



# Government Code Section 53759.1 (Assembly Bill 2257)

Board of Directors  
June 10, 2025

Phoebe Grow, Principal Management Analyst

# Agenda

- Government Code Section 53759.1
- District's Objection and Protest Procedures
- Staff Recommendations



# Government Code Section 53759.1

- In 2024, the California State Legislature passed Assembly Bill 2257, which is codified at Government Code section 53759.1 (effective January 1, 2025)
- Creates an “exhaustion of remedies requirement” that local agencies may implement:
  - (b) For purposes of any fee or assessment adopted by a local agency pursuant to Section 4 or 6 of Article XIII D of the California Constitution, if the local agency complies with the procedures described in subdivision (c), a person or entity shall be prohibited from bringing a judicial action or proceeding alleging noncompliance with Article XIII D of the California Constitution for any new, increased, or extended fee or assessment, unless that person or entity has timely submitted to the local agency a written objection to that fee or assessment that specifies the grounds for alleging noncompliance.*







# Staff Recommendations

- Adopt Resolution regarding Government Code Section 53759.1
- Proceed with Public Hearing on Proposed Rates and Charges Subject to Proposition 218 for Fiscal Years 2026 and 2027



# Public Hearing Proposed Rates and Charges Subject to Proposition 218 for Fiscal Years 2026 and 2027

Board of Directors

June 10, 2025

Phoebe Grow, Principal Management Analyst

# Agenda

- Budget and Rates calendar
- Budget and Rates public outreach
- Water and Wastewater customer bill comparisons
- Proposed Fiscal Years 2026 and 2027 rates and charges subject to Proposition 218
- Recommended actions and next steps

# Budget and Rates Calendar

## Budget Workshop #1

January 28, 2025

## Budget Workshop #2

- Presentation of Biennial Budget Fiscal Years 2026 & 2027
- Presentation of Proposed Rates and Charges Subject to Proposition 218 for Fiscal Years 2026 & 2027

March 25, 2025

## Proposition 218 Notice Mailing

April 2025

## Regular Board Meeting

- Filed the Report and Recommendation of the General Manager – Revisions to the Water and Wastewater Schedules of Rates and Charges Proposition 218 Fiscal Years 2026 and 2027
- Set a Public Hearing

May 13, 2025

## Water Wednesday Webinar: Tapping Into Tomorrow: Investing in the future with our proposed budget

May 21, 2025

## Close of Objections Period

June 2, 2025

## Regular Board Meeting

- Public Hearing
- Board Consideration of Rates & Charges and Budget

June 10, 2025

# Rates Fund Investments in Critical Services

|  | FY 2024 | FY 2025 | FY 2026         | FY 2027 | FY 2028  | FY 2029 | FY 2030 |
|--|---------|---------|-----------------|---------|----------|---------|---------|
|  | Actuals |         | Proposed Budget |         | Forecast |         |         |
| <b>Water System</b>  |         |         |                 |         |          |         |         |
| <b>Water Sales (MGD)</b>   | 136.4   | 143.2   | 143.9           | 144.6   | 145.3    | 146.1   | 146.8   |
| <b>Average Rate Increase*</b>  | 8.5%    | 8.5%    | 6.5%            | 6.5%    | 6.5%     | 6.5%    | 5.0%    |
| <b>Typical Monthly Single-Family Residential Bill** (based on 5 Units)</b> | \$57.65 | \$62.53 | \$66.30         | \$70.60 | \$75.19  | \$80.08 | \$84.08 |
| <b>Wastewater System</b>   |         |         |                 |         |          |         |         |
| <b>Average Rate Increase*</b>  | 8.5%    | 8.5%    | 8.5%            | 8.5%    | 8.0%     | 8.0%    | 7.0%    |
| <b>Typical Monthly Single-Family Residential Bill** (based on 4 Units)</b> | \$23.88 | \$25.88 | \$28.05         | \$30.40 | \$32.82  | \$35.43 | \$37.89 |

\*Based on the average increase for all customers.

\*\*Typical customer is the median: half of Single-Family Residential customers pay less, and half pay more.

MGD = Million Gallons per Day. 1 Unit = 1 centum cubic feet (CCF), or about 748 gallons.



# Cost of Service Based Rates – Water System



*Mokelumne Aqueducts*

**Base  
Supply,  
Treatment &  
Distribution  
Costs**



*Meter Maintenance*

**Service  
Laterals  
& Meters  
Costs**



*Public Hydrant*

**Public  
Fire  
Protection**



**Private  
Fire  
Protection**

*Private Fire Protection*



*Freeport Regional Water Facility*

**Supplemental  
Supply  
Costs**



*Board Meeting*

**General  
Administration  
Costs**



*Bayfair Pumping Plant*

**Elevation  
Costs**



*Upper San Leandro WTP*

**Treatment  
Peaking  
Costs**



*Meter Reading*

**Meter  
Reading &  
Account  
Billing  
Costs**



*East Bayshore*

**Recycled  
Water  
Costs**

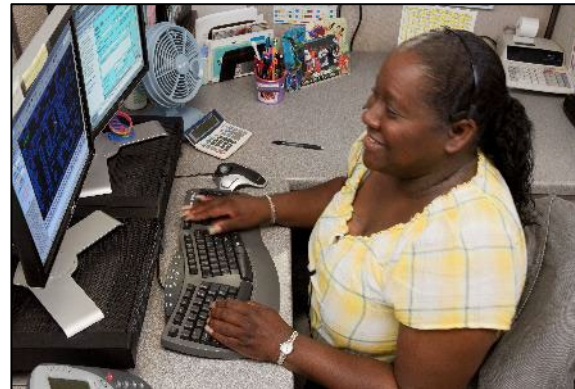


# Cost of Service Based Rates – Wastewater System



*Secondary Clarifiers*

**Treatment  
of  
Wastewater  
Strength  
Costs**



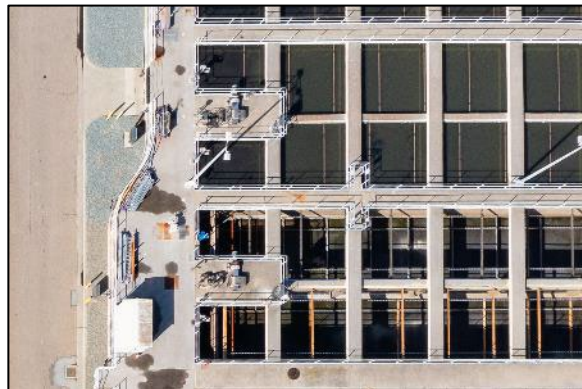
*District Staff*

**Account  
Billing  
Costs**



**Pollution Prevention  
Program Costs**

*Wipes Clog Pipes!*



*Primary Sedimentation Basins*

**Treatment  
of  
Wastewater  
Flow  
Costs**



*Wet Weather Basins*

**Inflow &  
Infiltration  
Costs**

# Budget and Rates Outreach

- April – June: Community meetings
  - Contra Cost County Mayor's Conference
  - Alameda County Mayor's Conference
  - West (Contra Costa) County Mayors' and Supervisors' Conference
  - Fairview Municipal Advisory Council (MAC)
  - Ward 4 Briefing[SF1]
  - North Richmond MAC
  - Orinda City Council
  - Oakland Ward 6 Virtual Briefing
  - Eden Area MAC
  - Walnut Creek Rotary
  - West Oakland Liaison Group
  - Alameda County Unincorporated Communities
  - El Cerrito Chamber of Commerce
  - Ward 2 Briefing
- May 21: "Water Wednesday" Webinar: Tapping into Tomorrow: Investing in the future with a proposed budget



## Cost of Service Study & Rates

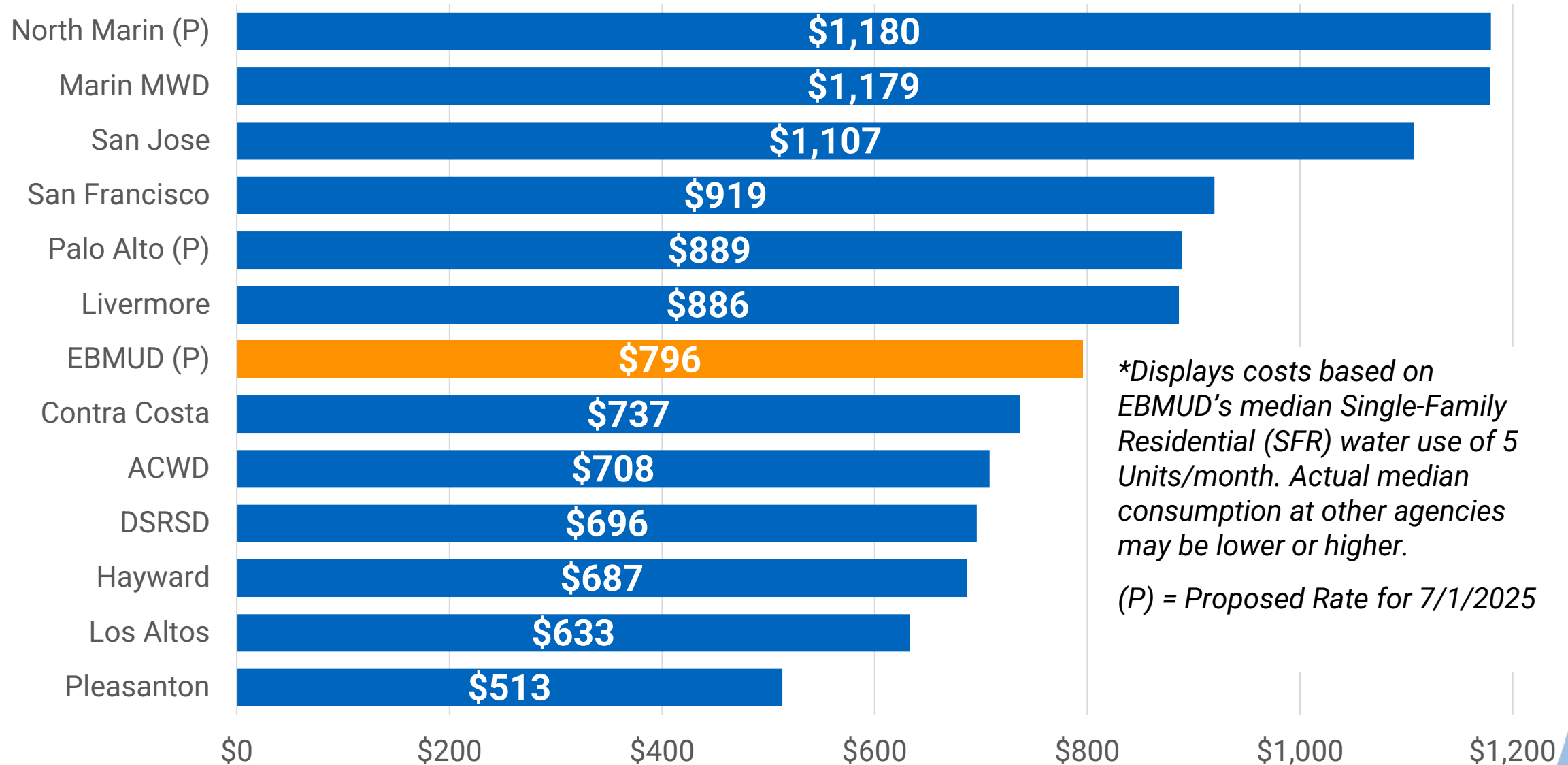
- Cost of Service (COS) studies required every 10 years and charges must reflect EBMUD's cost to provide service
- FY 2026 and 2027 proposed rates based on 2025 Water COS and 2019 Wastewater COS
- Learn more at [ebmud.com/rates](http://ebmud.com/rates)

## Proposed FY26 and FY27 Rates

- New rates effective July 1, 2025 (pending Board approval)
- Water is about 2 cents per gallon
- Typical SFR water bill (median use @ 5 units/month) will increase by about 12 cents per day in FY26 and another 14 cents per day in FY27
- Typical SFR wastewater treatment bill (median use @ 4 units/month) will increase by 8 cents per day in FY26 and another 8 cents per day in FY27\*
- Learn more at [ebmud.com/rates](http://ebmud.com/rates)

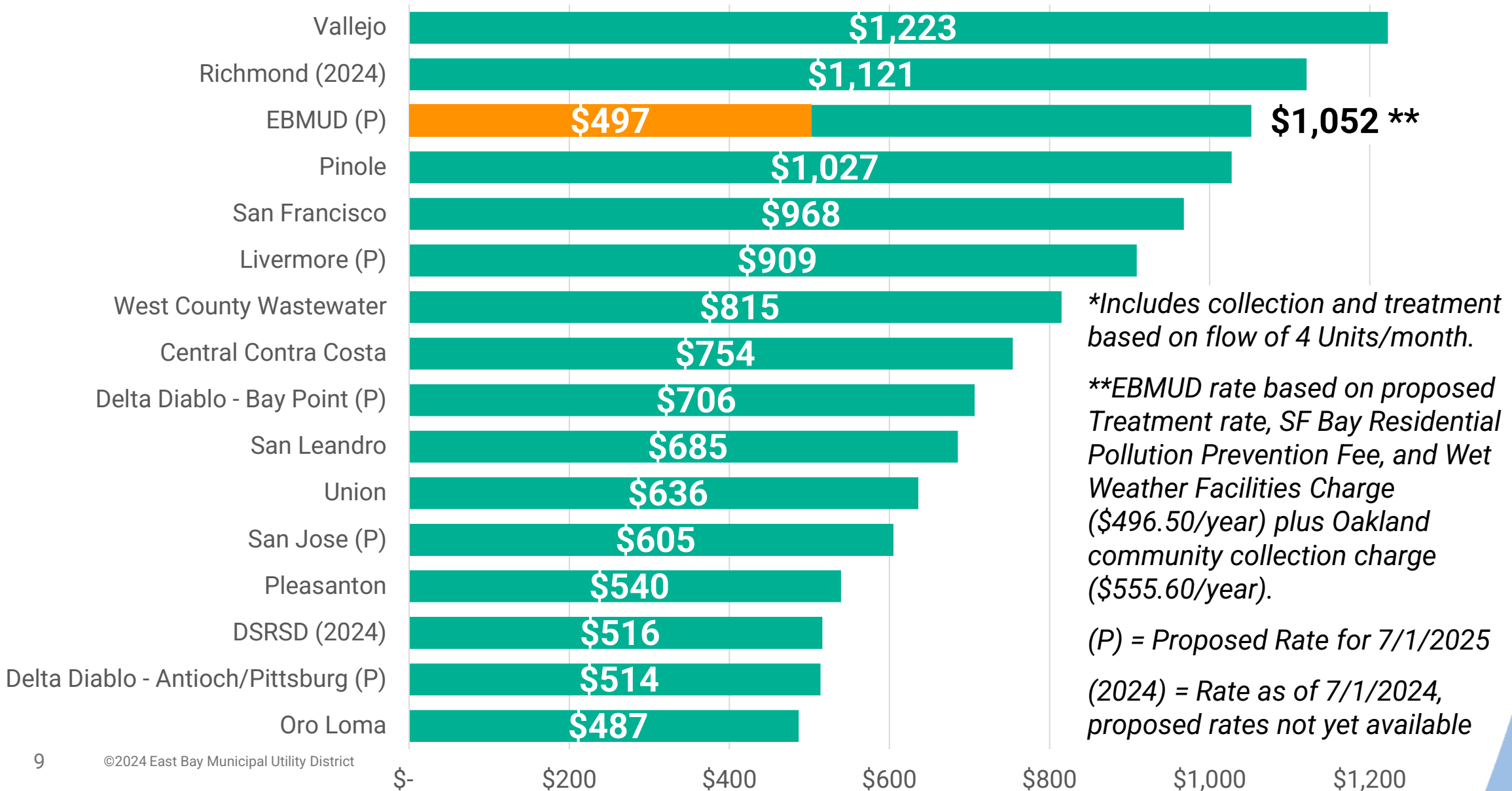
\*Including SFR Wet Weather charge for small lot property tax bill (6-10,000 square feet) will add 2 cents per day in FY26 and another 4 cents per day in FY27

# Annual Water Charges\* for Single-Family Residential





# Annual Wastewater Bill\* for Single-Family Residential



# Schedules of Rates and Charges Subject to Position 218

- Water System
  - Schedule A – Rate Schedule for Water Service
    - Service Charge (by meter size)
    - Volumetric Rates (\$/unit, 1 unit = 100 cubic feet = 748 gallons)
    - Elevation Surcharge
  - Schedule L – Drought Surcharge Rate Schedule for Water Service
    - Maximum Percent Surcharge on Volumetric Rate at different stages of drought
- Wastewater System
  - Schedule A – Wastewater Department Rates for Treatment Service
    - Service Charge
    - Strength and Flow Charges
  - Schedule B – Wastewater Department Wet Weather Facilities Charge
    - By lot size. Billed on property tax for most customers.

# Staff Recommendations

- Conduct Public Hearing
  - Staff will announce total number of validate protests received for water and wastewater system rates and charges before taking action on Agenda Item 17.
- Under Agenda Item #17 Adopt Resolution – Adopting Water System Schedule of Rates and Charges and Wastewater System Schedule of Rates and Charges Subject to Proposition 218 for Fiscal Year 2026 and Fiscal Year 2027



**Public Hearing  
Proposed Rates, Charges, &  
Fees Not Subject to Proposition  
218 for Fiscal Year 2026 &  
Revisions to Select Regulations**

Board of Directors

June 10, 2025

Phoebe Grow, Principal Management Analyst



# Proposed Rates and Charges Not Subject to Proposition 218 & Revisions to Regulations

## May 13, 2025

- Filed the Report and Recommendation of the General Manager – Revisions to the Water and Wastewater Schedules of Rates and Charges, Capacity Charges, and Other Fees Not Subject to Proposition 218 Fiscal Year 2026 and to Select Regulations
- Set a public hearing on Tuesday, June 10, 2025, during the Board's regular meeting to consider the Report and Recommendation

## June 10, 2025

- Public hearing
- Board consideration for adoption

# Water System Schedules with Proposed Fiscal Year 2026 Rates, Charges & Fees

- Account Establishment Charge (Schedule B)
- Charges for Special Services (Schedule C)
- Water Service Installation Charges (Schedule D)
- Private Fire Service Installation Charges (Schedule E)
- Public Fire Service Installation Charges (Schedule F)
- Water Main Extension Charges (Schedule G)
- Standard Participation Charge (SPC) (Schedule H)
- System Capacity Charges (SCC) (Schedule J)
- Water Demand Mitigation Fees (Schedule N)

# Wastewater System Schedules with Proposed Fiscal Year 2026 Rates, Charges & Fees

- Wastewater Department Industrial Permit Fees (Schedule C)
- Wastewater Department Other Fees (Schedule D)
- Wastewater Department Testing Fees (Schedule E)
- Wastewater Department Resource Recovery Fees and Prices (Schedule F)
- Wastewater Department Capacity Fees (Schedule G)
- Wastewater Department Wastewater Interceptor Connection Review, Coordination, and Inspection Fee (Schedule H)

# Other Schedules with Proposed Fiscal Year 2026 Rates, Charges & Fees

- Public Records Act Fee Schedule
- Real Property Use Application Fees
- Recreation Use Fees for Calendar Year 2026

# Regulations with Proposed Revisions

- Section 1 – Explanation of Terms Used in these Regulations
- Section 4 – Main Extensions
- Section 17 – Change in Use and/or Size of Service
- Section 26 – Protection of Public Water Supply
- Section 30 – Nonpotable Water Service
- Section 31 – Water Efficiency Requirements

# Recommended Action & Next Steps

- Recommended action
  - Adopt Resolution for adopting rates, charges, fees, and regulations not subject to Proposition 218 as recommended in the Report and Recommendation of the General Manager – Revisions to the Water and Wastewater Schedules of Rates and Charges Not Subject to Proposition 218 for Fiscal Year 2026 and to Select Regulations
- Next Steps
  - If adopted, the rates, charges, fees, and regulations not subject to Proposition 218 will become effective July 1, 2025 unless otherwise indicated



# Proposed Biennial Budget for Fiscal Years 2026 & 2027

Board of Directors

June 10, 2025

Sophia Skoda, Director of Finance










# What are EBMUD's Challenges?

- **Aging Infrastructure:** Invest in and renew infrastructure for reliability and resiliency
- **Water Quality:** Preserve high water quality and meet or surpass regulations
- **Environment:** Ensure environmental stewardship for the watershed and the San Francisco Bay
- **Climate Change:** Adapt through infrastructure investments
- **Fiscal Responsibility:** Maintain strong financial position and sustainable finances





# Budget Development Timeline

|   | Milestone  | Date(s)                  |
|---|--|--------------------------|
|    | Board Workshops on Climate Action Plan, Recycled Water, Cost Of Service, Strategic Plan & Key Performance Indicators | January – September 2024 |
|    | Infrastructure Workshop  | November 26, 2024        |
|    | Board Workshop #1  | January 28, 2025         |
|    | Board Workshop #2 & Proposed Budget  | March 25, 2025           |
|    | Public Outreach  | March – June 2025        |
|  | Follow-Up Memo to Board Workshop #2  | May 8, 2025              |
|  | Board Considers Adopting Budget  | June 10, 2025            |

# Community Engagement

## Budget and Rates Roadshow (March – June 2025)

- Alameda and Contra Costa Mayors Conferences
- Community and Civic Group presentations
- Internal: Unions and staff communications

## Community & City Newsletters (March – June 2025)



## Proposition 218 Notice Mailing (March – April 2025)

## Media Engagement (May – June 2025)

- Press releases & interviews

## Additional Outreach

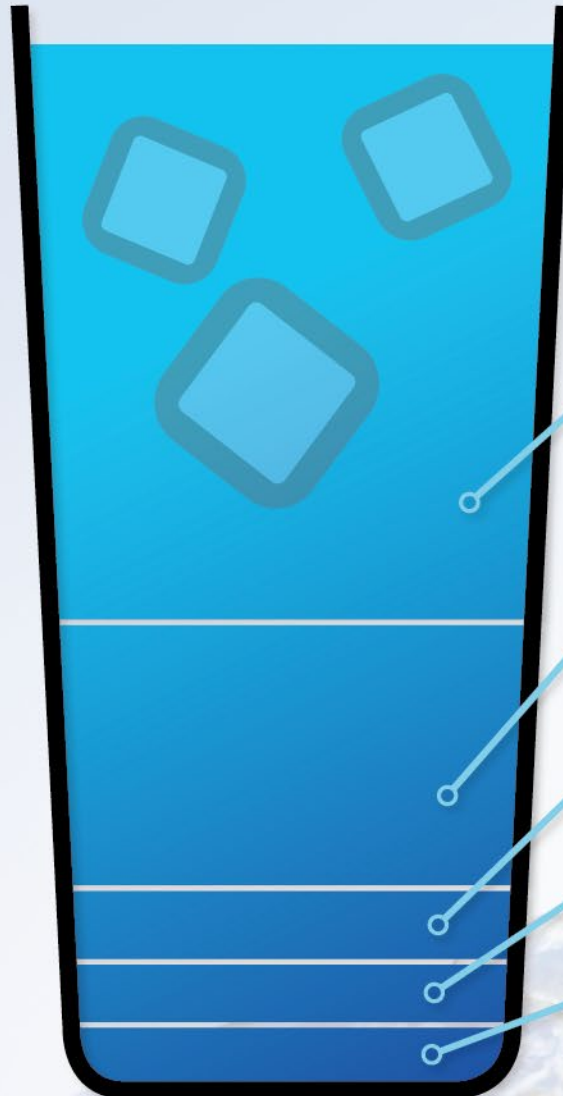
- Update [ebmud.com/rates](https://ebmud.com/rates)
- Water Wednesday Webinar
- Videos and social media

# Water System – Biennial Budget Fiscal Year (FY) 2026 & FY 2027

- Total Sources of Funds: \$2.7 billion over two years
- Total Operating Costs: \$934.9 million over two years
- Debt Service: \$537.6 million over two years
- Staffing: +10.50 Full-Time Equivalent (FTE)
- Capital: \$1.2 billion over the next 2 years; 10-Year Capital Improvement Program (CIP) of \$5.6 billion
- Debt: \$650 million in new bonds over the next 2 years
- Proposing average rate increases:
  - FY 2026: 6.5%
  - FY 2027: 6.5%
- Customer bills will additionally reflect new Cost of Service Study results

# Water: How We Invest in Your Service

EBMUD carefully manages funds to deliver high-quality drinking water to 1.4 million customers in Alameda and Contra Costa counties.



56¢

## Infrastructure Improvements

Pipelines, reservoirs, treatment plants, pumping plants

26¢

## Water Service

Storage, treatment, delivery, system maintenance

7¢

## Administration & Customer Service

Call center, education, billing, support services

6¢

## Natural Resource Management & Regulatory Compliance

Public recreation, watershed management, water quality

5¢

## Water Supply

Supply planning, conservation, alternative water supplies

**\$1 total**



# Investing in Reliability: Water System

- Aging Infrastructure

- Pipeline Rebuild & Large Diameter Pipelines
- Orinda and Upper San Leandro Water Treatment Plants (WTP)
- Central Reservoir Replacement
- Mokelumne Aqueduct No. 2 Relining
- Lafayette Aqueduct No. 1 Relining

- Water Quality

- Pardee Chemical Plant Improvements
- Lafayette WTP Disinfection & Residual Improvements

- Climate Change & Resiliency

- Walnut Creek WTP Pretreatment Improvements
- Recycled Water Improvements

- Fiscal Responsibility

- Maintain strong financial position and sustainable finances



# Wastewater System – Biennial Budget FY 2026 & FY 2027

- Total Sources of Funds: \$483.7 million over two years
- Total Operating Costs: \$242.6 million over two years
- Debt Service: \$73.4 million over two years
- Staffing: +2.00 FTE
- Capital: \$170.8 million over the next 2 years; 10-Year CIP of \$1.2 billion
- Debt: \$75 million in new bonds over the next 2 years
- Proposing average rate increases:
  - FY 2026: 8.5%
  - FY 2027: 8.5%



# Wastewater: How We Invest in Your Service

EBMUD treats approximately 56 million gallons of wastewater daily for 740,000 customers along San Francisco Bay, protecting public health and the environment.



# Investing in Reliability: Wastewater

- Aging Infrastructure
  - New Dewatering Building
  - Secondary Reactors & Clarifiers Rehabs
  - Major Interceptor Rehabilitation
  - Major Seismic Retrofit Projects
- Water Quality
  - Addressing Nutrients via Side Stream Treatment and Secondary Reactor Deck Expansion
- Climate Change & Resiliency
  - IPS Resiliency Project
- Fiscal Responsibility
  - Maintain strong financial position and sustainable finances





# Recommendation: Adopt Budget

| WATER SYSTEM                   | <u>FY 2026</u>         | <u>FY 2027</u>         |
|--------------------------------|------------------------|------------------------|
| Operating                      | \$456,433,205          | \$478,498,390          |
| Debt Service                   | 269,710,000            | 289,380,000            |
| Capital                        | 729,154,266            | 394,444,383            |
| <b>Total Water System</b>      | <b>\$1,455,297,471</b> | <b>\$1,162,322,773</b> |
| WASTEWATER SYSTEM              | <u>FY 2026</u>         | <u>FY 2027</u>         |
| Operating                      | \$118,937,574          | \$123,682,296          |
| Debt Service                   | 36,925,000             | 36,790,000             |
| Capital                        | 90,315,931             | 120,779,370            |
| <b>Total Wastewater System</b> | <b>\$246,178,505</b>   | <b>\$281,251,666</b>   |



# Proposed Position Resolution for Fiscal Years 2026 & 2027

Board of Directors

June 10, 2025

Sophia Skoda, Director of Finance

# Positions for Fiscal Year (FY) 2026 & FY 2027

## Staffing Summary and Comparison (Full-Time Equivalent (FTE))

| Position Type                                      | FY 2023         | FY 2024         | FY 2025         | FY 2026         | FY 2027         |
|--|-----------------|-----------------|-----------------|-----------------|-----------------|
| Full-Time (Civil Service and Civil Service Exempt) | 1,783.00        | 1,830.00        | 1,831.00        | <b>1,839.00</b> | <b>1,839.00</b> |
| Limited-Term (L/T) / Temporary Construction (TC)   | 53.00           | 59.00           | 60.00           | <b>66.00</b>    | <b>68.00</b>    |
| Intermittent                                       | 3.75            | 3.75            | 3.75            | <b>3.75</b>     | <b>3.75</b>     |
| Temporary / Part-Time (P/T)                        | 30.00           | 33.00           | 33.00           | <b>27.50</b>    | <b>27.50</b>    |
| <b>Total FTE</b>                                   | <b>1,869.75</b> | <b>1,925.75</b> | <b>1,927.75</b> | <b>1,936.25</b> | <b>1,938.25</b> |
| <b>FTE Change from Previous Fiscal Year</b>        |                 | <b>56.00</b>    | <b>2.00</b>     | <b>8.50</b>     | <b>2.00</b>     |

# Position Changes for FY 2026 & FY 2027

| Type                   | FTE Change    | Summary   |
|------------------------|---------------|---|
| Add                    | +13.00        | +2 L/T for Concrete Paving (Paving Crew Foreman, Concrete Finisher I/II)<br>+2 L/T Utility Laborers (in FY 2027)<br>+2 Data Scientists<br>+2 Senior Human Resources Analysts<br>+2 L/T Ranger/Naturalist I/II<br>+2 TC Information Systems Support Analyst II<br>+2 P/T Education and Outreach Specialists (1.00 FTE) |
| Delete                 | -5.00         | Positions no longer needed  |
| Convert Status         | +3.5          | Converting several P/T and L/T Customer Service roles to REG<br>Converting TEMP Storekeeper to REG<br>Converting P/T Ranger/Naturalist I/II to L/T  |
| Extend L/T             | --            | Extending 12 positions for an additional 2 years  |
| Transfer to Wastewater | -1.00         | Transferring a position for Environmental Health and Safety   |
| <b>Total</b>           | <b>+10.50</b> |   |

# Positions for FY 2026 & FY 2027

| Staffing Summary and Comparison (FTE)              |               |               |               |               |               |
|--|---------------|---------------|---------------|---------------|---------------|
| Position Type                                      | FY 2023       | FY 2024       | FY 2025       | FY 2026       | FY 2027       |
| Full-Time (Civil Service and Civil Service Exempt) | 286.00        | 295.00        | 295.00        | 300.00        | 300.00        |
| Limited-Term / Temporary Construction              | 3.00          | 8.00          | 8.00          | 5.00          | 5.00          |
| Intermittent                                       | -             | -             | -             | -             | -             |
| Temporary / Part-Time                              | 0.50          | 1.00          | 1.00          | 1.00          | 1.00          |
| <b>Total FTE</b>                                   | <b>289.50</b> | <b>304.00</b> | <b>304.00</b> | <b>306.00</b> | <b>306.00</b> |
| <b>FTE Change from Previous Fiscal Year</b>        |               | <b>14.50</b>  | <b>-</b>      | <b>2.00</b>   | <b>-</b>      |



# Position Changes for FY 2026 & FY 2027

| Type                | FTE Change   | Summary  |
|---------------------|--------------|--|
| Add                 | +2.00        | +1 REG Electrical Technician<br>+1 L/T Technical Trades Apprentice |
| Delete              | -1.00        | Position no longer needed  |
| Convert Status      | --           | Converting 3 T/C Associate Civil Engineers to REG                  |
| Transfer from Water | +1.00        | Transferring a position for Environmental Health and Safety        |
| <b>Total</b>        | <b>+2.00</b> |  |

# Changes to Classifications

- Three new classifications:
  - Data Scientist I and Data Scientist II
  - Outreach and Education Specialists
- Deleted:
  - Equipment Superintendent
  - Senior Legal Secretary

# Recommendation: Adopt Position Resolution

- Adopt Position Resolution to put into effect the changes included in the Biennial Budget for FY 2026 & FY 2027

# Discussion



Flowing  
into the  
Future



## BOARD ACTION


|                |     |               |               |
|----------------|-----|---------------|---------------|
| Agenda Number: | 14. | Meeting Date: | June 10, 2025 |
|----------------|-----|---------------|---------------|

|       |  |
|-------|--|
| TITLE | <b>CONSIDER ALL OBJECTIONS AND OTHER CORRESPONDENCE RELATED TO PROPOSED FISCAL YEARS 2026 AND 2027 RATES AND CHARGES SUBJECT TO PROPOSITION 218 AND DISTRICT RESPONSES THERETO; MAKE RELATED DETERMINATIONS IN ACCORDANCE WITH GOVERNMENT CODE SECTION 53759.1</b> |
|-------|--|

|        |                                  |   |                                     |
|--------|----------------------------------|---|-------------------------------------|
| ACTION | <input type="checkbox"/> Motion: | <input checked="" type="checkbox"/> Resolution: | <input type="checkbox"/> Ordinance: |
|--------|----------------------------------|---|-------------------------------------|

|                    |  |
|--------------------|--|
| RECOMMENDED ACTION | Consider all objections and other mailed or personally delivered correspondence (Submissions) regarding the proposed Fiscal Years 2026 and 2027 rates and charges subject to Proposition 218 and the District's responses thereto, and make related findings and determinations in accordance with Government Code section 53759.1 (Assembly Bill 2257). |
|--------------------|--|

|         |   |
|---------|---|
| SUMMARY | <p>In 2024, the California State Legislature passed Assembly Bill 2257, which is codified under Government Code section 53759.1. The statute creates an exhaustion of administrative remedies procedure that requires ratepayers to bring an objection regarding proposed rates or charges subject to Proposition 218 to the attention of the District prior to the deadline established by the District. The District has followed the procedure provided in the statute, including with respect to the items noted below.</p> <p>In April 2025, the District mailed Proposition 218 notices (Notices) to owners of record and customers of record on the proposed changes to the water and wastewater rates and charges subject to Proposition 218. Consistent with Government Code section 53759.1, the Notice included the proposed changes to the water and wastewater rates and charges, a link to the documents that constitute the written basis for the rates located at <a href="http://ebmud.com/rates">ebmud.com/rates</a>, and the substantive and procedural requirements for submitting objections (Objections) under Government Code section 53759.1. The Notice provided a deadline of Monday, June 2, 2025 at 11:59 P.M. (Deadline) for the submission of Objections. The Notice also contained information on how to submit a written protest (Protest) under the California Constitution, Article XIII, § 6(a) (Proposition 218).</p> <p>Copies of all Submissions received by the Deadline by mail or by hand-delivery are attached as Exhibit B and Exhibit C to the Resolution. Staff reviewed the Submissions, none of which met all the substantive and procedural requirements of an Objection. Staff further recommends that the Submissions do not warrant clarification or changes to any of the proposed rates and charges or any other action. District responses to the Submissions are included in Exhibit B and Exhibit C to the Resolution. Staff recommends adopting the attached Resolution and proceeding with the public hearing for the proposed rates and charges subject to Proposition 218 for Fiscal Years 2026 and 2027.</p> |
|---------|---|

|                                    |  |  |                                 |
|------------------------------------|--|--|---------------------------------|
| Originating Department:<br>Finance | Department Director or Manager:<br>Sophia D. Skoda | CEP Forms?<br>N/A  | Board Action Type:<br>Financial |
| Funds Available:<br>N/A            | Budget Coding:<br>N/A                              | Approved:<br> |                                 |
| Attachment(s):<br>Resolution       |  |  |                                 |



|        |   |               |               |
|--------|---|---------------|---------------|
| Title: | Consideration of Objections and Other Correspondence to Proposed Fiscal Years 2026 and 2027 Rates and Charges Subject to Proposition 218 and District Responses Thereto; Make Related Determinations in Accordance with Government Code Section 53759.1 | Meeting Date: | June 10, 2025 |
|--------|---|---------------|---------------|

Separately, Protests will be accepted until the conclusion of the public hearing on the proposed changes to water and wastewater rates on June 10, 2025. A tabulation of Protests will be presented during the Board meeting on June 10, 2025.

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**ALTERNATIVE**

**Do not consider or make determinations related to all Objections, Submissions and Responses Related to the Proposed Water and Wastewater Schedules of Rates and Charges Subject to Proposition 218 for Fiscal Years 2026 and 2027.** This alternative is not recommended because Government Code section 53759.1 specifies certain requirements.

I:\Sec\2025 Board Related Items\061025 Board Agenda Items\FIN - File Response to Objections to FY 2026 and 2027 Rates and Charges Subject to Prop 218.docx

RESOLUTION NO. \_\_\_\_\_

CONSIDERATION OF ALL OBJECTIONS TO THE WATER SYSTEM SCHEDULE OF RATES AND CHARGES AND WASTEWATER SYSTEM SCHEDULE OF RATES AND CHARGES SUBJECT TO PROPOSITION 218 FOR FISCAL YEAR 2026 AND FISCAL YEAR 2027 AND OTHER CORRESPONDENCE AND OF THE DISTRICT'S RESPONSES THERETO; ADOPTING RELATING FINDINGS AND DETERMINATIONS

Introduced by Director

; Seconded by Director

WHEREAS, in compliance and consistent with section 6 of article XIII D of the California Constitution (Proposition 218) and the Proposition 218 Omnibus Implementation Act (Government Code § 53750, et seq.), the East Bay Municipal Utility District (District) provided written notice (Notice) of: (1) the proposed rates and charges to the record owner of each parcel upon which the rates and charges are proposed for imposition (record owners) and to customers of record (e.g., tenant) (customers of record); (2) the amount of the rates and charges proposed to be imposed on each parcel; (3) the basis upon which the amount of the rates and charges was calculated; (4) the reason for the rates and charges; and (5) the date, time, and location of a public hearing (Hearing) on the proposed rates and charges; and

WHEREAS, a copy of the Notice, which includes the verbatim language provided to record owners and customers of record, is attached as Exhibit A and incorporated by reference herein; and

WHEREAS, in compliance and consistent with Government Code section 53759.1, the Notice included a prominently displayed statement that contained the information that all written objections must be submitted within the written objection period and that a failure to timely object in writing bars any right to challenge the proposed rates or charges through a legal proceeding and that contained all substantive and procedural requirements for submitting an objection to the proposed rates or charges; and

WHEREAS, pursuant to Government Code section 53759.1, the District made available to the public the proposed rates and charges no less than 45 days prior to the deadline to submit an objection; and

WHEREAS, pursuant to Government Code section 53759.1, the District posted on its internet website a written basis for the proposed rates and charges and included a link to the internet website in the Notice; and

WHEREAS, pursuant to Government Code section 53759.1, the District mailed the written basis to a property owner or customer of record upon request or, if no such request were made, would have mailed the written basis to a property owner or customer of record upon request; and

WHEREAS, pursuant to Government Code section 53759.1, the District provided at least 45 days for a property owner or customer of record to review the proposed rates and charges and to timely submit to the District a written objection to the proposed rates or charges that specifies the grounds for alleging noncompliance (Objection); and

WHEREAS, pursuant to Government Code section 53759.1, the District established a written objection period with a deadline of 11:59 P.M. on Monday, June 2, 2025 (Deadline), which is no less than 45 days after Notice was provided, to submit an Objection; and

WHEREAS, pursuant to Government Code section 53759.1, the District considered and responded to each Objection prior to the close of the Hearing in writing, which included the grounds for which a challenge is not resulting in amendments to the proposed rates or charges and which included an explanation of the substantive basis for retaining and for not altering the proposed rates or charges in response to each Objection, or the District would have considered and would have responded to each Objection prior to the close of the Hearing in writing, which would have included the grounds for which a challenge is not resulting in amendments to the proposed rates or charges and which would have included an explanation of the substantive basis for retaining and for not altering the proposed rates or charges in response to each Objection; and

WHEREAS, the District received no Objections; and

WHEREAS, the District received other mailed or personally delivered correspondence that both relates to the proposed rates and charges and that does not constitute an Objection (Submission); and

WHEREAS, the District considered and responded to all Submissions prior to the close of the Hearing in writing (Response), which included the grounds for which a challenge is not resulting in amendments to the proposed rates or charges and which included an explanation of the substantive basis for retaining and for not altering the proposed rates or charges in response to all Submissions; and

WHEREAS, in compliance and consistent with Government Code section 53759.1, all Objections, Submissions, and Responses were presented to the District's Board of Directors for consideration prior to or during the Hearing, or if no Objection were received, would have been presented to the District's Board of Directors for consideration prior to or during the Hearing; and

WHEREAS, pursuant to Government Code section 53759.1, the District completed the procedures described in Government Code section 53759.1(c)(1)-(6) prior to the Hearing; and

WHEREAS, the Submissions received by the Deadline and Responses are attached as Exhibits B and C and incorporated by reference herein; and

WHEREAS, in accordance with section 14401 of the California Public Utilities Code, on May 13, 2025, the General Manager filed with the Board of Directors the Report and Recommendation of the General Manager for Revisions to the Water and Wastewater Schedules of Rates and Charges Subject to Proposition 218 for Fiscal Years 2026 and 2027, which recommend the District's Board of Directors adopt proposed water and wastewater rates and charges; and

WHEREAS, the Board of Directors now desires to make findings and determinations consistent with Government Code section 53759.1 related to the proposed water and wastewater rates and charges;

NOW, THEREFORE, BE IT RESOLVED that the Board of Directors of the East Bay Municipal Utility District hereby finds and determines the following:

1. The foregoing Recitals are true and correct, and by this reference are incorporated herein and made a part hereof.
2. The Board of Directors has found and has determined that that the Objections, Submissions, and Responses do not warrant clarification to any proposed rate or charge; no reduction in any proposed rate or charge is warranted; no further review is warranted before making a determination on whether clarification or reduction of the proposed rates and charges is needed; and to proceed with the Hearing.

ADOPTED this 10th day of June, 2025 by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

ATTEST:

\_\_\_\_\_  
President

\_\_\_\_\_  
Secretary

APPROVED AS TO FORM AND PROCEDURE:

\_\_\_\_\_  
General Counsel

{00106725}



# **EXHIBIT A**



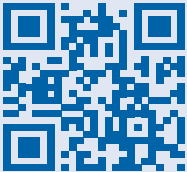
# Notice of Public Hearing

## PROPOSED CHANGES TO WATER AND WASTEWATER RATES

**Regular Board meeting begins at 1:15 p.m. Tuesday, June 10, 2025**  
**EBMUD Board Room, 375 11th Street, Oakland, CA**  
**SEE INSIDE FOR DETAILS**

On Tuesday, June 10, 2025, the East Bay Municipal Utility District (EBMUD) Board of Directors will consider proposed changes to EBMUD water and wastewater rates at a public hearing scheduled for 1:15 p.m. If approved by the Board, the Fiscal Year 2026 (FY2026) rates would take effect July 1, 2025; Fiscal Year 2027 (FY2027) rates would take effect July 1, 2026.

**Depending on where your property is located, your EBMUD bill may include charges imposed by other local agencies, such as sewer charges. This notice pertains only to water and wastewater rates imposed by EBMUD. EBMUD is a not-for-profit utility. EBMUD's rates directly finance the East Bay's water and wastewater systems. Rate revenue is supplemented by bond funds, hydropower sales, grants, new connections fees, and other revenue sources.**



Want to learn more about EBMUD's rates? Attend our **Water Wednesday Webinar: Investing in the Future, the Proposed Budget, Rates, and Charges** on Wednesday, May 21, 2025 at 6:00 p.m.

See [ebmud.com/rates](https://ebmud.com/rates) for web access details.

# Proposed Water & Wastewater Rates

EBMUD is proposing to change the rates for its water and wastewater charges based on its most recent cost-of-service (COS) rate studies. The proposed changes to the current rates are listed in this notice. **Impacts to a customer's bill depends on water use and other factors. For example, a single-family household using 125 gallons of water per day would see an increase of \$3.77 per month in water charges (about 12¢ a day). The same customer, if receiving wastewater service, would see an increase of \$2.31 per month (or 8¢ a day) in wastewater charges.**

The table below shows example impacts of the proposed rates on the monthly charges for single-family customers over a range of water and wastewater use. Most customers are billed on a *bimonthly* basis so charges on the bill will be approximately double those shown below.

For FY2026–FY2027, EBMUD proposes rates to:

1. Operate and maintain the water and wastewater systems and address increased costs for energy, chemicals, and labor.
2. Accelerate investment in the critical water and wastewater systems for our next century of service. New investments in our system make up almost half of EBMUD's expenditures. Infrastructure investments enable us to adapt to climate change, preserve water quality, and renew infrastructure.
3. Meet increasingly more stringent water and wastewater environmental regulations that seek to address emerging contaminants.
4. Maintain financial stability through the strategic use of debt.

# Example Impacts on Single-Family Residential Monthly Charges\*

| Residential Service                                | Current Rates | Proposed Rates<br>As of July 1, 2025 | Change  | Proposed Rates<br>As of July 1, 2026 | Change  |
|--|---------------|--------------------------------------|---------|--------------------------------------|---------|
| <b>Water†</b>                                      |               |                                      |         |                                      |         |
| 25th Percentile – 3 units (~ 75 gallons per day)   | \$51.71       | \$50.52                              | -\$1.19 | \$53.80                              | \$3.28  |
| 50th Percentile – 5 units (~ 125 gallons per day)  | \$62.53       | \$66.30                              | \$3.77  | \$70.60                              | \$4.30  |
| 75th Percentile – 9 units (~ 225 gallons per day)  | \$88.23       | \$100.38                             | \$12.15 | \$106.88                             | \$6.50  |
| 95th Percentile – 19 units (~ 475 gallons per day) | \$169.80      | \$196.80                             | \$27.00 | \$209.53                             | \$12.73 |
| Mean – 7 units (~ 175 gallons per day)             | \$73.35       | \$82.08                              | \$8.73  | \$87.40                              | \$5.32  |
| <b>Wastewater Treatment‡</b>                       |               |                                      |         |                                      |         |
| Typical (median) – 4 units (~ 100 gallons per day) | \$25.88       | \$28.05                              | \$2.17  | \$30.40                              | \$2.35  |
| Maximum – 9 units (~ 225 gallons per day)          | \$34.28       | \$37.15                              | \$2.87  | \$40.25                              | \$3.10  |

\* EBMUD bills most of its customers bimonthly (once every two months) for water use and wastewater discharge in units of centum cubic feet (CCF). 1 CCF = 748 gallons = 1 unit.

† Using 5/8" or 3/4" water meter, which is typical for single-family residential homes.

‡ EBMUD provides wastewater treatment service for customers in Alameda, Albany, Berkeley, Emeryville, Oakland, Piedmont, and the Stege Sanitary District (El Cerrito, Kensington, and part of Richmond).

# Basis for Calculating the Proposed Rates and Charges

The proposed rates and charges are consistent with EBMUD’s cost of service (COS) rate studies for the water and wastewater systems. For further details about how the rates and charges are developed, visit [ebmud.com/rates](http://ebmud.com/rates). Documents comprising the District’s written basis for the proposed changes to the water and wastewater service charges are available at [ebmud.com/rates](http://ebmud.com/rates). A printed copy of the written basis will be mailed to a party upon request and will be available at the District’s Office of the Secretary for review.

The map on the reverse page depicts both the water and wastewater service areas. EBMUD provides wastewater treatment service for customers in Alameda, Albany, Berkeley, Emeryville, Oakland, Piedmont, and the Stege Sanitary District (El Cerrito, Kensington, and part of Richmond).

## EBMUD’s Water Charges have four components:

- 1. Water Service Charge:** The Water Service Charge is based on the meter size of the property receiving water service and is calculated to recover a portion of EBMUD’s costs, including meter reading, billing, repairs, maintenance of meters and water laterals, customer service, and other administrative costs.
- 2. Water Flow Charge:** The Water Flow Charge is calculated per unit of water delivered to a property. It recovers a portion of EBMUD’s costs, including water supply, treatment and distribution costs. For single-family residential customers, the charge consists of three tiers with increasingly higher rates per unit of water to reflect a higher cost of service.
- 3. Elevation Surcharge:** The Elevation Surcharge is calculated to recover the cost of power and facility costs required to pump water to higher elevations.
- 4. Private Fire Service Charge:** A Private Fire Service Charge is applicable to properties that have private fire service connections. It recovers EBMUD’s costs for providing service to private fire service meters.

Together the components of the water charges are structured to proportionately recover the costs of providing water service.

If the EBMUD Board of Directors declares a drought, EBMUD may assess a temporary Drought Surcharge that is applicable to all potable water customer accounts. The Drought Surcharge corresponds to increasingly severe stages of drought from Stage 1 to 4 and is charged on each unit of water used during the billing period. The surcharge is calculated to recover costs of providing supplemental water, losses of revenue, and other drought-related costs. The Drought Surcharge applies to the potable Water Volumetric Rate as follows: Stage 1-up to 5%, Stage 2-up to 10%, Stage 3-up to 20%, and Stage 4-up to 30%. Prior to assessing a Drought Surcharge, EBMUD will adopt a drought budget that reflects the most current and updated drought-related costs.

The surcharge will be developed to be consistent with EBMUD’s updated drought budget and COS rate study and will not exceed the Drought Surcharge percentages. The maximum Drought Surcharge in terms of dollars per unit of water used that could be added to the Water Volumetric Rate during a Stage 4 drought and would be: Single-Family Residential Tier 1: \$2.37 (FY2026), \$2.52 (FY2027); Tier 2: \$2.75 (FY2026), \$2.92 (FY2027); Tier 3: \$3.24 (FY2026), \$3.45 (FY2027); Multi-Family Residential \$2.49 (FY2026), \$2.66 (FY2027); All Other \$2.56 (FY2026), \$2.72 (FY2027). Under a Stage 4 drought in Fiscal Year 2027, the typical single-family residential customer using 5 units of water per month would pay a Drought Surcharge of no more than \$12.60 per month (about 41¢ a day). The actual surcharge in any drought stage may be less than the maximum rates indicated above, depending on the costs of the drought.

## Monthly Service Charge

\$ per meter size\*

FY2026-Proposed Effective July 1, 2025 • FY2027-Proposed Effective July 1, 2026

| Meter Size<br>(in inches) | Current       |                      | FY2026        |                      | FY2027        |                      |
|---------------------------|---------------|----------------------|---------------|----------------------|---------------|----------------------|
|                           | Water Service | Private Fire Service | Water Service | Private Fire Service | Water Service | Private Fire Service |
| 5/8 or 3/4                | \$35.48       | \$18.88              | \$26.85       | \$8.52               | \$28.60       | \$9.07               |
| 1                         | \$53.60       | \$25.95              | \$40.94       | \$14.20              | \$43.60       | \$15.12              |
| 1-1/2                     | \$98.91       | \$43.51              | \$76.14       | \$28.40              | \$81.09       | \$30.25              |
| 2                         | \$153.23      | \$64.59              | \$118.37      | \$45.44              | \$126.06      | \$48.39              |
| 3                         | \$298.19      | \$120.91             | \$252.14      | \$99.41              | \$268.53      | \$105.87             |
| 4                         | \$461.24      | \$184.21             | \$428.13      | \$170.42             | \$455.96      | \$181.50             |
| 6                         | \$914.09      | \$360.08             | \$956.12      | \$383.43             | \$1,018.27    | \$408.35             |
| 8                         | \$1,457.58    | \$571.13             | \$1,132.11    | \$454.44             | \$1,205.70    | \$483.98             |
| 10                        | \$2,091.61    | \$817.32             | \$1,624.90    | \$653.26             | \$1,730.52    | \$695.72             |
| 12                        | \$2,906.86    | \$1,133.86           | \$2,258.49    | \$908.88             | \$2,405.29    | \$967.96             |
| 14                        | \$3,722.02    | \$1,450.45           | \$2,892.07    | \$1,164.50           | \$3,080.05    | \$1,240.19           |
| 16                        | \$4,718.40    | \$1,837.38           | \$3,666.46    | \$1,476.93           | \$3,904.78    | \$1,572.93           |
| 18                        | \$5,714.75    | \$2,224.29           | \$4,440.84    | \$1,789.36           | \$4,729.49    | \$1,905.67           |

\* Most single-family residential customers are served by a 5/8" or 3/4" meter. To check your meter size, see your EBMUD bill.

## Water Flow Charge

\$ per unit per month (1 unit = 748 gallons)

FY2026-Proposed Effective July 1, 2025 • FY2027-Proposed Effective July 1, 2026

| Category and Tiers               | Current Water Volumetric Rate | FY2026 Water Volumetric Rate | FY2027 Water Volumetric Rate |
|----------------------------------|-------------------------------|------------------------------|------------------------------|
| <b>Single-Family Residential</b> |                               |                              |                              |
| TIER 1: up to 7 units†           | \$5.41                        | \$7.89                       | \$8.40                       |
| TIER 2: over 7, up to 16 units†  | \$7.44                        | \$9.15                       | \$9.74                       |
| TIER 3: over 16 units†           | \$9.83                        | \$10.79                      | \$11.49                      |
| <b>Multi-Family Residential</b>  | \$7.65                        | \$8.31                       | \$8.85                       |
| <b>All Other Accounts</b>        | \$7.62                        | \$8.52                       | \$9.07                       |
| <b>Nonpotable/Recycled Water</b> | \$5.93                        | \$6.37                       | \$6.78                       |

† 7 units = 172 gallons per day, 16 units = 393 gallons per day.

## Elevation Surcharge

\$ per unit per month (1 unit = 748 gallons)\*

FY2026-Proposed Effective July 1, 2025 • FY2027-Proposed Effective July 1, 2026

| ELEVATION BAND 1 |        |        | ELEVATION BAND 2 |        |        | ELEVATION BAND 3 |        |        |
|------------------|--------|--------|------------------|--------|--------|------------------|--------|--------|
| Current          | FY2026 | FY2027 | Current          | FY2026 | FY2027 | Current          | FY2026 | FY2027 |
| \$0.00           | \$0.00 | \$0.00 | \$1.10           | \$1.25 | \$1.33 | \$2.27           | \$2.67 | \$2.84 |

\* To check your elevation band, see your EBMUD bill.



EBMUD’s Wastewater Charges have five components:

1. **Wastewater Service Charge:** The Wastewater Service Charge is a monthly charge per account and is calculated to recover a portion of EBMUD’s costs of providing wastewater services.

2. **Wastewater Flow Charge:** The Wastewater Flow Charge is based on a customer’s metered water use. The charge recovers a portion of EBMUD’s costs of providing wastewater services.

3. **Wastewater Strength Charge:** The Wastewater Strength Charge is based on the estimated amount of waste constituents that a customer discharges into the sewer system and is calculated to recover EBMUD’s costs of treating such waste constituents. As residential customers’ discharge of wastewater strength is fairly homogeneous, the strength charge is the same for all residential customers residing in buildings with fewer than 5 dwellings. For non-residential customers and for buildings with more than 5 dwellings, the amount of wastewater strength discharged varies significantly with the amount of flow, so the strength charge is assessed based on the metered water use and strength estimates for the type of business operated.
4. **SF Bay Pollution Prevention Fee:** The San Francisco Bay Pollution Prevention Fee is a monthly charge that recovers EBMUD’s cost to administer pollution prevention programs required by EBMUD’s wastewater discharge permit.

5. **Wet Weather Facilities Charge (collected on the property tax bill):** The Wet Weather Facilities Charge pays for costs associated with inflow and infiltration of stormwater into the sanitary sewer system. This annual charge is calculated based on parcel/lot size to account for each lot’s capacity to contribute inflow and infiltration during a wet weather event.

Wastewater Service, Flow and Strength Charges for Single-Family Residential and Multi-Family Residential with 2–4 Dwellings

FY2026-Proposed Effective July 1, 2025 • FY2027-Proposed Effective July 1, 2026

| Description  | Current | FY2026  | FY2027  |
|--|---------|---------|---------|
| Service Charge (\$ per account, per month)                           | \$9.29  | \$10.08 | \$10.94 |
| Flow Charge (\$ per unit - Up to 9 units max., 1 unit = 748 gallons) | \$1.68  | \$1.82  | \$1.97  |
| Strength Charge (\$ per dwelling, per month)                         | \$9.67  | \$10.49 | \$11.38 |
| SF Bay Pollution Prevention Fee (\$ per dwelling, per month)         | \$0.20  | \$0.20  | \$0.20  |

Public Hearing, Protest and Objection Procedures

On Tuesday, June 10, 2025, at the regular Board meeting that begins at 1:15 p.m., the Board of Directors will hold a public hearing on the proposed changes to the water and wastewater rates in the EBMUD Boardroom, 375 11th Street, Oakland, California, 94607-4240. EBMUD board meetings are livestreamed on EBMUD’s website at [ebmud.com/boardmeetings](http://ebmud.com/boardmeetings). A link for virtual participation in board meetings is made available 72 hours prior to regular board meetings on the same webpage.

Public Comment and Participation:

The EBMUD Board of Directors will hear oral comments and consider all Protests, Objections and staff responses to Objections at the public hearing. Oral comments at the public hearing will be recorded in the public record of the hearing but will not be counted as a Protest or Objection. Only written protests and written objections will be counted as formal Protests under Proposition 218. At the conclusion of the public hearing, the Board will consider adopting the proposed water and wastewater rates described in this notice. The Board may impose the proposed rates if timely written Protests are not submitted by property owners or customers of record on behalf of a majority of the parcels affected by the proposed changes.

Protest Procedure (Cal. Const., art. XIII D, § 6(a)):

The owner of record of any parcel upon which the water and wastewater rates are proposed for imposition, or a customer of record who is not the property owner (e.g., a tenant), may submit a written Protest to one or more proposed rate changes (“Protest”); however, only one Protest will be counted per identified parcel. Any Protest must:

- (1) state the specific rate change for which the Protest is being submitted;
- (2) provide the location of the identified parcel (by customer account number, street address, or assessor’s parcel number); and (3) include the name and signature of the party submitting the Protest.

If a party is protesting one or more proposed rate changes, the party should identify the rate or rates that is being protested. All Protests must be received by EBMUD prior to the conclusion of the public comment portion of the public hearing.

Protests must be mailed to EBMUD, ATTN: Director of Finance, MS 218, PO Box 24055, Oakland, CA 94623-1055 or delivered in person at 375 11th Street, Oakland, CA, 94607-4240. Protests submitted by email, fax, or other means will not be accepted as a Protest.

Separate Exhaustion of Administrative Remedies Procedure (Gov. Code § 53759.1):

The owner of record of any parcel upon which the water and wastewater rates are proposed for imposition, or a customer of record who is not the property owner (e.g., a tenant), may submit a written objection (“Objection”) to the District. Any Objection must:

- (1) state the specific rate change for which the Objection is being submitted;
- (2) provide the location of the identified parcel (by customer account number, street address, or assessor’s parcel number); (3) include the name and signature of the party submitting the Objection; (4) indicate the submission is an Objection; and (5) specify the grounds for alleging the District’s noncompliance with Proposition 218. Please note the specified grounds must be sufficiently detailed to allow the District to determine whether alterations to the proposed rate changes are needed. By way of example, an Objection stating a proposed rate change violates Proposition 218, without providing detail explaining the basis for this claim, is insufficient.

Objections must be received by 11:59 p.m. on Monday, June 2, 2025. Failure to timely submit an Objection will bar any right to challenge the fee or charge through a legal proceeding. All timely Objections received will also be counted as a Protest. Any Objection received after 11:59 p.m. on Monday, June 2, 2025 and before the close of the public comment portion of the public hearing will only be considered and counted as a Protest.

Objections must be mailed to EBMUD, ATTN: Director of Finance, MS 218, PO Box 24055, Oakland, CA 94623-1055 or delivered in person at 375 11th Street, Oakland, CA, 94607-4240. Objections submitted by email, fax, or other means will not be accepted as an Objection.



# Wastewater Service, Flow and Strength Charges for Non-Residential and Apartment Buildings with 5+ Dwellings

\$ per unit (1 unit = 748 gallons) • FY2026-Proposed Effective July 1, 2025 • FY2027-Proposed Effective July 1, 2026

|  | Current                           | FY2026  | FY2027  |  | Current  | FY2026  | FY2027                  |
|--|-----------------------------------|---------|---------|--|----------|---|-------------------------|
| Service Charge (\$ per account, per month)   | \$9.29                            | \$10.08 | \$10.94 | SF Bay Pollution Prevention Fee (\$ per acct.)*                                      | \$5.48   | \$5.48  | \$5.48                  |
| Combined Strength and Flow Charges by Business Classification Code (BCC) \$ per unit |                                   |         |         | Combined Strength and Flow Charges by Business Classification Code (BCC) \$ per unit |          |   |                         |
| 2010   | Meat Products                     | \$11.74 | \$12.74 | \$13.82  |          |   |                         |
| 2011   | Slaughterhouses                   | \$11.24 | \$12.20 | \$13.24  |          | <b>All Other Business Classifications†</b>                    | \$3.75 \$4.07 \$4.42    |
| 2020   | Dairy Product Processing          | \$9.21  | \$9.99  | \$10.84  |          |   |                         |
| 2030   | Fruit and Vegetable Canning       | \$7.41  | \$8.04  | \$8.72   |          | <b>Multi-Use Accounts‡</b>                                    |                         |
| 2040   | Grain Mills                       | \$7.38  | \$8.01  | \$8.69   |          | Food Service, Bakery, and Domestic                            |                         |
| 2050   | Bakeries (including Pastries)     | \$12.76 | \$13.84 | \$15.02  | <b>A</b> | 0-9% Food, 91-100% Domestic                                   | \$3.75 \$4.07 \$4.42    |
| 2060   | Sugar Processing                  | \$7.29  | \$7.91  | \$8.58   | <b>B</b> | 10-19% Food, 81-90% Domestic                                  | \$4.15 \$4.50 \$4.89    |
| 2077   | Rendering Tallow                  | \$22.15 | \$24.03 | \$26.07  | <b>C</b> | 20-29% Food, 71-80% Domestic                                  | \$4.55 \$4.93 \$5.35    |
| 2080   | Beverage Manufacturing/Bottling   | \$5.54  | \$6.01  | \$6.52   | <b>D</b> | 30-39% Food, 61-70% Domestic                                  | \$4.94 \$5.36 \$5.82    |
| 2090   | Specialty Foods Manufacturing     | \$23.82 | \$25.84 | \$28.04  | <b>E</b> | 40-49% Food, 51-60% Domestic                                  | \$5.34 \$5.79 \$6.29    |
| 2600   | Pulp and Paper Products           | \$6.33  | \$6.87  | \$7.45   | <b>F</b> | 50-59% Food, 41-50% Domestic                                  | \$5.73 \$6.22 \$6.75    |
| 2810   | Inorganic Chemicals Manufacturing | \$8.15  | \$8.84  | \$9.59   | <b>G</b> | 60-69% Food, 31-40% Domestic                                  | \$6.13 \$6.65 \$7.22    |
| 2820   | Synthetic Material Manufacturing  | \$1.91  | \$2.07  | \$2.25   | <b>H</b> | 70-79% Food, 21-30% Domestic                                  | \$6.53 \$7.08 \$7.68    |
| 2830   | Drug Manufacturing                | \$4.11  | \$4.46  | \$4.84   | <b>I</b> | 80-89% Food, 11-20% Domestic                                  | \$6.92 \$7.51 \$8.15    |
| 2840   | Cleaning and Sanitation Products  | \$8.31  | \$9.02  | \$9.79   | <b>J</b> | 90-99% Food, 1-10% Domestic                                   | \$7.32 \$7.94 \$8.62    |
| 2850   | Paint Manufacturing               | \$16.03 | \$17.39 | \$18.87  | <b>K</b> | 0-9% Bakery, 91-100% Domestic                                 | \$3.75 \$4.07 \$4.42    |
| 2893   | Ink and Pigment Manufacturing     | \$5.80  | \$6.29  | \$6.82   | <b>L</b> | 10-19% Bakery, 81-90% Domestic                                | \$4.66 \$5.05 \$5.48    |
| 3110   | Leather Tanning and Finishing     | \$22.14 | \$24.02 | \$26.06  | <b>M</b> | 20-29% Bakery, 71-80% Domestic                                | \$5.56 \$6.02 \$6.54    |
| 3200   | Earthenware Manufacturing         | \$4.50  | \$4.88  | \$5.29   | <b>N</b> | 30-39% Bakery, 61-70% Domestic                                | \$6.46 \$7.00 \$7.60    |
| 3300   | Primary Metals Manufacturing      | \$3.56  | \$3.86  | \$4.19   | <b>O</b> | 40-49% Bakery, 51-60% Domestic                                | \$7.36 \$7.98 \$8.66    |
| 3400   | Metal Products Fabricating        | \$2.08  | \$2.26  | \$2.45   | <b>P</b> | 50-59% Bakery, 41-50% Domestic                                | \$8.26 \$8.96 \$9.73    |
| 3410   | Drum and Barrel Manufacturing     | \$22.54 | \$24.46 | \$26.54  | <b>Q</b> | 60-69% Bakery, 31-40% Domestic                                | \$9.16 \$9.93 \$10.78   |
| 3470   | Metal Coating                     | \$2.26  | \$2.45  | \$2.66   | <b>R</b> | 70-79% Bakery, 21-30% Domestic                                | \$10.06 \$10.91 \$11.84 |
| 4500   | Air Transportation                | \$2.97  | \$3.22  | \$3.49   | <b>S</b> | 80-89% Bakery, 11-20% Domestic                                | \$10.96 \$11.89 \$12.90 |
| 4951   | Groundwater Remediation           | \$1.74  | \$1.89  | \$2.05   | <b>T</b> | 90-99% Bakery, 1-10% Domestic                                 | \$11.86 \$12.86 \$13.96 |
| 5812   | Food Service Establishments       | \$7.71  | \$8.37  | \$9.08   |          |   |                         |
| 6513   | Apartment Buildings (5+ units)§   | \$3.75  | \$4.07  | \$4.42   |          |   |                         |
| 7000   | Hotels, Motels with Food Service  | \$5.55  | \$6.02  | \$6.53   |          |   |                         |
| 7210   | Commercial Laundries              | \$4.99  | \$5.41  | \$5.87   |          |   |                         |
| 7215   | Coin Operated Laundromats         | \$3.74  | \$4.06  | \$4.41   |          | <b>Flow Charges and Strength Charges for Permit Accounts#</b> |                         |
| 7218   | Industrial Laundries              | \$14.17 | \$15.37 | \$16.68  |          | Flow Charge per unit per month                                | \$1.68 \$1.83 \$1.99    |
| 7300   | Laboratories                      | \$2.68  | \$2.91  | \$3.16   |          | Strength Charge per pound                                     |                         |
| 7542   | Automobile Washing/Polishing      | \$3.55  | \$3.85  | \$4.18   |          | Chemical Oxygen Demand  | \$0.17 \$0.19 \$0.21    |
| 8060   | Hospitals                         | \$3.41  | \$3.70  | \$4.01   |          | Total Suspended Solids  | \$0.71 \$0.78 \$0.85    |
| 8200   | Schools                           | \$2.51  | \$2.72  | \$2.95   |          |   |                         |

\* SF Bay Pollution Prevention Fee for apartments (5 or more dwellings) will be \$1.00 per month for both FY2026 and FY2027.

† Includes dischargers of only segregated domestic wastes from sanitary conveniences.

‡ If you have a Multi-Use account, EBMUD sent you a letter when your account was established noting the calculated percentage of domestic and food service/bakery use, which can be used in conjunction with this table to determine your blended maximum rate. If you have any questions, please contact EBMUD Customer Service 1-866-403-2683.

§ Minimum combined monthly service, flow and strength charges for 6513 Apartment Buildings (5 or more dwellings) is currently \$57.64 and is proposed to increase to \$62.53 (FY2026) and \$67.84 (FY2027).

# Existing wastewater unique strength permit customers will receive information with this notice on how the proposed flow and strength charges will impact their FY2026 and FY2027 wastewater bill.

## Annual Wet Weather Facilities Charge

\$ per lot • FY2026–Proposed Effective July 1, 2025 • FY2027–Proposed Effective July 1, 2026 • Collected on the property tax bill • For properties that do not receive a property tax bill, charges will be billed directly to the property owner.

| Current                    |                                  |                            | FY2026                     |                                  |                            | FY2027                     |                                  |                            |
|----------------------------|----------------------------------|----------------------------|----------------------------|----------------------------------|----------------------------|----------------------------|----------------------------------|----------------------------|
| Small lot<br>0–5,000 sq ft | Medium lot<br>5,001–10,000 sq ft | Large lot<br>>10,000 sq ft | Small lot<br>0–5,000 sq ft | Medium lot<br>5,001–10,000 sq ft | Large lot<br>>10,000 sq ft | Small lot<br>0–5,000 sq ft | Medium lot<br>5,001–10,000 sq ft | Large lot<br>>10,000 sq ft |
| \$147.38                   | \$230.16                         | \$526.00                   | \$159.90                   | \$249.72                         | \$570.70                   | \$173.48                   | \$270.94                         | \$619.20                   |



# Investing in the Future

For more than a century, EBMUD has supported the East Bay's health, economy, and environment with high-quality water and award-winning wastewater treatment. The proposed Fiscal Year 2026 and Fiscal Year 2027 Biennial Budget addresses the need to renew aging infrastructure, maintain water quality, protect the environment, and ensure financial sustainability.

Aging infrastructure remains one of EBMUD's most pressing challenges. EBMUD's 10-year Capital Improvement Program reflects significant planned investments for critical water and wastewater infrastructure. Customer rates support EBMUD's needs to upgrade treatment plants and pumping facilities, pipelines, and sewer interceptors.

These improvements will help EBMUD prepare for earthquakes, droughts and wildfires, and address new challenges brought on by a changing climate, such as intense storms, wildfires, new contaminants, varying water sources, stormwater infiltration, and nutrient loads in San Francisco Bay.

Financial stability underpins the budget framework, with a focus on balanced expenses, debt, and rates. Fulfilling our community's needs requires financial strength. EBMUD navigates its long-term fiscal health by balancing expenses, debt financing, and customer rates in ways that maintain our effectiveness at a reasonable price.

EBMUD remains committed to its role as an essential public partner responsible for managing the critical infrastructure that allows our communities to thrive.

## Water and Wastewater Service Areas





## Notice of Public Hearing: Proposed Changes to Water and Wastewater Rates

**REGULAR BOARD MEETING BEGINS AT 1:15 p.m.  
TUESDAY, JUNE 10, 2025  
375 11TH STREET, OAKLAND, CA 94607-4240**

For more information about the proposed Fiscal Year 2026 and Fiscal Year 2027 budget, rates, and charges for water and wastewater services, or about how to save water, contact us at

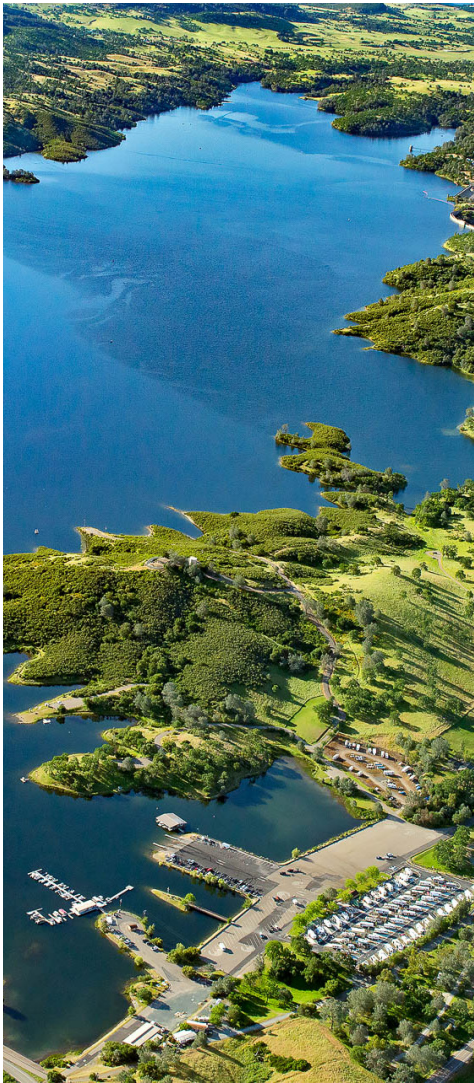
若要更多關於2026—2027財政年度預算、用水及排污費提案或如何節約用水的資訊，請用下列網址或電話

Para más información sobre propuestos cambios a las tarifas y servicios de agua y aguas residuales para los años fiscales 2026 y 2027, o sobre cómo ahorrar agua, contactenos a

[ebmud.com/rates](http://ebmud.com/rates) • 1-866-403-2683

FLORENCE WATERS  
1243 PIPELINE ST  
OAKLAND, CA 94607-1234

*If you are not responsible for paying an EBMUD bill,  
please forward this notice to the EBMUD account holder  
or property owner.*



# Need help with your EBMUD bill?



Most customers are billed bimonthly for the previous two-months water use. Scan the QR code to learn how to read your EBMUD bill.

EBMUD ensures reliable water services for 1.4 million people and wastewater treatment for 740,000 people in the East Bay. EBMUD is committed to ensuring fair and reasonable rates. If you have trouble paying your EBMUD bill, please contact us right away.

**For qualifying customers, EBMUD offers discounted rates through the Customer Assistance Program.** Call 866-403-2683, Monday–Friday, 8:00 a.m.–4:30 p.m., or visit [ebmud.com/assistance](http://ebmud.com/assistance) for payment plans, extensions, and other resources.

# **EXHIBIT B**

# Exhibit B – Submissions Labeled by Authors as an “Objection” and District Responses

In compliance with and consistent with section 6 of article XIII D of the California Constitution (Proposition 218) and the Proposition 218 Omnibus Implementation Act (Government Code § 53750, et seq.), the District provided written notice (Notice) of: (1) the proposed rates and charges to the record owner of each parcel upon which the rates and charges are proposed for imposition (owner of record) and to customers of record (e.g., tenant) (customers of record); (2) the amount of the rates and charges proposed to be imposed on each parcel; (3) the basis upon which the amount of the rates and charges was calculated; (4) the reason for the rates and charges; and (5) the date, time, and location of a public hearing (Hearing) on the proposed rates and charges.

Pursuant to Government Code section 53759.1, the Notice (Exhibit A) also included a prominently displayed statement that contained the information that all written objections (Objections) must:

- 1) state the specific rate change for which the Objection is being submitted;
- 2) provide the location of the identified parcel (by customer account number, street address, or assessor’s parcel number);
- 3) include the name and signature of the party submitting the Objection;
- 4) indicate the submission is an Objection; and
- 5) specify the grounds for alleging the District’s noncompliance with Proposition 218.

The Notice also stated that: “the specified grounds must be sufficiently detailed to allow the District to determine whether alterations to the proposed rate changes are needed. By way of example, an Objection stating a proposed rate change violates Proposition 218, without providing detail explaining the basis for this claim, is insufficient.”

The District established a deadline for submission of Objections of 11:59 p.m. on Monday, June 2, 2025. Accordingly, the Notice further specified that “Objections must be received by 11:59 p.m. on Monday, June 2, 2025.”

The mailed or personally delivered submissions received by the District that were labeled as “objections” by the author and were received by the District by 11:59 p.m. on Monday, June 2, 2025 (the Deadline) are provided below. Other submissions received by the Deadline that were not labeled as “objections” or otherwise do not contain the term “object” are included in Exhibit C.



District staff stamped the submissions with the date received and hand-wrote “validated” on submissions where the name and address associated with a submission matched the name and address of an owner of record or customer of record. Personally identifiable information including street addresses, account numbers, parcel numbers, phone numbers, and signatures have been redacted in the attached.

The attached submissions are paired with cover pages that 1) note whether the submission contained the required information detailed above and 2) provide the District’s responses to each submission.

By providing responses to the submissions and the comments therein, the District does not recognize: 1) any of the submissions as an Objection containing all the information required of an Objection as stated in the Notice and in Government Code section 53759.1; or 2) that the comments contained in any of the submissions are within the scope of Proposition 218 and Government Code section 53759.1. The District does not waive, and hereby expressly reserves, its right to assert any and all defenses, claims, and arguments including, but not limited to, failure to exhaust administrative remedies. Subject to the foregoing, the District provides responses as follows.

Last Name of Submission Author(s): G. Amaya

Service Address City and Zip Code: Pinole CA 94564

Date received by District: May 8, 2025

| Information Required of Objections Per District's Notice   | Information Provided? |
|--|-----------------------|
| (1) States the specific rate change for which the Objection is being submitted   | No                    |
| (2) Provides the location of the parcel (by customer account number, street address, or assessor's parcel number)          | Yes                   |
| (3) Includes the name and signature of the party submitting the Objection.   | Yes                   |
| (4) Indicates the submission is an Objection   | Yes                   |
| (5) Specifies the grounds for alleging noncompliance with Proposition 218 (Article XIII D of the California Constitution). | No                    |
| Received by the District by mail or delivered in person by 11:59 p.m. on Monday, June 2, 2025.                             | Yes                   |

The submission included commentary about wastewater rates and charges. The District notes that the author's service address is outside of the wastewater service area.

### District Responses:

**The proposed changes to the District's Fiscal Year 2026 and 2027 rates and charges are necessary to meet the District's proposed Biennial Budget for Fiscal Year 2026 and 2027.** As discussed in the memorandum of the General Manager dated March 20, 2025, which is included as part of the Board packet for the March 25, 2025 Budget Workshop #2 and is publicly available at [ebmud.com/rates](http://ebmud.com/rates), the proposed rates for FY 2026 and FY 2027 are calculated to generate the revenues needed to recover costs detailed in the District's proposed FY 2026/FY 2027 Biennial Budget (also available at [ebmud.com/rates](http://ebmud.com/rates)).

**The District is a public, not-for-profit water agency and complies with all laws related to transparency, public information, and financial reporting.** District Board meetings are open to the public. See [www.ebmud.com/board-meetings](http://www.ebmud.com/board-meetings) for information about past and upcoming Board meetings and how to provide public comment. Recent meetings of the District's Board of Directors where the proposed FY 2026/2027 rates and/or the proposed FY 2026/2027 Biennial Budget have been agendized include:

- May 13, 2025 Board of Directors Meeting

- March 25, 2025 Budget Workshop #2
- January 28, 2025 Budget Workshop #1
- November 26, 2024 Infrastructure Workshop

Materials from these meetings are available at [www.ebmud.com/rates](http://www.ebmud.com/rates).

The District's audited financial statements are publicly available at [www.ebmud.com/about-us/financial-information/financial-reports](http://www.ebmud.com/about-us/financial-information/financial-reports).

To the extent the author makes additional comments outside of the scope of Proposition 218 and Government Code section 53759.1, no additional responses are warranted here.

May 5, 2025

Gloria Amaya  
[REDACTED]

Pinole, CA 94564

APN: [REDACTED]

**EBMUD**

Attn: Director of Finance  
MS218  
PO Box 24055  
Oakland, CA 94623-1055



**RE: Formal Objection to Proposed Water, Wastewater, and Sewer Rate Increase**

As a Pinole property owner, I object to the proposed Sewer Rate increase to be considered on June 10, 2025.

I am writing to formally object to the proposed increase in water and wastewater rates recently announced by **EBMUD**. As a resident and customer of your service, I am deeply concerned about the financial burden this increase will place on households and businesses in our community.

While I understand the need for infrastructure improvements and the costs associated with maintaining high-quality services, I believe the proposed rate hike is excessive and poorly timed. Many families, including mine, are already struggling with inflation and rising costs of living. A significant increase in utility rates would only add to this hardship.

I respectfully request that your office reconsider the proposed rate adjustment and explore alternative solutions, such as phased increases, improved operational efficiencies, or access to government funding, to reduce the impact on ratepayers.

Additionally, I urge you to provide more transparency regarding how the increased funds will be used and to offer a detailed breakdown of the cost drivers behind this proposal. Public engagement and input should play a central role in decisions that affect such essential services.

Thank you for your attention to this matter. I hope you will take the concerns of your customers seriously and act in the best interests of the community.

Sincerely,

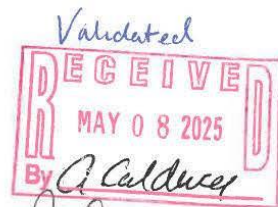
[REDACTED]  
Gloria Amaya

[REDACTED]  
Pinole, CA 94564



Pindole, CA 94564

OAKLAND CA 945  
6 MAY 2025 PM 5 L



By A. Calderon ✓  
J. L.

94623-10555

EBMUD  
Attn: Director of Finance  
MS 218  
PO Box 24055

94623-10555



Last Name of Submission Author(s): R. Breska

Service Address City and Zip Code: Oakland CA 94611

Date received by District: May 14, 2025

| Information Required of Objections Per District's Notice   | Information Provided? |
|--|-----------------------|
| (1) States the specific rate change for which the Objection is being submitted   | Yes                   |
| (2) Provides the location of the parcel (by customer account number, street address, or assessor's parcel number)          | Yes                   |
| (3) Includes the name and signature of the party submitting the Objection.   | Yes                   |
| (4) Indicates the submission is an Objection   | Yes                   |
| (5) Specifies the grounds for alleging noncompliance with Proposition 218 (Article XIII D of the California Constitution). | No                    |
| Received by the District by mail or delivered in person by 11:59 p.m. on Monday, June 2, 2025.                             | Yes                   |

### District Responses:

**The proposed changes to the District's Fiscal Year 2026 and 2027 rates and charges are necessary to meet the District's proposed Biennial Budget for Fiscal Year 2026 and 2027.** As discussed in the memorandum of the General Manager dated March 20, 2025, which is included as part of the Board packet for the March 25, 2025 Budget Workshop #2 and is publicly available at [ebmud.com/rates](http://ebmud.com/rates), the proposed rates for FY 2026 and FY 2027 are calculated to generate the revenues needed to recover costs detailed in the District's proposed FY 2026/FY 2027 Biennial Budget (also available at [ebmud.com/rates](http://ebmud.com/rates)).

To the extent the author makes additional comments outside of the scope of Proposition 218 and Government Code section 53759.1, no additional responses are warranted here.

EBMUD

Attention: Director of Finance, MS218

P.O. Box 24055

Oakland, California 94607 - 4240



May 10, 2025

To Whom It May Concern –

As the owner of the property located at [REDACTED] in Oakland, California, I strongly protest the proposed rate increase for:

- Water Service Charge
- Water Flow Charge
- Elevation Surcharge
- Private Fire Service Charge

I also strongly object and protest the rate increase for:

- Wastewater Service Charge
- Wastewater Flow Charge
- Wastewater Strength Charge
- San Francisco Bay Pollution Prevention Fee
- Wet Weather Facilities Charge

Sincerely,

Rebecca Breska (Owner)

Date

[REDACTED] \_\_\_\_\_  
Account # [REDACTED] 5-10-2025

File: B1 -EBMUD Rate Increases.051025

[Redacted]

Oakland, Ca. 94611

OAKLAND, CA 945

12 MAY 2025 PM 5 L



Validated.



EBMVD  
Attn: Director of Finance  
MS 218  
P.O. Box 24055  
Oakland Ca. 94623-1055

94623-105555

B-9

Last Name of Submission Author(s): D. Franchini

Service Address City and Zip Code: Oakland, CA 94607

Date received by District: June 2, 2025

| Information Required of Objections Per District's Notice   | Information Provided? |
|--|-----------------------|
| (1) States the specific rate change for which the Objection is being submitted   | Yes                   |
| (2) Provides the location of the parcel (by customer account number, street address, or assessor's parcel number)          | Yes                   |
| (3) Includes the name and signature of the party submitting the Objection.   | Yes                   |
| (4) Indicates the submission is an Objection   | Yes                   |
| (5) Specifies the grounds for alleging noncompliance with Proposition 218 (Article XIII D of the California Constitution). | No                    |
| Received by the District by mail or delivered in person by 11:59 p.m. on Monday, June 2, 2025.                             | Yes                   |

### District Responses:

**The proposed changes to the District's Fiscal Year 2026 and 2027 rates and charges are necessary to meet the District's proposed Biennial Budget for Fiscal Year 2026 and 2027.** As discussed in the memorandum of the General Manager dated March 20, 2025, which is included as part of the Board packet for the March 25, 2025 Budget Workshop #2 and is publicly available at [ebmud.com/rates](http://ebmud.com/rates), the proposed rates for FY 2026 and FY 2027 are calculated to generate the revenues needed to recover costs detailed in the District's proposed FY 2026/FY 2027 Biennial Budget (also available at [ebmud.com/rates](http://ebmud.com/rates)).

**The District's Objection process is consistent with Government Code section 53759.1.** California Government Code 53759.1 outlines procedures for local agency compliance. In 2024, the California State Legislature passed Assembly Bill 2257, which is codified under Government Code section 53759.1. The statute creates an exhaustion of administrative remedies procedure that requires ratepayers to bring an objection regarding proposed rates or charges subject to Proposition 218 to the attention of the District prior to the deadline established by the District. The District has followed the procedures provided in the statute.

The procedures in California Government Code 53759.1 are different than subdivision 6(b) of article XIII D, which states, “[i]n any legal action contesting the validity of a fee or charge, the burden shall be on the agency to demonstrate compliance with this article.”

To the extent the author makes additional comments outside of the scope of Proposition 218 and Government Code section 53759.1, no additional responses are warranted here.



**Daniela Franchini**  
[REDACTED] Oakland, CA 94606; Phone: [REDACTED]

May 30, 2025

By U.S. Mail and in Person Delivery

EBMUD  
Attention: Director of Finance,  
375 11<sup>th</sup> Street  
Oakland, CA 94607-4240



**RE: Written Protest and Objections to Proposed Water and Wastewater Service Charge;**  
EBMUD Account N [REDACTED]

I, Daniela Franchini, the owner of the property located at [REDACTED] Oakland, CA 94606, a single-family residential dwelling, hereby object to and protest all proposed increases in water and wastewater rates as outlined in the Notice of Public Hearing from EBMUD regarding the "Proposed Rate Increase to Water and Wastewater Service Charge" for the Board Meeting scheduled on June 10, 2025.

Specifically, I **object** to the following:

**1. Water Flow Charge Tier 1:**

The proposed increase for single-family residential customers from the current rate of \$5.41 per unit to \$7.89 for Fiscal Year 2026, and to \$8.40 for Fiscal Year 2027;

**2. Wastewater Service, Flow, and Strength Charges:**

a) **Service charge:**

Proposed increase from the current \$9.29 to \$10.08 for FY 2026, and \$10.94 for FY 2027;

b) **Flow charge:**

Proposed increase from the current \$1.68 to \$1.82 for FY 2026, and \$1.97 for FY 2027;

c) **Strength charge:**

Proposed increase from the current \$9.67 to \$10.49 for FY 2026, and \$11.38 for FY 2027.

**3. Annual Wet Weather Facilities Charge:**

Proposed Increase for medium lots from the current charge of \$230.16 to \$249.72 for FY 2026, and \$270.94 for FY 2027.

4. EBMUD Account Number [REDACTED] Oakland, CA 94591.

**5. Non-compliance with Proposition 218:**

Approved by the voters in 1996, Proposition 218 added Articles XIII C and XIII D (property-based taxes and fees) to the California Constitution. Article XIII D imposes specific procedural and substantive limitations on governing agencies, like EBMUD.

It appears that the District is shifting to property owners who object to the proposed rate increases for water and wastewater the burden of proof regarding non-compliance, rather than demonstrating that these proposed increases comply on with the procedural and substantive requirements of Proposition 218.

On its face, such request is unacceptable and legally questionable.

Please note that the proposed increases are on top of rate hikes in 2023 and 2024 that also exceeded the rate of inflation. Water rates at EBMUD are much higher than those at two other large water districts in Southern California. EBMUD is also more expensive than the nearby Contra Costa Water District, and Solano County various districts.

Additionally, the total pay and benefits of your managers are astronomical(See the source Transparent California: over \$500,000 ). Furthermore, unlike the SoCal systems, EBMUD spends heavily in Diversity, Equity, and Inclusion. In 2023, the utility employed eight individuals in its "Diversity Equity & Culture Administration" and "Diversity and Inclusion" departments with aggregate compensation of over **\$1.5 million**.

As a senior citizen, my income is not increasing, which makes these proposed increases particularly concerning. EBMUD should absorb any cost increases and cut unnecessary administrative expenses instead of shifting the financial burden onto consumers.

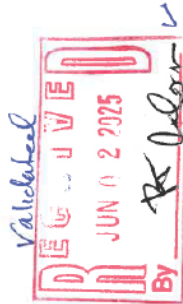
Best regards,

[REDACTED]  
Daniela Franchini

Daniela Franchini  
[REDACTED] Oakland, CA 94606; Phone: [REDACTED]

DANIELA FRANCHINI  
[REDACTED]  
OAKLAND, CA 94606

EBHVD  
DIRECTOR OF FINANCE  
375 Jfk St.  
OAKLAND, CA 94607-4240



Last Name of Submission Author(s): E. Junginger

**Service Addresses City and Zip Code:** Castro Valley CA 94546. Ten letters for eight separate accounts were submitted by E. Junginger.

**Date received by District:** April 18, 2025

| Information Required of Objections Per District's Notice   | Information Provided? |
|--|-----------------------|
| (1) States the specific rate change for which the Objection is being submitted   | No                    |
| (2) Provides the location of the parcel (by customer account number, street address, or assessor's parcel number)          | Yes                   |
| (3) Includes the name and signature of the party submitting the Objection.   | Yes                   |
| (4) Indicates the submission is an Objection   | Yes                   |
| (5) Specifies the grounds for alleging noncompliance with Proposition 218 (Article XIII D of the California Constitution). | No                    |
| Received by the District by mail or delivered in person by 11:59 p.m. on Monday, June 2, 2025.                             | Yes                   |

The submission included commentary about wastewater rates and charges. The District notes that the author's service addresses are outside of the wastewater service area.

### District Responses:

**The proposed changes to the District's Fiscal Year 2026 and 2027 rates and charges are necessary to meet the District's proposed Biennial Budget for Fiscal Year 2026 and 2027.** As discussed in the memorandum of the General Manager dated March 20, 2025, which is included as part of the Board packet for the March 25, 2025 Budget Workshop #2 and is publicly available at [ebmud.com/rates](http://ebmud.com/rates), the proposed rates for FY 2026 and FY 2027 are calculated to generate the revenues needed to recover costs detailed in the District's proposed FY 2026/FY 2027 Biennial Budget (also available at [ebmud.com/rates](http://ebmud.com/rates)).

**The District is a public, not-for-profit water agency and complies with all laws related to transparency, public information, and financial reporting.** District Board meetings are open to the public. See [www.ebmud.com/board-meetings](http://www.ebmud.com/board-meetings) for information about past and upcoming Board meetings and how to provide public comment. Recent meetings of the District's Board of Directors where the proposed FY 2026/2027 rates and/or the proposed FY 2026/2027 Biennial Budget have been agendized include:

- May 13, 2025 Board of Directors Meeting
- March 25, 2025 Budget Workshop #2
- January 28, 2025 Budget Workshop #1
- November 26, 2024 Infrastructure Workshop

Materials from these meetings are available at [www.ebmud.com/rates](http://www.ebmud.com/rates).

The District's audited financial statements are publicly available at [www.ebmud.com/about-us/financial-information/financial-reports](http://www.ebmud.com/about-us/financial-information/financial-reports).

To the extent the author makes additional comments outside of the scope of Proposition 218 and Government Code section 53759.1, no additional responses are warranted here.



EBMUD  
Attn: Director of Finance  
MS 218  
PO Box 24055  
Oakland, CA 94623-1055



Re: Public Hearing on Proposed Increases to Water Service Rates and Wastewater Service Rates

On behalf of Redwood Chapel, Inc., I object to the proposed increases to water service rates (monthly service charges, water flow charge, elevation surcharge, and drought surcharge) and wastewater service rates due to the frequency that EBMUD asks for such increases (2 years ago) and amount of such increases, as the 4-page pamphlet sent to property owners did not describe in detail why such rate increases were necessary or justified. I am the Director of Operations for The Redwood Chapel, Inc., which owns the property at [REDACTED] Castro Valley [Parcel No. [REDACTED]].

[REDACTED]  
Eric Junginger

EBMUD  
Attn: Director of Finance  
MS 218  
PO Box 24055  
Oakland, CA 94623-1055

Acct # [REDACTED]  
Executive Director of Operations



Re: Public Hearing on Proposed Increases to Water Service Rates and Wastewater Service Rates

On behalf of Redwood Chapel, Inc., I object to the proposed increases to water service rates (monthly service charges, water flow charge, elevation surcharge, and drought surcharge) and wastewater service rates due to the frequency that EBMUD asks for such increases (2 years ago) and amount of such increases, as the 4-page pamphlet sent to property owners did not describe in detail why such rate increases were necessary or justified. I am the Director of Operations for The Redwood Chapel, Inc., which owns the property at [REDACTED] Castro Valley [Parcel No. [REDACTED]].

[REDACTED]  
Eric Junginger

EBMUD  
Attn: Director of Finance  
MS 218  
PO Box 24055  
Oakland, CA 94623-1055



Re: Public Hearing on Proposed Increases to Water Service Rates and Wastewater Service Rates

On behalf of Redwood Chapel, Inc., I object to the proposed increases to water service rates (monthly service charges, water flow charge, elevation surcharge, and drought surcharge) and wastewater service rates due to the frequency that EBMUD asks for such increases (2 years ago) and amount of such increases, as the 4-page pamphlet sent to property owners did not describe in detail why such rate increases were necessary or justified. I am the Director of Operations for The Redwood Chapel, Inc., which owns the property at [REDACTED] Castro Valley [Parcel No. [REDACTED]].

[REDACTED]  
Eric Junginger

EBMUD  
Attn: Director of Finance  
MS 218  
PO Box 24055  
Oakland, CA 94623-1055



Re: Public Hearing on Proposed Increases to Water Service Rates and Wastewater Service Rates

On behalf of Redwood Chapel, Inc., I object to the proposed increases to water service rates (monthly service charges, water flow charge, elevation surcharge, and drought surcharge) and wastewater service rates due to the frequency that EBMUD asks for such increases (2 years ago) and amount of such increases, as the 4-page pamphlet sent to property owners did not describe in detail why such rate increases were necessary or justified. I am the Director of Operations for The Redwood Chapel, Inc., which owns the property at [REDACTED] Castro Valley [Parcel No. [REDACTED]].

[REDACTED]  
Eric Junginger

EBMUD  
Attn: Director of Finance  
MS 218  
PO Box 24055  
Oakland, CA 94623-1055



Re: Public Hearing on Proposed Increases to Water Service Rates and Wastewater  
Service Rates

I object to the proposed increases to water service rates (monthly service charges, water flow charge, elevation surcharge, and drought surcharge) and wastewater service rates due to the frequency that EBMUD asks for such increases (2 years ago) and amount of such increases, as the 4-page pamphlet sent to property owners did not describe in detail why such rate increases were necessary or justified. The property I own is [REDACTED] Castro Valley [Parcel No. [REDACTED]].

[REDACTED]  
Eric Junginger JD

EBMUD  
Attn: Director of Finance  
MS 218  
PO Box 24055  
Oakland, CA 94623-1055



Re: Public Hearing on Proposed Increases to Water Service Rates and Wastewater Service Rates

I object to the proposed increases to water service rates (monthly service charges, water flow charge, elevation surcharge, and drought surcharge) and wastewater service rates due to the frequency that EBMUD asks for such increases (2 years ago) and amount of such increases, as the 4-page pamphlet sent to property owners did not describe in detail why such rate increases were necessary or justified. The property I own is [REDACTED] Castro Valley [Parcel No. [REDACTED]].

[REDACTED]  
Eric Junginger



EBMUD  
Attn: Director of Finance  
MS 218  
PO Box 24055  
Oakland, CA 94623-1055



Re: Public Hearing on Proposed Increases to Water Service Rates and Wastewater Service Rates

On behalf of Redwood Chapel, Inc., I object to the proposed increases to water service rates (monthly service charges, water flow charge, elevation surcharge, and drought surcharge) and wastewater service rates due to the frequency that EBMUD asks for such increases (2 years ago) and amount of such increases, as the 4-page pamphlet sent to property owners did not describe in detail why such rate increases were necessary or justified. I am the Director of Operations for The Redwood Chapel, Inc., which owns the property at [REDACTED] Castro Valley [Parcel No. [REDACTED]].

[REDACTED]  
Eric Junginger

EBMUD  
Attn: Director of Finance  
MS 218  
PO Box 24055  
Oakland, CA 94623-1055

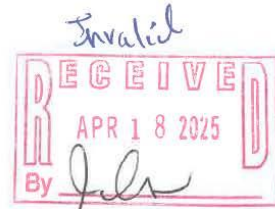


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[REDACTED]  
Eric Junginger JD

EBMUD  
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[REDACTED]  
Eric Junginger

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[REDACTED]  
Eric Junginger

**REDWOOD CHAPEL**  
community church

Castro Valley, CA 94546  
redwoodchapel.org



① - Validate  
② - Invalid

EBMud  
Attn: Director of Finance  
MS 218  
PO Box 24055  
Oakland, CA 94623-1055

946231055 BD14



Last Name of Submission Author(s): C. Langsdale

Service Address City and Zip Code: San Leandro, CA 94579

Date received by District: April 24, 2025

| Information Required of Objections Per District's Notice   | Information Provided? |
|--|-----------------------|
| (1) States the specific rate change for which the Objection is being submitted   | No                    |
| (2) Provides the location of the parcel (by customer account number, street address, or assessor's parcel number)          | Yes                   |
| (3) Includes the name and signature of the party submitting the Objection.   | Yes                   |
| (4) Indicates the submission is an Objection   | Yes                   |
| (5) Specifies the grounds for alleging noncompliance with Proposition 218 (Article XIII D of the California Constitution). | No                    |
| Received by the District by mail or delivered in person by 11:59 p.m. on Monday, June 2, 2025.                             | Yes                   |

### District Responses:

**The proposed changes to the District's Fiscal Year 2026 and 2027 rates and charges are necessary to meet the District's proposed Biennial Budget for Fiscal Year 2026 and 2027.** As discussed in the memorandum of the General Manager dated March 20, 2025, which is included as part of the Board packet for the March 25, 2025 Budget Workshop #2 and is publicly available at [ebmud.com/rates](http://ebmud.com/rates), the proposed rates for FY 2026 and FY 2027 are calculated to generate the revenues needed to recover costs detailed in the District's proposed FY 2026/FY 2027 Biennial Budget (also available at [ebmud.com/rates](http://ebmud.com/rates)).

**The District's proposed rates are compliant with the cost of service and proportionality requirements of Proposition 218.** The District's rates and charges are calculated to be proportional to the District's cost to provide service to individual parcels/customer accounts. The proportionality of the District's rates is established by the District's water and wastewater cost of service rate studies. As discussed in the Notice, the cost of service rate studies are available at [ebmud.com/rates](http://ebmud.com/rates) and printed copies will be mailed to a party upon request and are available at the District's Office of the Secretary for public review.



**The District has provided notice of the proposed rate changes and has scheduled a public hearing in compliance with Proposition 218. Pursuant to Article XIII D, Section 6 of the California Constitution, written notice of the proposed rate changes was provided to the record owner of each identified parcel receiving water or wastewater service from the District.** In addition to mailing the Notice to identified record owners, the Notice was sent to all account holders/ratepayers. An electronic version of the Notice is also available at [www.ebmud.com/rates](http://www.ebmud.com/rates). The Notice contains the information required by Proposition 218 (California Constitution, Article XIII D, Section 6), including the amount of the rates and charges, the basis upon which the amount of the proposed rates and charges was calculated, the reason for the proposed rates and charges, together with the date, time, and location of the public hearing on the proposed rates and charges.

As required by Proposition 218, the District scheduled a public hearing on the proposed rates and charges for not less than 45 days after mailing the notice. Mailing of the Notice was completed on April 16, 2025, more than 45 days in advance of the public hearing scheduled for June 10, 2025.

**The District is a public, not-for-profit water agency and complies with all laws related to transparency, public information, and financial reporting.** District Board meetings are open to the public. See [www.ebmud.com/board-meetings](http://www.ebmud.com/board-meetings) for information about past and upcoming Board meetings and how to provide public comment. Recent meetings of the District's Board of Directors where the proposed FY 2026/2027 rates and/or the proposed FY 2026/2027 Biennial Budget have been agendized include:

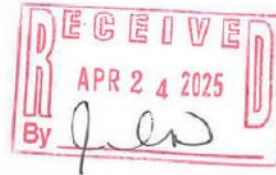
- May 13, 2025 Board of Directors Meeting
- March 25, 2025 Budget Workshop #2
- January 28, 2025 Budget Workshop #1
- November 26, 2024 Infrastructure Workshop

Materials from these meetings are available at [www.ebmud.com/rates](http://www.ebmud.com/rates).

The District's audited financial statements are publicly available at [www.ebmud.com/about-us/financial-information/financial-reports](http://www.ebmud.com/about-us/financial-information/financial-reports).

To the extent the author makes additional comments outside of the scope of Proposition 218 and Government Code section 53759.1, no additional responses are warranted here.

Chris Langsdale  
[REDACTED]  
San Leandro, CA 94579  
[REDACTED]  
4/21/2025



To:  
Director of Finance  
EBMUD  
MS218, PO Box 24055,  
Oakland, CA 94623-1055

**Formal Protest and Objection of Proposed Water Rate Increase – Violation of Proposition 218**

Dear Sophia Skoda (Director of Finance),

I am writing as a residential property owner [REDACTED] within the East Bay Municipal Utility District (EBMUD) to formally protest the proposed increase in water service rates under the authority of California Constitution Article XIII D (Proposition 218).

After reviewing the public notice and associated rate documentation, I believe this proposed increase is unlawful on multiple grounds, which mirror the deficiencies cited in the Court of Appeal's published decision in *KCSFV I, LLC v. Florin County Water District* (2021):

**1. The Proposed Rates Violate the Cost-of-Service Requirement**

Proposition 218 prohibits water rates that exceed the proportional cost of service attributable to the parcel. The materials provided by your district fail to clearly establish that the increased charges reflect actual costs incurred. Absent detailed, transparent, and itemized cost-of-service justification, any rate increases that results in the accumulation of surplus revenue constitutes an illegal tax.

If EBMUD cannot demonstrate with detailed financials that this rate increase is limited strictly to the cost of service, it risks the same legal invalidation as in *Florin County*.

**2. The District Failed to Provide Legally Sufficient, Parcel-Specific Notice**

Proposition 218 requires that each ratepayer receive a clear notice of how the proposed rates will impact their specific parcel. The notice I received includes only generic examples, not the actual projected charges applicable to my property. This deprives me and other homeowners of the ability to make informed decisions or protest meaningfully.

The court in *Florin County* found this deficiency alone invalidated the rate process and exempted plaintiffs from exhausting administrative remedies.

**3. I Have Not Been Shown How the Proposed Rate Is Proportional to the Cost of Service**

As a property owner, I have not received any information showing how the proposed rate increase is **proportional** to the actual cost of providing water service to my parcel.

There is no documentation provided that justifies the relationship between this proposed increase and the cost of service to my property. Furthermore, the vague assertion that rates need to be raised to rebuild "meaningful reserves" lacks any quantification or explanation of how those reserves were calculated, how much is actually needed, or whether that money is legally restricted to service-related use.

In plain terms: this feels more like EBMUD attempting to generate profit, not cover the true cost of providing water.

#### **4. The Process Lacks Transparency and Accountability**

Without a current, publicly available cost-of-service study and clear rate-setting methodology, the EBMUD has failed its legal burden to prove proportionality and fairness. The materials made available to property owners like myself are vague, generalized, and legally insufficient under constitutional standards.

#### **5. Request for Oversight and Investigation**

Due to these legal violations, I am copying this letter to the **California State Auditor, California Attorney General's Public Rights Division**, and the **Alameda County Civil Grand Jury**. I respectfully request that these oversight bodies investigate whether EBMUD has violated the California Constitution and misused public funds under the guise of a rate adjustment.

#### **Conclusion**

I request that my protest and objection be formally counted under the Proposition 218 process and that this rate increase be withdrawn until and unless it can be clearly shown to comply fully with all legal requirements.

Failure to do so may result in further legal action, including public interest litigation.

Sincerely,

  
Christopher Langsdale

#### **CC:**

- California State Auditor, 621 Capitol Mall, Suite 1200, Sacramento, CA 95814
- California Attorney General – Public Rights Division, P.O. Box 944255, Sacramento, CA 94244-2550
- Alameda County Civil Grand Jury, 1401 Lakeside Drive, Suite 1104, Oakland, CA 94612
- Alameda County Board of Supervisors, Lena Tam, 103 Callan Ave., San Leandro, CA 94577

OAKLAND CA 945  
22 APR 2025 PM 6 L



Sophia Skoda / Director of  
Finance  
EBMUD MS218  
PO BOX 24055  
OAKland, CA 94623-1055



94623-10555



# **EXHIBIT C**

# Exhibit C – Responses to Other Submissions

In compliance with and consistent with section 6 of article XIII D of the California Constitution (Proposition 218) and the Proposition 218 Omnibus Implementation Act (Government Code § 53750, et seq.), the District provided written notice (Notice) of: (1) the proposed rates and charges to the record owner of each parcel upon which the rates and charges are proposed for imposition (owner of record) and to customers of record (e.g., tenant) (customers of record); (2) the amount of the rates and charges proposed to be imposed on each parcel; (3) the basis upon which the amount of the rates and charges was calculated; (4) the reason for the rates and charges; and (5) the date, time, and location of a public hearing (Hearing) on the proposed rates and charges.

Pursuant to Government Code section 53759.1, the Notice (Exhibit A) also included a prominently displayed statement that contained the information that all written objections (Objections) must:

- 1) state the specific rate change for which the Objection is being submitted;
- 2) provide the location of the identified parcel (by customer account number, street address, or assessor's parcel number);
- 3) include the name and signature of the party submitting the Objection;
- 4) indicate the submission is an Objection; and
- 5) specify the grounds for alleging the District's noncompliance with Proposition 218.

The Notice also stated that: "the specified grounds must be sufficiently detailed to allow the District to determine whether alterations to the proposed rate changes are needed. By way of example, an Objection stating a proposed rate change violates Proposition 218, without providing detail explaining the basis for this claim, is insufficient."

The District established a deadline for submission of Objections of 11:59 p.m. on Monday, June 2, 2025. Accordingly, the Notice further specified that: "Objections must be received by 11:59 p.m. on Monday, June 2, 2025."

This Exhibit provides copies of the mailed or personally delivered submissions that the District received by June 2, 2025 at 11:59 p.m. that were not labeled as "objections" by the authors or otherwise did not contain the term "object" (see Exhibit B – Submissions Labeled by Authors as an "Objection" and District Responses ). Certain of these submissions constitute a Protest in accordance with the California Constitution, article XIII, section 6(a) and consistent with the Protest procedure specified in the Notice (Exhibit A).

District staff stamped the submissions with the date received and hand-wrote "validated" on submissions where the name and address associated with a submission matched the name and



address of an owner of record or customer of record. Identifying information including street addresses, account numbers, parcel numbers, phone numbers, and signatures have been redacted in the attached.

The attached submissions are paired with cover pages that 1) note whether the submission contained the required information detailed above and that 2) provide the District's responses to each submission.

By providing responses to the submissions and the comments therein, the District does not recognize: 1) any of the submissions as an Objection containing all the information required of an Objection as stated in the Notice and Government Code section 53759.1; or 2) that the comments contained in any of the submission are within the scope of Proposition 218 and Government Code section 53759.1. The District does not waive, and hereby expressly reserves, its right to assert any and all defenses, claims, and arguments including, but not limited to, failure to exhaust administrative remedies. Subject to the foregoing, the District provides responses as follows.

Last Names of Submission Author(s): W. Alpert, D. Anzilotti, L. Banahan, F. Chao & M. Hwang-Chao, C. Cross, Y. Gao, E. Gary, R & C. Gobbell, E. & S. Hilberg, C. Jackson, G. Kim, J. Kluegar (Magee Ranch HOA), J. McAnally, M. Motto, F. Palantoni, C. Russell, D. & L. Simpson

**Service Address City and Zip Code:** Danville, CA 94506. Seventeen submissions from residents of Danville were received that had substantially the same text. The District's responses to these submissions follow.

**Date received by District:** May 15, 2025 through June 2, 2025

| Information Required of Protests Per District's Notice   | Information Provided? |
|--|-----------------------|
| (1) States the specific rate change for which the Protest is being submitted   | Yes                   |
| (2) Provides the location of the parcel (by customer account number, street address, or assessor's parcel number)          | Yes                   |
| (3) Includes the name and signature of the party submitting the Protest.   | Yes*                  |
| Information Required of <i>Objections</i> Per District's Notice  | Information Provided? |
| (4) Indicates the submission is an Objection   | No                    |
| (5) Specifies the grounds for alleging noncompliance with Proposition 218 (Article XIII D of the California Constitution). | No                    |
| Received by the District by mail or delivered in person by 11:59 p.m. on Monday, June 2, 2025.                             | Yes                   |

\*Most but not all of the submissions included signatures.

## District Responses:

**The proposed changes to the District's Fiscal Year 2026 and 2027 rates and charges are necessary to meet the District's proposed Biennial Budget for Fiscal Year 2026 and 2027.** As discussed in the memorandum of the General Manager dated March 20, 2025, which is included as part of the Board packet for the March 25, 2025 Budget Workshop #2 and is publicly available at [ebmud.com/rates](http://ebmud.com/rates), the proposed rates for FY 2026 and FY 2027 are calculated to generate the revenues needed to recover costs detailed in the District's proposed FY 2026/FY 2027 Biennial Budget (also available at [ebmud.com/rates](http://ebmud.com/rates)).

**The Elevation Surcharge recovers costs associated with pumping plants serving portions of the water service area at elevations that cannot be served without pumping.** Within the District's water service areas, locations at or above approximately 200 feet above sea level cannot be served without pumping. The elevation bands (Bands 1, 2 and 3) and the basis for the Elevation Surcharge are detailed in Appendix G of the 2025 Water COS Rate Study.

To the extent the authors make additional comments outside of the scope of Proposition 218 and Government Code section 53759.1, no additional responses are warranted here.

Chair  
East Bay Municipal Utility District  
P.O. Box 24055  
Oakland, CA 94623



Dear Sir/Madam:

I write in opposition to the continuation of the EBMUD policy of charging an "Elevation Surcharge" on the water bills of those of us who live in the Magee Ranch subdivision of Danville.

That Elevation Surcharge adds roughly 20% to our bills. For example, in the period from January 11 -March 13, 2025, the charge was \$84 on a bill of \$409. In your proposal for yet another substantial increase, that elevation surcharge would increase to \$105.08 for 37 units of usage. This amounts to an increase of over 25% by 2027!

In addition to the ill-advised Elevation Surcharge, the rate for 37 units will increase from the \$254.59 on this bill to \$300.75, an increase of \$46.16, or over 18%.

For those of us who pay the Elevation Surcharge that means that our water usage for 37 units (excluding the meter charge) will increase from \$338.38 to over \$405, not including the water meter charge, which is impossible to compute from the information provided. This is an increase of over \$66 for usage even before the heat and dryness of summer.

Because we are "taxed" an elevation charge, even though we are less than 850 feet above sea level, we will pay that \$66 increase while those who are below some magic election would incur about a \$46 increase. Eight hundred feet is not a high elevation; as a comparison, Mt. Diablo is about 4,000 feet high. When summer and high temperatures arrive, the penalty for living at 850 feet or so will be well above hundreds of dollars per billing period.

What are the rules for what is considered a high elevation? Homes facing this charge incur a significant penalty. What is the actual cost of pumping and what qualifies as an elevation? We are double charged merely because the topography of the EBMUD district is not a flat plane. Various governmental entities authorized that homes could be built at our location, likely not knowing that EBMUD would penalize homeowners with what amounts to double increase.

(Signed homeowner)

[Redacted signature]

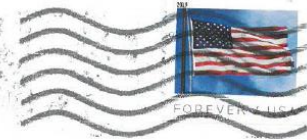
Wendy Albert



Mrs. Wendy M Albert  
[REDACTED]  
Danville, CA 94506-1915

OAKLAND CA 945

31 MAY 2025 PM 6 L



*Validated*

EBMUD  
ATTN: Director of Finance, MS218  
PO BOX 24055  
Oakland, CA 94623

94623-105555



Wednesday, May 14, 2025



1

East Bay Municipal Utility District  
P.O. Box 24055  
Oakland, CA 94623

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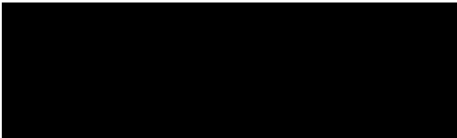


Wednesday, May 14, 2025

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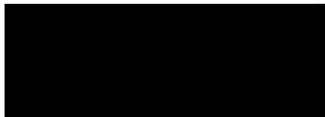
Respectfully, please remove the 'election increase' that we have been penalized for all these years.



Debbie Anzilotti



Danville, CA 94506



THE ANZILOTTIS

Danville, CA 94506

OAKLAND CA 946

15 MAY 2025 PM 5 L



EBMUD  
Attn: Director of Finance, MS218  
~~1440 14th Street~~ P.O. Box 24055  
Oakland, CA  
94623

94623-105555



Chair  
East Bay Municipal Utility District  
P.O. Box 24055  
Oakland, CA 94623



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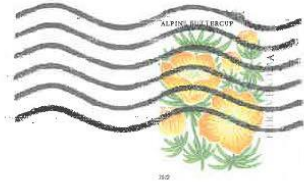
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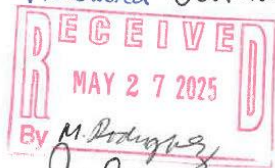
[Redacted Signature]  
Lauren Banahan

OAKLAND CA 945  
23 MAY 2025 PM 6 L



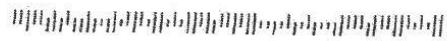
Chair  
East Bay Municipal Utility District  
P.O. BOX 24055

Validated Oakland, CA



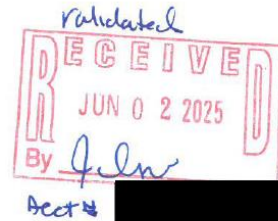
94623

94623-105555



May 29, 2025

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East Bay Municipal Utility District  
P.O. Box 24055  
Oakland, CA 94623



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Sincerely,

[Redacted signature]

Frank Chao  
Magee Ranch Homeowner  
[Redacted address]  
Danville, Ca. 94506

Frank chao



Danville, CA. 94506



EBMUD

Attn: Director of Finance, MS218

P.O. Box 24055

Oakland, CA 94623

94623-105555

Retail



94623

RDC 99

U.S. POSTAGE PAID  
FCM LETTER  
DANVILLE, CA 94526  
MAY 29, 2025

**\$0.73**

S2322K500641-11



May 29, 2025

Chair  
East Bay Municipal Utility District  
P.O. Box 24055  
Oakland, CA 94623



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Sincerely,

[Redacted signature]

Mihye Hwang-Chao  
Magee Ranch Homeowner

[Redacted address]  
Danville, Ca. 94506

Mihye Hwang - Chao

[REDACTED]  
Danville, CA. 94506



ERBMUD  
Attn: Director of Finance, MS 218  
P.O. Box 24055  
Oakland, CA 94623

Retail



94623

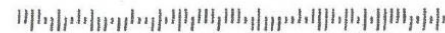
RDC 99

U.S. POSTAGE PAID  
FCM LETTER  
DANVILLE, CA 94526  
MAY 29, 2025

**\$0.73**

S2322K500641-11

94623-105555



May 22, 2025



Chair

East Bay Municipal Utility District

P.O. Box 24055

Oakland, CA 94623

Dear Sir/Madam:

I write in opposition to the continuation of the EBMUD policy of charging an "Elevation Surcharge" on the water bills of those of us who live in the Magee Ranch subdivision of Danville. I am a former chair of the Magee Ranch HOA.

That Elevation Surcharge adds roughly 20% to our bills. For example, in the period from January 11 -March 13, 2025, the charge was \$84 on a bill of \$409. In your proposal for yet another substantial increase, that elevation surcharge would increase to \$105.08 for 37 units of usage. This amounts to an increase of over 25% by 2027!

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Sincerely,

[REDACTED]

Christopher T. Cross

[REDACTED]

Danville, CA 94506

Cell: [REDACTED]

Email: [REDACTED]



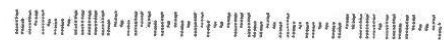
OAKLAND CA 945  
21 MAY 2025 PM 5 L



*Validated*  
**RECEIVED**  
MAY 27 2025  
By *M. Rodriguez*  
*Jos* ✓

CHAIR  
EAST BAY MUNICIPAL UTILITY DISTRICT  
P.O. BOX 24055  
Oakland, CA 94623

94623-105555

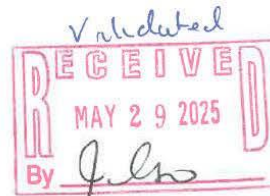


Chair

East Bay Municipal Utility District

P.O. Box 24055

Oakland, CA 94623



Dear Sir/Madam:

I'm writing to express my strong opposition to the continued "Elevation Surcharge" that appears on our water bills here in Magee Ranch, Danville, CA 94506.

This extra charge makes our bills significantly higher than those of other residents, simply because of our location. From what I understand, the surcharge adds a large amount to each bill and is expected to increase even more in the coming years. When combined with regular rate hikes, this results in a much heavier financial burden for families living in slightly higher areas — even though we are only around **850 feet above sea level**, which is not a particularly high elevation.

I would like to ask:

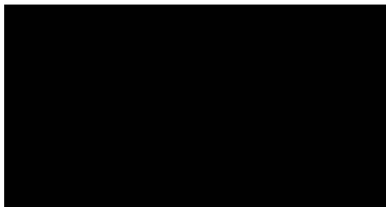
- How does EBMUD define a "high elevation"?
- What is the actual cost of pumping water to our neighborhood?
- Why are homeowners penalized for topography that is beyond their control?

These homes were legally built with government approval. We were never informed that EBMUD would charge extra for elevation. This surcharge feels unreasonable and unfair.

Please reconsider this policy.

Sincerely,

Magee Ranch Homeowner



Y. Gao

*5/22/2025*



From

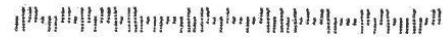
Rosal Davila  
CA 94506

OAKLAND CA 945  
27 MAY 2025 PM 5 L



EBMUD  
ATTN: Director of Finance, MS218  
P.O. Box 24055  
Oakland, CA 94623

94623-105555

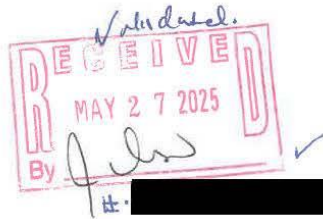


C-20

Elizabeth Gary

Danville, CA 94506

Chair  
East Bay Municipal Utility District  
P.O. Box 24055  
Oakland, CA 94623



Dear Sir/Madam:

I am a homeowner in Magee Ranch. I write in opposition to the continuation of the EBMUD policy of charging an "Elevation Surcharge" on the water bills to those of us who live in the Magee Ranch subdivision of Danville.

That Elevation Surcharge adds roughly 20% to our bills. For example, in the period from January 11 -March 13, 2025, the charge was \$84 on a bill of \$409. In your proposal for yet another substantial increase, that elevation surcharge would increase to \$105.08 for 37 units of usage. This amounts to an increase of over 25% by 2027!

In addition to the ill-advised Elevation Surcharge, the rate for 37 units will increase from the \$254.59 on this bill to \$300.75, an increase of \$46.16, or over 18%.

For those of us who pay the Elevation Surcharge that means that our water usage for 37 units (excluding the meter charge) will increase from \$338.38 to over \$405, not including the water meter charge, which is impossible to compute from the information provided. This is an increase of over \$66 for usage even before the heat and dryness of summer.

Because we are "taxed" an elevation charge, even though we are less than 850 feet above sea level, we will pay that \$66 increase while those who are below some magic elevation would incur about a \$46 increase. Eight hundred feet is not a high elevation; as a comparison, Mt. Diablo is about 4,000 feet high. When summer and high temperatures arrive, the penalty for living at 850 feet or so will be well above hundreds of dollars per billing period.

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Thank you for your consideration of this. I look forward to receive a response.

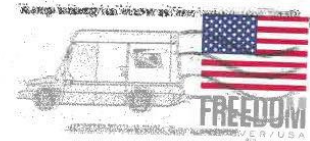
E. Gary

cc: California Public Utilities Commission

Elizabeth Gary

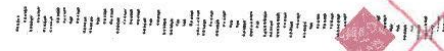
[REDACTED]  
Danville, CA 94506

OAKLAND CA 945  
24 MAY 2025 PM 5 L

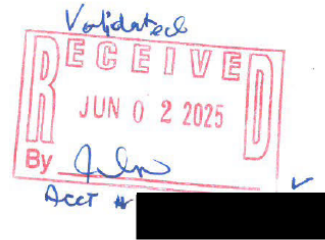


**EBMUD**  
**ATTN: Director of Finance, MS218**  
P.O. Box 24055  
Oakland, CA 94623

94623-105555



May 27, 2025



Chair  
East Bay Municipal Utility District  
P.O. Box 24055  
Oakland, Ca 94623

Dear Sir/Madam:

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Sincerely,

Richard and Cynthia Gobbell  
Magee Ranch Residents

Richard and Cynthia Gobbell

[REDACTED]  
Danville, CA 94506

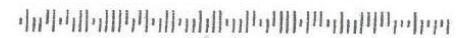
OAKLAND CA 945

29 MAY 2025 PM-4 L



EBMUD  
Director of Finance, MS218  
P.O. Box 24055  
Oakland, CA 94623

94623-105555



Chair  
East Bay Municipal Utility District  
P.O. Box 24055  
Oakland, CA 94623



Dear Sir/Madam:

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(Signed homeowner)

A large black rectangular redaction box covering the signature of the homeowner.

*May 16, 2025*  
*5/16/25*

E. Hilberg and S. Hilberg



Hilberg

[REDACTED]  
Danville CA 94506

OAKLAND CA 945

17 MAY 2025 PM 5 L

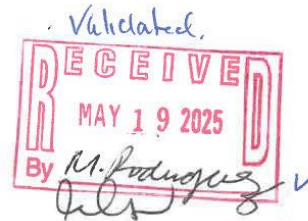


EBMUD

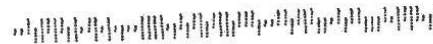
ATTN: Director of Finance MS218

P.O. Box 24055

Oakland CA 94623



94623-105555



Chair  
East Bay Municipal Utility District  
P.O. Box 24055  
Oakland, CA 94623



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[Redacted]  
[Redacted]  
Danville, CA 94506

C. Jackson

[Redacted]  
Pamille, CA 94506

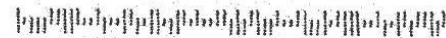
OAKLAND CA 945  
21 MAY 2025 PM 5 L



Validated  
**RECEIVED**  
MAY 27 2025  
By M. Rodriguez ✓  
Jilms

Chair  
East Bay Municipal Utility District  
P.O. Box 24055  
Oakland, CA 94623

94623-105555



Chair  
East Bay Municipal Utility District  
P.O. Box 24055  
Oakland, CA 94623



May 28, 2025

Dear Sir/Madam:

I write in opposition to the continuation of the EBMUD policy of charging an "Elevation Surcharge" on the water bills of those of us who live in the Magee Ranch subdivision of Danville.

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Sincerely,

[Redacted signature area]

K. Gap

*Signature*



Gap H. Kim  
[Redacted]  
Danville, CA 94506

OAKLAND CA 945

31 MAY 2025 PM 6 L



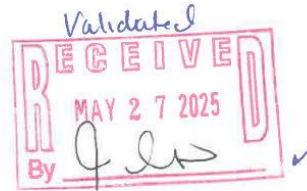
EAST BAY MUNICIPAL UTILITY DISTRICT  
P.O. BOX 24055  
OAKLAND, CA 94623

94623-105555





Chair  
East Bay Municipal Utility District  
P.O. Box 24055  
Oakland, CA 94623



Dear Sir/Madam:

I write in opposition to the continuation of the EBMUD policy of charging an "Elevation Surcharge" on the water bills of those of us who live in the Magee Ranch subdivision of Danville.

RBC Wealth Management  
Affiliated with John Magee &  
Magee Ranch.  
at [REDACTED]

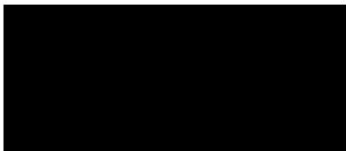
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Justin Klueger



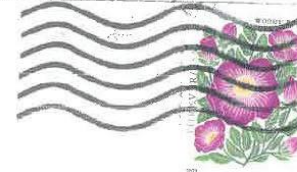


Wealth  
Management

San Francisco, CA 94104-2642

OAKLAND CA 945

23 MAY 2025 PM 7 L



Validated

RECEIVED

MAY 27 2025

By U. Rodriguez

film

EAST BAY MUNICIPAL UTILITY DISTRICT

✓ c/o CHAIR

PO BOX 24055

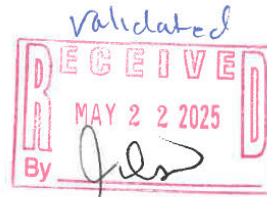
OAKLAND, CA 94623

94623-105555



C-32

Chair  
East Bay Municipal Utility District  
P.O. Box 24055  
Oakland, CA 94623



Dear Sir/Madam:

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Jeff McAnelly



Danville, CA 94506

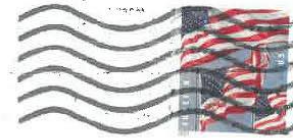
McAnally

[REDACTED]  
Danville, CA 94506



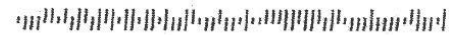
OAKLAND, CA 945

20 MAY 2025 PM 6 L

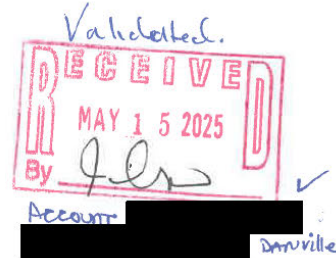


Chair  
East Bay Municipal Utility District  
P.O. Box 24055  
Oakland, CA 94623

94623-105555



Attn:  
East Bay Municipal Utility District  
P.O. Box 24055  
Oakland, CA 94623



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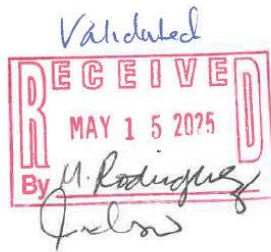
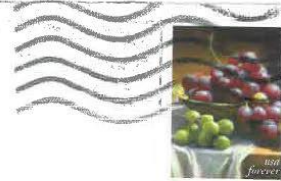
Sincerely,

Michael J. Motto  
Principal  
MJM & Associates, LLC  
[Redacted Signature]

Michael Motto  
Danville, CA 94506

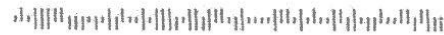
OAKLAND CA 945

13 MAY 2025 PM 7 L



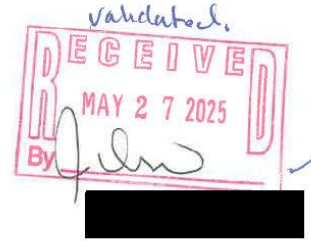
EBMUD  
Attn: Director of Finance  
MS218  
P.O. Box 24055  
Oakland, CA 94623

34623-105555



C-36

East Bay Municipal Utility District  
P.O. Box 24055  
Oakland, CA 94623



Dear Sir/Madam:

I am writing to you because I am in opposition to the continuation of the EBMUD policy of charging an "Elevation Surcharge" on the water bills of Magee Ranch (a subdivision of Danville). Already, the Elevation Surcharge adds roughly 20% to our water bills. I the recent period, from January 11 -March 13, 2025, the charge was \$84 on a bill of \$409.

In your proposal for yet another substantial increase, that elevation surcharge would increase to \$105.08 for 37 units of usage. This amounts to an increase of over 25% by 2027. In addition to the ill-advised Elevation Surcharge, the rate for 37 units will increase from the \$254.59 on this bill to \$300.75, an increase of \$46.16, or over 18%.

For those of us who pay the Elevation Surcharge that means that our water usage for 37 units (excluding the meter charge) will increase from \$338.38 to over \$405, not including the water meter charge, which is impossible to compute from the information provided. This is an increase of over \$66 for usage even before the heat and dryness of summer.

Because we are "taxed" an elevation charge, even though we are less than 850 feet above sea level, we will pay that \$66 increase while those who are below some magic elevation would incur about a \$46 increase. Eight hundred feet is not a high elevation; as a comparison, Mt. Diablo is about 4,000 feet high. When summer and high temperatures arrive, the penalty for living at 850 feet or so will be well above hundreds of dollars per billing period.

What are the rules for what is considered a high elevation? Homes facing this charge incur a significant penalty. What is the actual cost of pumping and what qualifies as an elevation? We are double charged merely because the topography of the EBMUD district is not a flat plane. Various governmental entities authorized that homes could be built at our location, likely not knowing that EBMUD would penalize homeowners with what amounts to double increase.

Respectfully,

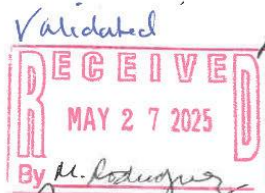
Frank Palantoni



C-38

Zwas - Palantoni

Danville, CA 94506

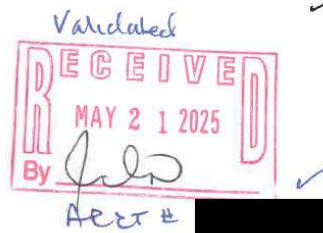


*fil* ✓

EBMUD  
ATTN: Director of Finance, MS 218  
P.O. BOX 24055  
OAKLAND, CA 94623

9462381055 B014

East Bay Municipal Utility District  
P.O. Box 24055  
Oakland, CA 94623



Dear Sir/Madam:

I write in opposition to the continuation of the EBMUD policy of charging an "Elevation Surcharge" on the water bills of those of us who live in the Magee Ranch subdivision of Danville.

That Elevation Surcharge adds roughly 20% to our bills. For example, in the period from January 11 -March 13, 2025, the charge was \$84 on a bill of \$409. In your proposal for yet another substantial increase, that elevation surcharge would increase to \$105.08 for 37 units of usage. This amounts to an increase of over 25% by 2027!

In addition to the ill-advised Elevation Surcharge, the rate for 37 units will increase from the \$254.59 on this bill to \$300.75, an increase of \$46.16, or over 18%.

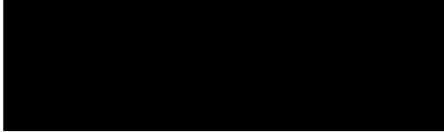
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What are the rules for what is considered a high elevation? Homes facing this charge incur a significant penalty. What is the actual cost of pumping and what qualifies as an elevation? We are double charged merely because the topography of the EBMUD district is not a flat plane.

Various governmental entities authorized that homes could be built at our location, likely not knowing that EBMUD would penalize homeowners with what amounts to double increase.

Sincerely,



Cheri Russell  
(Home Owner)



  
The Russell's  
[Redacted]  
Danville, CA 94506

  
**RECEIVED**  
MAY 21 2025  
By 

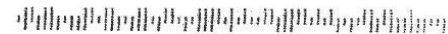
EBMUD  
Attn: Director of Finance MS218  
P.O. Box 24055  
Oakland, CA 94623

94623-105555

OAKLAND CA 945

19 MAY 2025

**RECEIVED**  
MAY 21 2025  
By 



Daniel G. Simpson  
Laura A. Simpson

[REDACTED]  
Danville, CA 94506



May 30, 2025

Chair  
East Bay Municipal Utility District  
P.O. Box 24055  
Oakland, CA 94623

Dear Sir/Madam:

I write in opposition to the continuation of the EBMUD policy of charging an "Elevation Surcharge" on the water bills of those of us who live in the Magee Ranch subdivision of Danville.

That Elevation Surcharge adds roughly 20% to our bills. For example, in the period from January 11 to March 13, 2025, the charge was \$84 on a bill of \$409. In your proposal for yet another substantial increase, that elevation surcharge would increase to \$105.08 for 37 units of usage. This amounts to an increase of over 25% by 2027.

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What are the rules for what is considered a high elevation? Homes facing this charge incur a significant penalty. What is the actual cost of pumping and what qualifies as an elevation? We are double charged merely because the topography of the EBMUD district is not a flat plane. Various governmental entities authorized that homes could be built at our location, likely not knowing that EBMUD would penalize homeowners with what amounts to double increase.

Sincerely,

[REDACTED]  
Daniel G. Simpson

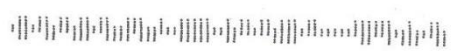
[REDACTED]  
Laura A. Simpson



Validated  
**RECEIVED**  
JUN 2 - 2025  
By PT [signature]

EBMUD  
PO Box 24055  
Oakland, CA 94623

Attn: Director of Finance





Last Name of Submission Author(s): F. Benavides

Service Address City and Zip Code: Moraga CA 94556

Date received by District: April 28, 2025

| Information Required of Protests Per District's Notice   | Information Provided? |
|--|-----------------------|
| (1) States the specific rate change for which the Protest is being submitted   | Yes                   |
| (2) Provides the location of the parcel (by customer account number, street address, or assessor's parcel number)          | Yes                   |
| (3) Includes the name and signature of the party submitting the Protest.   | Yes                   |
| Information Required of <i>Objections</i> Per District's Notice  | Information Provided? |
| (4) Indicates the submission is an Objection   | No                    |
| (5) Specifies the grounds for alleging noncompliance with Proposition 218 (Article XIII D of the California Constitution). | No                    |
| Received by the District by mail or delivered in person by 11:59 p.m. on Monday, June 2, 2025.                             | Yes                   |

The submission included commentary about wastewater rates and charges. The District notes that the author's service address is outside of the wastewater service area.

### District Responses:

**The proposed changes to the District's Fiscal Year 2026 and 2027 rates and charges are necessary to meet the District's proposed Biennial Budget for Fiscal Year 2026 and 2027.** As discussed in the memorandum of the General Manager dated March 20, 2025, which is included as part of the Board packet for the March 25, 2025 Budget Workshop #2 and is publicly available at [ebmud.com/rates](http://ebmud.com/rates), the proposed rates for FY 2026 and FY 2027 are calculated to generate the revenues needed to recover costs detailed in the District's proposed FY 2026/FY 2027 Biennial Budget (also available at [ebmud.com/rates](http://ebmud.com/rates)).

**The District is a public, not-for-profit water agency and complies with all laws related to transparency, public information, and financial reporting.** District Board meetings are open to the public. See [www.ebmud.com/board-meetings](http://www.ebmud.com/board-meetings) for information about past and upcoming Board meetings and how to provide public comment. Recent meetings of the District's Board of

Directors where the proposed FY 2026/2027 rates and/or the proposed FY 2026/2027 Biennial Budget have been agendaized include:

- May 13, 2025 Board of Directors Meeting
- March 25, 2025 Budget Workshop #2
- January 28, 2025 Budget Workshop #1
- November 26, 2024 Infrastructure Workshop

Materials from these meetings are available at [www.ebmud.com/rates](http://www.ebmud.com/rates).

The District's audited financial statements are publicly available at [www.ebmud.com/about-us/financial-information/financial-reports](http://www.ebmud.com/about-us/financial-information/financial-reports).

To the extent the author makes additional comments outside of the scope of Proposition 218 and Government Code section 53759.1, no additional responses are warranted here.

**Francisco Benavides**

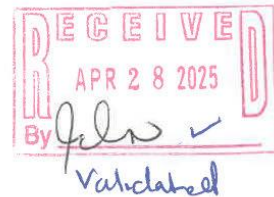
Moraga, CA 94556

Parcel Number

**Date:** April 24, 2025

*owner*

*for mail do not include -1*



**To:**

Director of Finance

East Bay Municipal Utility District (EBMUD)

MS 218, P.O. Box 24055

Oakland, CA 94623-1055

**Subject:** Protest Against Proposed Water and Wastewater Rate Increases (Effective FY2026 and FY2027)

Dear Director of Finance,

As a resident of the East Bay and a customer of EBMUD, I am writing to formally protest **all proposed increases** in water and wastewater rates for single-family residential dwellings as outlined in your notice mailed April 2025. This protest covers rate changes proposed for FY2026 and FY2027, including:

- **Potable water:** the monthly service charge, water flow charge, and elevation surcharge.
- **Wastewater:** the service, flow, and strength charges, as well as the annual wet weather facilities charge.

While I understand EBMUD's need to modernize infrastructure and meet environmental regulations, I strongly oppose this rate proposal for the following reasons:

**1. Already Excessive Costs in the Region**

East Bay residents pay among the highest utility rates in the nation. These new increases—layered on top of already steep charges—are disproportionate and insensitive to the economic strain felt by many households amid inflation, high housing costs, and stagnant wages.

**2. Lack of Transparent Evaluation of Alternatives**

EBMUD has not demonstrated that it has explored viable alternatives to across-the-board rate increases. The absence of a public-facing analysis comparing options such as federal/state grants, infrastructure bonds, or internal efficiencies suggests a troubling lack of fiscal creativity and accountability.

3. **Inequitable Cost Distribution**

The proposed increases appear to shift a greater share of the cost burden onto residential customers, while many commercial and industrial users—who arguably place more strain on the system—face relatively modest increases. This imbalance is unjustifiable and raises equity concerns.

In particular, the **Wet Weather Facilities Charge**—based solely on lot size—fails to account for actual stormwater impact or improvements already made by property owners to mitigate runoff, such as permeable landscaping.

Given these concerns, I respectfully urge the Board to **reject** the proposed increases and commit to greater transparency and public engagement in financial planning.

Sincerely,

A solid black rectangular box used to redact the signature of Francisco Benavides.

**Francisco Benavides**



The Remanider Castano  
Moraga, CA 94556



OAKLAND CA 945

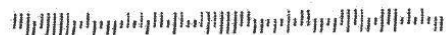
24 APR 2025 PM 6 L

Keep Safety in View as We Drive for You!



DIRECTOR OF FINANCE  
EAST BAY MUNICIPAL UTILITY DISTRICT  
MS 218, P.O. BOX 24055  
OAKLAND, CA 94623-1055

94623-105555



Last Name of Submission Author(s): J. Castel

Service Address City and Zip Code: Lafayette CA 94549

Date received by District: April 22, 2025

| Information Required of Protests Per District's Notice   | Information Provided? |
|--|-----------------------|
| (1) States the specific rate change for which the Protest is being submitted   | Yes                   |
| (2) Provides the location of the parcel (by customer account number, street address, or assessor's parcel number)          | Yes                   |
| (3) Includes the name and signature of the party submitting the Protest.   | Yes                   |
| Information Required of <i>Objections</i> Per District's Notice  | Information Provided? |
| (4) Indicates the submission is an Objection   | No                    |
| (5) Specifies the grounds for alleging noncompliance with Proposition 218 (Article XIII D of the California Constitution). | No                    |
| Received by the District by mail or delivered in person by 11:59 p.m. on Monday, June 2, 2025.                             | Yes                   |

### District Responses:

**The proposed changes to the District's Fiscal Year 2026 and 2027 rates and charges are necessary to meet the District's proposed Biennial Budget for Fiscal Year 2026 and 2027.** As discussed in the memorandum of the General Manager dated March 20, 2025, which is included as part of the Board packet for the March 25, 2025 Budget Workshop #2 and is publicly available at [ebmud.com/rates](http://ebmud.com/rates), the proposed rates for FY 2026 and FY 2027 are calculated to generate the revenues needed to recover costs detailed in the District's proposed FY 2026/FY 2027 Biennial Budget (also available at [ebmud.com/rates](http://ebmud.com/rates)).

To the extent the author makes additional comments outside of the scope of Proposition 218 and Government Code section 53759.1, no additional responses are warranted here.





April 22, 2025

EBMUD  
ATTN: Director of Finance, MS 218  
P.O. Box 24055  
Oakland, CA 94623-1055

Dear Director,

I am protesting the proposed Water Flow Charge rate change. It is very expensive as it is and the tiered system makes it even more expensive. I urge the Board not to adopt the proposed changes.

Sincerely,

[Redacted signature]

Jim Castel

[Redacted address line]

Lafayette, CA 94549

[Redacted address line]



OAKLAND CA 945  
22 APR 2025 PM 7 L



EBMUD

Attn: Director of Finance, MS 218

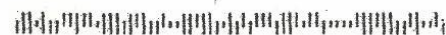
P.O. Box 24055

Oakland, CA 94623-1055



*G. Caldwell* - Validated

94623-105555



Last Name of Submission Author(s): E. Cornejo, M. Cornejo

Service Address City and Zip Code: San Leandro CA 94579

Date received by District: April 25, 2025

| Information Required of Protests Per District's Notice   | Information Provided? |
|--|-----------------------|
| (1) States the specific rate change for which the Protest is being submitted   | Yes                   |
| (2) Provides the location of the parcel (by customer account number, street address, or assessor's parcel number)          | Yes                   |
| (3) Includes the name and signature of the party submitting the Protest.   | Yes                   |
| Information Required of <i>Objections</i> Per District's Notice  | Information Provided? |
| (4) Indicates the submission is an Objection   | No                    |
| (5) Specifies the grounds for alleging noncompliance with Proposition 218 (Article XIII D of the California Constitution). | No                    |
| Received by the District by mail or delivered in person by 11:59 p.m. on Monday, June 2, 2025.                             | Yes                   |

The submission included commentary about wastewater rates and charges. The District notes that the author's service address is outside of the wastewater service area.

### District Responses:

**The proposed changes to the District's Fiscal Year 2026 and 2027 rates and charges are necessary to meet the District's proposed Biennial Budget for Fiscal Year 2026 and 2027.** As discussed in the memorandum of the General Manager dated March 20, 2025, which is included as part of the Board packet for the March 25, 2025 Budget Workshop #2 and is publicly available at [ebmud.com/rates](http://ebmud.com/rates), the proposed rates for FY 2026 and FY 2027 are calculated to generate the revenues needed to recover costs detailed in the District's proposed FY 2026/FY 2027 Biennial Budget (also available at [ebmud.com/rates](http://ebmud.com/rates)).

To the extent the authors make additional comments outside of the scope of Proposition 218 and Government Code section 53759.1, no additional responses are warranted here.

Enrique & Maria L Cornejo  
[REDACTED]  
San Leandro, CA 94579-1006



April 21, 2025

EBMUD  
ATTN: Director of Finance, MS 218  
PO Box 24055  
Oakland, CA 94607-4240

RE: Written Protest Letter / Proposed Water **and** Wastewater Rate Increase including monthly service charge, waterflow charge & elevation surcharge

Dear EBMUD:

We, Enrique & Maria L Cornejo oppose the proposed incremental rate increase (beginning 2025 to 2027) for the following parcel:

EBMUD Account Number [REDACTED]

Parcel Number [REDACTED]

Property Location: [REDACTED] San Leandro

Assessed To: Enrique & Maria L Cornejo

As costs skyrocket in California, it's very important that our utility companies assess current financial resources and **budget accordingly** vs. continuously ask for more rate increases from homeowners who are already stretched thin and being taken advantage of by other utilities, insurance companies and state/city mandates.

Sincerely,  
[REDACTED]

Enrique & Maria L Cornejo

C-54

Cornejo

San Leandro, CA. 94579-1006

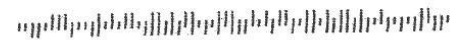


94623-105555

OAKLAND CA 945  
23 APR 2025 PM 6 L



EBMUD  
ATTN: Director of Finance, MS 218  
PO Box 24055  
Oakland, Ca. 94607-4240



Last Name of Submission Author(s): M. Crawley

Service Address City and Zip Code: Oakland CA 94602

Date received by District: May 27, 2025

| Information Required of Protests Per District's Notice   | Information Provided? |
|--|-----------------------|
| (1) States the specific rate change for which the Protest is being submitted   | Yes                   |
| (2) Provides the location of the parcel (by customer account number, street address, or assessor's parcel number)          | Yes                   |
| (3) Includes the name and signature of the party submitting the Protest.   | Yes                   |
| Information Required of <i>Objections</i> Per District's Notice  | Information Provided? |
| (4) Indicates the submission is an Objection   | No                    |
| (5) Specifies the grounds for alleging noncompliance with Proposition 218 (Article XIII D of the California Constitution). | No                    |
| Received by the District by mail or delivered in person by 11:59 p.m. on Monday, June 2, 2025.                             | Yes                   |

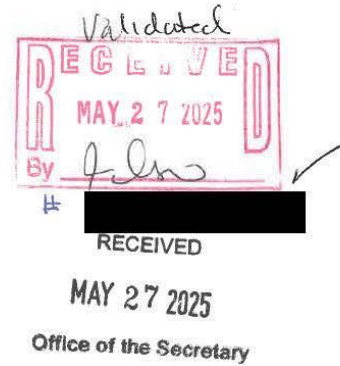
### District Responses:

**The proposed changes to the District's Fiscal Year 2026 and 2027 rates and charges are necessary to meet the District's proposed Biennial Budget for Fiscal Year 2026 and 2027.** As discussed in the memorandum of the General Manager dated March 20, 2025, which is included as part of the Board packet for the March 25, 2025 Budget Workshop #2 and is publicly available at [ebmud.com/rates](http://ebmud.com/rates), the proposed rates for FY 2026 and FY 2027 are calculated to generate the revenues needed to recover costs detailed in the District's proposed FY 2026/FY 2027 Biennial Budget (also available at [ebmud.com/rates](http://ebmud.com/rates)).

To the extent the author makes additional comments outside of the scope of Proposition 218 and Government Code section 53759.1, no additional responses are warranted here.



**EBMUD Board of Directors  
EBMUD Boardroom  
375 11th Street  
Oakland, California, 94607**



**Date: 5/23/25**

**Dear Directors,**

**I protest the proposed EBMUD increase in water rates and  
waste water rates.**

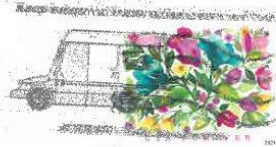
**Sincerely,**

**Marcus Crawley**

**Oakland, CA 94602**

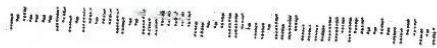
MARC CRAWLEY  
[REDACTED]  
OAKLAND, CA 94602-4157

OAKLAND CA 946  
24 MAY 2025 PM 5 L



*Validated*  
**EBMUD Board of Directors**  
**EBMUD Boardroom**  
**375 11th Street**  
**Oakland, California, 94607**

94607-424099



Last Name of Submission Author(s): D. Dorenz

Service Address City and Zip Code: Berkeley CA 94706

Date received by District: May 1, 2025

| Information Required of Protests Per District's Notice   | Information Provided? |
|--|-----------------------|
| (1) States the specific rate change for which the Protest is being submitted   | Yes                   |
| (2) Provides the location of the parcel (by customer account number, street address, or assessor's parcel number)          | Yes                   |
| (3) Includes the name and signature of the party submitting the Protest.   | Yes                   |
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| (4) Indicates the submission is an Objection   | No                    |
| (5) Specifies the grounds for alleging noncompliance with Proposition 218 (Article XIII D of the California Constitution). | No                    |
| Received by the District by mail or delivered in person by 11:59 p.m. on Monday, June 2, 2025.                             | Yes                   |

### District Responses:

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- March 25, 2025 Budget Workshop #2

- January 28, 2025 Budget Workshop #1
- November 26, 2024 Infrastructure Workshop

Materials from these meetings are available at [www.ebmud.com/rates](http://www.ebmud.com/rates).

The District's audited financial statements are publicly available at [www.ebmud.com/about-us/financial-information/financial-reports](http://www.ebmud.com/about-us/financial-information/financial-reports).

To the extent the author makes additional comments outside of the scope of Proposition 218 and Government Code section 53759.1, no additional responses are warranted here.

To EMUD Director of Finance MS 218

From Dorothea Dorenz

[REDACTED] Berkeley, Ca 94706

EBMUD account Number: [REDACTED]



April 27, 2025

As the property owner of [REDACTED] Berkeley , Ca 94706. I am in opposition to the following rate increases: Water Service Charge; Water Flow Charge; Water Strength Charge; Wastewater Service for Single family residential residential with 2-4 dwellings Annual Wet Weather Facilities Charge for the years 2026 and 2027.

I oppose the increases in EBMUD fees for the following reasons:

EBMUD INCREASED ITS RATES RECENTLY

EBMUD IS MAKING IT HARDER AND HARDER FOR PEOPLE TO REMAIN IN BERKELEY AND PAY ALL OF THESE HIGH BILLS

EBMUD IS NOT ALONE IN RAISING ITS RATES. PG&E IS ALSO RAISING ITS RATES FREQUENTLY WHICH IS CONTRIBUTING TO THE DIFFICULTY IN REMAINING HOUSED IN THE BAY AREA

WHEN RAISING RATES, EBMUD SHOULD TAKE INTO CONSIDERATION THE OTHER RATES THAT ARE GOING UP LIKE PG&E, PROPERTY TAX INCREASES PASSED BY VOTE IN BERKELEY, INFLATION OF FOOD AND MANY OTHER COSTS INCLUDING HEALTH CARE, AND HOME MAINTENANCE. MANY PEOPLE ARE NOT ON SSI OR OTHER LOW INCOME PROGRAMS BECAUSE THEY DON'T QUALIFY, BUT ARE ACTUALLY LOW INCOME ENOUGH TO MAKE AFFORDING TO LIVE IN BERKELEY MORE AND MORE DIFFICULT.

EBMUD NEEDS TO FIND WAYS TO CUT COSTS AND PERFORM AN AUDIT BY AN OUTSIDE ORGANIZATION TO FIND OUT WHERE WASTE IS HAPPENING.

EBMUD IS A MONOPOLY THAT CAN EASILY TAKE ADVANTAGE OF ITS CUSTOMERS AND WE DON'T KNOW IF IT IS DOING THAT OR NOT. AN AUDIT WILL FIND OUT.

THANKS.

DOROTHEA DORENZ  
[REDACTED]

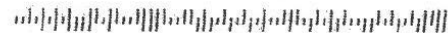


OAKLAND CA 945  
29 APR 2025 PM 6 L



EBMUD Director of Finance  
MS 218  
PO Box 24055  
Oakland, Ca 94623-1055

94623-105555





Last Name of Submission Author(s): J. Eckloff

Service Address City and Zip Code: San Leandro CA 94578

Date received by District: April 17, 2025

| Information Required of Protests Per District's Notice   | Information Provided? |
|--|-----------------------|
| (1) States the specific rate change for which the Protest is being submitted   | Yes                   |
| (2) Provides the location of the parcel (by customer account number, street address, or assessor's parcel number)          | Yes                   |
| (3) Includes the name and signature of the party submitting the Protest.   | Yes                   |
| Information Required of <i>Objections</i> Per District's Notice  | Information Provided? |
| (4) Indicates the submission is an Objection   | No                    |
| (5) Specifies the grounds for alleging noncompliance with Proposition 218 (Article XIII D of the California Constitution). | No                    |
| Received by the District by mail or delivered in person by 11:59 p.m. on Monday, June 2, 2025.                             | Yes                   |

The submission included commentary about wastewater rates and charges. The District notes that the author's service address is outside of the wastewater service area.

### District Responses:

**The proposed changes to the District's Fiscal Year 2026 and 2027 rates and charges are necessary to meet the District's proposed Biennial Budget for Fiscal Year 2026 and 2027.** As discussed in the memorandum of the General Manager dated March 20, 2025, which is included as part of the Board packet for the March 25, 2025 Budget Workshop #2 and is publicly available at [ebmud.com/rates](http://ebmud.com/rates), the proposed rates for FY 2026 and FY 2027 are calculated to generate the revenues needed to recover costs detailed in the District's proposed FY 2026/FY 2027 Biennial Budget (also available at [ebmud.com/rates](http://ebmud.com/rates)).

To the extent the author makes additional comments outside of the scope of Proposition 218 and Government Code section 53759.1, no additional responses are warranted here.

April 14th 2025

To: EBMUD Director of Finance,



I'm writing to **protest** the changes to water and wastewater rates; the monthly service charge, water flow charge and elevation surcharge rate increase.

Sincerely,  
Jennifer Eckloff



San Leandro, Ca 94578

Act 12



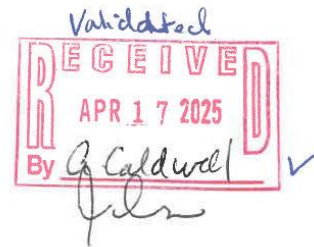
Keep Safety in View as We Drive the Road

OAKLAND CA 945

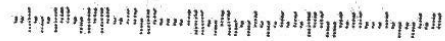
15 APR 2025 PM 5 L



EBMUD  
ATTN: Director of Finance  
ms 218  
PO Box 24055  
Oakland, CA 94623-1055



94623-10555





Ms. Jennifer Eckloff  
[REDACTED]  
San Leandro, CA 94578-1135

Last Name of Submission Author(s): A. Frankel

Service Address City and Zip Code: Oakland CA 94618

Date received by District: May 27, 2025

| Information Required of Protests Per District's Notice   | Information Provided? |
|--|-----------------------|
| (1) States the specific rate change for which the Protest is being submitted   | No                    |
| (2) Provides the location of the parcel (by customer account number, street address, or assessor's parcel number)          | Yes                   |
| (3) Includes the name and signature of the party submitting the Protest.   | Yes                   |
| Information Required of <i>Objections</i> Per District's Notice  | Information Provided? |
| (4) Indicates the submission is an Objection   | No                    |
| (5) Specifies the grounds for alleging noncompliance with Proposition 218 (Article XIII D of the California Constitution). | No                    |
| Received by the District by mail or delivered in person by 11:59 p.m. on Monday, June 2, 2025.                             | Yes                   |

### District Responses:

**The proposed changes to the District's Fiscal Year 2026 and 2027 rates and charges are necessary to meet the District's proposed Biennial Budget for Fiscal Year 2026 and 2027.** As discussed in the memorandum of the General Manager dated March 20, 2025, which is included as part of the Board packet for the March 25, 2025 Budget Workshop #2 and is publicly available at [ebmud.com/rates](http://ebmud.com/rates), the proposed rates for FY 2026 and FY 2027 are calculated to generate the revenues needed to recover costs detailed in the District's proposed FY 2026/FY 2027 Biennial Budget (also available at [ebmud.com/rates](http://ebmud.com/rates)).

To the extent the author makes additional comments outside of the scope of Proposition 218 and Government Code section 53759.1, no additional responses are warranted here.

May 23, 2025

East Bay MUD Board  
East Bay Municipal Utility District  
P.O. Box 24055  
Oakland, CA 94623



**Please do not approve increases in water and wastewater rates for 2025-2027**

Oakland residents recognize that clean, clear water is important. However, over time the EBMUD rates have been going up significantly. My EBMUD bills now are more than the cost of gas, electricity and telephone combined.

You may know that insurance rates have spiked and the cost of living in the Bay Area is steep. Water bills here in the EBMUD region are higher than those of friends and family in Colorado, New York, and Florida.

Please consider how you can make efficiencies or savings in maintenance, repair and retrofit projects so that you don't increase our monthly rates again and again.

Sincerely,

[Redacted signature]

Aileen Frankel

[Redacted address line]

Oakland, CA 94618



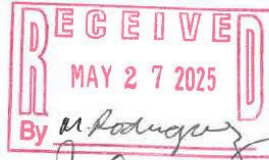


Aileen Frankel  
[Redacted]  
Oakland, CA 94618-2309

OAKLAND CA 94618  
24 MAY 2025 PM 6 L

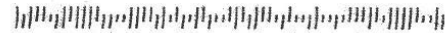


*Valid label.*



*EBMUD Board  
East Bay Municipal Utility District  
P.O. Box 24055  
Oakland, CA 94623*

94623-105555



C-68

Last Name of Submission Author(s): D. Gianni

Service Address City and Zip Code: El Sobrante CA 94803

Date received by District: June 2, 2025

| Information Required of Protests Per District's Notice   | Information Provided? |
|--|-----------------------|
| (1) States the specific rate change for which the Protest is being submitted   | No                    |
| (2) Provides the location of the parcel (by customer account number, street address, or assessor's parcel number)          | Yes                   |
| (3) Includes the name and signature of the party submitting the Protest.   | Yes                   |
| Information Required of <i>Objections</i> Per District's Notice  | Information Provided? |
| (4) Indicates the submission is an Objection   | No                    |
| (5) Specifies the grounds for alleging noncompliance with Proposition 218 (Article XIII D of the California Constitution). | No                    |
| Received by the District by mail or delivered in person by 11:59 p.m. on Monday, June 2, 2025.                             | Yes                   |

The submission included commentary about wastewater rates and charges. The District notes that the author's service address is outside of the wastewater service area.

### District Responses:

**The proposed changes to the District's Fiscal Year 2026 and 2027 rates and charges are necessary to meet the District's proposed Biennial Budget for Fiscal Year 2026 and 2027.** As discussed in the memorandum of the General Manager dated March 20, 2025, which is included as part of the Board packet for the March 25, 2025 Budget Workshop #2 and is publicly available at [ebmud.com/rates](http://ebmud.com/rates), the proposed rates for FY 2026 and FY 2027 are calculated to generate the revenues needed to recover costs detailed in the District's proposed FY 2026/FY 2027 Biennial Budget (also available at [ebmud.com/rates](http://ebmud.com/rates)).

**The District is a public, not-for-profit water agency and complies with all laws related to transparency, public information, and financial reporting.** District Board meetings are open to the public. See [www.ebmud.com/board-meetings](http://www.ebmud.com/board-meetings) for information about past and upcoming Board meetings and how to provide public comment. Recent meetings of the District's Board of

Directors where the proposed FY 2026/2027 rates and/or the proposed FY 2026/2027 Biennial Budget have been agendaized include:

- May 13, 2025 Board of Directors Meeting
- March 25, 2025 Budget Workshop #2
- January 28, 2025 Budget Workshop #1
- November 26, 2024 Infrastructure Workshop

Materials from these meetings are available at [www.ebmud.com/rates](http://www.ebmud.com/rates).

The District's audited financial statements are publicly available at [www.ebmud.com/about-us/financial-information/financial-reports](http://www.ebmud.com/about-us/financial-information/financial-reports).

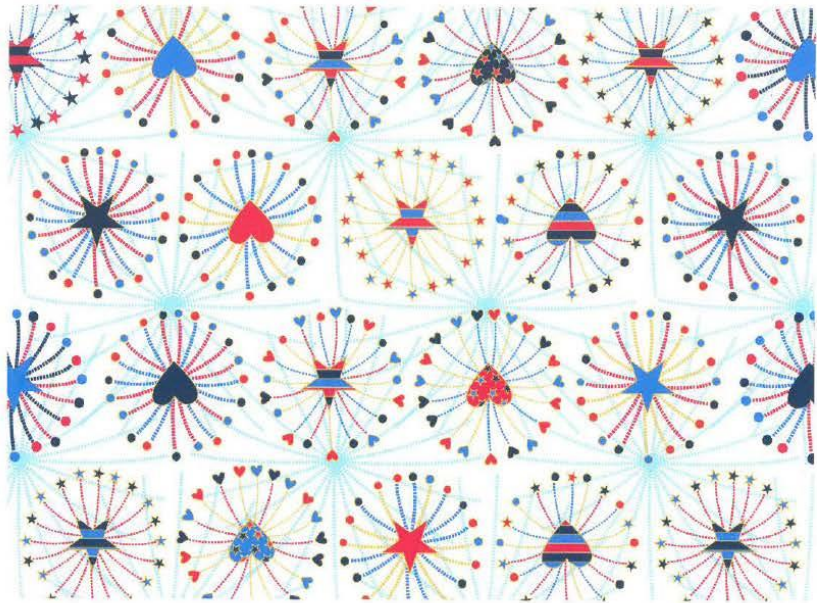
To the extent the author makes additional comments outside of the scope of Proposition 218 and Government Code section 53759.1, no additional responses are warranted here.

May 29, 2025

Director of Finance,

Do not dare to raise my  
water & waste water rates AGAIN, by 13%!  
My social security isn't being raised by  
that amount! I want two questions  
answered: 1) how much taxpayer (aka  
you employer) money was spent on that  
glossy six page brochure, complete with  
pictures, announcing this "proposed water &  
waste water rate increase?" 2) Who audits  
EBMUD and when were you last audited?  
Send me proof of the last audit before  
6/30/25. You are my employee, and  
never forget that. I know that this  
increase will be a 7-0 vote and there's  
not a thing that I can do about it.  
That and the fact that I pay each of  
you a \$1,600 monthly stipend, "approved  
expenses, AND your health and retirement  
benefits for PART TIME employees is reprehens-  
sible. DARN YOU EBMUD!!

[Denise Gianni]



© CPW.  
Courtesy of MHS Licensing.



*I don't think  
the residents, who  
voted to establish  
EBMUD, in 1923,  
would be happy w/ you*

25F1-ROC

Read Don't Toss!



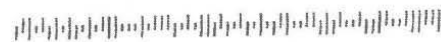


OAKLAND CA 945  
30 MAY 2025 PM 4 L



EBMUD MS218  
Validated ATTN: Director of Finance  
RECEIVED JUN 2 - 2025  
By [signature] ✓  
Box 24055  
Oakland, CA 94623-1055

94623-105555



Last Name of Submission Author(s): S. Gin

Service Address City and Zip Code: San Leandro CA 94577

Date received by District: May 21, 2025

| Information Required of Protests Per District's Notice   | Information Provided? |
|--|-----------------------|
| (1) States the specific rate change for which the Protest is being submitted   | Yes                   |
| (2) Provides the location of the parcel (by customer account number, street address, or assessor's parcel number)          | Yes                   |
| (3) Includes the name and signature of the party submitting the Protest.   | Yes                   |
| Information Required of <i>Objections</i> Per District's Notice  | Information Provided? |
| (4) Indicates the submission is an Objection   | No                    |
| (5) Specifies the grounds for alleging noncompliance with Proposition 218 (Article XIII D of the California Constitution). | No                    |
| Received by the District by mail or delivered in person by 11:59 p.m. on Monday, June 2, 2025.                             | Yes                   |

The submission included commentary about wastewater rates and charges. The District notes that the author's service address is outside of the wastewater service area.

### District Responses:

**The proposed changes to the District's Fiscal Year 2026 and 2027 rates and charges are necessary to meet the District's proposed Biennial Budget for Fiscal Year 2026 and 2027.** As discussed in the memorandum of the General Manager dated March 20, 2025, which is included as part of the Board packet for the March 25, 2025 Budget Workshop #2 and is publicly available at [ebmud.com/rates](http://ebmud.com/rates), the proposed rates for FY 2026 and FY 2027 are calculated to generate the revenues needed to recover costs detailed in the District's proposed FY 2026/FY 2027 Biennial Budget (also available at [ebmud.com/rates](http://ebmud.com/rates)).

To the extent the author makes additional comments outside of the scope of Proposition 218 and Government Code section 53759.1, no additional responses are warranted here.

Date: 5/15/2025

Regarding: Protest of EBMUD Rate Hikes

Parcel # [REDACTED]

Homeowner: Shirley Gin

Signature: [REDACTED]

To Whom It May Concern:

I am against the rate hikes since I am a fixed income.

The below are the rate hikes I am against: Monthly service charge, Water flow charge, Elevation surcharge and the Annual wet weather facilities charge:



## Monthly Service Charge

\$ per meter size\*

FY2026-Proposed Effective July 1, 2025 • FY2027-Proposed Effective July 1, 2026

| Meter Size<br>(in inches) | Current       |                      | FY2026        |                      | FY2027        |                      |
|---------------------------|---------------|----------------------|---------------|----------------------|---------------|----------------------|
|                           | Water Service | Private Fire Service | Water Service | Private Fire Service | Water Service | Private Fire Service |
| 5/8 or 3/4                | \$35.48       | \$18.88              | \$26.85       | \$8.52               | \$28.60       | \$9.07               |
| 1                         | \$53.60       | \$25.95              | \$40.94       | \$14.20              | \$43.60       | \$15.12              |
| 1-1/2                     | \$98.91       | \$43.51              | \$76.14       | \$28.40              | \$81.09       | \$30.25              |
| 2                         | \$153.23      | \$64.59              | \$118.37      | \$45.44              | \$126.06      | \$48.39              |
| 3                         | \$298.19      | \$120.91             | \$252.14      | \$99.41              | \$268.53      | \$105.87             |
| 4                         | \$461.24      | \$184.21             | \$428.13      | \$170.42             | \$455.96      | \$181.50             |
| 6                         | \$914.09      | \$360.08             | \$956.12      | \$383.43             | \$1,018.27    | \$408.35             |
| 8                         | \$1,457.58    | \$571.13             | \$1,132.11    | \$454.44             | \$1,285.70    | \$483.98             |
| 10                        | \$2,091.61    | \$817.32             | \$1,624.90    | \$653.26             | \$1,730.52    | \$695.72             |
| 12                        | \$2,906.86    | \$1,133.86           | \$2,258.49    | \$908.88             | \$2,405.29    | \$967.96             |
| 14                        | \$3,722.02    | \$1,450.45           | \$2,892.07    | \$1,164.50           | \$3,080.05    | \$1,240.19           |
| 16                        | \$4,718.40    | \$1,837.38           | \$3,666.46    | \$1,476.93           | \$3,904.78    | \$1,572.93           |
| 18                        | \$5,714.75    | \$2,224.29           | \$4,440.84    | \$1,789.36           | \$4,729.49    | \$1,905.67           |

\* Most single-family residential customers are served by a 5/8" or 3/4" meter. To check your meter size, see your EBMUD bill.

## Water Flow Charge

\$ per unit per month (1 unit = 748 gallons)

FY2026-Proposed Effective July 1, 2025 - FY2027-Proposed Effective July 1, 2026

| Category and Tiers               | Current<br>Water<br>Volumetric<br>Rate | FY2026<br>Water<br>Volumetric<br>Rate | FY2027<br>Water<br>Volumetric<br>Rate |
|----------------------------------|--|---------------------------------------|---------------------------------------|
| <b>Single-Family Residential</b> |  |                                       |                                       |
| TIER 1: up to 7 units*           | \$5.41                                 | \$7.89                                | \$8.40                                |
| TIER 2: over 7, up to 16 units*  | \$7.44                                 | \$9.15                                | \$9.74                                |
| TIER 3: over 16 units*           | \$9.83                                 | \$10.79                               | \$11.49                               |
| <b>Multi-Family Residential</b>  | \$7.65                                 | \$8.31                                | \$8.85                                |
| <b>All Other Accounts</b>        | \$7.62                                 | \$8.52                                | \$9.07                                |
| <b>Nonpotable/Recycled Water</b> | \$5.93                                 | \$6.37                                | \$6.78                                |

\* 7 units = 172 gallons per day, 16 units = 392 gallons per day

## Elevation Surcharge

\$ per unit per month (1 unit = 748 gallons)

FY2026-Proposed Effective July 1, 2025 - FY2027-Proposed Effective July 1, 2026

| ELEVATION BAND 1 |        |        | ELEVATION BAND 2 |        |        | ELEVATION BAND 3 |        |        |
|------------------|--------|--------|------------------|--------|--------|------------------|--------|--------|
| Current          | FY2026 | FY2027 | Current          | FY2026 | FY2027 | Current          | FY2026 | FY2027 |
| \$0.00           | \$0.00 | \$0.00 | \$1.10           | \$1.25 | \$1.33 | \$2.27           | \$2.67 | \$2.84 |

\* To check your elevation band, see your ERMUD bill

## Annual Wet Weather Facilities Charge

\$ per lot • FY2026-Proposed Effective July 1, 2025 • FY2027-Proposed Effective July 1, 2026 • Collected on the property tax bill • For properties that do not receive a property tax bill, charges will be billed directly to the property owner.

| Current                    |                                  |                            | FY2026                     |                                  |                            | FY2027                     |                                  |                            |
|----------------------------|----------------------------------|----------------------------|----------------------------|----------------------------------|----------------------------|----------------------------|----------------------------------|----------------------------|
| Small lot<br>0-5,000 sq ft | Medium lot<br>5,001-10,000 sq ft | Large lot<br>>10,000 sq ft | Small lot<br>0-5,000 sq ft | Medium lot<br>5,001-10,000 sq ft | Large lot<br>>10,000 sq ft | Small lot<br>0-5,000 sq ft | Medium lot<br>5,001-10,000 sq ft | Large lot<br>>10,000 sq ft |
| \$142.38                   | \$230.16                         | \$526.00                   | \$159.90                   | \$249.72                         | \$570.70                   | \$173.48                   | \$270.94                         | \$619.20                   |

REGARDS,



C-78

EBMUD, ATTN: DIRECTOR OF  
FINANCE, MS 218  
PO BOX 24055  
OAKLAND, CALIF 94623-1055

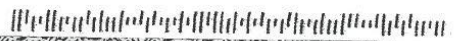
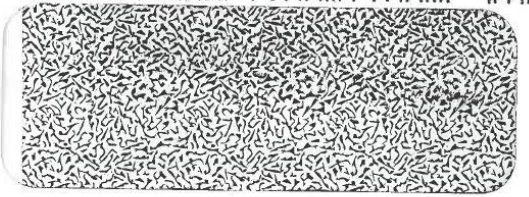


OAKLAND CA 946  
19 MAY 2025 PM 6 L

RECEIVED  
MAY 21 2025  
By [Signature]

RECEIVED  
MAY 21 2025  
By [Signature]

S. GIN  
[Redacted]  
SAN LEANDRO, CA 94577



94620-105555



Last Name of Submission Author(s): A. Holm

Service Address City and Zip Code: Hercules CA 94547

Date received by District: June 2, 2025

| Information Required of Protests Per District's Notice   | Information Provided? |
|--|-----------------------|
| (1) States the specific rate change for which the Protest is being submitted   | Yes                   |
| (2) Provides the location of the parcel (by customer account number, street address, or assessor's parcel number)          | Yes                   |
| (3) Includes the name and signature of the party submitting the Protest.   | Yes                   |
| Information Required of <i>Objections</i> Per District's Notice  | Information Provided? |
| (4) Indicates the submission is an Objection   | No                    |
| (5) Specifies the grounds for alleging noncompliance with Proposition 218 (Article XIII D of the California Constitution). | No                    |
| Received by the District by mail or delivered in person by 11:59 p.m. on Monday, June 2, 2025.                             | Yes                   |

### District Responses:

**The proposed changes to the District's Fiscal Year 2026 and 2027 rates and charges are necessary to meet the District's proposed Biennial Budget for Fiscal Year 2026 and 2027.** As discussed in the memorandum of the General Manager dated March 20, 2025, which is included as part of the Board packet for the March 25, 2025 Budget Workshop #2 and is publicly available at [ebmud.com/rates](http://ebmud.com/rates), the proposed rates for FY 2026 and FY 2027 are calculated to generate the revenues needed to recover costs detailed in the District's proposed FY 2026/FY 2027 Biennial Budget (also available at [ebmud.com/rates](http://ebmud.com/rates)).

To the extent the author makes additional comments outside of the scope of Proposition 218 and Government Code section 53759.1, no additional responses are warranted here.

Alan & Beatriz Holm  
[REDACTED]  
Hercules, CA 94547  
[REDACTED]



EBMUD  
ATTN: Director of Finance  
MS 218  
PO Box 24055  
Oakland, CA 94623-1055

May 30, 2025

I protest your dictated water increases timed for July 1, 2025 & again in 2026.

First cancel the "Diversity Equity & Culture Administration" and "Diversity and Inclusion" departments with aggregate compensation of over \$1.5 million.

Perhaps if you did not have people hired under these programs, you'd have been able balance the budget without increases...like other water districts.

Second cancel the Fluoridation program. Over 90% of water is used in toilets & gardening.

[REDACTED]

Alan Holm  
[REDACTED]  
Hercules, CA 94547

OAKLAND CA 945  
31 MAY 2025 PM 5 L



EBMUD  
ATTN: Director of Finance  
MS 218  
PO Box 24055  
Oakland, CA 94623-1055

94623-105555



Last Name of Submission Author(s): J. Kawai

Service Address City and Zip Code: El Cerrito CA 94530

Date received by District: May 12, 2025

| Information Required of Protests Per District's Notice   | Information Provided? |
|--|-----------------------|
| (1) States the specific rate change for which the Protest is being submitted   | Yes                   |
| (2) Provides the location of the parcel (by customer account number, street address, or assessor's parcel number)          | Yes                   |
| (3) Includes the name and signature of the party submitting the Protest.   | Yes                   |
| Information Required of <i>Objections</i> Per District's Notice  | Information Provided? |
| (4) Indicates the submission is an Objection   | No                    |
| (5) Specifies the grounds for alleging noncompliance with Proposition 218 (Article XIII D of the California Constitution). | No                    |
| Received by the District by mail or delivered in person by 11:59 p.m. on Monday, June 2, 2025.                             | Yes                   |

### District Responses:

**The proposed changes to the District's Fiscal Year 2026 and 2027 rates and charges are necessary to meet the District's proposed Biennial Budget for Fiscal Year 2026 and 2027.** As discussed in the memorandum of the General Manager dated March 20, 2025, which is included as part of the Board packet for the March 25, 2025 Budget Workshop #2 and is publicly available at [ebmud.com/rates](http://ebmud.com/rates), the proposed rates for FY 2026 and FY 2027 are calculated to generate the revenues needed to recover costs detailed in the District's proposed FY 2026/FY 2027 Biennial Budget (also available at [ebmud.com/rates](http://ebmud.com/rates)).

To the extent the author makes additional comments outside of the scope of Proposition 218 and Government Code section 53759.1, no additional responses are warranted here.

jeffrey kawai

El Cerrito, CA 94530 • Tel: [REDACTED]



May 8, 2025

East Bay Municipal Utility District  
Attn: Director of Finance, MS 218  
P.O. Box 24055  
Oakland, CA 94623-1055

Dear EBMUD:

Please consider this letter my PROTEST to the following proposed residential rate increases over current rates:

- 1) Water Flow (Tier 1) 46% effective July 1, 2025 (FY 2026)
- 2) Water Flow (Tier 1) 55% effective July 1, 2026 (FY 2027)
- 3) Wastewater 8.5% effective July 1, 2025 (FY 2026)
- 4) Wastewater 17.7% effective July 1, 2026 (FY 2027)
- 5) Elevation Band 2 Surcharges 13.6% & 20.9% (FY 2026 & FY 2027)
- 6) Wet Weather Facilities Charge 8.5% effective July 1, 2025 (FY 2026)
- 7) Wet Weather Facilities Charge 17.7% effective July 1, 2026 (FY 2027)

My customer account number is: [REDACTED]

Your proposal to increase water flow rates by 55% in the next two years is, in a word, offensive. Stop these INSANE increases. This is the sort of thing that triggers backlash, even among political moderates and liberals like me! I for one am going to stop all water conservation measures and will in all likelihood start wasting water, because these 'right pricing' measures anger me so much. I'll put in a new lawn and start washing my car as much as I want. And I'm removing my low flow shower heads.

In the past, you have justified rate increases that far outpace inflation by stating that you were securing other sources of water in times of drought. Where are the new reservoirs? We are still endlessly told to 'conserve' water because of supposed shortages, and some of us are sick of hearing it. Here's an idea: Stop sending so much water to Southern California! I am deeply bothered that these rate increases are not accompanied by more reservoir capacity, and that they continue to be in some cases ten times the rate of inflation!

g:\my documents\ebmud2025.doc

In 2001, the water flow charge was \$1.32/unit and the elevation charge was \$0.24 at this address. By July 1, 2026, the water flow charge will be \$8.40/unit and the elevation charge will be \$1.33 at this same address. By my calculation, after these proposed increases, the water flow charge will be approximately 636% of the 2001 rate and the elevation charge will be 554% of the 2001 rate. Exactly what costs so much that you need to not only double, not only triple, not only quadruple, but more than quintuple our rates in this period? We're not talking a 30% rate increase or a 50% rate increase or even a 100% rate increase over this time. Something is wrong with such steep increases, accompanied by virtually no new reservoirs!

Given previous steep rate increases, you should STOP raising rates for several years. Instead of improving service, we are expected to make LESS use of water and to pay MORE for it. That is NOT serving the community!

The news is already warning of the specter of another "mega-drought" in California. What a tragedy that in excellent water years like we had last winter, millions of gallons of fresh water were allowed to just flow into the ocean, rather than being stored for the shortages we very well KNEW would occur in future years like this one. How can you more than quintuple our rates in the course of less than 25 years, while allowing millions of gallons of fresh water to flow into the ocean to become unusable salt water, at a time when sea levels are rising and the last thing the ocean needs is to be re-filled with yet more water? At some point, the calls to conserve become disingenuous if they aren't accompanied by new dam construction to store water in the 'good' years.

Why not find a way to pump the water into aquifers underground if dams are "too environmentally damaging"? Or double the depth of current reservoirs? Worried about fish in the rivers? I'm sure some inventive engineer can come up with a barrier to keep salt water separate from fresh river water, slowing the outbound flow of river water, keeping the rivers deep and cool, while giving the fish some mechanism to cross into the river system.

Bluntly, many of your customers have grown weary of being told that we have to conserve for future generations. We are here right now and we have rights and needs, too. I'm not entirely sure why I need to conserve for the children and grandchildren of people who decide to have 4, 5, 6, or 15 children, who then produce 20 to 50 grandchildren down the line. What is their responsibility to control their reproduction and the impact that population increases have on scarce resources?



We shouldn't have to live under constant scrutiny for the water we use. There's a difference between water waste and water use, and recent shrill calls for conservation cross the line from stopping waste to stopping legitimate use. If necessary, impose a fee on new communities or housing developments, to reflect the cost of building additional storage capacity to serve those new customers. Double your Tier 3 residential rates to address **water wasters**, if you must, but stop these annual Tier 1 rate increases.

Previous recent ANNUAL EBMUD rate increases of 9%, 9.25%, 9.50%, and 9.75% FAR, FAR outstrip the pace of inflation, which has hovered BELOW 2% during the same time period. EBMUD water was perfectly fine before these steep increases. You had to nearly triple rates to replace aging pipes? I don't believe it.

EBMUD is following a path disturbingly similar to PG&E. PG&E inflicted high costs on customers, accompanied by calls to cut usage, while ignoring the central mission to provide safe and reliable electric and gas service at the lowest possible cost. It's typical monopolistic behavior: To provide LESS of a good/service at a HIGHER cost than would be provided by a competitive market, and the "do-gooder" environmentalists fell right into their lap! The victims have been California consumers and residents. PG&E was distracted by environmental programs -- alternative energy, conservation, electric vehicles and all the marketing and PR that accompanied such "fancy" projects -- instead of sharply focusing on infrastructure maintenance and costs. And now EBMUD is following that same disastrous path. EBMUD's mission statement needs to put "to provide reliable, high-quality water and wastewater services at fair and reasonable rates" **FIRST**. You are, after all, first and foremost a water utility! Why are you putting other stuff first? The environmental concerns are largely political, increase costs, and complicate your operation. Please keep your focus on supplying safe clean water reliably at the lowest possible cost, taking reasonable precautions to limit access to your land and thus protecting the environmental health of the lands you control. But wasting money on "conservation" marketing and initiatives is precisely that: A harmful distraction and a waste of money. When populations increase, conservation (beyond a certain limit) is not the answer: Increased capacity is the only solution.

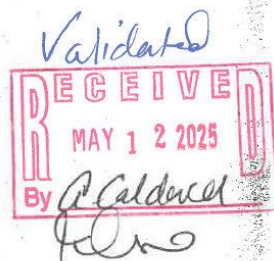
Thank you for your consideration,

Jeffrey Kawai

Jeffrey Kawai  
[REDACTED]  
El Cerrito, CA 94530

OAKLAND CA 945  
8 MAY 2025 PM 6 L

Keep Safety in View as We Drive for You!



East Bay Municipal Utility District  
Attn: Director of Finance, MS 218  
P.O. Box 24055  
Oakland, CA 94623-1055

94623-10555



C-87

Last Name of Submission Author(s): T. Kopp

Service Address City and Zip Code: Oakland CA 94609

Date received by District: May 29, 2025

| Information Required of Protests Per District's Notice   | Information Provided? |
|--|-----------------------|
| (1) States the specific rate change for which the Protest is being submitted   | Yes                   |
| (2) Provides the location of the parcel (by customer account number, street address, or assessor's parcel number)          | Yes                   |
| (3) Includes the name and signature of the party submitting the Protest.   | Yes                   |
| Information Required of <i>Objections</i> Per District's Notice  | Information Provided? |
| (4) Indicates the submission is an Objection   | No                    |
| (5) Specifies the grounds for alleging noncompliance with Proposition 218 (Article XIII D of the California Constitution). | No                    |
| Received by the District by mail or delivered in person by 11:59 p.m. on Monday, June 2, 2025.                             | Yes                   |

### District Responses:

**The proposed changes to the District's Fiscal Year 2026 and 2027 rates and charges are necessary to meet the District's proposed Biennial Budget for Fiscal Year 2026 and 2027.** As discussed in the memorandum of the General Manager dated March 20, 2025, which is included as part of the Board packet for the March 25, 2025 Budget Workshop #2 and is publicly available at [ebmud.com/rates](http://ebmud.com/rates), the proposed rates for FY 2026 and FY 2027 are calculated to generate the revenues needed to recover costs detailed in the District's proposed FY 2026/FY 2027 Biennial Budget (also available at [ebmud.com/rates](http://ebmud.com/rates)).

To the extent the author makes additional comments outside of the scope of Proposition 218 and Government Code section 53759.1, no additional responses are warranted here.

To whom it may concern,

I wish to protest the following rate changes:

service charge from \$9.29 to 10.08 (FY 2026) and 10.94 (FY2027)  
flow charge from \$1.68 to 1.82 (FY2026) and 1.97 (FY2027)  
Strength charge from \$9.67 to 10.49 (FY2026) and 11.38 (FY2027)

(single family  
residential)

We are already hit with inflation, withdrawal of access to services, diminishing tax benefits etc etc.  
I am a senior barely making my bills, and I protest the increases.

I suggest looking for other ways of saving \$ and keeping the rates constant.  
Thank you,

Tatjana Kopp

owner of

parcel #

Oakland CA 94609

Oakland 5.26.2025



C-90



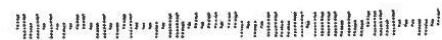
Tatjana Kopp  
[Redacted]  
Oakland, CA 94609

OAKLAND CA 945  
27 MAY 2025 PM 5 L



EBMUD  
Attn: Director of finance  
MS 218  
PO Box 24055  
Oakland CA 94623 -1055

94623-105555



Last Name of Submission Author(s): B. Kristy

Service Address City and Zip Code: Berkeley CA 94703

Date received by District: April 22, 2025

| Information Required of Protests Per District's Notice   | Information Provided? |
|--|-----------------------|
| (1) States the specific rate change for which the Protest is being submitted   | Yes                   |
| (2) Provides the location of the parcel (by customer account number, street address, or assessor's parcel number)          | Yes                   |
| (3) Includes the name and signature of the party submitting the Protest.   | Yes                   |
| Information Required of <i>Objections</i> Per District's Notice  | Information Provided? |
| (4) Indicates the submission is an Objection   | No                    |
| (5) Specifies the grounds for alleging noncompliance with Proposition 218 (Article XIII D of the California Constitution). | No                    |
| Received by the District by mail or delivered in person by 11:59 p.m. on Monday, June 2, 2025.                             | Yes                   |

### District Responses:

**The proposed changes to the District's Fiscal Year 2026 and 2027 rates and charges are necessary to meet the District's proposed Biennial Budget for Fiscal Year 2026 and 2027.** As discussed in the memorandum of the General Manager dated March 20, 2025, which is included as part of the Board packet for the March 25, 2025 Budget Workshop #2 and is publicly available at [ebmud.com/rates](http://ebmud.com/rates), the proposed rates for FY 2026 and FY 2027 are calculated to generate the revenues needed to recover costs detailed in the District's proposed FY 2026/FY 2027 Biennial Budget (also available at [ebmud.com/rates](http://ebmud.com/rates)).

**EBMUD offers a Customer Assistance Program (CAP) to help pay a portion of the water and wastewater bill for qualified low-income residential customers and eligible homeless shelters.** Eligible customers may qualify for 50 percent off of the standard bimonthly service charge and 50 percent off of water use, up to a maximum of 1,050 gallons per person per month. Eligible customers may also qualify for 35 percent discount on EBMUD wastewater service charge and flow charges collected will be applied to the account. See [www.ebmud.com/cap](http://www.ebmud.com/cap) for details and eligibility criteria.



To the extent the author makes additional comments outside of the scope of Proposition 218 and Government Code section 53759.1, no additional responses are warranted here.

William Curtis Kristy III [REDACTED]

Berkeley, California 94703-1433 [REDACTED]

April 16, 2025

Attn: Director of Finance, MS 218  
EBMUD  
PO Box 24055  
Oakland, California 94623-1055

Dear Finance Director,

I hereby request that residential water usage for medical and therapeutic purposes be provided, and that it be provided at a discount. I have severe disabilities that require hydrotherapy to manage my condition, and I believe that this should receive some priority during drought conditions, and made more affordable at all times.

I would note that my local power utility PG&E does have such a consideration for use of energy for medical and therapeutic purposes, and I believe that EBMUD should too for the same reasons. And to comply with the Americans with Disabilities Act.

I believe that no new rates should be instituted without implementing such a program.

Sincerely yours,

[REDACTED]  
Bill Kristy

[REDACTED]  
Berkeley, CA 94703-1433

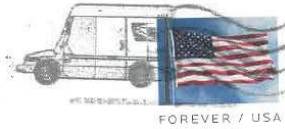
Acct # [REDACTED]



Bill Kristy

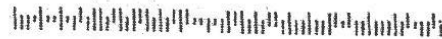
Berkeley, CA 94703-1433

OAKLAND CA 945  
17 APR 2025 PM 7 L



ATTN FINANCE DIRECTOR MS 218  
EBMUD  
PO BOX 24055  
OAKLAND CA 94623-1055

94623-105555



C-94

Last Name of Submission Author(s): J. Liechty

Service Address City and Zip Code: Not Provided

Date received by District: April 18, 2025

| Information Required of Protests Per District's Notice   | Information Provided? |
|--|-----------------------|
| (1) States the specific rate change for which the Protest is being submitted   | Yes                   |
| (2) Provides the location of the parcel (by customer account number, street address, or assessor's parcel number)          | No                    |
| (3) Includes the name and signature of the party submitting the Protest.   | Yes                   |
| Information Required of <i>Objections</i> Per District's Notice  | Information Provided? |
| (4) Indicates the submission is an Objection   | No                    |
| (5) Specifies the grounds for alleging noncompliance with Proposition 218 (Article XIII D of the California Constitution). | No                    |
| Received by the District by mail or delivered in person by 11:59 p.m. on Monday, June 2, 2025.                             | Yes                   |

### District Responses:

**The proposed changes to the District's Fiscal Year 2026 and 2027 rates and charges are necessary to meet the District's proposed Biennial Budget for Fiscal Year 2026 and 2027.** As discussed in the memorandum of the General Manager dated March 20, 2025, which is included as part of the Board packet for the March 25, 2025 Budget Workshop #2 and is publicly available at [ebmud.com/rates](http://ebmud.com/rates), the proposed rates for FY 2026 and FY 2027 are calculated to generate the revenues needed to recover costs detailed in the District's proposed FY 2026/FY 2027 Biennial Budget (also available at [ebmud.com/rates](http://ebmud.com/rates)).

**EBMUD offers a Customer Assistance Program (CAP) to help pay a portion of the water and wastewater bill for qualified low-income residential customers and eligible homeless shelters.** Eligible customers may qualify for 50 percent off of the standard bimonthly service charge and 50 percent off of water use, up to a maximum of 1,050 gallons per person per month. Eligible customers may also qualify for 35 percent discount on EBMUD wastewater service charge and flow charges collected will be applied to the account. See [www.ebmud.com/cap](http://www.ebmud.com/cap) for details and eligibility criteria.

To the extent the author makes additional comments outside of the scope of Proposition 218 and Government Code section 53759.1, no additional responses are warranted here.

To the EBMUD Directing Board,

Enclosed you will find a copy of my book, bookmarked to a petition addressed to your board concerning rate hikes and flow restrictors for municipal water drinkers. I'm afraid that I find two conflicting narratives both believable: Your board is doing everything it can to provide clean, affordable water. And! The city's poor lack clean, affordable water.


I'm writing with the encouragement for the hopeful part of your souls, because I have spent much time with an organization, SWPAUW, which is often a thorn in your side. The residents who seek help there are at the ends of their ropes; it tends to radicalize a soul.

You are not cattle. You are human beings! Imagine some possibilities for the ~~ake~~ of literal Christs who die in your jurisdictions. You are not without mighty help. There are none among you and few out there who wish the destitute to thirst. Awake, o sleepers! Drag your weary egos across the void of forgottenness and collaborate with cities across the nation and world to prove whose side you are on! Soon we will all be dust. But before that: How shall we live? The slithering capital beast has not consumed the flesh of yet every innocent who will rise up and make this country overflow with abundantly pure hydration. Shed the loan sharks. Purify your balance sheet. Call a press conference. Become humans with chests!

RECEIVED  
APR 18 2025  
Office of the Secretary

RECEIVED  
APR 18 2025  
By *[Signature]* In sincerity,

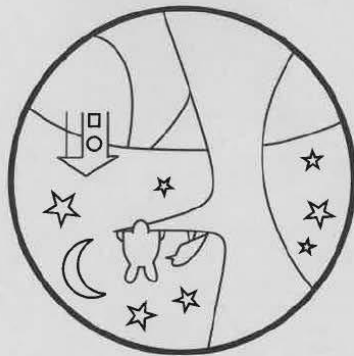
Jacob Liechty



EBMUD  
Board of  
Directors



រាសាស្ត្រមហាសេនាសុទ្ធ



ស្ថានីយ៍ប្រឹក្សាសេនា

### Oakland City Denial of Clean Water in Neighborhoods of Color

*It is better to oppose the forces that would drive me to self-murder than to endure them. Although I risk the likelihood of death, there is at least the possibility, if not the probability, of changing intolerable conditions. This possibility is important, because much in human existence is based upon hope without any real understanding of the odds. Indeed we are all—Black and white alike—ill in the same way, mortally ill. But before we die, how shall we live?*

—Huey P. Newton

I, Jacob, can only admit to current and past estrangements from Black brethren, and the guilt of being a rich person in estrangement from the poor. A feeling persists of an ongoing and incomplete transformation toward a person who does not rely on money and bodily privilege as a means for generating personal validation, finding acceptance in the world, and meeting my material needs. The long story has been releasing the unhelpful self-inflicted shame, yielding to the financial advice of spiritual advisors over to make direct amends for sins of wealth, and learning to allow myself a simple humanity for embarrassing naivetes about my bodily privilege. An important step in my healing processes related to my racial identity turned out to be to address the difficult topic of suicide, an issue which has affected me personally, and which is sometimes understood as a white male issue, though Native men and trans people are affected more gravely. In *Nobody Knows the Trouble I've Seen*, Burnett-Zeigler writes,

There is a dangerous false narrative that Black people don't kill themselves. However, a history of trauma, which Black women are vulnerable to, as we have seen, is a key risk factor for suicide. [...] Although men are more likely than women to complete a suicide, women are more likely than men to attempt one. [...] The rate of suicide attempts and deaths by suicide among Black people has been increasing for the past twenty years. Among Black women, the suicide rate increased by a staggering 65 percent from 1999 to 2007. From 1991 to 2017, rates of suicide attempts for Black youth increased

73 percent. [...] These increases are partly due to the stress that can come from living in the United States as a Black person.

At the mosque, there is an outspoken fellow who likes to introduce discussions of Whiteness by fetching a piece of printer paper and asking if that's what white skin looks like. Though talking with him is a gracious experience, the issue of suicide remained something difficult to breach. My demeanor melted in a second when he gave me a yes answer to my question: Did he ever know anyone who killed themselves? Ink on the paper is an incomplete substitute for the cavernous wordlessness of interpersonal grief.

Malcolm X, in his autobiography<sup>67</sup>, wrote from Mecca while on Hajj,

During the past eleven days here in the Muslim world, I have eaten from the same plate, drunk from the same glass, and slept in the same bed (or on the same rug)—while praying to the *same* God—with fellow Muslims, whose eyes were the bluest of blue, whose hair was the blondest of blonds, and whose skins were the whitest of white. And in the *words* and in the *actions* and in the *deeds of the* 'white' Muslims, I felt the same sincerity that I felt among black African Muslims of Nigeria, Sudan, and Ghana.

We were *truly* all the same (siblings)—because their belief in one God had removed the 'white' from their *minds*, the 'white' from their *behavior*, and the 'white' from their *attitude*.

I could see from this, that perhaps if white Americans could accept the Oneness of God, then perhaps, too, they could accept in *reality*, the Oneness of Man—and cease to measure, and hinder, and harm others in terms of their 'differences' in color.

The following is a discussion of municipal policies that daily affect poor and non-White residents of Oakland, California where the above discussion took place. Residents' commonplace, sudden, and life-threatening loss of access to water and electricity is well-known to local advocates, and represents an unaddressed deep well of racialized suffering nationally.

<sup>67</sup> Quoted in: Shakir, Imam Zaid. *Scattered Pictures: Reflections of An American Muslim*. 2007.

In *The Policing of Black Debt: How the Municipal Bond Market Regulated the Right to Water*, Phinney writes,

American cities, and in particular, Black-majority cities, rely on the punitive enforcement of fines and fees to fund basic municipal services in an austere fiscal environment produced by the 2008 financial crisis. [...] Over the last 10 years, there has been a wave of mass water shut offs happening across US cities in tandem with rising bills due to ongoing austerity policies.

In Oakland, the efforts of advocates such as the Service Workers Project for Affordable Utilities and Water have solicited non-binding *de jure* moratoriums on water shutoffs. Oakland's water is operated by East Bay Municipal Utility District (in essence a private corporation under publicly elected oversight) which has shifted to installation of flow restrictors, subdividing the advocacy into petitions that the right to water includes the right to more than a trickle.

Phinney gives a helpful breakdown of the national financial patterns which cause tangible bodily harm in Black and poor communities, and which increasingly feel impossible to mitigate without sweeping institutional reform.

Infrastructure financialization in post-industrial, Black-majority cities is contingent on uneven terrains of racialized urban development and geographies of austerity through decades-long historical divestment in urban infrastructure systems in Black communities (1585). [...] The collusions of municipal finance, austerity governance and debt can articulate how financial risks are unevenly placed on Black cities and households. Municipal bond institutions and practices devalue Black spaces through accounting measures of debt collection methods and rates of delinquency as preconditions to issue loans to municipalities to measure creditworthiness. Such financial practices have led to a water access and affordability crisis in Black-majority US cities (1585). [...] With the onset of the deregulation of the financial sector in 2000, traditional banking no longer provides short and long-term finance to municipalities, rather it is the institutional investors, such as pension funds, hedge funds, insurance companies, and mutual funds. With this shift, bond rating agencies stepped in to provide an intermediary disciplinary role to satisfy investor demands for information on cities through superficial evaluation in the form of ratings (1588). [...] Municipal credit ratings use inputs and methods for their criteria that are sourced from spaces of racial

unevenness, such as whether cities have large populations that require more social support. This can be related to how Black household debt is disciplined through unconventional banking institutions, such as cash chequing institutions and payday loans with exorbitantly high interest rates (1588).

The insides of such alternative banks are a minute-by-minute parade of acute desperation, where the character of high-interest debt is revealed in its spiritual form, a melevolence described throughout this paper as the Empires decried by *Revelation* and *Jeremiah*. The tellers of cash-checking centers know well that the twenty-first century has not brought racial equality.

Phinney continues:

Black debt is a key industry for creating white wealth as racial discrimination shapes who feels debt as crushing and who experiences it as an opportunity (1589). [...] In the case of water and sewage services, utilities are required to disclose their debt collection practices for nonpayment of service to ensure leverage to investors. For Baltimore, Detroit, and St. Louis this includes late penalty charges, water shut offs, liens on property, garnishing wages, and housing foreclosures. There is a financial incentive to engage in egregious practices, such as water shut offs, if a city wants to access credit but has a high number of delinquencies (1589). [...] There is a due diligence questionnaire for each borrower to complete which asks municipalities to provide information on their debt collection methods, how they are being enforced, and what their collection rates are versus billing (1589). [...] Debt collection practices can also be part of a municipal bond covenant. The cornerstone of a bond's legal structure is its covenants, which are legally binding rules to which the utility agrees when issuing the bonds. Utilities abide by many different types of covenants, which can include debt service coverage, what water and sewer rates should be set at, the debt service reserve fund, and other things that will assure investment risk (1591). [...] Weak covenants that allow the utility to operate on a thin margin often mean utilities are rated speculatively and will pay higher interest on their loans. This can create a cycle of raising water and sewer rates to appease bondholders and bond rating agencies to meet these covenants, but in turn making these services unaffordable (1591).

The systems amenable to change are physically distant from the sites of suffering, and represent an ethical opportunity for legally and artistically minded young Americans. It takes time for true narratives about institutional workings to propagate through storytelling. A total restructuring is a collective event of real possibility, though not before a great multitude bears the weight of political stubbornness.

The most common and widespread debt collection practice in US cities for water debt is shut offs (1592). [...] Between 2010 and 2018 water bills have increased from 27% to 154% in US cities, although median household incomes increased only 3% per year (1592). [...] Like mortgage foreclosures, water shut offs and liens can force affected households to abandon their homes. Water debts are clustered in communities of color which disproportionately devalues their homes and neighborhoods. The average majority-Black city had a water bill burden more than twice that of the average majority-white city (1592). [...] As municipal and public debt is financialized and the funds to cover municipal expenditures is supplied by the financial market, over time, it has a de-democratizing effect where local governance works for the benefit of financial markets, rather than the public good (1599).

In *Courage to Change*, Bingham discusses in 1961 the life and thought of Niebuhr, said to have prayed ninety years ago among a church in Massachusetts:

O God, give us serenity to accept what cannot be changed, courage to change what should be changed, and wisdom to distinguish the one from the other.

Niebuhr is characterized as working with and battling with a new form of domestic social liberalism in contact with the Reformed Protestant church at the time, characterized by Said Naomi Mitchison's statement:

I have travelled over most of Europe and part of Africa, but I have never seen such terrible sights as I saw yesterday among the sharecroppers of Arkansas.

Niebuhr writes of supporters of liberal causes,

No accumulation of contradictory evidence seems to disturb modern man's good opinion of himself. He considers himself the victim of corrupting institutions which he is about to destroy or reconstruct, or the confusions of ignorance which an adequate education is about to overcome. Yet he continues to regard himself as essentially harmless and virtuous.

And,

Humans cannot love themselves inordinately without pretending that it is not his, but a universal interest which he is supporting. [...] We are not only not as good as our ideals but we tend to use our ideals as weapons of prestige, failing to recognize that the ideals are not as good as we pretend they are.

These are important reflections for the White ally. The important thing for us is a willingness to take orders, to participate in the body of resistance, gaining our satisfaction in community over moral praise. It is better to be a servant in the realm of heaven than royalty on earth.

In *My Soul Looks Back*, Cone, who is also a pastor, writes in the introduction,

I believe that "I will testify for what the Lord has done for me" is an often heard response in the black church. Testimony is an integral part of the black religious tradition. It is the occasion in which a believer stands before the community of faith in order to give an account of the hope that is in them.

[...] This book is written in the tradition of black testimony. It is not an autobiography. It is rather an account of the spiritual and intellectual development of my faith—from childhood in Bearden, Arkansas, to the present. Because I am black, I am writing primarily to the black church community. It is my personal testimony of how I have struggled to keep and to live the faith of the black church.

[...] Because I believe that the gospel is universal and thus intended for all, I have written my story in dialogue with people of other cultures and nations who also regard Jesus Christ as God's definitive and final salvation for humankind. Indeed the character and dynamic of the changes in my intellectual and spiritual development are directly related to my encounters with others, especially Christians in Asia, Africa, and Latin America, commonly called the Third World. Also the white churches of Europe and

North America have presented an enormous theological challenge to my understanding of the gospel. Although I have been critical of them, the criticism was meant to be prophetic and not cynical. I firmly believe that the gospel is available to all—including white people. But the availability of the gospel is exclusively dependent upon a *conversion* experience, wherein one makes an unqualified commitment to the struggle of the poor for freedom. This *metanoia* is available to all, though not accepted by all.

There is a tension between the call to acceptance common in Twelve Step circles, which lean racially White, and a political activism which demands change, familiar to Black congregations. Those who are members of both worlds have best come to terms.

William J. Barber II writes, in *White Poverty*:

If you disaggregate the data on the 140 million Americans who are technically poor or low-income, 24 million of them are Black. That's 60 percent of all Black people in America—an incredible burden that reflects the ongoing influence of racism in American life, and one that is shared by a similar percentage of the population in Native and Latino communities. [...] This is what you never hear: *most of America's poor are white*. I sound the alarm about white poverty because I'm convinced that we can't expose the peculiar exceptionalism of America's poverty without seeing how it impacts the very people that our myths pretend to privilege. [...] This is what I've come to believe as a watchman among America's poor: until we compel this nation to see its white poor, poverty will remain in the shadows. A watchman has nothing but their voice to alert the community to the dangers they have witnessed. In ancient Israel, Jeremiah wept bitter tears and cried out in the public square. The more I've seen of America's poverty, the more I cannot help but scream (Part I: Facing Poverty).

I sometimes volunteer with an organization which weekly traverses poor neighborhoods in Oakland, whose leaders share Barber's sentiments. There is a work ethic which I have only occasionally joined. Each expedition to the neighborhoods is an exercise in grief, humanness, and critical theory. Little short of a spiritual miracle can unwind the logics which pretend that civil rights and social justice have yet arrived in the city of Oakland, home of the Hell's Angels and Black Panthers. Desperate

mothers, elderly, and vulnerable Oakland residents regularly have their electricity or water cut without warning or negotiation, reduced to economic examples by utility companies with punitive extractive policies. The most desperate requests for advocacy are almost always from Black mothers and grandmothers. The neighborhoods that house the near totality of affected families of EBMUD's flow restrictor program sit behind a palpable color line. The board rooms manage accusations of racial injustice like a line item in the balance sheet. The demands of the organized low-income workers are explicit, underrepresented, and face against a powerful national coalition of stockholders, lobbyists, and profiteers which siphon material resources from the country's poorest into dividends.

To the Board of Directors of the East Bay Municipal Utility District:

*Create pathways to financial independence, permanently ending shut-offs and rate hikes for low-income residents, ending the **lien program** and the **flow restrictor program**. Implement the demands of the **Service Workers Project for Affordable Utilities and Water**.*

Last Name of Submission Author(s): A. Magganas

**Service Address City and Zip Code:** Berkeley CA 94703. Five letters for four separate accounts were submitted by A. Magganas.

**Date received by District:** April 14, 2025

| Information Required of Protests Per District's Notice   | Information Provided? |
|--|-----------------------|
| (1) States the specific rate change for which the Protest is being submitted   | Yes                   |
| (2) Provides the location of the parcel (by customer account number, street address, or assessor's parcel number)          | Yes                   |
| (3) Includes the name and signature of the party submitting the Protest.   | Yes                   |
| Information Required of <i>Objections</i> Per District's Notice  | Information Provided? |
| (4) Indicates the submission is an Objection   | No                    |
| (5) Specifies the grounds for alleging noncompliance with Proposition 218 (Article XIII D of the California Constitution). | No                    |
| Received by the District by mail or delivered in person by 11:59 p.m. on Monday, June 2, 2025.                             | Yes                   |

### District Responses:

**The proposed changes to the District's Fiscal Year 2026 and 2027 rates and charges are necessary to meet the District's proposed Biennial Budget for Fiscal Year 2026 and 2027.** As discussed in the memorandum of the General Manager dated March 20, 2025, which is included as part of the Board packet for the March 25, 2025 Budget Workshop #2 and is publicly available at [ebmud.com/rates](http://ebmud.com/rates), the proposed rates for FY 2026 and FY 2027 are calculated to generate the revenues needed to recover costs detailed in the District's proposed FY 2026/FY 2027 Biennial Budget (also available at [ebmud.com/rates](http://ebmud.com/rates)).

To the extent the author makes additional comments outside of the scope of Proposition 218 and Government Code section 53759.1, no additional responses are warranted here.

April 12, 2025

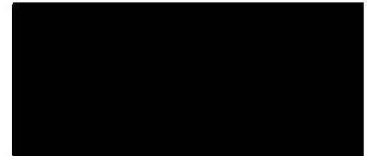
EBMUD

Director of Finance

MS 218

PO BOX 24055

Oakland, CA 94607-4240

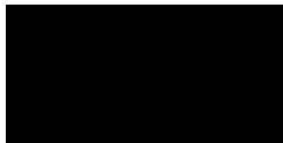


PROTESTING PROPOSED WATER FLOW RATE INCREASES FOR MULTIFAMILY

You should DECREASE the existing flow rate of \$7.65 per unit

You have more than doubled these rates since the "drought" periods and you had promised to bring them back down.

EBMUD needs to cut its operating costs by itself rather than ask for higher rates.



Athan Magganas

MAXACO LLC

[Redacted] Berkeley CA 94703





April 12, 2025

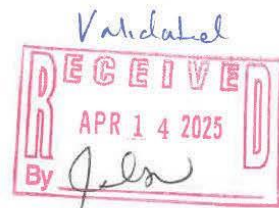
EBMUD

Director of Finance

MS 218

PO BOX 24055

Oakland, CA 94607-4240



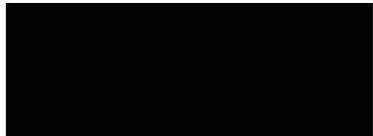
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PROTESTING PROPOSED WATER FLOW RATE INCREASES FOR MULTIFAMILY

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Athan Magganas

MAXACO LLC



Berkeley CA 94703

April 12, 2025

EBMUD

Director of Finance

MS 218

PO BOX 24055

Oakland, CA 94607-4240



PROTESTING PROPOSED WATER FLOW RATE INCREASES FOR MULTIFAMILY

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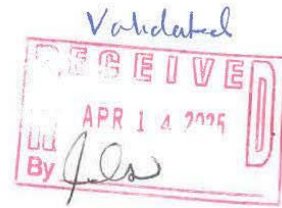
[REDACTED]  
Athan Magganis

ADELPHOS LLC

[REDACTED] Oakland CA 94606

[REDACTED]

April 13, 2025  
EBMUD  
Director of Finance  
MS 218  
PO BOX 24055  
Oakland, CA 94607-4240



Listed  
As



PROTESTING PROPOSED WATER FLOW RATE INCREASES FOR MULTIFAMILY

You should DECREASE the existing flow rate of \$7.65 per unit

You have more than doubled these rates since the "drought" periods and you had promised to bring them back down.

EBMUD needs to cut its operating costs by itself rather than ask for higher rates.



Athan Magganis

KANARI LLC



Richmond CA 94530



April 12, 2025

EBMUD

Director of Finance

MS 218

PO BOX 24055

Oakland, CA 94607-4240



PROTESTING PROPOSED WATER FLOW RATE INCREASES FOR MULTIFAMILY

You should DECREASE the existing flow rate of \$7.65 per unit

You have more than doubled these rates since the "drought" periods and you had promised to bring them back down.

EBMUD needs to cut its operating costs by itself rather than ask for higher rates.

Athan Magganas

ADELPHOS LLC

Oakland CA 94606

*Free Service*

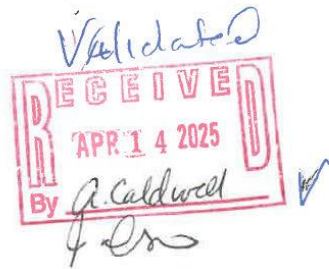
C-110



Mr. Ediel Magganas  
Pinole, CA 94564

OAKLAND CA 945

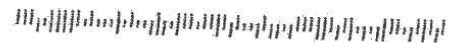
12 APR 2025 PM 6 L



(4 - various  
1 - Envelope)

94523-105555

EBMUD  
DIRECTOR FINANCE  
MS 218 P.O. Box 24055  
OAKLAND CA 94607-4240



Last Name of Submission Author(s): D. McDonald

Service Address City and Zip Code: Alameda CA 94501

Date received by District: May 30, 2025

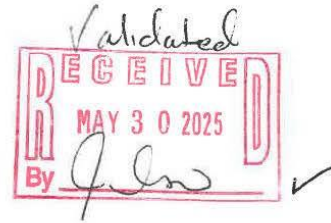
| Information Required of Protests Per District's Notice   | Information Provided? |
|--|-----------------------|
| (1) States the specific rate change for which the Protest is being submitted   | Yes                   |
| (2) Provides the location of the parcel (by customer account number, street address, or assessor's parcel number)          | Yes                   |
| (3) Includes the name and signature of the party submitting the Protest.   | Yes                   |
| Information Required of <i>Objections</i> Per District's Notice  | Information Provided? |
| (4) Indicates the submission is an Objection   | No                    |
| (5) Specifies the grounds for alleging noncompliance with Proposition 218 (Article XIII D of the California Constitution). | No                    |
| Received by the District by mail or delivered in person by 11:59 p.m. on Monday, June 2, 2025.                             | Yes                   |

### District Responses:

**The proposed changes to the District's Fiscal Year 2026 and 2027 rates and charges are necessary to meet the District's proposed Biennial Budget for Fiscal Year 2026 and 2027.** As discussed in the memorandum of the General Manager dated March 20, 2025, which is included as part of the Board packet for the March 25, 2025 Budget Workshop #2 and is publicly available at [ebmud.com/rates](http://ebmud.com/rates), the proposed rates for FY 2026 and FY 2027 are calculated to generate the revenues needed to recover costs detailed in the District's proposed FY 2026/FY 2027 Biennial Budget (also available at [ebmud.com/rates](http://ebmud.com/rates)).

To the extent the author makes additional comments outside of the scope of Proposition 218 and Government Code section 53759.1, no additional responses are warranted here.

EBMUD, ATTN: Director of Finance  
MS 218, PO Box 24055  
Oakland, CA 94623



May 25, 2025

Re Protest to EBMUD Proposed Rate Changes

Please receive this letter as protest against each of the following proposed rate changes:

Water Service Charge;  
Water Flow Charge;  
Elevation Surcharge;  
Private Fire Surcharge;  
Wastewater Service Charge;  
Wastewater Flow Charge;  
Wastewater Strength Charge;  
SF Bay Pollution Prevention Fee;  
Wet Weather Facilities Charge.

Location of the parcel of this protest is [REDACTED] Alameda, CA 94501, and the name and signature of the party submitting this protest is the undersigned.

[REDACTED]

Daniel McDonald



Danrei McDonald  
Huntington Beach, CA  
92646

SANTA ANA CA 926  
28 MAY 2025 PM 5 L



Validated  
RECEIVED  
MAY 30 2025  
By *R. J. [Signature]*  
EBMUD, ATTN: Director of Finance  
MS 218, P.O. Box 24055  
Oakland, CA 94623

94623-105555



C-113

Last Name of Submission Author(s): R. McGee

Service Address City and Zip Code: Oakland CA 94610

Date received by District: May 23, 2025

| Information Required of Protests Per District's Notice   | Information Provided? |
|--|-----------------------|
| (1) States the specific rate change for which the Protest is being submitted   | Yes                   |
| (2) Provides the location of the parcel (by customer account number, street address, or assessor's parcel number)          | Yes                   |
| (3) Includes the name and signature of the party submitting the Protest.   | Yes                   |
| Information Required of <i>Objections</i> Per District's Notice  | Information Provided? |
| (4) Indicates the submission is an Objection   | No                    |
| (5) Specifies the grounds for alleging noncompliance with Proposition 218 (Article XIII D of the California Constitution). | No                    |
| Received by the District by mail or delivered in person by 11:59 p.m. on Monday, June 2, 2025.                             | Yes                   |

### District Responses:

**The proposed changes to the District's Fiscal Year 2026 and 2027 rates and charges are necessary to meet the District's proposed Biennial Budget for Fiscal Year 2026 and 2027.** As discussed in the memorandum of the General Manager dated March 20, 2025, which is included as part of the Board packet for the March 25, 2025 Budget Workshop #2 and is publicly available at [ebmud.com/rates](http://ebmud.com/rates), the proposed rates for FY 2026 and FY 2027 are calculated to generate the revenues needed to recover costs detailed in the District's proposed FY 2026/FY 2027 Biennial Budget (also available at [ebmud.com/rates](http://ebmud.com/rates)).

**The District is a public, not-for-profit water agency and complies with all laws related to transparency, public information, and financial reporting.** District Board meetings are open to the public. See [www.ebmud.com/board-meetings](http://www.ebmud.com/board-meetings) for information about past and upcoming Board meetings and how to provide public comment. Recent meetings of the District's Board of Directors where the proposed FY 2026/2027 rates and/or the proposed FY 2026/2027 Biennial Budget have been agendized include:

- May 13, 2025 Board of Directors Meeting
- March 25, 2025 Budget Workshop #2

- January 28, 2025 Budget Workshop #1
- November 26, 2024 Infrastructure Workshop

Materials from these meetings are available at [www.ebmud.com/rates](http://www.ebmud.com/rates).

The District's audited financial statements are publicly available at [www.ebmud.com/about-us/financial-information/financial-reports](http://www.ebmud.com/about-us/financial-information/financial-reports).

To the extent the author makes additional comments outside of the scope of Proposition 218 and Government Code section 53759.1, no additional responses are warranted here.

Rob McGee

Oakland, CA 94610

May 21, 2025

EBMUD

Attn: Director of Finance, MS218

PO Box 24055

Oakland, CA 94623-1055

**Subject: Protest of Proposed Rate Increases**

To Whom It May Concern:

I am writing to formally protest the proposed rate increases requested by EBMUD.

While I understand the need for operational cost adjustments and investments in sustainable infrastructure, these steep increases place an undue burden on households and small businesses already facing some of the highest costs of living in the country. The proposed increases, especially when compounded, far outpace inflation and wage growth, making these services increasingly unaffordable for many citizens.

By contrast, the Oakland Rent Board allowable annual rent increase for rent-controlled units is calculated based on 60% of the increase in the Consumer Price Index for All Urban Consumers in the Bay Area. The allowable increases have ranged between .7% and 2.7% for the last five years. How is it that a monopoly utility like EBMUD should even be considered eligible for such significant rate increases in this environment?

Moreover, transparency and accountability in rate-setting processes are vital. I urge EBMUD to provide detailed justifications for these increases, including clear breakdowns of cost drivers, efficiency measures implemented, and efforts to mitigate the impact on ratepayers. Ratepayers deserve a fair and inclusive process that reflects community input and economic realities.

I am protesting these increases and strongly encourage EBMUD and their governing bodies to reconsider the scale and pace of these increases. More equitable solutions must be explored—such as phased-in adjustments, or improved operational efficiencies—before imposing such a significant financial impact on residents and small businesses in a city that is still recovering from the financial impact of loss of businesses, residents, commuters, and tourism due to ongoing issues from the COVID pandemic.

Thank you for considering this feedback.

Rob McGee



Robert Allen McGee

San Francisco, CA 94111

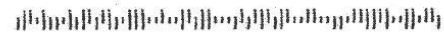
SAN FRANCISCO CA 940

21 MAY 2025 PM 5 L



EBMUD  
ATTN: DIR. OF FINANCE, MS218  
P.O. Box 24055  
OAKLAND, CA 94623-1055

94623-105555



C-117

Last Name of Submission Author(s): B. Moore

Service Address City and Zip Code: Castro Valley CA 94546

Date received by District: April 16, 2025

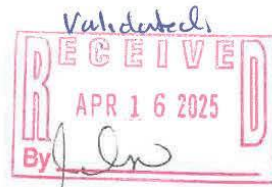
| Information Required of Protests Per District's Notice   | Information Provided? |
|--|-----------------------|
| (1) States the specific rate change for which the Protest is being submitted   | Yes                   |
| (2) Provides the location of the parcel (by customer account number, street address, or assessor's parcel number)          | Yes                   |
| (3) Includes the name and signature of the party submitting the Protest.   | Yes                   |
| Information Required of <i>Objections</i> Per District's Notice  | Information Provided? |
| (4) Indicates the submission is an Objection   | No                    |
| (5) Specifies the grounds for alleging noncompliance with Proposition 218 (Article XIII D of the California Constitution). | No                    |
| Received by the District by mail or delivered in person by 11:59 p.m. on Monday, June 2, 2025.                             | Yes                   |

The submission included commentary about wastewater rates and charges. The District notes that the author's service address is outside of the wastewater service area.

### District Responses:

**The proposed changes to the District's Fiscal Year 2026 and 2027 rates and charges are necessary to meet the District's proposed Biennial Budget for Fiscal Year 2026 and 2027.** As discussed in the memorandum of the General Manager dated March 20, 2025, which is included as part of the Board packet for the March 25, 2025 Budget Workshop #2 and is publicly available at [ebmud.com/rates](http://ebmud.com/rates), the proposed rates for FY 2026 and FY 2027 are calculated to generate the revenues needed to recover costs detailed in the District's proposed FY 2026/FY 2027 Biennial Budget (also available at [ebmud.com/rates](http://ebmud.com/rates)).

To the extent the author makes additional comments outside of the scope of Proposition 218 and Government Code section 53759.1, no additional responses are warranted here.



EBMUD  
Attn: Director of Finance, MS 218  
PO Box 24055  
Oakland CA 94607-4240

April 12, 2025

Dear EBMUD:

I am writing to protest the proposed rate increases for the following:

Monthly Service Charge  
Water Flow Charge  
Elevation Charge  
Wastewater Charge

These will affect my home at [REDACTED] Castro Valley, CA 94546.

There are already too many taxes in our utility bill, and this is just another increase making housing less affordable in California. Thanks for your consideration.

[REDACTED]  
Bill Moore  
[REDACTED]  
Castro Valley CA 94546  
[REDACTED]

ACT [REDACTED]

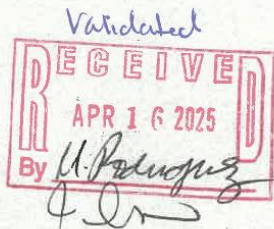


W. Moore

Castro Valley CA 94546

OAKLAND CA 945

14 APR 2025 PM 6 L



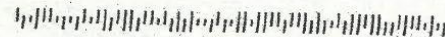
EBMUD

Attn: Director of Finance, MS 218

P.O. Box 24055

Oakland CA 94607-4240

94623-10555



Last Name of Submission Author(s): N. Patel

Service Address City and Zip Code: San Ramon CA 94583

Date received by District: April 24, 2025

| Information Required of Protests Per District's Notice   | Information Provided? |
|--|-----------------------|
| (1) States the specific rate change for which the Protest is being submitted   | Yes                   |
| (2) Provides the location of the parcel (by customer account number, street address, or assessor's parcel number)          | Yes                   |
| (3) Includes the name and signature of the party submitting the Protest.   | Yes                   |
| Information Required of <i>Objections</i> Per District's Notice  | Information Provided? |
| (4) Indicates the submission is an Objection   | No                    |
| (5) Specifies the grounds for alleging noncompliance with Proposition 218 (Article XIII D of the California Constitution). | No                    |
| Received by the District by mail or delivered in person by 11:59 p.m. on Monday, June 2, 2025.                             | Yes                   |

The submission included commentary about wastewater rates and charges. The District notes that the author's service address is outside of the wastewater service area.

### District Responses:

**The proposed changes to the District's Fiscal Year 2026 and 2027 rates and charges are necessary to meet the District's proposed Biennial Budget for Fiscal Year 2026 and 2027.** As discussed in the memorandum of the General Manager dated March 20, 2025, which is included as part of the Board packet for the March 25, 2025 Budget Workshop #2 and is publicly available at [ebmud.com/rates](http://ebmud.com/rates), the proposed rates for FY 2026 and FY 2027 are calculated to generate the revenues needed to recover costs detailed in the District's proposed FY 2026/FY 2027 Biennial Budget (also available at [ebmud.com/rates](http://ebmud.com/rates)).

To the extent the author makes additional comments outside of the scope of Proposition 218 and Government Code section 53759.1, no additional responses are warranted here.

Nilesh Patel

San Ramon, CA 94583-3170



April 21, 2025

EBMUD

ATTN: Director of Finance, MS 218

PO Box 24055

Oakland, CA 94607-4240

RE: Written Protest Letter / Proposed Water **and** Wastewater Rate Increase including monthly service charge, waterflow charge & elevation surcharge

Dear EBMUD:

I, Nilesh Patel oppose the proposed incremental rate increase (beginning 2025 to 2027) for the following parcel:

EBMUD Account Number [REDACTED]

Parcel Number [REDACTED]

Property Location: [REDACTED] San Ramon CA 94583

Assessed To: Nilesh Patel

As costs skyrocket in California, it's very important that our utility companies assess current financial resources and **budget accordingly** vs. continuously ask for more rate increases from homeowners who are already stretched thin and being taken advantage of by other utilities, insurance companies and state/city mandates.

Sincerely,

[REDACTED]

Nilesh Patel

Nilesh Patel

San Ramon, Ca  
94583

OAKLAND CA 945

22 APR 2025 PM 7 L



EBMUD

Attn: Director & Family, MS 218

P.O. Box 24055

Oakland, Ca 94607-4240

94623-105555



C-123

Last Name of Submission Author(s): D. Rodriguez

Service Address City and Zip Code: San Ramon CA 94583

Date received by District: May 2, 2025

| Information Required of Protests Per District's Notice   | Information Provided? |
|--|-----------------------|
| (1) States the specific rate change for which the Protest is being submitted   | Yes                   |
| (2) Provides the location of the parcel (by customer account number, street address, or assessor's parcel number)          | Yes                   |
| (3) Includes the name and signature of the party submitting the Protest.   | Yes                   |
| Information Required of <i>Objections</i> Per District's Notice  | Information Provided? |
| (4) Indicates the submission is an Objection   | No                    |
| (5) Specifies the grounds for alleging noncompliance with Proposition 218 (Article XIII D of the California Constitution). | No                    |
| Received by the District by mail or delivered in person by 11:59 p.m. on Monday, June 2, 2025.                             | Yes                   |

### District Responses:

**The proposed changes to the District's Fiscal Year 2026 and 2027 rates and charges are necessary to meet the District's proposed Biennial Budget for Fiscal Year 2026 and 2027.** As discussed in the memorandum of the General Manager dated March 20, 2025, which is included as part of the Board packet for the March 25, 2025 Budget Workshop #2 and is publicly available at [ebmud.com/rates](http://ebmud.com/rates), the proposed rates for FY 2026 and FY 2027 are calculated to generate the revenues needed to recover costs detailed in the District's proposed FY 2026/FY 2027 Biennial Budget (also available at [ebmud.com/rates](http://ebmud.com/rates)).

To the extent the author makes additional comments outside of the scope of Proposition 218 and Government Code section 53759.1, no additional responses are warranted here.



4/29/2025

EBMUD Rate change Protest

I, Debbie Rodriguez protest Water flow charge, and Elevation surcharge rate changes proposed by EBMUD.

Account Number

Street Address

San Ramon, CA 94583

Parcel #

### Justification for Protest

I received EBMUD mailer detailing proposed rate increases that may go into affect July 2025, and July 2026. I found the proposed rate charts confusing to figure out how my water bill will be impacted. I called EBMUD on 4/28/25. Heidi at EBMUD, helped me analyze my usage/bills for one year. 1/24/24 - 1/23/25. We calculated what my bills would be for those time periods, with my actual water usage, but with the proposed rate changes in place.

|  |               |
|--|---------------|
| My annual water cost for 1/24/24 - 1/23/25               | 1,387.60      |
| Applied proposed rates (that may go into affect July 25) | 1,648.60      |
| Increase   | 261.00        |
| <b>percent Increase</b>                                  | <b>18.81%</b> |

Nearly a 19% increase is not acceptable, so I'm protesting. Rates also increased during 2024. I understand inflation is on the rise, but the US Bureau of Labor Statistics reports that since 2000 (25 years) only 2022 (8%) exceeded 5% inflation. I do expect an increase, but 18% warrants further discussions.

EBMUD mailer says new investments make up almost half of the expenditures, and rate revenue is supplemented by bond funds, new connections fees, and other sources. Please investigate other revenue sources, and cost reductions measure in more depth before increasing rates to customers by such a large percent.

Regards,

Debbie Rodriguez

C-126

Rodriguez

San Ramon, CA 94583

OAKLAND CA 945

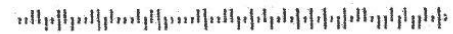
30 APR 2025 PM 7 L

Keep safety in View as We Drive for You!



EBMUD Attn: Director of Finance MS218  
PO Box 24055  
Oakland, CA 94623-1055

94623-105555





Last Name of Submission Author(s): D. Rosenberry

Service Address City and Zip Code: San Leandro CA 94577

Date received by District: May 5, 2025

| Information Required of Protests Per District's Notice   | Information Provided? |
|--|-----------------------|
| (1) States the specific rate change for which the Protest is being submitted   | No                    |
| (2) Provides the location of the parcel (by customer account number, street address, or assessor's parcel number)          | Yes                   |
| (3) Includes the name and signature of the party submitting the Protest.   | Yes                   |
| Information Required of <i>Objections</i> Per District's Notice  | Information Provided? |
| (4) Indicates the submission is an Objection   | No                    |
| (5) Specifies the grounds for alleging noncompliance with Proposition 218 (Article XIII D of the California Constitution). | No                    |
| Received by the District by mail or delivered in person by 11:59 p.m. on Monday, June 2, 2025.                             | Yes                   |

The submission included commentary about wastewater rates and charges. The District notes that the author's service address is outside of the wastewater service area.

### District Responses:

**The proposed changes to the District's Fiscal Year 2026 and 2027 rates and charges are necessary to meet the District's proposed Biennial Budget for Fiscal Year 2026 and 2027.** As discussed in the memorandum of the General Manager dated March 20, 2025, which is included as part of the Board packet for the March 25, 2025 Budget Workshop #2 and is publicly available at [ebmud.com/rates](http://ebmud.com/rates), the proposed rates for FY 2026 and FY 2027 are calculated to generate the revenues needed to recover costs detailed in the District's proposed FY 2026/FY 2027 Biennial Budget (also available at [ebmud.com/rates](http://ebmud.com/rates)).

**EBMUD offers a Customer Assistance Program (CAP) to help pay a portion of the water and wastewater bill for qualified low-income residential customers and eligible homeless shelters.** Eligible customers may qualify for 50 percent off of the standard bimonthly service charge and 50 percent off of water use, up to a maximum of 1,050 gallons per person per month. Eligible customers may also qualify for 35 percent discount on EBMUD wastewater service charge and

flow charges collected will be applied to the account. See [www.ebmud.com/cap](http://www.ebmud.com/cap) for details and eligibility criteria.

To the extent the author makes additional comments outside of the scope of Proposition 218 and Government Code section 53759.1, no additional responses are warranted here.

April 29, 2025

San Leandro City clerk  
Wastewater Rates

[REDACTED]  
San Leandro, Ca 94577



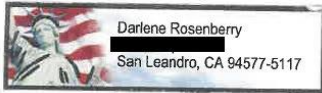
Written Protest of Proposed Increase of  
Water/Wastewater Treatment Services

[REDACTED] San Leandro, CA 94577  
Alameda Co Parcel Number [REDACTED]

I am writing to protest the proposed  
rate increase of water/wastewater  
treatment services. I don't feel as a  
senior homeowner/property owner in  
San Leandro I should have to bear the  
costs in the utility increasing our rates  
by so much in the next 4 years. I am  
on a fixed income, this is too much!

Thank you,

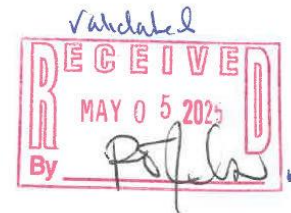
[REDACTED]  
San Leandro, Ca 94577



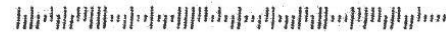
OAKLAND CA 945  
1 MAY 2025 PM 6 L



EBMUD, ATTN: Director of Finance, MS 218  
P.O. Box 24055  
Oakland, CA 94607-4240



94623-105555



C-130

Last Name of Submission Author(s): M. Sanchez

Service Address City and Zip Code: Alamo CA 94507

Date received by District: April 28, 2025

| Information Required of Protests Per District's Notice   | Information Provided? |
|--|-----------------------|
| (1) States the specific rate change for which the Protest is being submitted   | Yes                   |
| (2) Provides the location of the parcel (by customer account number, street address, or assessor's parcel number)          | Yes                   |
| (3) Includes the name and signature of the party submitting the Protest.   | Yes                   |
| Information Required of <i>Objections</i> Per District's Notice  | Information Provided? |
| (4) Indicates the submission is an Objection   | No                    |
| (5) Specifies the grounds for alleging noncompliance with Proposition 218 (Article XIII D of the California Constitution). | No                    |
| Received by the District by mail or delivered in person by 11:59 p.m. on Monday, June 2, 2025.                             | Yes                   |

The submission included commentary about wastewater rates and charges. The District notes that the author's service address is outside of the wastewater service area.

### District Responses:

**The proposed changes to the District's Fiscal Year 2026 and 2027 rates and charges are necessary to meet the District's proposed Biennial Budget for Fiscal Year 2026 and 2027.** As discussed in the memorandum of the General Manager dated March 20, 2025, which is included as part of the Board packet for the March 25, 2025 Budget Workshop #2 and is publicly available at [ebmud.com/rates](http://ebmud.com/rates), the proposed rates for FY 2026 and FY 2027 are calculated to generate the revenues needed to recover costs detailed in the District's proposed FY 2026/FY 2027 Biennial Budget (also available at [ebmud.com/rates](http://ebmud.com/rates)).

**The District's proposed rates are compliant with the cost of service and proportionality requirements of Proposition 218.** The District's rates and charges are calculated to be proportional to the District's cost to provide service to individual parcels/customer accounts. The proportionality of the District's rates is established by the District's water and wastewater cost of service rate studies. As discussed in the Notice, the cost of service rate studies are

available at [ebmud.com/rates](http://ebmud.com/rates) and printed copies will be mailed to a party upon request and are available at the District's Office of the Secretary for public review.

**The District is a public, not-for-profit water agency and complies with all laws related to transparency, public information, and financial reporting.** District Board meetings are open to the public. See [www.ebmud.com/board-meetings](http://www.ebmud.com/board-meetings) for information about past and upcoming Board meetings and how to provide public comment. Recent meetings of the District's Board of Directors where the proposed FY 2026/2027 rates and/or the proposed FY 2026/2027 Biennial Budget have been agendized include:

- May 13, 2025 Board of Directors Meeting
- March 25, 2025 Budget Workshop #2
- January 28, 2025 Budget Workshop #1
- November 26, 2024 Infrastructure Workshop

Materials from these meetings are available at [www.ebmud.com/rates](http://www.ebmud.com/rates).

The District's audited financial statements are publicly available at [www.ebmud.com/about-us/financial-information/financial-reports](http://www.ebmud.com/about-us/financial-information/financial-reports).

To the extent the author makes additional comments outside of the scope of Proposition 218 and Government Code section 53759.1 or regarding prior rates and charges, no additional responses are warranted here.



April 18, 2025

Mauricio Sanchez

Alamo, CA 94507

email: [REDACTED]

Sophia Skoda

Director of Finance

East Bay Municipal Utility District

375 Eleventh Street

Oakland, CA 94607

Dear Director of Finance:

I appreciate the District's commitment to delivering safe and reliable water and wastewater services, and I acknowledge the significant planning that has gone into the FY 2026–27 budget. After a detailed review of the March 20, 2025, Budget Workshop materials and the 2025 Water Cost-of-Service (COS) Rate Study, I am submitting this formal protest because several elements of the proposal appear neither fully justified nor sufficiently transparent.

#### **Rates being protested**

I respectfully protest the following proposed schedules and charges contained in the Proposition 218 Notice:

- Schedule A – Water Service
  - Monthly Meter Service Charges for all meter sizes (FY 2026 and FY 2027)
  - Potable Water Volumetric Rates for Single-Family Residential Tiers 1–3, Multi-Family Residential, and All-Other classes (FY 2026 and FY 2027)
- Schedule D – Wastewater Treatment
  - Treatment Service Charge, Flow Charge, and Strength Charges (FY 2026 and FY 2027)
- Schedule E – Wet-Weather Facilities Charge
  - All lot-size categories (FY 2026 and FY 2027)

#### **Reasons for the protest**

##### **1. Affordability and pace**

- The combined water-rate increase of 13.4 percent over two years and the wastewater increase of 17.7 percent outpace recent CPI and median income



- growth. Larger households and landscape-dependent properties would face particularly sharp bill impacts.
- Customer Assistance Program thresholds have not been updated since 2022, leaving vulnerable customers exposed to the full increase.
  - The 8.5 %-per-year wastewater increase is based on a 2019 COS study, while capital outlays rise 40 percent in FY 2026 with little project detail. In addition, the Wet-Weather Facilities Charge—which offers no low-income discount—is increasing in parallel with the treatment flow charge, raising concerns about double-recovery and regressivity.
2. Opacity of the capital program
    - The water Capital Improvement Program requires an additional 88 million dollars in rate revenue, yet project-level business cases and alternatives (deferral, state or federal grants, phased scope) are not available for public review. Independent value-for-money audits would help rate-payers understand the necessity and timing of each project.
  3. Operational-efficiency questions
    - Operating, chemical, energy, and labor costs are projected to rise by 79 million dollars from FY 2025 to FY 2027, while water sales remain essentially flat. The District should publish productivity targets, such as main breaks per 100 miles, non-revenue water, or treatment-plant energy intensity, and commit to annual reporting before increasing rates.
  4. Structural issues in wastewater rates
    - Both the WWFC and the Treatment Flow Charge rise 8.5 %. Because infiltration and inflow (I/I) volumes are already built into the flow rate, raising the parcel-based WWFC by the same percentage risks charging twice for the same I/I cost pool.
    - The WWFC is collected on property-tax bills and offers no low-income discount, unlike the water Customer Assistance Program. Larger-lot senior homeowners on fixed incomes will pay \$45–\$49 more per year with no relief mechanism.
    - The IJA and State Revolving Fund programs are disbursing billions for nutrient-removal and resilience projects through 2026. The District should document grant applications and assumed awards before pushing an 8.5 % annual hike onto rate-payers.
  5. Revenue-volatility risk
    - By shifting tens of millions of dollars from the fixed meter charge into volumetric tiers, the proposal increases the District's exposure to swings in sales—whether from future conservation mandates, efficiency gains, or climate-driven precipitation variability. A 5 % drop in billed volume (similar to what occurred during the

exceptionally wet spring of 2023) would create a revenue gap of roughly \$25 million, forcing either reserve draws or an unscheduled surcharge and undermining rate stability.

6. Signal inconsistency

- The COS model shows that the smallest meter category previously over-recovered by almost 50 percent, yet the District simultaneously projects a 48.6 million-dollar revenue shortfall for FY 2026. Reducing fixed charges while claiming an urgent funding gap sends mixed signals to customers and credit-rating agencies.

7. Sensitivity of key assumptions

- Critical allocation factors—such as the 78 percent / 22 percent split of treatment-plant costs between base and peaking components—were adopted without a published sensitivity analysis. Small changes in these assumptions can materially shift costs between fixed and variable charges.

**Recommendations**

1. **Phase-in approach:** Cap any annual increase at CPI plus a defined infrastructure surcharge, revisited annually, to smooth customer impacts.
2. **Independent CIP audit:** Engage a third-party engineering firm to prioritise projects based on regulatory deadlines and risk-of-failure criteria, and publish the results before adopting new rates.
3. **Enhanced low-income protections:** Adjust eligibility thresholds and discount percentages so that qualifying households experience no more than CPI-level bill increases.
4. **Broaden non-rate funding:** Pursue Infrastructure Investment and Jobs Act grants, State Revolving Fund loans, and seismic-resilience funding before resorting to higher rates.

I support prudent investment in critical infrastructure, but I believe a more transparent, data-driven process—one that rigorously tests assumptions and explores alternative financing—will yield a stronger and more equitable financial plan. I respectfully request that the Board defer action on the current proposal and direct staff to revisit these issues.

Thank you for your consideration.

Sincerely,



Mauricio S.

MAURICIO S.

ALAMU, CA 94607

OAKLAND CA 945

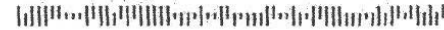
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DIRECTOR OF FINANCE  
EBMVD  
375 ELEVENTH ST.  
OAKLAND, CA

94607

94607-424099



Last Name of Submission Author(s): M. Seedall

Service Address City and Zip Code: Oakland CA 94618

Date received by District: June 2, 2025

| Information Required of Protests Per District's Notice   | Information Provided? |
|--|-----------------------|
| (1) States the specific rate change for which the Protest is being submitted   | Yes                   |
| (2) Provides the location of the parcel (by customer account number, street address, or assessor's parcel number)          | Yes                   |
| (3) Includes the name and signature of the party submitting the Protest.   | Yes                   |
| Information Required of <i>Objections</i> Per District's Notice  | Information Provided? |
| (4) Indicates the submission is an Objection   | No                    |
| (5) Specifies the grounds for alleging noncompliance with Proposition 218 (Article XIII D of the California Constitution). | No                    |
| Received by the District by mail or delivered in person by 11:59 p.m. on Monday, June 2, 2025.                             | Yes                   |

### District Responses:

**The proposed changes to the District's Fiscal Year 2026 and 2027 rates and charges are necessary to meet the District's proposed Biennial Budget for Fiscal Year 2026 and 2027.** As discussed in the memorandum of the General Manager dated March 20, 2025, which is included as part of the Board packet for the March 25, 2025 Budget Workshop #2 and is publicly available at [ebmud.com/rates](http://ebmud.com/rates), the proposed rates for FY 2026 and FY 2027 are calculated to generate the revenues needed to recover costs detailed in the District's proposed FY 2026/FY 2027 Biennial Budget (also available at [ebmud.com/rates](http://ebmud.com/rates)).

**The District is a public, not-for-profit water agency and complies with all laws related to transparency, public information, and financial reporting.** District Board meetings are open to the public. See [www.ebmud.com/board-meetings](http://www.ebmud.com/board-meetings) for information about past and upcoming Board meetings and how to provide public comment. Recent meetings of the District's Board of Directors where the proposed FY 2026/2027 rates and/or the proposed FY 2026/2027 Biennial Budget have been agendized include:

- May 13, 2025 Board of Directors Meeting
- March 25, 2025 Budget Workshop #2

- January 28, 2025 Budget Workshop #1
- November 26, 2024 Infrastructure Workshop

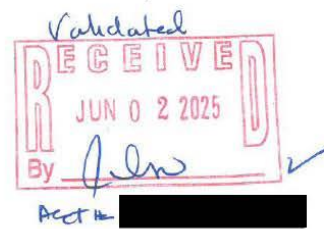
Materials from these meetings are available at [www.ebmud.com/rates](http://www.ebmud.com/rates).

The District's audited financial statements are publicly available at [www.ebmud.com/about-us/financial-information/financial-reports](http://www.ebmud.com/about-us/financial-information/financial-reports).

To the extent the author makes additional comments outside of the scope of Proposition 218 and Government Code section 53759.1, no additional responses are warranted here.

May 29, 2025

EBMUD, ATTN: Director of Finance, MS 218  
Sophia Skoda  
PO Box 24055  
Oakland, CA 94607-4240



Subject: Protest of Rate Increases for FY 26 and FY 27

Dear Ms. Skoda (EBMUD Director of Finance):

The purpose of this correspondence is to protest the significant proposed rate increases that are set forth in a glossy six-page brochure sent to my home at [redacted] Oakland CA, 94618. I am protesting all the rate increases for both water and wastewater services. The proposed rate increases far exceed the rate of inflation. Increasing water rates on average by 6.5% per year and wastewater rates by 8.5% per year are significantly above rates of inflation in the Bay Area.

The EBMUD water rate increases follow increases in 2024 and 2025 of 8.5% per year. While residents within the Bay Area struggle to make ends meet, EBMUD is increasing its rates by 7.5% per year.

The mean customer who uses 175 gallons of water per day will see their rates rise by approximately 12% in FY 26 and 6.5% in FY 27. Very significant for most customers and clearly not sustainable for the long term. The brochure is very careful not to show any percentage increases in the proposed rates. Those calculations are left to the customer. Instead, EBMUD attempts to show how little the costs are increasing for its smallest water users, those customers who use 125 gallons of water per day or less.

In 2024 the Bay Area Consumer Price Increase reached a high of 3.8% and by years end was around 2.4%. Any rate increase above this level without a detailed explanation is unacceptable.

I was deeply disappointed to read about how the EBMUD Board has been addressing water issues of late. Arguing about parking spaces appears to be a more important concern of EBMUD Directors than working on how to manage costs within EBMUD.

Nothing in the EBMUD brochure says anything about what EBMUD is trying to do to manage costs. One must seriously wonder why EBMUD is not doing more to lower costs and to shift its attention to what is needed the most to support water infrastructure improvements.

EBMUD FY 26/FY27 Rate Increase Protest  
May 29, 2025

I attended the May 21 Water Wednesday meeting and want to express my concerns about how little information was presented within that meeting. I thought that Sophia Skoda and Sam Feldman did very little to really explain how EBMUD can justify such a large rate increase. Most of their presentation was on the background of EBMUD and not much was on the pending rate increase. My questions were not answered during the meeting about how much the rates are increasing (in terms of total revenues) and in addition, how much new recycled water EBMUD is forecasted to use in the latest budget.

Ms. Skoda made remarks about how EBMUD compares to PG&E and Contra Costa Water. Ms. Skoda suggested that EBMUD's water is far superior to Contra Costa and then compared how EBMUD is regulated relative to PG&E. I am not sure what either entity has to do with EBMUD's rate increases?

Comparing EBMUD to PG&E is interesting in that PG&E is regulated by the California Public Utilities Commission (CPUC) while EBMUD is regulated by an elected Board of Directors. It appears that the elected EBMUD Directors are doing little to regulate the extremely high rate increases that greatly exceed the Bay Area rate of inflation. It appears that having an independent regulator like the CPUC overseeing EBMUD proposed rate increase could ensure more discipline on the part of EBMUD staff and the Board in recommending large rate increases.

I have been expressing concerns to EBMUD for many years over the large and not well-explained rate increases that have resulted in water rates doubling every 10 years. While I continue to support EBMUD as much as possible, I remain concerned that EBMUD is not focused on serving customers as a priority. It is of vital importance that every dollar collected by EBMUD is used efficiently to support water and wastewater services.

Respectfully submitted

[REDACTED]  
Mark A. Seedall

[REDACTED]  
Oakland CA 94618  
[REDACTED]

cc: Marguerite Young, EBMUD Board of Director Ward 3



MarkSeedell

Oakland CA 94618

OAKLAND CA 945  
29 MAY 2025 PM 7 L



EBMVD, ATT Director of Finance

MS 218

P.O. Box 24055

Oakland, CA

94607-4240

94623-105555



Last Name of Submission Author(s): D. Sewell, S. Sewell

Service Address City and Zip Code: Walnut Creek CA 94596

Date received by District: May 22, 2025

| Information Required of Protests Per District's Notice   | Information Provided? |
|--|-----------------------|
| (1) States the specific rate change for which the Protest is being submitted   | Yes                   |
| (2) Provides the location of the parcel (by customer account number, street address, or assessor's parcel number)          | Yes                   |
| (3) Includes the name and signature of the party submitting the Protest.   | Yes                   |
| Information Required of <i>Objections</i> Per District's Notice  | Information Provided? |
| (4) Indicates the submission is an Objection   | No                    |
| (5) Specifies the grounds for alleging noncompliance with Proposition 218 (Article XIII D of the California Constitution). | No                    |
| Received by the District by mail or delivered in person by 11:59 p.m. on Monday, June 2, 2025.                             | Yes                   |

### District Responses:

**The proposed changes to the District's Fiscal Year 2026 and 2027 rates and charges are necessary to meet the District's proposed Biennial Budget for Fiscal Year 2026 and 2027.** As discussed in the memorandum of the General Manager dated March 20, 2025, which is included as part of the Board packet for the March 25, 2025 Budget Workshop #2 and is publicly available at [ebmud.com/rates](http://ebmud.com/rates), the proposed rates for FY 2026 and FY 2027 are calculated to generate the revenues needed to recover costs detailed in the District's proposed FY 2026/FY 2027 Biennial Budget (also available at [ebmud.com/rates](http://ebmud.com/rates)).

To the extent the author makes additional comments outside of the scope of Proposition 218 and Government Code section 53759.1, no additional responses are warranted here.

Dennis & Susan Sewell

[REDACTED]

Walnut Creek, CA 94596

APN # [REDACTED]



May 19, 2025

EBMUD

Attn: Director of Finance MS 218

PO Box 24055

Oakland CA. 94623-1055

**Subject:** Formal Protest of Proposed Water Rate Increases (Water Flow Charge & Elevation Surcharge increases) for FY 2026 and 2027

To Whom It May Concern,

We are writing to express our strong opposition to EBMUD's proposed rate increases for fiscal years 2026 and 2027, particularly the hikes to the **Water Flow Charge** and the **Elevation Surcharge**. While we acknowledge the slight decrease in the monthly service charge, it is wholly insufficient to offset the significantly higher burden these other increases would place on customers.

California residents already bear the weight of skyrocketing costs in nearly every aspect of daily life—housing, energy, insurance, and food. These proposed rate hikes come at a time when many families and individuals simply cannot absorb yet another financial hit.

EBMUD has previously justified rate increases due to drought conditions. There is no drought now. Despite improved water conditions, rates have not declined. It is unreasonable and unjustifiable to continue raising rates under these circumstances.

Your customers deserve fair and responsible rate policies that reflect current conditions, not an endless cycle of increases without relief.

I urge you to reconsider these proposed rate hikes and seek alternatives that do not further burden the residents of this region.

Sincerely,

[REDACTED]

Dennis and Susan Sewell



OAKLAND CA 945  
20 MAY 2025 PM 4 L

EBMUD  
Attn: Director of Finance MS218  
PO Box 24055  
Oakland, CA 94623-1055

94623-1055

Validated  
RECEIVED  
MAY 22 2025  
By a/c [unclear]  
4-02

Last Name of Submission Author(s): A. Shapiro

Service Address City and Zip Code: Castro Valley CA 94546

Date received by District: April 28, 2025

| Information Required of Protests Per District's Notice   | Information Provided? |
|--|-----------------------|
| (1) States the specific rate change for which the Protest is being submitted   | Yes                   |
| (2) Provides the location of the parcel (by customer account number, street address, or assessor's parcel number)          | Yes                   |
| (3) Includes the name and signature of the party submitting the Protest.   | Yes                   |
| Information Required of <i>Objections</i> Per District's Notice  | Information Provided? |
| (4) Indicates the submission is an Objection   | No                    |
| (5) Specifies the grounds for alleging noncompliance with Proposition 218 (Article XIII D of the California Constitution). | No                    |
| Received by the District by mail or delivered in person by 11:59 p.m. on Monday, June 2, 2025.                             | Yes                   |

### District Responses:

**The proposed changes to the District's Fiscal Year 2026 and 2027 rates and charges are necessary to meet the District's proposed Biennial Budget for Fiscal Year 2026 and 2027.** As discussed in the memorandum of the General Manager dated March 20, 2025, which is included as part of the Board packet for the March 25, 2025 Budget Workshop #2 and is publicly available at [ebmud.com/rates](http://ebmud.com/rates), the proposed rates for FY 2026 and FY 2027 are calculated to generate the revenues needed to recover costs detailed in the District's proposed FY 2026/FY 2027 Biennial Budget (also available at [ebmud.com/rates](http://ebmud.com/rates)).

To the extent the author makes additional comments outside of the scope of Proposition 218 and Government Code section 53759.1, no additional responses are warranted here.

Protest

- ① Single-Family Residential  
monthly charge hike
- ② [REDACTED]
- ③ Castro Valley, CA 94546  
Aisha Shapiro

[REDACTED]  
4/22/2025



water & wastewater

Validated



Finalized





Mr. Michael Shapiro  
[Redacted]  
Castro Valley, CA 94546

OAKLAND CA 945

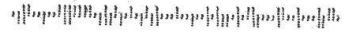
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RECEIVED  
APR 28 2025  
By [Signature]

EBMUD, Attn: Director of  
Finance, MS 218,  
PO Box 24055  
Oakland, CA 94623-1055

94623-10555



Last Name of Submission Author(s): D. Tracq

Service Address City and Zip Code: Castro Valley CA 94546

Date received by District: May 8, 2025

| Information Required of Protests Per District's Notice   | Information Provided? |
|--|-----------------------|
| (1) States the specific rate change for which the Protest is being submitted   | Yes                   |
| (2) Provides the location of the parcel (by customer account number, street address, or assessor's parcel number)          | Yes                   |
| (3) Includes the name and signature of the party submitting the Protest.   | Yes                   |
| Information Required of <i>Objections</i> Per District's Notice  | Information Provided? |
| (4) Indicates the submission is an Objection   | No                    |
| (5) Specifies the grounds for alleging noncompliance with Proposition 218 (Article XIII D of the California Constitution). | No                    |
| Received by the District by mail or delivered in person by 11:59 p.m. on Monday, June 2, 2025.                             | Yes                   |

### District Responses:

**The proposed changes to the District's Fiscal Year 2026 and 2027 rates and charges are necessary to meet the District's proposed Biennial Budget for Fiscal Year 2026 and 2027.** As discussed in the memorandum of the General Manager dated March 20, 2025, which is included as part of the Board packet for the March 25, 2025 Budget Workshop #2 and is publicly available at [ebmud.com/rates](http://ebmud.com/rates), the proposed rates for FY 2026 and FY 2027 are calculated to generate the revenues needed to recover costs detailed in the District's proposed FY 2026/FY 2027 Biennial Budget (also available at [ebmud.com/rates](http://ebmud.com/rates)).

**EBMUD offers a Customer Assistance Program (CAP) to help pay a portion of the water and wastewater bill for qualified low-income residential customers and eligible homeless shelters.** Eligible customers may qualify for 50 percent off of the standard bimonthly service charge and 50 percent off of water use, up to a maximum of 1,050 gallons per person per month. Eligible customers may also qualify for 35 percent discount on EBMUD wastewater service charge and flow charges collected will be applied to the account. See [www.ebmud.com/cap](http://www.ebmud.com/cap) for details and eligibility criteria.

To the extent the author makes additional comments outside of the scope of Proposition 218 and Government Code section 53759.1, no additional responses are warranted here.

Daniel Tracq

Castro Valley, CA 94546

Acct. # [REDACTED]



05/06/2025

To: EBMUD, Director of Finance, MS 218

Re: Proposed rate increase

I am writing to formally protest the proposed increase in my water service rate, effective July 1, 2025. As a long-time customer of your service, I value the work you do, but I am concerned about the justification for this rate hike.

The increase from \$20.82 to \$22.59 to \$24.49 represents a 17.5% rise, which, when combined with all other cost of living and utility increases, is difficult to absorb, particularly without a corresponding improvement in service or a clear explanation of increased costs. As a customer, I respectfully request a detailed breakdown of the reasons behind this price adjustment.

Additionally, I would appreciate knowing what options may be available to mitigate this cost, such as lower-tier service plans, discounts for seniors or low-income households, or opportunities for recycling credits.

Please consider my protest and provide a timely response.

Sincerely,

[REDACTED]

Daniel Tracq



Susan Tracq

Castro Valley, CA 94546-1540

OAKLAND CA 945

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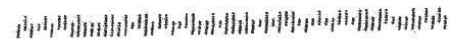


EBMUD  
ATTN: Director of Finance, MS 218  
P.O. Box 24055  
OAKLAND, CA 94623-1055



4 Jon

94623-10555



C-152

Last Name of Submission Author(s): D. Woram, T. Woram

Service Address City and Zip Code: Danville CA 94506

Date received by District: June 2, 2025

| Information Required of Protests Per District's Notice   | Information Provided? |
|--|-----------------------|
| (1) States the specific rate change for which the Protest is being submitted   | Yes                   |
| (2) Provides the location of the parcel (by customer account number, street address, or assessor's parcel number)          | Yes                   |
| (3) Includes the name and signature of the party submitting the Protest.   | Yes                   |
| Information Required of <i>Objections</i> Per District's Notice  | Information Provided? |
| (4) Indicates the submission is an Objection   | No                    |
| (5) Specifies the grounds for alleging noncompliance with Proposition 218 (Article XIII D of the California Constitution). | No                    |
| Received by the District by mail or delivered in person by 11:59 p.m. on Monday, June 2, 2025.                             | Yes                   |

### District Responses:

**The proposed changes to the District's Fiscal Year 2026 and 2027 rates and charges are necessary to meet the District's proposed Biennial Budget for Fiscal Year 2026 and 2027.** As discussed in the memorandum of the General Manager dated March 20, 2025, which is included as part of the Board packet for the March 25, 2025 Budget Workshop #2 and is publicly available at [ebmud.com/rates](http://ebmud.com/rates), the proposed rates for FY 2026 and FY 2027 are calculated to generate the revenues needed to recover costs detailed in the District's proposed FY 2026/FY 2027 Biennial Budget (also available at [ebmud.com/rates](http://ebmud.com/rates)).

**The Elevation Surcharge recovers costs associated with pumping plants serving portions of the water service area at elevations that cannot be served without pumping.** Within the District's water service areas, locations at or above approximately 200 feet above sea level cannot be served without pumping. The elevation bands (Bands 1, 2 and 3) and the basis for the Elevation Surcharge are detailed in Appendix G of the 2025 COS Rate Study.

To the extent the author makes additional comments outside of the scope of Proposition 218 and Government Code section 53759.1, no additional responses are warranted here.



May 31, 2025

EBMUD

ATTN: Director of Finance, MS 218

PO Box 24055

Oakland CA 94623-1055

Subject: Protest Letter

Parcel: [REDACTED] Danville CA 94506-1901. Acct # [REDACTED] Elev Band 3

Dear Director:

My name is Deidre Woram. My husband Terence and I are the owners of record of the property identified at the above address.

I am formally writing to PROTEST the Monthly Service Charge rates and Elevation Surcharge rates proposed by EBMUD for FY2026 and FY2027.

EBMUD has increased rates relentlessly since we moved into this house in 2004, at a rate ~3x the CPI rate of inflation. Let me offer some specifics:

Current water rates have already increased 98% since 2015. You are proposing Tier 1/2/3 increases this July of 46%/23%/10% which will boost my warm period (~20 Unit/month) water cost by 28%! And a further 6% in July 2026. That is outrageous.

Elevation charges are another rip-off. Our Elev Band 3 charges have already increased 97% since 2015. You are now proposing for July a further 18% increase and 6% more for July 2026. Your costs to pump water have not increased this aggressively.

I acknowledge your small concession on the proposed meter rates from \$35/mo. to \$26-28, which had doubled since 2015. However this is insignificant compared to your proposed rate increases.



We've had water bills ~\$1,000 last year despite installing low flow irrigation and a smart controller. Our in-home usage is very reasonable. Bills of \$1200+ are now imminent and are unacceptable to us.

EBMUD needs to engage in self-help measures to cut costs. Spread out your capex work. Look hard at your staffing – when was the last re-org and significant downsizing? Your pension and health benefits are gold plated - do you need to pay the generous schedule of salaries we observe in your declarations and on Indeed?

These relentless and aggressive rate increases have to stop. I wish there was an overarching regulatory agency to constrain your monopoly power. We are planning to attend your June 10 Public Hearing.

Sincerely,

A large black rectangular redaction box covering the signature area.

Terence Woram

Deidre Woram

C-157

Wesam

Sanville CA

94506

OAKLAND CA 945

31 MAY 2025 PM 6 L



EBMUD

Attn: Director of Finance MS-218

PO Box 24055

OAKLAND, CA

94623-1055



94623-105555



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## ITEM 15

### PUBLIC HEARING

Conduct a Public Hearing to consider the Report and Recommendation of the General Manager for Revisions to the Water and Wastewater Schedules of Rates and Charges Subject to Proposition 218 for Fiscal Years 2026 and 2027 and to comply with Proposition 218 requirements.

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## ITEM 16

### PUBLIC HEARING

Conduct a Public Hearing to consider the Report and Recommendation of the General Manager for Revisions to the Water and Wastewater Schedules of Rates and Charges, Capacity Charges, and Other Fees Not Subject to Proposition 218 for Fiscal Year 2026 and to Select Regulations.



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## BOARD ACTION

|                |     |               |               |
|----------------|-----|---------------|---------------|
| Agenda Number: | 17. | Meeting Date: | June 10, 2025 |
|----------------|-----|---------------|---------------|

**TITLE**                      **REVISIONS TO WATER AND WASTEWATER RATES AND CHARGES SUBJECT TO PROPOSITION 218 FOR FISCAL YEAR 2026 AND FISCAL YEAR 2027**


**ACTION**                      ☐ Motion:                      ☒ Resolution:                      ☐ Ordinance:

**RECOMMENDED ACTION**                      Adopt the rates and charges subject to Proposition 218 recommended in the Report and Recommendation of the General Manager for Revisions to the Water and Wastewater Schedules of Rates and Charges Subject to Proposition 218 for Fiscal Years (FY) 2026 and 2027 filed with the Board of Directors on May 13, 2025.

**SUMMARY**                      The recommended action revises rates and charges subject to Proposition 218 to support the FY 2026 and FY 2027 Operating and Capital Budgets for the Water and Wastewater systems as presented in the Report and Recommendation of the General Manager for Revisions to the Water and Wastewater Schedules of Rates and Charges Subject to Proposition 218 filed with the Board on May 13, 2025. In addition to the Public Hearing on the proposed changes to Water and Wastewater rates and charges subject to Proposition 218 scheduled for the June 10, 2025 Board meeting, the Board held budget workshops on January 28, 2025 and March 25, 2025 to review the proposed operating and capital budgets and the proposed changes to rates and charges.

**DISCUSSION**                      The recommended changes to the schedules of rates and charges subject to Proposition 218 are summarized below and are attached as Appendix A – Water and Wastewater System Schedules of Rates and Charges.

- Revise Schedule A of the Water System Schedules of Rates and Charges (see Appendix A) including revisions to monthly Water Service Charge, Water Flow Charge, Private Fire Service Charge, and Elevation Surcharge.
- Revise Schedule L (see Appendix A) including revisions to the Drought Surcharges on Total Water Flow Charge for Water Delivered.
- Revise Schedule A of the Wastewater System Schedules of Rates and Charges (see Appendix A), including revisions to the Wastewater Rates for Treatment Service (Monthly Service Charge, Strength Charge, and Flow Charge).
- Revise Schedule B of the Wastewater System Schedules of Rates and Charges (see Appendix A), including revisions to the Wet Weather Facilities Charge (WWFC). The WWFC is based on customer lot size and is collected on the property tax bill pursuant to the District's authority under the California Health & Safety Code (H&SC). Additional

|   |   |                          |   |
|---|---|--------------------------|---|
| <b>Originating Department:</b><br>Finance   | <b>Department Director or Manager:</b><br>Sophia D. Skoda | <b>CEP Forms?</b><br>N/A | <b>Board Action Type:</b><br>Financial  |
| <b>Funds Available:</b><br>N/A  | <b>Budget Coding:</b><br>N/A                              |                          | <b>Approved:</b><br> |
| <b>Attachment(s):</b><br>Appendix A – Water and Wastewater System Schedule of Rates, Charges, Fees Subject to Proposition 218; Resolution |   |                          |   |

|        |  |               |               |
|--------|--|---------------|---------------|
| Title: | Revisions to Water and Wastewater Rates and Charges Subject to Proposition 218 for Fiscal Year 2026 and Fiscal Year 2027 | Meeting Date: | June 10, 2025 |
|--------|--|---------------|---------------|

Board actions related to the WWFC pursuant to H&SC are requested via a separate BD-001 and resolution.

The rate changes are recommended to be effective for services rendered on or after July 1, 2025 for FY 2026, and for services rendered on or after July 1, 2026 for FY 2027.

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**SUSTAINABILITY****Economic**

The updated rates and charges in the schedules for both the water and wastewater systems are consistent with Board financial policy goals and recover costs identified in the proposed FY 2026 and FY 2027 operating and capital budgets.

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**ALTERNATIVE**

**Do not adopt the recommended changes to the schedules of rates and charges.** This alternative is not recommended because the current rates would not adequately recover the costs of providing water and wastewater services to ratepayers.

I:\Sec\2025 Board Related Items\061025 Board Agenda Items\FIN\Rates (Prop 218) Adoption 061025.docx

# Appendix A – Recommended Schedules of Rates, Charges and Fees for FY 2026 and FY 2027

## Water System

Schedule A – Rate Schedule For Water Service

Schedule L – Drought Surcharge Rate Schedule For Water Service

## Wastewater System

Schedule A – Wastewater Department Rates For Treatment Service

Schedule B – Wastewater Department Wet Weather Facilities Charge

# Schedule A

## Rate Schedule for Water Service

FY 2026



## SCHEDULE A – RATE SCHEDULE FOR WATER SERVICE

EFFECTIVE 07/01/2025~~24~~

### A. METER READING AND BILLING SCHEDULES

Customer accounts shall generally be subject to bimonthly meter readings and bimonthly billing schedules (bimonthly meaning once every two months) but may be subject to monthly meter readings and monthly billing schedules. The billing period for a customer account is the time between meter readings.

### A.B. WATER SERVICE CHARGE~~ONE MONTH BILLING~~

Bills for all metered services shall include a WATER SERVICE CHARGE based on the size of the meter~~consist of:~~

~~FIRST—A WATER SERVICE CHARGE based on the size of a standard meter:~~

| METER SIZE       | SERVICE CHARGE AMOUNT | <u>SERVICE CHARGE AMOUNT (MONTHLY BILLING)</u> | <u>SERVICE CHARGE AMOUNT (BI-MONTHLY BILLING)</u> |
|------------------|-----------------------|--|---|
| 5/8 and 3/4 inch | <del>\$35.48</del>    | <u>\$26.85</u>                                 | <u>\$53.70</u>                                    |
| 1 inch           | <del>53.60</del>      | <u>40.94</u>                                   | <u>81.88</u>                                      |
| 1-1/2 inch       | <del>98.94</del>      | <u>76.14</u>                                   | <u>152.28</u>                                     |
| 2 inch           | <del>153.23</del>     | <u>118.37</u>                                  | <u>236.74</u>                                     |
| 3 inch           | <del>298.19</del>     | <u>252.14</u>                                  | <u>504.28</u>                                     |
| 4 inch           | <del>461.24</del>     | <u>428.13</u>                                  | <u>856.26</u>                                     |
| 6 inch           | <del>914.09</del>     | <u>956.12</u>                                  | <u>1,912.24</u>                                   |
| 8 inch           | <del>1,457.58</del>   | <u>1,132.11</u>                                | <u>2,264.22</u>                                   |
| 10 inch          | <del>2,091.64</del>   | <u>1,624.90</u>                                | <u>3,249.80</u>                                   |
| 12 inch          | <del>2,906.86</del>   | <u>2,258.49</u>                                | <u>4,516.98</u>                                   |
| 14 inch          | <del>3,722.02</del>   | <u>2,892.07</u>                                | <u>5,784.14</u>                                   |
| 16 inch          | <del>4,718.40</del>   | <u>3,666.46</u>                                | <u>7,332.92</u>                                   |
| 18 inch          | <del>5,714.75</del>   | <u>4,440.84</u>                                | <u>8,881.68</u>                                   |

The service charge for a special type of meter or for a battery of meters installed on one service in lieu of one meter will be based on the size of a single standard meter of equivalent capacity as determined by the District.

Effective July 1, 1997, when a meter larger than 4 inches is required for a single-family residential customer to maintain adequate water pressure, the maximum service charge amount shall be set at the 4-inch meter level.



## SCHEDULE A – RATE SCHEDULE FOR WATER SERVICE

EFFECTIVE 07/01/2025~~24~~

### B.C. WATER FLOW CHARGE

Bills for all metered services shall include a WATER FLOW CHARGE based on meter readings measuring the units of water delivered during the billing period (1 unit = 748 gallons = 100 cubic feet = 1 centum cubic foot (CCF)):

~~SECOND—A WATER FLOW CHARGE FOR WATER DELIVERED based on one month meter readings for all water delivered per unit of water (1 unit = 100 cu. ft. = 748 gallons):~~

| <u>Potable Water Service</u>   | <del>WATER FLOW</del><br><del>CHARGE</del><br><u>VOLUMETRIC</u><br><u>RATE PER UNIT</u> |
|--|---|
| Single-Family Residential Accounts:  |   |
| For the first <u>7 units/month</u> <del>172 gpd</del>  | <del>\$7.89</del> <u>\$5.41</u>   |
| For all water used in excess of <u>7 units/month</u> <del>172 gpd</del> , up to <u>16 units/month</u> <del>**393 gpd</del> | <u>9.15</u> <del>7.44</del>   |
| For all water used in excess of <u>16 units/month</u> <del>**393 gpd</del>   | <u>10.79</u> <del>9.83</del>  |
| Multi-Family Residential Accounts:   |   |
| For all water used   | <u>8.31</u> <del>7.65</del>   |
| All Other Water Use:   |   |
| For all water used   | <u>8.52</u> <del>7.62</del>   |

\*\* Billed as 7 units/month for services billed monthly and 14 units/bimonthly for services billed bi-monthly. Equates to approximately 172 gallons per day.

\*\* Billed as 16 units/month for services billed monthly and 32 units/bimonthly for services billed bi-monthly. Equates to approximately 393 gallons per day.

All individually metered multi-family dwelling units or individually metered mobile home residential units that receive District service shall be billed at the single-family residential rate.

Bills for all metered services nonpotable/recycled water shall include a WATER FLOW CHARGE based meter readings measuring the units of water delivered during the billing period (1 unit = 748 gallons = 100 cubic feet = 1 centum cubic foot (CCF)):

| <u>Nonpotable/Recycled Water Service</u> | <del>WATER FLOW</del><br><del>CHARGE</del><br><u>VOLUMETRIC</u><br><u>PER UNIT</u> |
|--|--|
| For all water used                       | <del>\$6.37</del> <u>\$5.93</u>  |





## SCHEDULE A – RATE SCHEDULE FOR WATER SERVICE

EFFECTIVE 07/01/~~2025~~<sup>24</sup>

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### ~~C. TWO-MONTH BILLING~~

~~Bills for all metered services shall consist of:~~

~~FIRST – A WATER SERVICE CHARGE based on the size of a standard meter:~~

| METER SIZE       | SERVICE CHARGE AMOUNT |
|------------------|-----------------------|
|                  |                       |
| 5/8 and 3/4 inch | \$70.96               |
| 1 inch           | 107.20                |
| 1-1/2 inch       | 197.82                |
| 2 inch           | 306.46                |
| 3 inch           | 596.38                |
| 4 inch           | 922.48                |
| 6 inch           | 1,828.18              |
| 8 inch           | 2,915.16              |
| 10 inch          | 4,183.22              |
| 12 inch          | 5,813.72              |
| 14 inch          | 7,444.04              |
| 16 inch          | 9,436.80              |
| 18 inch          | 11,429.50             |

~~The water service charge for a special type of meter or for a battery of meters installed on one service in lieu of one meter will be based on the size of a single standard meter of equivalent capacity as determined by the District.~~

~~Effective July 1, 1997, when a meter larger than 4 inches is required for a single-family residential customer to maintain adequate water pressure, the maximum service charge amount shall be set at the 4-inch meter level.~~



## SCHEDULE A – RATE SCHEDULE FOR WATER SERVICE

EFFECTIVE 07/01/2025~~24~~

~~SECOND—A WATER FLOW CHARGE FOR WATER DELIVERED based on two month meter readings for all water delivered per 1 unit of water (1 unit = 100 cu. ft. = 748 gallons):~~

| <u>Potable Water Service</u>  | WATER FLOW<br>CHARGE PER<br>UNIT |
|---|----------------------------------|
| <del>Single Family Residential Accounts:</del>                        |                                  |
| <del>For the first 172 gpd</del>                                      | <del>\$5.41</del>                |
| <del>For all water used in excess of 172 gpd,<br/>up to 393 gpd</del> | <del>7.44</del>                  |
| <del>For all water used in excess of 393 gpd</del>                    | <del>9.83</del>                  |
|   |                                  |
| <del>Multi-Family Residential Accounts:</del>                         |                                  |
| <del>For all water used</del>   | <del>7.65</del>                  |
|   |                                  |
| <del>All Other Water Use:</del>                                       |                                  |
| <del>For all water used</del>   | <del>7.62</del>                  |

~~All individually metered multi-family dwelling units or individually metered mobile home residential units that receive District service shall be billed at the single family residential rate.~~

| <u>Nonpotable/Recycled Water Service</u> | WATER FLOW<br>CHARGE PER<br>UNIT |
|--|----------------------------------|
|  |                                  |
| <del>For all water used</del>            | <del>\$5.93</del>                |

### ~~D. EXCEPTIONS TO TWO MONTH BILLING~~

~~Except as provided below, customer accounts shall be subject to bi-monthly meter reading and customer billing schedules~~

- ~~• Accounts for which the average monthly bill is estimated to exceed \$1,500; such accounts will be billed monthly.~~
- ~~• Accounts for which there are reasonable and justifiable customer requests for monthly billing.~~
- ~~• Accounts for which the average monthly bill is estimated to be between \$100 and \$1,500, and the customer service manager recommends monthly billing based on an evaluation of credit and/or collection problems.~~



## SCHEDULE A – RATE SCHEDULE FOR WATER SERVICE

EFFECTIVE 07/01/~~2025~~<sup>24</sup>

### ~~E.D.~~ PRIVATE FIRE SERVICES CHARGE

Bills for Private Fire Services shall include a PRIVATE FIRE SERVICE CHARGE based on the size of the private fire service:

~~The rates for Private Fire Services shall consist of:~~

~~FIRST—A MONTHLY SERVICE CHARGE based on the size of a standard meter:~~

| METER SIZE       | SERVICE<br>CHARGE<br>AMOUNT | <u>SERVICE<br/>CHARGE<br/>AMOUNT<br/>(MONTHLY<br/>BILLING)</u> | <u>SERVICE<br/>CHARGE<br/>AMOUNT<br/>(BI-MONTHLY<br/>BILLING)</u> |
|------------------|-----------------------------|--|---|
| 5/8 and 3/4 inch | <del>\$18.88</del>          | <u>\$8.52</u>  | <u>\$17.04</u>  |
| 1 inch           | <del>25.95</del>            | <u>14.20</u>   | <u>28.40</u>  |
| 1-1/2 inch       | <del>43.51</del>            | <u>28.40</u>   | <u>56.80</u>  |
| 2 inch           | <del>64.59</del>            | <u>45.44</u>   | <u>90.88</u>  |
| 3 inch           | <del>120.91</del>           | <u>99.41</u>   | <u>198.82</u>   |
| 4 inch           | <del>184.21</del>           | <u>170.42</u>  | <u>340.84</u>   |
| 6 inch           | <del>360.08</del>           | <u>383.43</u>  | <u>766.86</u>   |
| 8 inch           | <del>571.13</del>           | <u>454.44</u>  | <u>908.88</u>   |
| 10 inch          | <del>817.32</del>           | <u>653.26</u>  | <u>1,306.52</u>   |
| 12 inch          | <del>1,133.86</del>         | <u>908.88</u>  | <u>1,817.76</u>   |
| 14 inch          | <del>1,450.45</del>         | <u>1,164.50</u>  | <u>2,329.00</u>   |
| 16 inch          | <del>1,837.38</del>         | <u>1,476.93</u>  | <u>2,953.86</u>   |
| 18 inch          | <del>2,224.29</del>         | <u>1,789.36</u>  | <u>3,578.72</u>   |

~~Effective July 1, 1997, when a meter larger than 4 inches is required for a single-family residential customer to maintain adequate water pressure, the maximum service charge amount shall be set at the 4-inch meter level.~~

~~SECOND—A WATER FLOW CHARGE FOR WATER DELIVERED based on two-month meter readings for all water delivered per unit:~~

There shall be no charge for water through such services extinguishing accidental fires, but any water lost through leakage or used in violation of the District's Regulations shall be paid at the rate for general use and may be subject to a penalty as may be established by the District.



## SCHEDULE A – RATE SCHEDULE FOR WATER SERVICE

EFFECTIVE 07/01/2025~~24~~

### ~~F.E.~~ ELEVATION SURCHARGE

Bills for all metered services in Elevation Band 2 and Elevation Band 3 shall include an ELEVATION SURCHARGE. The elevation surcharge is determined by the elevation band in which the service connection is located.

| Elevation Designator   | AMOUNT<br>PER UNIT                |
|--|-----------------------------------|
| <del>Elevation Band</del> <del>Pressure Zone</del> 1:<br>Elevation Designator 0 and 1          | \$0.00                            |
| <del>Elevation Band</del> <del>Pressure Zone</del> 2:<br>Elevation Designator 2 through 5      | <del>\$1.25</del> <del>1.10</del> |
| <del>Elevation Band</del> <del>Pressure Zone</del> 3:<br>Elevation Designator 6 and<br>greater | <del>\$2.67</del> <del>2.27</del> |

~~The elevation surcharge is determined by the pressure zone in which the service connection is located. Pressure zones are identified by designations that include an elevation designator.~~



## SCHEDULE A – RATE SCHEDULE FOR WATER SERVICE

EFFECTIVE 07/01/2025

### A. METER READING AND BILLING SCHEDULES

Customer accounts shall generally be subject to bimonthly meter readings and bimonthly billing schedules (bimonthly meaning once every two months) but may be subject to monthly meter readings and monthly billing schedules. The billing period for a customer account is the time between meter readings.

### B. WATER SERVICE CHARGE

Bills for all metered services shall include a WATER SERVICE CHARGE based on the size of the meter:

| METER SIZE       | SERVICE CHARGE AMOUNT (MONTHLY BILLING) | SERVICE CHARGE AMOUNT (BI-MONTHLY BILLING) |
|------------------|---|--|
| 5/8 and 3/4 inch | \$26.85                                 | \$53.70                                    |
| 1 inch           | 40.94                                   | 81.88                                      |
| 1-1/2 inch       | 76.14                                   | 152.28                                     |
| 2 inch           | 118.37                                  | 236.74                                     |
| 3 inch           | 252.14                                  | 504.28                                     |
| 4 inch           | 428.13                                  | 856.26                                     |
| 6 inch           | 956.12                                  | 1,912.24                                   |
| 8 inch           | 1,132.11                                | 2,264.22                                   |
| 10 inch          | 1,624.90                                | 3,249.80                                   |
| 12 inch          | 2,258.49                                | 4,516.98                                   |
| 14 inch          | 2,892.07                                | 5,784.14                                   |
| 16 inch          | 3,666.46                                | 7,332.92                                   |
| 18 inch          | 4,440.84                                | 8,881.68                                   |

The service charge for a special type of meter or for a battery of meters installed on one service in lieu of one meter will be based on the size of a single standard meter of equivalent capacity as determined by the District.

Effective July 1, 1997, when a meter larger than 4 inches is required for a single-family residential customer to maintain adequate water pressure, the maximum service charge amount shall be set at the 4-inch meter level.



## SCHEDULE A – RATE SCHEDULE FOR WATER SERVICE

EFFECTIVE 07/01/2025

### C. WATER FLOW CHARGE

Bills for all metered services shall include a WATER FLOW CHARGE based on meter readings measuring the units of water delivered during the billing period (1 unit = 748 gallons = 100 cubic feet = 1 centum cubic foot (CCF)):

| <u>Potable Water Service</u>  | VOLUMETRIC<br>RATE PER UNIT |
|---|-----------------------------|
| Single-Family Residential Accounts:                                       |                             |
| For the first 7 units/month   | \$7.89                      |
| For all water used in excess of 7<br>units/month*, up to 16 units/month** | 9.15                        |
| For all water used in excess of 16<br>units/month**                       | 10.79                       |
| Multi-Family Residential Accounts:  |                             |
| For all water used  | 8.31                        |
| All Other Water Use:  |                             |
| For all water used  | 8.52                        |

\* 7 units/month for services billed monthly and 14 units/bimonthly for services billed bi-monthly. Equates to 172 gallons per day.

\*\* 16 units/month for services billed monthly and 32 units/bimonthly for services billed bi-monthly. Equates to 393 gallons per day.

All individually metered multi-family dwelling units or individually metered mobile home residential units that receive District service shall be billed at the single-family residential rate.

Bills for all metered services nonpotable/recycled water shall include a WATER FLOW CHARGE based meter readings measuring the units of water delivered during the billing period (1 unit = 748 gallons = 100 cubic feet = 1 centum cubic foot (CCF)):

| <u>Nonpotable/Recycled Water Service</u> | VOLUMETRIC<br>PER UNIT |
|--|------------------------|
| For all water used                       | \$6.37                 |



## SCHEDULE A – RATE SCHEDULE FOR WATER SERVICE

EFFECTIVE 07/01/2025

### D. PRIVATE FIRE SERVICE CHARGE

Bills for Private Fire Services shall include a PRIVATE FIRE SERVICE CHARGE based on the size of the private fire service:

| METER SIZE       | SERVICE<br>CHARGE<br>AMOUNT<br>(MONTHLY<br>BILLING) | SERVICE<br>CHARGE<br>AMOUNT<br>(BI-MONTHLY<br>BILLING) |
|------------------|---|--|
| 5/8 and 3/4 inch | \$8.52  | \$17.04  |
| 1 inch           | 14.20   | 28.40  |
| 1-1/2 inch       | 28.40   | 56.80  |
| 2 inch           | 45.44   | 90.88  |
| 3 inch           | 99.41   | 198.82   |
| 4 inch           | 170.42  | 340.84   |
| 6 inch           | 383.43  | 766.86   |
| 8 inch           | 454.44  | 908.88   |
| 10 inch          | 653.26  | 1,306.52   |
| 12 inch          | 908.88  | 1,817.76   |
| 14 inch          | 1,164.50  | 2,329.00   |
| 16 inch          | 1,476.93  | 2,953.86   |
| 18 inch          | 1,789.36  | 3,578.72   |

There shall be no charge for water through such services extinguishing accidental fires, but any water lost through leakage or used in violation of the District's Regulations shall be paid at the rate for general use and may be subject to a penalty as may be established by the District.

### E. ELEVATION SURCHARGE

Bills for all metered services in Elevation Band 2 and Elevation Band 3 shall include an ELEVATION SURCHARGE. The elevation surcharge is determined by the elevation band in which the service connection is located.

| Elevation Designator                                 | AMOUNT<br>PER UNIT |
|--|--------------------|
| Elevation Band 1: Elevation Designator 0 and 1       | \$0.00             |
| Elevation Band 2: Elevation Designator 2 through 5   | \$1.25             |
| Elevation Band 3: Elevation Designator 6 and greater | \$2.67             |



# Schedule A

## Rate Schedule for Water Service

FY 2027



## SCHEDULE A – RATE SCHEDULE FOR WATER SERVICE

EFFECTIVE 07/01/202~~6~~<sup>5</sup>

### A. METER READING AND BILLING SCHEDULES

Customer accounts shall generally be subject to bimonthly meter readings and bimonthly billing schedules (bimonthly meaning once every two months) but may be subject to monthly meter readings and monthly billing schedules. The billing period for a customer account is the time between meter readings.

### B. WATER SERVICE CHARGE

Bills for all metered services shall include a WATER SERVICE CHARGE based on the size of the meter:

| METER SIZE       | SERVICE CHARGE AMOUNT (MONTHLY BILLING) | SERVICE CHARGE AMOUNT (BI-MONTHLY BILLING) |
|------------------|---|--|
| 5/8 and 3/4 inch | <del>\$28.60</del> <sup>\$26.85</sup>   | <del>\$57.20</del> <sup>\$53.70</sup>      |
| 1 inch           | <del>43.60</del> <sup>40.94</sup>       | <del>87.20</del> <sup>81.88</sup>          |
| 1-1/2 inch       | <del>81.09</del> <sup>76.14</sup>       | <del>162.18</del> <sup>152.28</sup>        |
| 2 inch           | <del>126.06</del> <sup>118.37</sup>     | <del>252.12</del> <sup>236.74</sup>        |
| 3 inch           | <del>268.53</del> <sup>252.14</sup>     | <del>537.06</del> <sup>504.28</sup>        |
| 4 inch           | <del>455.96</del> <sup>428.13</sup>     | <del>911.92</del> <sup>856.26</sup>        |
| 6 inch           | <del>1,018.27</del> <sup>956.12</sup>   | <del>2,036.54</del> <sup>1,912.24</sup>    |
| 8 inch           | <del>1,205.70</del> <sup>1,132.11</sup> | <del>2,411.40</del> <sup>2,264.22</sup>    |
| 10 inch          | <del>1,730.52</del> <sup>1,624.90</sup> | <del>3,461.04</del> <sup>3,249.80</sup>    |
| 12 inch          | <del>2,405.29</del> <sup>2,258.49</sup> | <del>4,810.58</del> <sup>4,516.98</sup>    |
| 14 inch          | <del>3,080.05</del> <sup>2,892.07</sup> | <del>6,160.10</del> <sup>5,784.14</sup>    |
| 16 inch          | <del>3,904.78</del> <sup>3,666.46</sup> | <del>7,809.56</del> <sup>7,332.92</sup>    |
| 18 inch          | <del>4,729.49</del> <sup>4,440.84</sup> | <del>9,458.98</del> <sup>8,881.68</sup>    |

The service charge for a special type of meter or for a battery of meters installed on one service in lieu of one meter will be based on the size of a single standard meter of equivalent capacity as determined by the District.

Effective July 1, 1997, when a meter larger than 4 inches is required for a single-family residential customer to maintain adequate water pressure, the maximum service charge amount shall be set at the 4-inch meter level.



## SCHEDULE A – RATE SCHEDULE FOR WATER SERVICE

EFFECTIVE 07/01/2026~~5~~

### C. WATER FLOW CHARGE

Bills for all metered services shall include a WATER FLOW CHARGE based on meter readings measuring the units of water delivered during the billing period (1 unit = 748 gallons = 100 cubic feet = 1 centum cubic foot (CCF)):

| <u>Potable Water Service</u>  | VOLUMETRIC<br>RATE PER UNIT |
|---|-----------------------------|
| Single-Family Residential Accounts:                                       |                             |
| For the first 7 units/month   | <del>\$7.89</del> \$8.40    |
| For all water used in excess of 7<br>units/month*, up to 16 units/month** | <del>9.15</del> 9.74        |
| For all water used in excess of 16<br>units/month**                       | <del>10.79</del> 11.49      |
| Multi-Family Residential Accounts:  |                             |
| For all water used  | <del>8.34</del> 8.85        |
| All Other Water Use:  |                             |
| For all water used  | <del>8.52</del> 9.07        |

\*\* Billed as 7 units/month for services billed monthly and 14 units/bimonthly for services billed bi-monthly. Equates to approximately 172 gallons per day.

\*\* Billed as 16 units/month for services billed monthly and 32 units/bimonthly for services billed bi-monthly. Equates to approximately 393 gallons per day.

All individually metered multi-family dwelling units or individually metered mobile home residential units that receive District service shall be billed at the single-family residential rate.

Bills for all metered services nonpotable/recycled water shall include a WATER FLOW CHARGE based meter readings measuring the units of water delivered during the billing period (1 unit = 748 gallons = 100 cubic feet = 1 centum cubic foot (CCF)):

| <u>Nonpotable/Recycled Water Service</u> | VOLUMETRIC<br>PER UNIT   |
|--|--------------------------|
| For all water used                       | <del>\$6.37</del> \$6.78 |



## SCHEDULE A – RATE SCHEDULE FOR WATER SERVICE

EFFECTIVE 07/01/2026<sup>5</sup>

### D. PRIVATE FIRE SERVICE CHARGE

Bills for Private Fire Services shall include a PRIVATE FIRE SERVICE CHARGE based on the size of the private fire service:

| METER SIZE       | SERVICE CHARGE AMOUNT (MONTHLY BILLING) | SERVICE CHARGE AMOUNT (BI-MONTHLY BILLING) |
|------------------|---|--|
| 5/8 and 3/4 inch | <del>\$8.52</del> <u>\$9.07</u>         | <del>\$17.04</del> <u>\$18.14</u>          |
| 1 inch           | <del>14.20</del> <u>15.12</u>           | <del>28.40</del> <u>30.24</u>              |
| 1-1/2 inch       | <del>28.40</del> <u>30.25</u>           | <del>56.80</del> <u>60.50</u>              |
| 2 inch           | <del>45.44</del> <u>48.39</u>           | <del>90.88</del> <u>96.78</u>              |
| 3 inch           | <del>99.41</del> <u>105.87</u>          | <del>198.82</del> <u>211.74</u>            |
| 4 inch           | <del>170.42</del> <u>181.50</u>         | <del>340.84</del> <u>363.00</u>            |
| 6 inch           | <del>383.43</del> <u>408.35</u>         | <del>766.86</del> <u>816.70</u>            |
| 8 inch           | <del>454.44</del> <u>483.98</u>         | <del>908.88</del> <u>967.96</u>            |
| 10 inch          | <del>653.26</del> <u>695.72</u>         | <del>1,306.52</del> <u>1,391.44</u>        |
| 12 inch          | <del>908.88</del> <u>967.96</u>         | <del>1,817.76</del> <u>1,935.92</u>        |
| 14 inch          | <del>1,164.50</del> <u>1,240.19</u>     | <del>2,329.00</del> <u>2,480.38</u>        |
| 16 inch          | <del>1,476.93</del> <u>1,572.93</u>     | <del>2,953.86</del> <u>3,145.86</u>        |
| 18 inch          | <del>1,789.36</del> <u>1,905.67</u>     | <del>3,578.72</del> <u>3,811.34</u>        |

There shall be no charge for water through such services extinguishing accidental fires, but any water lost through leakage or used in violation of the District's Regulations shall be paid at the rate for general use and may be subject to a penalty as may be established by the District.

### E. ELEVATION SURCHARGE

Bills for all metered services in Elevation Band 2 and Elevation Band 3 shall include an ELEVATION SURCHARGE. The elevation surcharge is determined by the elevation band in which the service connection is located.

| Elevation Designator                                 | AMOUNT PER UNIT                 |
|--|---------------------------------|
| Elevation Band 1: Elevation Designator 0 and 1       | \$0.00                          |
| Elevation Band 2: Elevation Designator 2 through 5   | <del>\$1.25</del> <u>\$1.33</u> |
| Elevation Band 3: Elevation Designator 6 and greater | <del>\$2.67</del> <u>\$2.84</u> |



## SCHEDULE A – RATE SCHEDULE FOR WATER SERVICE

EFFECTIVE 07/01/2026

### A. METER READING AND BILLING SCHEDULES

Customer accounts shall generally be subject to bimonthly meter readings and bimonthly billing schedules (bimonthly meaning once every two months) but may be subject to monthly meter readings and monthly billing schedules. The billing period for a customer account is the time between meter readings.

### B. WATER SERVICE CHARGE

Bills for all metered services shall include a WATER SERVICE CHARGE based on the size of the meter:

| METER SIZE       | SERVICE CHARGE AMOUNT (MONTHLY BILLING) | SERVICE CHARGE AMOUNT (BI-MONTHLY BILLING) |
|------------------|---|--|
| 5/8 and 3/4 inch | \$28.60                                 | \$57.20                                    |
| 1 inch           | 43.60                                   | 87.20                                      |
| 1-1/2 inch       | 81.09                                   | 162.18                                     |
| 2 inch           | 126.06                                  | 252.12                                     |
| 3 inch           | 268.53                                  | 537.06                                     |
| 4 inch           | 455.96                                  | 911.92                                     |
| 6 inch           | 1,018.27                                | 2,036.54                                   |
| 8 inch           | 1,205.70                                | 2,411.40                                   |
| 10 inch          | 1,730.52                                | 3,461.04                                   |
| 12 inch          | 2,405.29                                | 4,810.58                                   |
| 14 inch          | 3,080.05                                | 6,160.10                                   |
| 16 inch          | 3,904.78                                | 7,809.56                                   |
| 18 inch          | 4,729.49                                | 9,458.98                                   |

The service charge for a special type of meter or for a battery of meters installed on one service in lieu of one meter will be based on the size of a single standard meter of equivalent capacity as determined by the District.

Effective July 1, 1997, when a meter larger than 4 inches is required for a single-family residential customer to maintain adequate water pressure, the maximum service charge amount shall be set at the 4-inch meter level.



## SCHEDULE A – RATE SCHEDULE FOR WATER SERVICE

EFFECTIVE 07/01/2026

### C. WATER FLOW CHARGE

Bills for all metered services shall include a WATER FLOW CHARGE based on meter readings measuring the units of water delivered during the billing period (1 unit = 748 gallons = 100 cubic feet = 1 centum cubic foot (CCF)):

| <u>Potable Water Service</u>  | VOLUMETRIC<br>RATE PER UNIT |
|---|-----------------------------|
| Single-Family Residential Accounts:                                       |                             |
| For the first 7 units/month   | \$8.40                      |
| For all water used in excess of 7<br>units/month*, up to 16 units/month** | 9.74                        |
| For all water used in excess of 16<br>units/month**                       | 11.49                       |
| Multi-Family Residential Accounts:  |                             |
| For all water used  | 8.85                        |
| All Other Water Use:  |                             |
| For all water used  | 9.07                        |

\*\* Billed as 7 units/month for services billed monthly and 14 units/bimonthly for services billed bi-monthly. Equates to approximately 172 gallons per day.

\*\* Billed as 16 units/month for services billed monthly and 32 units/bimonthly for services billed bi-monthly. Equates to approximately 393 gallons per day.

All individually metered multi-family dwelling units or individually metered mobile home residential units that receive District service shall be billed at the single-family residential rate.

Bills for all metered services nonpotable/recycled water shall include a WATER FLOW CHARGE based meter readings measuring the units of water delivered during the billing period (1 unit = 748 gallons = 100 cubic feet = 1 centum cubic foot (CCF)):

| <u>Nonpotable/Recycled Water Service</u> | VOLUMETRIC<br>PER UNIT |
|--|------------------------|
| For all water used                       | \$6.78                 |



## SCHEDULE A – RATE SCHEDULE FOR WATER SERVICE

EFFECTIVE 07/01/2026

### D. PRIVATE FIRE SERVICE CHARGE

Bills for Private Fire Services shall include a PRIVATE FIRE SERVICE CHARGE based on the size of the private fire service:

| METER SIZE       | SERVICE<br>CHARGE<br>AMOUNT<br>(MONTHLY<br>BILLING) | SERVICE<br>CHARGE<br>AMOUNT<br>(BI-MONTHLY<br>BILLING) |
|------------------|---|--|
| 5/8 and 3/4 inch | \$9.07  | \$18.14  |
| 1 inch           | 15.12   | 30.24  |
| 1-1/2 inch       | 30.25   | 60.50  |
| 2 inch           | 48.39   | 96.78  |
| 3 inch           | 105.87  | 211.74   |
| 4 inch           | 181.50  | 363.00   |
| 6 inch           | 408.35  | 816.70   |
| 8 inch           | 483.98  | 967.96   |
| 10 inch          | 695.72  | 1,391.44   |
| 12 inch          | 967.96  | 1,935.92   |
| 14 inch          | 1,240.19  | 2,480.38   |
| 16 inch          | 1,572.93  | 3,145.86   |
| 18 inch          | 1,905.67  | 3,811.34   |

There shall be no charge for water through such services extinguishing accidental fires, but any water lost through leakage or used in violation of the District's Regulations shall be paid at the rate for general use and may be subject to a penalty as may be established by the District.

### E. ELEVATION SURCHARGE

Bills for all metered services in Elevation Band 2 and Elevation Band 3 shall include an ELEVATION SURCHARGE. The elevation surcharge is determined by the elevation band in which the service connection is located.

| Elevation Designator                                 | AMOUNT<br>PER UNIT |
|--|--------------------|
| Elevation Band 1: Elevation Designator 0 and 1       | \$0.00             |
| Elevation Band 2: Elevation Designator 2 through 5   | \$1.33             |
| Elevation Band 3: Elevation Designator 6 and greater | \$2.84             |



# Schedule L

## Drought Surcharge Rate Schedule For Water Service

FY 2026



## SCHEDULE L – DROUGHT SURCHARGE RATE SCHEDULE FOR WATER SERVICE

EFFECTIVE 07/01~~12~~/20~~25~~~~17~~

The rates for the Water Flow Charge shown in Schedule A may be increased up to the following maximum percentages during the specified declared drought stage.

**A TEMPORARY SURCHARGE FOR POTABLE WATER DELIVERED based on one month or two months of meter readings for all water delivered as a percentage of the total Water Flow Charge on customer bills:**

| DROUGHT SURCHARGES ON TOTAL WATER FLOW CHARGE FOR WATER DELIVERED |  |                  |         |                   |
|---|--|------------------|---------|-------------------|
|   | Maximum Applicable Drought Surcharge Percentage <sup>1</sup> in 4 Stages |                  |         |                   |
|   | Stage 1  | Stage 2          | Stage 3 | Stage 4           |
| All potable water flow charges                                    | <del>05</del> %  | <del>810</del> % | 20%     | <del>2530</del> % |

**A TEMPORARY SURCHARGE FOR POTABLE WATER DELIVERED as a dollar per unit of water use of the total Water Flow Charge (1 unit = 748 gallons = 100 cubic feet = 1 centum cubic foot (CCF)):**

| DROUGHT SURCHARGES ON TOTAL WATER FLOW CHARGE FOR WATER DELIVERED |  |               |               |               |
|---|--|---------------|---------------|---------------|
|   | Maximum Applicable Drought Surcharge Dollar Per Unit in 4 Stages |               |               |               |
|   | Stage 1  | Stage 2       | Stage 3       | Stage 4       |
| <u>Single-Family Residential Accounts:</u>                        |  |               |               |               |
| <u>Tier 1: up to 7 units</u>                                      | <u>\$0.39</u>  | <u>\$0.79</u> | <u>\$1.58</u> | <u>\$2.37</u> |
| <u>Tier 2: over 7, up to 16 units</u>                             | <u>0.46</u>  | <u>0.92</u>   | <u>1.83</u>   | <u>2.75</u>   |
| <u>Tier 3: over 16 units</u>                                      | <u>0.54</u>  | <u>1.08</u>   | <u>2.16</u>   | <u>3.24</u>   |
| <u>Multi-Family Residential Accounts:</u>                         | <u>0.42</u>  | <u>0.83</u>   | <u>1.66</u>   | <u>2.49</u>   |
| <u>All Other Water Use:</u>                                       | <u>0.43</u>  | <u>0.85</u>   | <u>1.70</u>   | <u>2.56</u>   |

<sup>1</sup> Drought surcharge ~~percentage increase~~ will be applied to the applicable rate of the customer's potable Water Flow Charge from Schedule A – Rate Schedule for Water Service. Prior to implementing the drought surcharges, the District will update drought-related costs and develop surcharges based on the updated cost of service. Any surcharges that are imposed will be consistent with the District's staged system of drought surcharges and will not exceed the drought surcharge ~~percentages~~ maximums listed in this Schedule.



## SCHEDULE L – DROUGHT SURCHARGE RATE SCHEDULE FOR WATER SERVICE

EFFECTIVE 07/01/2025

The rates for the Water Flow Charge shown in Schedule A may be increased up to the following maximum percentages during the specified declared drought stage.

**A TEMPORARY SURCHARGE FOR POTABLE WATER DELIVERED based on one month or two months of meter readings for all water delivered as a percentage of the total Water Flow Charge on customer bills:**

| DROUGHT SURCHARGES ON TOTAL<br>WATER FLOW CHARGE FOR WATER DELIVERED |  |         |         |         |
|--|--|---------|---------|---------|
|  | Maximum Applicable<br>Drought Surcharge Percentage <sup>1</sup><br>in 4 Stages |         |         |         |
|  | Stage 1  | Stage 2 | Stage 3 | Stage 4 |
| All potable water flow charges                                       | 5%   | 10%     | 20%     | 30%     |

**A TEMPORARY SURCHARGE FOR POTABLE WATER DELIVERED as a dollar per unit of water use of the total Water Flow Charge (1 unit = 748 gallons = 100 cubic feet = 1 centum cubic foot (CCF)):**

| DROUGHT SURCHARGES ON TOTAL<br>WATER FLOW CHARGE FOR WATER DELIVERED |  |         |         |         |
|--|--|---------|---------|---------|
|  | Maximum Applicable<br>Drought Surcharge Dollar Per Unit<br>in 4 Stages |         |         |         |
|  | Stage 1  | Stage 2 | Stage 3 | Stage 4 |
| Single-Family Residential Accounts:                                  |  |         |         |         |
| Tier 1: up to 7 units  | \$0.39   | \$0.79  | \$1.58  | \$2.37  |
| Tier 2: over 7, up to 16 units                                       | 0.46   | 0.92    | 1.83    | 2.75    |
| Tier 3: over 16 units  | 0.54   | 1.08    | 2.16    | 3.24    |
| Multi-Family Residential Accounts:                                   | 0.42   | 0.83    | 1.66    | 2.49    |
| All Other Water Use:   | 0.43   | 0.85    | 1.70    | 2.56    |

<sup>1</sup> Drought surcharge will be applied to the applicable rate of the customer's potable Water Flow Charge from Schedule A – Rate Schedule for Water Service. Prior to implementing the drought surcharges, the District will update drought-related costs and develop surcharges based on the updated cost of service. Any surcharges that are imposed will be consistent with the District's staged system of drought surcharges and will not exceed the drought surcharge maximums listed in this Schedule.

# Schedule L

## Drought Surcharge Rate Schedule For Water Service

FY 2027



## SCHEDULE L – DROUGHT SURCHARGE RATE SCHEDULE FOR WATER SERVICE

EFFECTIVE 07/01/2026<sup>5</sup>

The rates for the Water Flow Charge shown in Schedule A may be increased up to the following maximum percentages during the specified declared drought stage.

**A TEMPORARY SURCHARGE FOR POTABLE WATER DELIVERED based on one month or two months of meter readings for all water delivered as a percentage of the total Water Flow Charge on customer bills:**

| DROUGHT SURCHARGES ON TOTAL WATER FLOW CHARGE FOR WATER DELIVERED |  |         |         |         |
|---|--|---------|---------|---------|
|   | Maximum Applicable Drought Surcharge Percentage <sup>1</sup> in 4 Stages |         |         |         |
|   | Stage 1  | Stage 2 | Stage 3 | Stage 4 |
| All potable water flow charges                                    | 5%   | 10%     | 20%     | 30%     |

**A TEMPORARY SURCHARGE FOR POTABLE WATER DELIVERED as a dollar per unit of water use of the total Water Flow Charge (1 unit = 748 gallons = 100 cubic feet = 1 centum cubic foot (CCF)):**

| DROUGHT SURCHARGES ON TOTAL WATER FLOW CHARGE FOR WATER DELIVERED |  |                                     |                                     |                                     |
|---|--|-------------------------------------|-------------------------------------|-------------------------------------|
|   | Maximum Applicable Drought Surcharge Dollar Per Unit in 4 Stages |                                     |                                     |                                     |
|   | Stage 1  | Stage 2                             | Stage 3                             | Stage 4                             |
| Single-Family Residential Accounts:                               |  |                                     |                                     |                                     |
| Tier 1: up to 7 units   | <del>\$0.42</del> <sup>\$0.39</sup>                              | <del>\$0.84</del> <sup>\$0.79</sup> | <del>\$1.68</del> <sup>\$1.58</sup> | <del>\$2.52</del> <sup>\$2.37</sup> |
| Tier 2: over 7, up to 16 units                                    | <del>0.49</del> <sup>0.46</sup>                                  | <del>0.97</del> <sup>0.92</sup>     | <del>1.95</del> <sup>1.83</sup>     | <del>2.92</del> <sup>2.75</sup>     |
| Tier 3: over 16 units   | <del>0.57</del> <sup>0.54</sup>                                  | <del>1.15</del> <sup>1.08</sup>     | <del>2.30</del> <sup>2.16</sup>     | <del>3.45</del> <sup>3.24</sup>     |
| Multi-Family Residential Accounts:                                | <del>0.44</del> <sup>0.42</sup>                                  | <del>0.89</del> <sup>0.83</sup>     | <del>1.77</del> <sup>1.66</sup>     | <del>2.66</del> <sup>2.49</sup>     |
| All Other Water Use:  | <del>0.45</del> <sup>0.43</sup>                                  | <del>0.91</del> <sup>0.85</sup>     | <del>1.81</del> <sup>1.70</sup>     | <del>2.72</del> <sup>2.56</sup>     |

<sup>1</sup> Drought surcharge will be applied to the applicable rate of the customer's potable Water Flow Charge from Schedule A – Rate Schedule for Water Service. Prior to implementing the drought surcharges, the District will update drought-related costs and develop surcharges based on the updated cost of service. Any surcharges that are imposed will be consistent with the District's staged system of drought surcharges and will not exceed the drought surcharge maximums listed in this Schedule.



## SCHEDULE L – DROUGHT SURCHARGE RATE SCHEDULE FOR WATER SERVICE

EFFECTIVE 07/01/2026

The rates for the Water Flow Charge shown in Schedule A may be increased up to the following maximum percentages during the specified declared drought stage.

**A TEMPORARY SURCHARGE FOR POTABLE WATER DELIVERED based on one month or two months of meter readings for all water delivered as a percentage of the total Water Flow Charge on customer bills:**

| DROUGHT SURCHARGES ON TOTAL<br>WATER FLOW CHARGE FOR WATER DELIVERED |  |         |         |         |
|--|--|---------|---------|---------|
|  | Maximum Applicable<br>Drought Surcharge Percentage <sup>1</sup><br>in 4 Stages |         |         |         |
|  | Stage 1  | Stage 2 | Stage 3 | Stage 4 |
| All potable water flow charges                                       | 5%   | 10%     | 20%     | 30%     |

**A TEMPORARY SURCHARGE FOR POTABLE WATER DELIVERED as a dollar per unit of water use of the total Water Flow Charge (1 unit = 748 gallons = 100 cubic feet = 1 centum cubic foot (CCF)):**

| DROUGHT SURCHARGES ON TOTAL<br>WATER FLOW CHARGE FOR WATER DELIVERED |  |         |         |         |
|--|--|---------|---------|---------|
|  | Maximum Applicable<br>Drought Surcharge Dollar Per Unit<br>in 4 Stages |         |         |         |
|  | Stage 1  | Stage 2 | Stage 3 | Stage 4 |
| Single-Family Residential Accounts:                                  |  |         |         |         |
| Tier 1: up to 7 units  | \$0.42   | \$0.84  | \$1.68  | \$2.52  |
| Tier 2: over 7, up to 16 units                                       | 0.49   | 0.97    | 1.95    | 2.92    |
| Tier 3: over 16 units  | 0.57   | 1.15    | 2.30    | 3.45    |
| Multi-Family Residential Accounts:                                   | 0.44   | 0.89    | 1.77    | 2.66    |
| All Other Water Use:   | 0.45   | 0.91    | 1.81    | 2.72    |

<sup>1</sup> Drought surcharge will be applied to the applicable rate of the customer's potable Water Flow Charge from Schedule A – Rate Schedule for Water Service. Prior to implementing the drought surcharges, the District will update drought-related costs and develop surcharges based on the updated cost of service. Any surcharges that are imposed will be consistent with the District's staged system of drought surcharges and will not exceed the drought surcharge maximums listed in this Schedule.

Wastewater Department

Schedule A

Rates for Treatment Service

FY 2026





## SCHEDULE A – WASTEWATER DEPARTMENT RATES FOR TREATMENT SERVICE

EFFECTIVE 07/01/2025<sup>4</sup>

Current

I. Unit Treatment Rates (for permit accounts)

Flow (\$ per unit, 1 unit = 748 gallons = 100 cubic feet = 1 centum cubic foot (CCF)~~1 unit = 100 cubic feet = 748 gallons~~)

Chemical Oxygen Demand (\$ per pound of discharge)

Total Suspended Solids (\$ per pound of discharge)

Unit treatment rates for Flow, Chemical Oxygen Demand (COD), Total Suspended Solids (TSS) and a Service Charge are applied to all users unless otherwise indicated.

II. Residential Monthly Charges

(6514 Multi-Family under 5 dwelling units & 8800 Single-Family)

A. Service Charge (per account)

B. Strength Charge (per dwelling unit)

Minimum monthly charge per household

C. Plus: A flow charge of \$1.82~~1.68~~ per unit applied to a maximum of 9 units (per dwelling unit)

Minimum monthly charge at 0 units

Maximum monthly charge at 9 units

D. Total Residential Charge (A+B+C above)<sup>1</sup>

Minimum monthly charge (for 8800)

Maximum monthly charge (for 8800)

Average monthly charge (for 8800)

<sup>1</sup>Does not include SF Bay Residential Pollution Prevention Fee

III. Non-Residential Charges

A. Monthly service charge (per account)

B. Treatment charge including flow processing (per unit of sewage discharge)

2010 Meat Products

2011 Slaughterhouses

2020 Dairy Product Processing

2030 Fruit and Vegetable Canning



## SCHEDULE A – WASTEWATER DEPARTMENT RATES FOR TREATMENT SERVICE

EFFECTIVE 07/01/2025<sup>4</sup>

|   | Current           |               |
|---|-------------------|---------------|
| 2040 Grain Mills  | <del>\$7.38</del> | <u>\$8.01</u> |
| 2050 Bakeries (including Pastries)  | <del>12.76</del>  | <u>13.84</u>  |
| 2060 Sugar Processing   | <del>7.29</del>   | <u>7.91</u>   |
| 2077 Rendering Tallow   | <del>22.15</del>  | <u>24.03</u>  |
| 2080 Beverage Manufacturing & Bottling  | <del>5.54</del>   | <u>6.01</u>   |
| 2090 Specialty Foods Manufacturing  | <del>23.82</del>  | <u>25.84</u>  |
| 2600 Pulp and Paper Products  | <del>6.33</del>   | <u>6.87</u>   |
| 2810 Inorganic Chemicals Mfr.   | <del>8.15</del>   | <u>8.84</u>   |
| 2820 Synthetic Material Manufacturing   | <del>1.91</del>   | <u>2.07</u>   |
| 2830 Drug Manufacturing   | <del>4.11</del>   | <u>4.46</u>   |
| 2840 Cleaning and Sanitation Products   | <del>8.31</del>   | <u>9.02</u>   |
| 2850 Paint Manufacturing  | <del>16.03</del>  | <u>17.39</u>  |
| 2893 Ink and Pigment Manufacturing  | <del>5.80</del>   | <u>6.29</u>   |
| 3110 Leather Tanning and Finishing  | <del>22.14</del>  | <u>24.02</u>  |
| 3200 Earthenware Manufacturing  | <del>4.50</del>   | <u>4.88</u>   |
| 3300 Primary Metals Manufacturing   | <del>3.56</del>   | <u>3.86</u>   |
| 3400 Metal Products Fabricating   | <del>2.08</del>   | <u>2.26</u>   |
| 3410 Drum and Barrel Manufacturing  | <del>22.54</del>  | <u>24.46</u>  |
| 3470 Metal Coating  | <del>2.26</del>   | <u>2.45</u>   |
| 4500 Air Transportation   | <del>2.97</del>   | <u>3.22</u>   |
| 4951 Groundwater Remediation  | <del>1.74</del>   | <u>1.89</u>   |
| 5812 Food Service Establishments  | <del>7.71</del>   | <u>8.37</u>   |
| 6513 Apartment Buildings (5 or more dwelling units)   | <del>3.75</del>   | <u>4.07</u>   |
| 7000 Hotels, Motels with Food Service   | <del>5.55</del>   | <u>6.02</u>   |
| 7210 Commercial Laundries   | <del>4.99</del>   | <u>5.41</u>   |
| 7215 Coin Operated Laundromats  | <del>3.74</del>   | <u>4.06</u>   |
| 7218 Industrial Laundries   | <del>14.17</del>  | <u>15.37</u>  |
| 7300 Laboratories   | <del>2.68</del>   | <u>2.91</u>   |
| 7542 Automobile Washing and Polishing   | <del>3.55</del>   | <u>3.85</u>   |
| 8060 Hospitals  | <del>3.41</del>   | <u>3.70</u>   |
| 8200 Schools  | <del>2.51</del>   | <u>2.72</u>   |
| All Other Business Classification Code<br>(includes dischargers of only segregated<br>domestic wastes from sanitary conveniences) | <del>3.75</del>   | <u>4.07</u>   |



## SCHEDULE A – WASTEWATER DEPARTMENT RATES FOR TREATMENT SERVICE

EFFECTIVE 07/01/2025<sup>4</sup>

### Multi-Use Food Service Establishments and Domestic Waste Accounts

Accounts identified by EBMUD where there are one or more food service establishments or bakeries sharing the water meter with establishments or operations with only domestic waste discharges. These accounts are assigned an MU code based on the percentage split of the discharge from the food service establishment operations or bakeries and domestic waste. The unit treatment charge for each MU Code is calculated from the food service establishment or bakeries treatment rate and the domestic waste treatment rate.

| MU Code                           |                                       | Current            |               |
|-----------------------------------|---------------------------------------|--------------------|---------------|
| A                                 | 0-9% Food, 91-100% Domestic           | <del>\$3.750</del> | <u>\$4.07</u> |
| B                                 | 10-19% Food, 81-90% Domestic          | <del>4.146</del>   | <u>4.50</u>   |
| C                                 | 20-29% Food, 71-80% Domestic          | <del>4.542</del>   | <u>4.93</u>   |
| D                                 | 30-39% Food, 61-70% Domestic          | <del>4.938</del>   | <u>5.36</u>   |
| E                                 | 40-49% Food, 51-60% Domestic          | <del>5.334</del>   | <u>5.79</u>   |
| F                                 | 50-59% Food, 41-50% Domestic          | <del>5.730</del>   | <u>6.22</u>   |
| G                                 | 60-69% Food, 31-40% Domestic          | <del>6.126</del>   | <u>6.65</u>   |
| H                                 | 70-79% Food, 21-30% Domestic          | <del>6.522</del>   | <u>7.08</u>   |
| I                                 | 80-89% Food, 11-20% Domestic          | <del>6.918</del>   | <u>7.51</u>   |
| J                                 | 90-99% Food, 1-10% Domestic           | <del>7.314</del>   | <u>7.94</u>   |
| K                                 | 0-9% Bakery, 91-100% Domestic         | <del>3.750</del>   | <u>4.07</u>   |
| L                                 | 10-19% Bakery, 81-90% Domestic        | <del>4.651</del>   | <u>5.05</u>   |
| M                                 | 20-29% Bakery, 71-80% Domestic        | <del>5.552</del>   | <u>6.02</u>   |
| N                                 | 30-39% Bakery, 61-70% Domestic        | <del>6.453</del>   | <u>7.00</u>   |
| O                                 | 40-49% Bakery, 51-60% Domestic        | <del>7.354</del>   | <u>7.98</u>   |
| P                                 | 50-59% Bakery, 41-50% Domestic        | <del>8.255</del>   | <u>8.96</u>   |
| Q                                 | 60-69% Bakery, 31-40% Domestic        | <del>9.156</del>   | <u>9.93</u>   |
| R                                 | 70-79% Bakery, 21-30% Domestic        | <del>10.057</del>  | <u>10.91</u>  |
| S                                 | 80-89% Bakery, 11-20% Domestic        | <del>10.958</del>  | <u>11.89</u>  |
| T                                 | 90-99% Bakery, 1-10% Domestic         | <del>11.859</del>  | <u>12.86</u>  |
| Minimum Monthly Treatment Charge: |                                       |                    |               |
| 6513                              | Apartment Buildings (5 or more units) | <del>57.64</del>   | <u>62.53</u>  |
|                                   | All Others                            | <del>9.29</del>    | <u>10.08</u>  |



## SCHEDULE A – WASTEWATER DEPARTMENT RATES FOR TREATMENT SERVICE

EFFECTIVE 07/01/2025<sup>4</sup>

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### IV. Monthly San Francisco Bay Pollution Prevention Fee

|   |                            |
|---|----------------------------|
| <u>A. Commercial (applicable to non-residential accounts)</u>                           | <u>\$5.48</u>              |
| <u>B. Residential (applicable to residential accounts with four or fewer dwellings)</u> | <u>\$0.20 per dwelling</u> |
| <u>C. Residential (applicable to residential accounts with five or more dwellings)</u>  | <u>\$1.00</u>              |



## SCHEDULE A – WASTEWATER DEPARTMENT RATES FOR TREATMENT SERVICE

EFFECTIVE 07/01/2025

|   | Current |
|---|---------|
| <b>I. Unit Treatment Rates (for permit accounts)</b>  |         |
| Flow (\$ per unit, 1 unit = 748 gallons = 100 cubic feet = 1 centum cubic foot (CCF))   | \$1.82  |
| Chemical Oxygen Demand (\$ per pound of discharge)  | 0.19    |
| Total Suspended Solids (\$ per pound of discharge)  | 0.78    |
| Unit treatment rates for Flow, Chemical Oxygen Demand (COD), Total Suspended Solids (TSS) and a Service Charge are applied to all users unless otherwise indicated. |         |
| <b>II. Residential Monthly Charges</b><br>(6514 Multi-Family under 5 dwelling units & 8800 Single-Family)   |         |
| A. Service Charge (per account)   | 10.08   |
| B. Strength Charge (per dwelling unit)  | 10.49   |
| Minimum monthly charge per household  | 20.57   |
| C. Plus: A flow charge of \$1.82 per unit applied to a maximum of 9 units (per dwelling unit)   |         |
| Minimum monthly charge at 0 units   | 0.00    |
| Maximum monthly charge at 9 units   | 16.38   |
| D. Total Residential Charge (A+B+C above) <sup>1</sup>  |         |
| Minimum monthly charge (for 8800)   | 20.57   |
| Maximum monthly charge (for 8800)   | 36.95   |
| Average monthly charge (for 8800)   | 29.67   |
| <sup>1</sup> Does not include SF Bay Residential Pollution Prevention Fee   |         |
| <b>III. Non-Residential Charges</b>   |         |
| A. Monthly service charge (per account)   | 10.08   |
| B. Treatment charge including flow processing (per unit of sewage discharge)  |         |
| 2010 Meat Products  | 12.74   |
| 2011 Slaughterhouses  | 12.20   |
| 2020 Dairy Product Processing   | 9.99    |
| 2030 Fruit and Vegetable Canning  | 8.04    |
| 2040 Grain Mills  | \$8.01  |



## SCHEDULE A – WASTEWATER DEPARTMENT RATES FOR TREATMENT SERVICE

EFFECTIVE 07/01/2025

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|   | Current |
|---|---------|
| 2050 Bakeries (including Pastries)  | 13.84   |
| 2060 Sugar Processing   | 7.91    |
| 2077 Rendering Tallow   | 24.03   |
| 2080 Beverage Manufacturing & Bottling  | 6.01    |
| 2090 Specialty Foods Manufacturing  | 25.84   |
| 2600 Pulp and Paper Products  | 6.87    |
| 2810 Inorganic Chemicals Mfgr.  | 8.84    |
| 2820 Synthetic Material Manufacturing   | 2.07    |
| 2830 Drug Manufacturing   | 4.46    |
| 2840 Cleaning and Sanitation Products   | 9.02    |
| 2850 Paint Manufacturing  | 17.39   |
| 2893 Ink and Pigment Manufacturing  | 6.29    |
| 3110 Leather Tanning and Finishing  | 24.02   |
| 3200 Earthenware Manufacturing  | 4.88    |
| 3300 Primary Metals Manufacturing   | 3.86    |
| 3400 Metal Products Fabricating   | 2.26    |
| 3410 Drum and Barrel Manufacturing  | 24.46   |
| 3470 Metal Coating  | 2.45    |
| 4500 Air Transportation   | 3.22    |
| 4951 Groundwater Remediation  | 1.89    |
| 5812 Food Service Establishments  | 8.37    |
| 6513 Apartment Buildings (5 or more dwelling units)   | 4.07    |
| 7000 Hotels, Motels with Food Service   | 6.02    |
| 7210 Commercial Laundries   | 5.41    |
| 7215 Coin Operated Laundromats  | 4.06    |
| 7218 Industrial Laundries   | 15.37   |
| 7300 Laboratories   | 2.91    |
| 7542 Automobile Washing and Polishing   | 3.85    |
| 8060 Hospitals  | 3.70    |
| 8200 Schools  | 2.72    |
| All Other Business Classification Code<br>(includes dischargers of only segregated<br>domestic wastes from sanitary conveniences) | 4.07    |



## SCHEDULE A – WASTEWATER DEPARTMENT RATES FOR TREATMENT SERVICE

EFFECTIVE 07/01/2025

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### Multi-Use Food Service Establishments and Domestic Waste Accounts

Accounts identified by EBMUD where there are one or more food service establishments or bakeries sharing the water meter with establishments or operations with only domestic waste discharges. These accounts are assigned an MU code based on the percentage split of the discharge from the food service establishment operations or bakeries and domestic waste. The unit treatment charge for each MU Code is calculated from the food service establishment or bakeries treatment rate and the domestic waste treatment rate.

| MU Code                           |                                       | Current |
|-----------------------------------|---------------------------------------|---------|
| A                                 | 0-9% Food, 91-100% Domestic           | \$4.07  |
| B                                 | 10-19% Food, 81-90% Domestic          | 4.50    |
| C                                 | 20-29% Food, 71-80% Domestic          | 4.93    |
| D                                 | 30-39% Food, 61-70% Domestic          | 5.36    |
| E                                 | 40-49% Food, 51-60% Domestic          | 5.79    |
| F                                 | 50-59% Food, 41-50% Domestic          | 6.22    |
| G                                 | 60-69% Food, 31-40% Domestic          | 6.65    |
| H                                 | 70-79% Food, 21-30% Domestic          | 7.08    |
| I                                 | 80-89% Food, 11-20% Domestic          | 7.51    |
| J                                 | 90-99% Food, 1-10% Domestic           | 7.94    |
| K                                 | 0-9% Bakery, 91-100% Domestic         | 4.07    |
| L                                 | 10-19% Bakery, 81-90% Domestic        | 5.05    |
| M                                 | 20-29% Bakery, 71-80% Domestic        | 6.02    |
| N                                 | 30-39% Bakery, 61-70% Domestic        | 7.00    |
| O                                 | 40-49% Bakery, 51-60% Domestic        | 7.98    |
| P                                 | 50-59% Bakery, 41-50% Domestic        | 8.96    |
| Q                                 | 60-69% Bakery, 31-40% Domestic        | 9.93    |
| R                                 | 70-79% Bakery, 21-30% Domestic        | 10.91   |
| S                                 | 80-89% Bakery, 11-20% Domestic        | 11.89   |
| T                                 | 90-99% Bakery, 1-10% Domestic         | 12.86   |
| Minimum Monthly Treatment Charge: |                                       |         |
| 6513                              | Apartment Buildings (5 or more units) | 62.53   |
|                                   | All Others                            | 10.08   |



## SCHEDULE A – WASTEWATER DEPARTMENT RATES FOR TREATMENT SERVICE

EFFECTIVE 07/01/2025

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### IV. Monthly San Francisco Bay Pollution Prevention Fee

- |  |                     |
|--|---------------------|
| A. Commercial (applicable to non-residential accounts)                           | \$5.48              |
| B. Residential (applicable to residential accounts with four or fewer dwellings) | \$0.20 per dwelling |
| C. Residential (applicable to residential accounts with five or more dwellings)  | \$1.00              |



Wastewater Department

Schedule A

Rates for Treatment Service

FY 2027



## SCHEDULE A – WASTEWATER DEPARTMENT RATES FOR TREATMENT SERVICE

EFFECTIVE 07/01/202~~6~~<sup>5</sup>

|   | Current           |               |
|---|-------------------|---------------|
| <b>I. Unit Treatment Rates (for permit accounts)</b>  |                   |               |
| Flow (\$ per unit, 1 unit = 748 gallons = 100 cubic feet = 1 centum cubic foot (CCF))   | <del>\$1.82</del> | <u>\$1.97</u> |
| Chemical Oxygen Demand (\$ per pound of discharge)  | <del>0.19</del>   | <u>0.21</u>   |
| Total Suspended Solids (\$ per pound of discharge)  | <del>0.78</del>   | <u>0.85</u>   |
| Unit treatment rates for Flow, Chemical Oxygen Demand (COD), Total Suspended Solids (TSS) and a Service Charge are applied to all users unless otherwise indicated. |                   |               |
| <b>II. Residential Monthly Charges</b><br>(6514 Multi-Family under 5 dwelling <del>s</del> <sup>s</sup> -units & 8800 Single-Family)                                |                   |               |
| A. Service Charge (per account)   | <del>10.08</del>  | <u>10.94</u>  |
| B. Strength Charge (per dwelling <del>-unit</del> )   | <del>10.49</del>  | <u>11.38</u>  |
| Minimum monthly charge per household  | <del>20.57</del>  | <u>22.32</u>  |
| C. Plus: A flow charge of \$1. <del>9782</del> <sup>97</sup> per unit applied to a maximum of 9 units (per dwelling <del>-unit</del> )                              |                   |               |
| Minimum monthly charge at 0 units   | 0.00              | 0.00          |
| Maximum monthly charge at 9 units   | <del>16.38</del>  | <u>17.73</u>  |
| D. Total Residential Charge (A+B+C above) <sup>1</sup>  |                   |               |
| Minimum monthly charge (for 8800)   | <del>20.57</del>  | <u>22.32</u>  |
| Maximum monthly charge (for 8800)   | <del>36.95</del>  | <u>40.05</u>  |
| Average monthly charge (for 8800)   | <del>29.67</del>  | <u>32.17</u>  |
| <sup>1</sup> Does not include SF Bay Residential Pollution Prevention Fee   |                   |               |
| <b>III. Non-Residential Charges</b>   |                   |               |
| A. Monthly service charge (per account)   | <del>10.08</del>  | <u>10.94</u>  |
| B. Treatment charge including flow processing (per unit <del>-of</del><br><del>sewage-discharge</del> )   |                   |               |
| 2010 Meat Products  | <del>12.74</del>  | <u>13.82</u>  |
| 2011 Slaughterhouses  | <del>12.20</del>  | <u>13.24</u>  |
| 2020 Dairy Product Processing   | <del>9.99</del>   | <u>10.84</u>  |
| 2030 Fruit and Vegetable Canning  | <del>8.04</del>   | <u>8.72</u>   |
| 2040 Grain Mills  | <del>8.04</del>   | <u>8.69</u>   |



## SCHEDULE A – WASTEWATER DEPARTMENT RATES FOR TREATMENT SERVICE

EFFECTIVE 07/01/2026<sup>5</sup>

|   | Current            |                |
|---|--------------------|----------------|
| 2050 Bakeries (including Pastries)  | <del>\$13.84</del> | <u>\$15.02</u> |
| 2060 Sugar Processing   | <del>7.91</del>    | <u>8.58</u>    |
| 2077 Rendering Tallow   | <del>24.03</del>   | <u>26.07</u>   |
| 2080 Beverage Manufacturing & Bottling  | <del>6.01</del>    | <u>6.52</u>    |
| 2090 Specialty Foods Manufacturing  | <del>25.84</del>   | <u>28.04</u>   |
| 2600 Pulp and Paper Products  | <del>6.87</del>    | <u>7.45</u>    |
| 2810 Inorganic Chemicals Mfr.   | <del>8.84</del>    | <u>9.59</u>    |
| 2820 Synthetic Material Manufacturing   | <del>2.07</del>    | <u>2.25</u>    |
| 2830 Drug Manufacturing   | <del>4.46</del>    | <u>4.84</u>    |
| 2840 Cleaning and Sanitation Products   | <del>9.02</del>    | <u>9.79</u>    |
| 2850 Paint Manufacturing  | <del>17.39</del>   | <u>18.87</u>   |
| 2893 Ink and Pigment Manufacturing  | <del>6.29</del>    | <u>6.82</u>    |
| 3110 Leather Tanning and Finishing  | <del>24.02</del>   | <u>26.06</u>   |
| 3200 Earthenware Manufacturing  | <del>4.88</del>    | <u>5.29</u>    |
| 3300 Primary Metals Manufacturing   | <del>3.86</del>    | <u>4.19</u>    |
| 3400 Metal Products Fabricating   | <del>2.26</del>    | <u>2.45</u>    |
| 3410 Drum and Barrel Manufacturing  | <del>24.46</del>   | <u>26.54</u>   |
| 3470 Metal Coating  | <del>2.45</del>    | <u>2.66</u>    |
| 4500 Air Transportation   | <del>3.22</del>    | <u>3.49</u>    |
| 4951 Groundwater Remediation  | <del>1.89</del>    | <u>2.05</u>    |
| 5812 Food Service Establishments  | <del>8.37</del>    | <u>9.08</u>    |
| 6513 Apartment Buildings (5 or more dwelling <del>units</del> )   | <del>4.07</del>    | <u>4.42</u>    |
| 7000 Hotels, Motels with Food Service   | <del>6.02</del>    | <u>6.53</u>    |
| 7210 Commercial Laundries   | <del>5.41</del>    | <u>5.87</u>    |
| 7215 Coin Operated Laundromats  | <del>4.06</del>    | <u>4.41</u>    |
| 7218 Industrial Laundries   | <del>15.37</del>   | <u>16.68</u>   |
| 7300 Laboratories   | <del>2.91</del>    | <u>3.16</u>    |
| 7542 Automobile Washing and Polishing   | <del>3.85</del>    | <u>4.18</u>    |
| 8060 Hospitals  | <del>3.70</del>    | <u>4.01</u>    |
| 8200 Schools  | <del>2.72</del>    | <u>2.95</u>    |
| All Other Business Classification Code<br>(includes dischargers of only segregated<br>domestic wastes from sanitary conveniences) | <del>4.07</del>    | <u>4.42</u>    |



## SCHEDULE A – WASTEWATER DEPARTMENT RATES FOR TREATMENT SERVICE

EFFECTIVE 07/01/202~~6~~<sup>5</sup>

### Multi-Use Food Service Establishments and Domestic Waste Accounts

Accounts identified by EBMUD where there are one or more food service establishments or bakeries sharing the water meter with establishments or operations with only domestic waste discharges. These accounts are assigned an MU code based on the percentage split of the discharge from the food service establishment operations or bakeries and domestic waste. The unit treatment charge for each MU Code is calculated from the food service establishment or bakeries treatment rate and the domestic waste treatment rate.

| MU Code                           |                                       | Current           |               |
|-----------------------------------|---------------------------------------|-------------------|---------------|
| A                                 | 0-9% Food, 91-100% Domestic           | <del>\$4.07</del> | <u>\$4.42</u> |
| B                                 | 10-19% Food, 81-90% Domestic          | <del>4.50</del>   | <u>4.89</u>   |
| C                                 | 20-29% Food, 71-80% Domestic          | <del>4.93</del>   | <u>5.35</u>   |
| D                                 | 30-39% Food, 61-70% Domestic          | <del>5.36</del>   | <u>5.82</u>   |
| E                                 | 40-49% Food, 51-60% Domestic          | <del>5.79</del>   | <u>6.29</u>   |
| F                                 | 50-59% Food, 41-50% Domestic          | <del>6.22</del>   | <u>6.75</u>   |
| G                                 | 60-69% Food, 31-40% Domestic          | <del>6.65</del>   | <u>7.22</u>   |
| H                                 | 70-79% Food, 21-30% Domestic          | <del>7.08</del>   | <u>7.68</u>   |
| I                                 | 80-89% Food, 11-20% Domestic          | <del>7.51</del>   | <u>8.15</u>   |
| J                                 | 90-99% Food, 1-10% Domestic           | <del>7.94</del>   | <u>8.62</u>   |
| K                                 | 0-9% Bakery, 91-100% Domestic         | <del>4.07</del>   | <u>4.42</u>   |
| L                                 | 10-19% Bakery, 81-90% Domestic        | <del>5.05</del>   | <u>5.48</u>   |
| M                                 | 20-29% Bakery, 71-80% Domestic        | <del>6.02</del>   | <u>6.54</u>   |
| N                                 | 30-39% Bakery, 61-70% Domestic        | <del>7.00</del>   | <u>7.60</u>   |
| O                                 | 40-49% Bakery, 51-60% Domestic        | <del>7.98</del>   | <u>8.66</u>   |
| P                                 | 50-59% Bakery, 41-50% Domestic        | <del>8.96</del>   | <u>9.73</u>   |
| Q                                 | 60-69% Bakery, 31-40% Domestic        | <del>9.93</del>   | <u>10.78</u>  |
| R                                 | 70-79% Bakery, 21-30% Domestic        | <del>10.91</del>  | <u>11.84</u>  |
| S                                 | 80-89% Bakery, 11-20% Domestic        | <del>11.89</del>  | <u>12.90</u>  |
| T                                 | 90-99% Bakery, 1-10% Domestic         | <del>12.86</del>  | <u>13.96</u>  |
| Minimum Monthly Treatment Charge: |                                       |                   |               |
| 6513                              | Apartment Buildings (5 or more units) | <del>62.53</del>  | <u>67.84</u>  |
|                                   | All Others                            | <del>10.08</del>  | <u>10.94</u>  |



## SCHEDULE A – WASTEWATER DEPARTMENT RATES FOR TREATMENT SERVICE

EFFECTIVE 07/01/202~~6~~<sup>5</sup>

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### IV. Monthly San Francisco Bay Pollution Prevention Fee

- |  |                     |
|--|---------------------|
| A. Commercial (applicable to non-residential accounts)                           | \$5.48              |
| B. Residential (applicable to residential accounts with four or fewer dwellings) | \$0.20 per dwelling |
| C. Residential (applicable to residential accounts with five or more dwellings)  | \$1.00              |



## SCHEDULE A – WASTEWATER DEPARTMENT RATES FOR TREATMENT SERVICE

EFFECTIVE 07/01/2026

Current

**I. Unit Treatment Rates (for permit accounts)**

|   |        |
|---|--------|
| Flow (\$ per unit, 1 unit = 748 gallons = 100 cubic feet = 1 centum cubic foot (CCF)) | \$1.97 |
| Chemical Oxygen Demand (\$ per pound of discharge)                                    | 0.21   |
| Total Suspended Solids (\$ per pound of discharge)                                    | 0.85   |

Unit treatment rates for Flow, Chemical Oxygen Demand (COD), Total Suspended Solids (TSS) and a Service Charge are applied to all users unless otherwise indicated.

**II. Residential Monthly Charges**

(6514 Multi-Family under 5 dwellings& 8800 Single-Family)

|  |       |
|--|-------|
| A. Service Charge (per account)  | 10.94 |
| B. Strength Charge (per dwelling)  | 11.38 |
| Minimum monthly charge per household   | 22.32 |
| C. Plus: A flow charge of \$1.97 per unit applied to a maximum of 9 units (per dwelling) |       |
| Minimum monthly charge at 0 units  | 0.00  |
| Maximum monthly charge at 9 units  | 17.73 |
| D. Total Residential Charge (A+B+C above) <sup>1</sup>                                   |       |
| Minimum monthly charge (for 8800)  | 22.32 |
| Maximum monthly charge (for 8800)  | 40.05 |
| Average monthly charge (for 8800)  | 32.17 |

<sup>1</sup>Does not include SF Bay Residential Pollution Prevention Fee

**III. Non-Residential Charges**

|  |         |
|--|---------|
| A. Monthly service charge (per account)                  | 10.94   |
| B. Treatment charge including flow processing (per unit) |         |
| 2010 Meat Products                                       | 13.82   |
| 2011 Slaughterhouses                                     | 13.24   |
| 2020 Dairy Product Processing                            | 10.84   |
| 2030 Fruit and Vegetable Canning                         | 8.72    |
| 2040 Grain Mills   | 8.69    |
| 2050 Bakeries (including Pastries)                       | \$15.02 |
| 2060 Sugar Processing                                    | 8.58    |



## SCHEDULE A – WASTEWATER DEPARTMENT RATES FOR TREATMENT SERVICE

EFFECTIVE 07/01/2026

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|   | Current |
|---|---------|
| 2077 Rendering Tallow   | 26.07   |
| 2080 Beverage Manufacturing & Bottling  | 6.52    |
| 2090 Specialty Foods Manufacturing  | 28.04   |
| 2600 Pulp and Paper Products  | 7.45    |
| 2810 Inorganic Chemicals Mfgr.  | 9.59    |
| 2820 Synthetic Material Manufacturing   | 2.25    |
| 2830 Drug Manufacturing   | 4.84    |
| 2840 Cleaning and Sanitation Products   | 9.79    |
| 2850 Paint Manufacturing  | 18.87   |
| 2893 Ink and Pigment Manufacturing  | 6.82    |
| 3110 Leather Tanning and Finishing  | 26.06   |
| 3200 Earthenware Manufacturing  | 5.29    |
| 3300 Primary Metals Manufacturing   | 4.19    |
| 3400 Metal Products Fabricating   | 2.45    |
| 3410 Drum and Barrel Manufacturing  | 26.54   |
| 3470 Metal Coating  | 2.66    |
| 4500 Air Transportation   | 3.49    |
| 4951 Groundwater Remediation  | 2.05    |
| 5812 Food Service Establishments  | 9.08    |
| 6513 Apartment Buildings (5 or more dwellings)  | 4.42    |
| 7000 Hotels, Motels with Food Service   | 6.53    |
| 7210 Commercial Laundries   | 5.87    |
| 7215 Coin Operated Laundromats  | 4.41    |
| 7218 Industrial Laundries   | 16.68   |
| 7300 Laboratories   | 3.16    |
| 7542 Automobile Washing and Polishing   | 4.18    |
| 8060 Hospitals  | 4.01    |
| 8200 Schools  | 2.95    |
| All Other Business Classification Code<br>(includes dischargers of only segregated<br>domestic wastes from sanitary conveniences) | 4.42    |



## SCHEDULE A – WASTEWATER DEPARTMENT RATES FOR TREATMENT SERVICE

EFFECTIVE 07/01/2026

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### Multi-Use Food Service Establishments and Domestic Waste Accounts

Accounts identified by EBMUD where there are one or more food service establishments or bakeries sharing the water meter with establishments or operations with only domestic waste discharges. These accounts are assigned an MU code based on the percentage split of the discharge from the food service establishment operations or bakeries and domestic waste. The unit treatment charge for each MU Code is calculated from the food service establishment or bakeries treatment rate and the domestic waste treatment rate.

| MU Code                           |                                       | Current |
|-----------------------------------|---------------------------------------|---------|
| A                                 | 0-9% Food, 91-100% Domestic           | \$4.42  |
| B                                 | 10-19% Food, 81-90% Domestic          | 4.89    |
| C                                 | 20-29% Food, 71-80% Domestic          | 5.35    |
| D                                 | 30-39% Food, 61-70% Domestic          | 5.82    |
| E                                 | 40-49% Food, 51-60% Domestic          | 6.29    |
| F                                 | 50-59% Food, 41-50% Domestic          | 6.75    |
| G                                 | 60-69% Food, 31-40% Domestic          | 7.22    |
| H                                 | 70-79% Food, 21-30% Domestic          | 7.68    |
| I                                 | 80-89% Food, 11-20% Domestic          | 8.15    |
| J                                 | 90-99% Food, 1-10% Domestic           | 8.62    |
| K                                 | 0-9% Bakery, 91-100% Domestic         | 4.42    |
| L                                 | 10-19% Bakery, 81-90% Domestic        | 5.48    |
| M                                 | 20-29% Bakery, 71-80% Domestic        | 6.54    |
| N                                 | 30-39% Bakery, 61-70% Domestic        | 7.60    |
| O                                 | 40-49% Bakery, 51-60% Domestic        | 8.66    |
| P                                 | 50-59% Bakery, 41-50% Domestic        | 9.73    |
| Q                                 | 60-69% Bakery, 31-40% Domestic        | 10.78   |
| R                                 | 70-79% Bakery, 21-30% Domestic        | 11.84   |
| S                                 | 80-89% Bakery, 11-20% Domestic        | 12.90   |
| T                                 | 90-99% Bakery, 1-10% Domestic         | 13.96   |
| Minimum Monthly Treatment Charge: |                                       |         |
| 6513                              | Apartment Buildings (5 or more units) | 67.84   |
|                                   | All Others                            | 10.94   |





## SCHEDULE A – WASTEWATER DEPARTMENT RATES FOR TREATMENT SERVICE

EFFECTIVE 07/01/2026

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### IV. Monthly San Francisco Bay Pollution Prevention Fee

- |  |                     |
|--|---------------------|
| A. Commercial (applicable to non-residential accounts)                           | \$5.48              |
| B. Residential (applicable to residential accounts with four or fewer dwellings) | \$0.20 per dwelling |
| C. Residential (applicable to residential accounts with five or more dwellings)  | \$1.00              |

Wastewater Department

Schedule B

Wet Weather Facilities Charge

FY 2026



## SCHEDULE B – WASTEWATER DEPARTMENT WET WEATHER FACILITIES CHARGE

EFFECTIVE 07/01/202~~5~~<sup>4</sup>

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Annual Charge Collected on Property Tax Bill<sup>1</sup>

| TYPE                                | RATE                               |
|-------------------------------------|------------------------------------|
| Small Lot (0 - 5,000 sq. ft.)       | \$ <del>147.38</del> <u>159.90</u> |
| Medium Lot (5,001 – 10,000 sq. ft.) | \$ <del>230.16</del> <u>249.72</u> |
| Large Lot (> 10,000 sq. ft.)        | \$ <del>526.00</del> <u>570.70</u> |

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<sup>1</sup> The WWFC for entities that are exempt from property taxes (e.g., public agencies) is collected through the District's billing process.



## SCHEDULE B – WASTEWATER DEPARTMENT WET WEATHER FACILITIES CHARGE

EFFECTIVE 07/01/2025

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Annual Charge Collected on Property Tax Bill<sup>1</sup>

| TYPE                                | RATE     |
|-------------------------------------|----------|
| Small Lot (0 - 5,000 sq. ft.)       | \$159.90 |
| Medium Lot (5,001 – 10,000 sq. ft.) | \$249.72 |
| Large Lot (> 10,000 sq. ft.)        | \$570.70 |

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<sup>1</sup> The WWFC for entities that are exempt from property taxes (e.g., public agencies) is collected through the District's billing process.

Wastewater Department

Schedule B

Wet Weather Facilities Charge

FY 2027



## SCHEDULE B – WASTEWATER DEPARTMENT WET WEATHER FACILITIES CHARGE

EFFECTIVE 07/01/202~~6~~<sup>5</sup>

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Annual Charge Collected on Property Tax Bill<sup>1</sup>

| TYPE                                | RATE                               |
|-------------------------------------|------------------------------------|
| Small Lot (0 - 5,000 sq. ft.)       | \$ <del>159.90</del> <u>173.48</u> |
| Medium Lot (5,001 – 10,000 sq. ft.) | \$ <del>249.72</del> <u>270.94</u> |
| Large Lot (> 10,000 sq. ft.)        | \$ <del>570.70</del> <u>619.20</u> |

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<sup>1</sup> The WWFC for entities that are exempt from property taxes (e.g., public agencies) is collected through the District's billing process.



## SCHEDULE B – WASTEWATER DEPARTMENT WET WEATHER FACILITIES CHARGE

EFFECTIVE 07/01/2026

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Annual Charge Collected on Property Tax Bill<sup>1</sup>

| TYPE                                | RATE     |
|-------------------------------------|----------|
| Small Lot (0 - 5,000 sq. ft.)       | \$173.48 |
| Medium Lot (5,001 – 10,000 sq. ft.) | \$270.94 |
| Large Lot (> 10,000 sq. ft.)        | \$619.20 |

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<sup>1</sup> The WWFC for entities that are exempt from property taxes (e.g., public agencies) is collected through the District's billing process.

RESOLUTION NO. \_\_\_\_\_

ADOPTING WATER SYSTEM SCHEDULE OF RATES AND CHARGES AND  
WASTEWATER SYSTEM SCHEDULE OF RATES AND CHARGES SUBJECT TO  
PROPOSITION 218 FOR FISCAL YEAR 2026 AND FISCAL YEAR 2027, CONFIRMING  
THE EXEMPTION DETERMINATION UNDER THE CALIFORNIA  
ENVIRONMENTAL QUALITY ACT, AND DIRECTING STAFF  
TO FILE A NOTICE OF EXEMPTION

Introduced by Director

; Seconded by Director

WHEREAS, the Board of Directors of the East Bay Municipal Utility District (District) has reviewed and will consider adoption of the Fiscal Year 2026 (FY 2026) and Fiscal Year 2027 (FY 2027) Biennial Budget (Biennial Budget), which is reflected in the Proposed Biennial Budget Fiscal Years 2026 and 2027, Volumes 1 and 2, for expenditures necessary and advisable for the proper conduct of the activities of the District; and

WHEREAS, in January 2024, the District retained Stantec Consulting Services, Inc. (Stantec), to perform an independent Cost of Service (COS) study for the Water System to ensure that the relevant District's rates and charges comply with the requirements of article XIII D, section 6 of the California Constitution (Proposition 218) and with COS principles; and

WHEREAS, in March 2025, Stantec completed the District's COS rate study for the Water System (Water COS Rate Study) that developed a rate structure to comply with article XIII D, section 6 of the California Constitution (Proposition 218); the Water COS Rate Study is attached as Exhibit C and is incorporated herein by reference; and

WHEREAS, in June 2018, the District retained Raftelis Financial Consultants, Inc. (Raftelis) to perform an independent COS study for the Wastewater System to ensure that the District's rates and charges comply with the requirements of Proposition 218 and with COS principles; and

WHEREAS, in May 2019, Raftelis completed a COS study for the District's Wastewater System (Wastewater COS Rate Study) that developed a rate structure to comply with the requirements of Proposition 218; the Wastewater COS Rate Study is attached as Exhibit D and is incorporated herein by reference; and

WHEREAS, in March 2025, the District's General Manager recommended rates and charges to continue to reflect proportional recovery of COS for each parcel served by Water and Wastewater Systems based on the Biennial Budget, the Water COS Rate Study, the Wastewater COS Rate Study, and on projected water sales for FY 2026 and FY 2027; the General Manager's Memorandum is attached as Exhibit E and is incorporated herein by reference; and

WHEREAS, in accordance with section 14401 of the California Public Utilities Code, on May 13, 2025, the General Manager filed with the Board of Directors the Report and Recommendation of the General Manager for Revisions to the Water and Wastewater Schedules of Rates and Charges Subject to Proposition 218 for Fiscal Years 2026 and 2027 (GM Report



and Recommendation), in which the General Manager recommends the District's Board of Directors adopt the proposed rates and charges to meet the revenue requirements for FY 2026 and FY 2027; the GM Report and Recommendation is incorporated herein by reference; and

WHEREAS, the Water COS Rate Study has been updated to reflect the proposed and projected FY 2026 and FY 2027 expenditures, revenues, and water sales, and has been incorporated and reflected in the GM Report and Recommendation, and in the proposed water rates and charges for FY 2026 and FY 2027; and

WHEREAS, the Wastewater COS Rate Study has been updated to reflect the proposed and projected FY 2026 and FY 2027 expenditures, revenues, and wastewater sales, and has been incorporated and reflected in the GM Report and Recommendation, and in the proposed wastewater rates and charges for FY 2026 and FY 2027; and

WHEREAS, the District maintains a staged system of droughts (Stages 1 – 4) in which an adopted stage of drought helps determine the need for dry year supplemental supplies and customer water demand reductions; and

WHEREAS, the proposed rates and charges include a Drought Surcharge, which may be imposed on each unit of water delivered during a drought to mitigate revenue reductions associated with the drought and to recover additional costs expected to be incurred to provide water service during the drought, including, without limitation, costs related to supplemental water supplies and additional customer service resources and outreach efforts; and

WHEREAS, the General Manager in the GM Report and Recommendation recommends Drought Surcharges for potential future implementation in the event of a Stage 1 or greater drought declaration during FY 2026 or FY 2027; and

WHEREAS, prior to implementing any Drought Surcharge in FY 2026 or FY 2027, the District will prepare a drought budget that indicates the projected fiscal impact of the drought, and the General Manager will recommend to the Board of Directors a Drought Surcharge based on the drought budget; and

WHEREAS, any Drought Surcharge that is imposed will be consistent with the existing staged system, the drought budget, and the Water COS Rate Study, will continue to reflect proportional recovery of COS for each parcel served by the Water System, and will not exceed the maximum percentages described in Schedule L – Drought Surcharge Rate Schedule for Water Service contained in Appendix A of the GM Report and Recommendation and attached hereto as Exhibit A; and

WHEREAS, the proposed rates and charges include a Wet Weather Facilities Charge (WWFC), which is a charge that is based on the size of a given parcel and that is unrelated to water or wastewater usage at the property, the District generally collects the WWFC on the property tax rolls of Alameda and Contra Costa Counties, pursuant to its authority under California Health and Safety Code (H&SC) section 5471, et seq., for all parcels that have connections to the local wastewater collection systems within the District's wastewater service area and, for entities that

are exempt from property taxes, the WWFC is generally collected through the District's billing process; and

WHEREAS, revenues from the WWFC will be used for purposes authorized by H&SC section 5471(c), including to fund capital expenses for District facilities required to handle peak wet weather flows that are in excess of normal discharges from wastewater customers; and

WHEREAS, as evidenced by the Water COS Rate Study, the Biennial Budget, and the GM Report and Recommendation, the revenues derived from the water rates and charges will not exceed the funds required to provide water services and shall be used exclusively for the Water System; and

WHEREAS, the water rates and charges will not exceed the proportional cost of the services attributable to each parcel upon which they are imposed; and

WHEREAS, the water rates and charges will not be imposed on a parcel unless the water services are actually used by, or immediately available to, the owner of the parcel; and

WHEREAS, as evidenced by the Wastewater COS Rate Study, the Biennial Budget, and the GM Report and Recommendation, the revenues derived from the wastewater rates and charges will not exceed the funds required to provide wastewater services and shall be used exclusively for the Wastewater Systems; and

WHEREAS, the wastewater rates and charges will not exceed the proportional cost of the services attributable to each parcel upon which they are imposed; and

WHEREAS, the wastewater rates and charges will not be imposed on a parcel unless the wastewater services are actually used by, or immediately available to, the owner of the parcel; and

WHEREAS, in compliance and consistent with Proposition 218 and the Proposition 218 Omnibus Implementation Act (Government Code § 53750, et seq.) the District provided written notice (Notice) of: (1) the proposed rates and charges to the record owner of each parcel upon which the rates and charges are proposed for imposition (record owners) and to customers of record (e.g., tenant) (customers of record); (2) the amount of the rates and charges proposed to be imposed on each parcel; (3) the basis upon which the amount of the rates and charges was calculated; (4) the reason for the rates and charges; and (5) the date, time, and location of a public hearing on the proposed rates and charges (Hearing); and

WHEREAS, a copy of the Notice, which includes the verbatim language provided to record owners and customers of record, is attached as Exhibit F and incorporated by reference herein; and

WHEREAS, the District provided Notice to record owners and customers of record not less than forty-five days (45) prior to the Hearing; and

WHEREAS, in compliance and consistent with Government Code section 53759.1, the Notice included a prominently displayed statement that contained the information that all written objections must be submitted within the written objection period and that a failure to timely object in writing bars any right to challenge the proposed rates or charges through a legal proceeding and that contained all substantive and procedural requirements for submitting an objection to the proposed rates or charges; and

WHEREAS, pursuant to Government Code section 53759.1, the District made available to the public the proposed rates and charges no less than forty-five (45) days prior to the deadline to submit an objection; and

WHEREAS, pursuant to Government Code section 53759.1, the District posted on its internet website a written basis for the proposed rates and charges and included a link to the internet website in the Notice; and

WHEREAS, pursuant to Government Code section 53759.1, the District mailed the written basis to a property owner or customer of record upon request or, if no such request were made, would have mailed the written basis to a property owner or customer of record upon request; and

WHEREAS, pursuant to Government Code section 53759.1, the District provided at least forty-five (45) days for a property owner or customer of record to review the proposed rates and charges and to timely submit to the District a written objection to the proposed rates or charges that specifies the grounds for alleging noncompliance (Objection); and

WHEREAS, pursuant to Government Code section 53759.1, the District established a written objection period with a deadline of 11:59 P.M. on Monday, June 2, 2025 (Deadline), which is no less than forty-five (45) days after Notice was provided, to submit an Objection; and

WHEREAS, pursuant to Government Code section 53759.1, the District considered and responded to each Objection prior to the close of the Hearing in writing, which included the grounds for which a challenge is not resulting in amendments to the proposed rates or charges and which included an explanation of the substantive basis for retaining and for not altering the proposed rates or charges in response to each Objection, or the District would have considered and would have responded to each Objection prior to the close of the Hearing in writing, which would have included the grounds for which a challenge is not resulting in amendments to the proposed rates or charges and which would have included an explanation of the substantive basis for retaining and for not altering the proposed rates or charges in response to each Objection; and

WHEREAS, the District received no Objections; and

WHEREAS, the District received other mailed or personally delivered correspondence that both relates to the proposed rates and charges and that does not constitute an Objection (Submission); and

WHEREAS, the District considered and responded to all Submissions prior to the close of the Hearing in writing (Response), which included the grounds for which a challenge is not resulting in amendments to the proposed rates or charges and which included an explanation of the

substantive basis for retaining and for not altering the proposed rates or charges in response to all Submissions; and

WHEREAS, in compliance and consistent with Government Code section 53759.1, all Objections, Submissions, and Responses were presented to the District's Board of Directors for consideration prior to or during the Hearing, or if no Objections were received, would have been presented to the District's Board of Directors for consideration prior to or during the Hearing; and

WHEREAS, pursuant to Government Code section 53759.1, the District completed the procedures described in Government Code section 53759.1(c)(1)-(6) prior to the Hearing; and

WHEREAS, pursuant to Government Code section 53759.1, the Board of Directors has found and has determined that that the Objections, Submissions, and Responses do not warrant clarification to any proposed rate or charge; no reduction in any proposed rate or charge is warranted; no further review is warranted before making a determination on whether clarification or reduction of the proposed rates and charges is needed; and to proceed with the Hearing, as reflected in Resolution No. \_\_\_\_\_, which is incorporated herein by reference; and

WHEREAS, public workshops on the District's budget and rates were conducted on January 28, 2025 and March 25, 2025 and a public workshop on the District's infrastructure was conducted on November 26, 2024; and

WHEREAS, the District engaged in public outreach and presented on the Biennial Budget and the proposed rates and charges at multiple community events; and

WHEREAS, the required Hearing, noticed in the manner and for the time required by law, was conducted by the Board of Directors on June 10, 2025, at which times all interested persons were afforded an opportunity to be heard on matters pertaining to the proposed water and wastewater rates and charges; and

WHEREAS, at the Hearing, the Board of Directors heard all oral comments, and considered all written materials, written protests, written objections, written submissions, written challenges, and other written correspondence concerning the establishment and imposition of the proposed rates and charges for water and wastewater services; and

WHEREAS, by the close of the Hearing, the District did not receive written protests against the proposed rates and charges for the water and wastewater services from record owners or customers of record with respect to a majority of the parcels upon which the rates and charges are proposed for imposition; and

WHEREAS, all comments, Objections, protests, Submissions, and any other challenges to the proposed rates and charges or to the GM Report and Recommendation have been given full opportunity to be heard by the Board of Directors, and the Board of Directors has fully considered them; and

WHEREAS, the proposed rates and charges as described above and as further set forth in this Resolution are subject to, and are being adopted in compliance with, Chapter 11.5 of the Municipal Utility District Act (Public Utilities Code section 14401, et seq.); and

WHEREAS, the Board of Directors now desires to adopt and to impose the proposed water and wastewater rates and charges; and

WHEREAS, the District, as the lead agency under the California Environmental Quality Act (CEQA), has determined that adoption of the rates and charges set forth in this Resolution is exempt from CEQA review under Public Resources Code section 21080(b)(8) and CEQA Guidelines section 15273 because the water and wastewater rates and charges are necessary and reasonable to fund the administration, operation, maintenance, and improvements of the Water and Wastewater Systems and will not result in the expansion of the Water and Wastewater Systems. This exemption determination is supported by the COS study, GM Report and Recommendation, and the foregoing Recitals. Further, the District has determined that the adoption of the rates and charges set forth in this Resolution is also exempt from the requirements of CEQA as an action with no possibility of causing a significant effect on the environment;

NOW, THEREFORE, BE IT RESOLVED that the Board of Directors of the East Bay Municipal Utility District hereby finds and determines the following:

1. The foregoing Recitals are true and correct, and by this reference are incorporated herein and made a part hereof.
2. At the close of the Hearing, the District had not received written protests against the proposed rates and charges for the Water or the Wastewater System from record owners or from customers of record with respect to a majority of parcels upon which the rates and charges are proposed for imposition.
3. To the extent not already addressed, all other protests, objections, submissions, and challenges to the GM Report and Recommendation are hereby rejected, overruled, and denied and the GM Report and Recommendation is hereby accepted and approved.

BE IT FURTHER RESOLVED:

4. The Board of Directors finds and determines that the revenues derived from the proposed fees and charges do not and shall not exceed the funds required to provide the water or wastewater service.
5. The Board of Directors finds and determines that the revenues derived from the proposed fees and charges do not and shall not be used for any purpose other than that for which the fee or charge was imposed.
6. The Board of Directors finds and determines that the amount of the proposed fees and charges do not and shall not exceed the proportional cost of the service attributable to the parcel.

7. The Board of Directors finds and determines that the proposed fees and charges are not for a service unless that service is actually used by, or immediately available to, the owner of the property in question.
8. The Board of Directors finds and determines that no fee or charge is or shall be imposed for general governmental services including, but not limited to, police, fire, ambulance or library services, where the service is available to the public at large in substantially the same manner as it is to property owners.

BE IT FURTHER RESOLVED:

9. Schedule A – Rate Schedule for Water Service beginning FY 2026 contained in Appendix A of the GM Report and Recommendation is attached hereto as Exhibit A, and is hereby adopted, and the rates and charges and provisions therein contained are hereby fixed and established to be effective July 1, 2025; provided, however, that the Water System rates and charges set forth in said Schedule A shall take effect with billing cycles commencing on or after July 1, 2025 for services rendered on or after July 1, 2025, and will be prorated if a portion of the bill is for services rendered prior to July 1, 2025.
10. Schedule A – Rate Schedule for Water Service beginning FY 2027 contained in Appendix A of the GM Report and Recommendation is attached hereto as Exhibit A, and is hereby adopted, and the rates and charges and provisions therein contained are hereby fixed and established to be effective July 1, 2026 and shall continue in effect unless and until modified by subsequent action of the Board of Directors; provided, however, that the Water System service rates and charges set forth in said Schedule A shall take effect with billing cycles commencing on or after July 1, 2026 for services rendered on or after July 1, 2026, and will be prorated if a portion of the bill is for services rendered prior to July 1, 2026.
11. Schedule L – Drought Surcharge Rate Schedule for Water Service beginning FY 2026 contained in Appendix A of the GM Report and Recommendation is attached hereto as Exhibit A, and is hereby adopted, and the Drought Surcharges described therein shall remain available to be implemented in the event of a Stage 1 or greater drought, provided that, prior to implementing any Drought Surcharge, the District will prepare a drought budget that indicates the projected fiscal impact of the drought, will update the Water COS Rate Study to incorporate available information regarding drought fiscal impacts, and the General Manager will recommend to the Board a Drought Surcharge based on the drought budget; and any such Drought Surcharge that is imposed will be consistent with the staged system, the drought budget, the updated Water COS Rate Study, and Schedule L and will not exceed the maximum percentages described therein.
12. Schedule A – Rates for Treatment Service beginning FY 2026 and Schedule B – Wet Weather Facilities Charge beginning FY 2026 contained in Appendix A of the GM Report and Recommendation are attached hereto as Exhibit B, and are hereby adopted, and the rates and charges and provisions therein contained are hereby fixed and established to be effective July 1, 2025 for services rendered on or after July 1, 2025; provided, however, that the Wastewater System rates and charges set forth in said

Schedule A shall take effect with billing cycles commencing on or after July 1, 2025, and will be prorated if a portion of the bill is for services rendered prior to July 1, 2025.

13. Schedule A – Rates for Treatment Service beginning FY 2027 and Schedule B – Wet Weather Facilities Charge beginning FY 2027 contained in Appendix A of the GM Report and Recommendation are attached hereto as Exhibit B, and are hereby adopted, and the rates and charges and provisions therein contained are hereby fixed and established to be effective July 1, 2026 for services rendered on or after July 1, 2026 and shall continue in effect unless and until modified by subsequent action of the Board of Directors; provided, however, that the Wastewater System rates and charges set forth in said Schedules A and B shall take effect with billing cycles commencing on or after July 1, 2026, and will be prorated if a portion of the bill is for services rendered prior to July 1, 2026.

BE IT FURTHER RESOLVED:

14. As set forth more fully above and as evidenced by the Water COS Rate Study, and Wastewater COS Rate Study, the GM Report and Recommendation, the aforesaid actions constitute modification and approval of rates and charges for the purpose of meeting operating expenses, including employee wage rates and fringe benefits; purchasing or leasing supplies, equipment, or material; meeting financial reserve needs and requirements; or obtaining funds for capital projects necessary to maintain service in the existing service area; and the Board of Directors therefore confirms the District's determination that its aforesaid actions are exempt from the requirements of CEQA. The Board of Directors further confirms the District's determination that these actions are exempt from the requirements of CEQA because there is no possibility that adoption of the rates and charges set forth herein will have a significant effect on the environment. Therefore, the Board of Directors hereby directs the Secretary of the District to file a Notice of Exemption in accordance with applicable statutes and regulations with the County Clerks of Alameda and Contra Costa Counties.

BE IT FURTHER RESOLVED:

15. The appropriate officers of the District are hereby authorized and directed to take such actions as shall be necessary to impose, enforce and collect the rates and charges.
16. The Board of Directors hereby declares that it would have adopted each section irrespective of the fact that any one or more subsections, subdivisions, sentences, clauses, or phrases be declared unconstitutional, invalid, or ineffective, and should any portion of this Resolution be invalidated by order of a court of competent jurisdiction, all other portions of this Resolution shall remain in full force and effect until modified or superseded by action of this Board of Directors.

17. This Resolution shall supersede any and all other previous District resolutions, ordinances, and management plans that conflict with, or are contrary to, this Resolution.

ADOPTED this 10th day of June, 2025 by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

ATTEST:

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President

---

Secretary

APPROVED AS TO FORM AND PROCEDURE:

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General Counsel

{00103166}



# **EXHIBIT A**

# Schedule A

## Rate Schedule for Water Service

FY 2026



## SCHEDULE A – RATE SCHEDULE FOR WATER SERVICE

EFFECTIVE 07/01/2025

### A. METER READING AND BILLING SCHEDULES

Customer accounts shall generally be subject to bimonthly meter readings and bimonthly billing schedules (bimonthly meaning once every two months) but may be subject to monthly meter readings and monthly billing schedules. The billing period for a customer account is the time between meter readings.

### B. WATER SERVICE CHARGE

Bills for all metered services shall include a WATER SERVICE CHARGE based on the size of the meter:

| METER SIZE       | SERVICE<br>CHARGE<br>AMOUNT<br>(MONTHLY<br>BILLING) | SERVICE<br>CHARGE<br>AMOUNT<br>(BI-MONTHLY<br>BILLING) |
|------------------|---|--|
| 5/8 and 3/4 inch | \$26.85   | \$53.70  |
| 1 inch           | 40.94   | 81.88  |
| 1-1/2 inch       | 76.14   | 152.28   |
| 2 inch           | 118.37  | 236.74   |
| 3 inch           | 252.14  | 504.28   |
| 4 inch           | 428.13  | 856.26   |
| 6 inch           | 956.12  | 1,912.24   |
| 8 inch           | 1,132.11  | 2,264.22   |
| 10 inch          | 1,624.90  | 3,249.80   |
| 12 inch          | 2,258.49  | 4,516.98   |
| 14 inch          | 2,892.07  | 5,784.14   |
| 16 inch          | 3,666.46  | 7,332.92   |
| 18 inch          | 4,440.84  | 8,881.68   |

The service charge for a special type of meter or for a battery of meters installed on one service in lieu of one meter will be based on the size of a single standard meter of equivalent capacity as determined by the District.

Effective July 1, 1997, when a meter larger than 4 inches is required for a single-family residential customer to maintain adequate water pressure, the maximum service charge amount shall be set at the 4-inch meter level.



## SCHEDULE A – RATE SCHEDULE FOR WATER SERVICE

EFFECTIVE 07/01/2025

### C. WATER FLOW CHARGE

Bills for all metered services shall include a WATER FLOW CHARGE based on meter readings measuring the units of water delivered during the billing period (1 unit = 748 gallons = 100 cubic feet = 1 centum cubic foot (CCF)):

| <u>Potable Water Service</u>  | VOLUMETRIC<br>RATE PER UNIT |
|---|-----------------------------|
| Single-Family Residential Accounts:                                       |                             |
| For the first 7 units/month   | \$7.89                      |
| For all water used in excess of 7<br>units/month*, up to 16 units/month** | 9.15                        |
| For all water used in excess of 16<br>units/month**                       | 10.79                       |
| Multi-Family Residential Accounts:  |                             |
| For all water used  | 8.31                        |
| All Other Water Use:  |                             |
| For all water used  | 8.52                        |

\* 7 units/month for services billed monthly and 14 units/bimonthly for services billed bi-monthly. Equates to 172 gallons per day.

\*\* 16 units/month for services billed monthly and 32 units/bimonthly for services billed bi-monthly. Equates to 393 gallons per day.

All individually metered multi-family dwelling units or individually metered mobile home residential units that receive District service shall be billed at the single-family residential rate.

Bills for all metered services nonpotable/recycled water shall include a WATER FLOW CHARGE based meter readings measuring the units of water delivered during the billing period (1 unit = 748 gallons = 100 cubic feet = 1 centum cubic foot (CCF)):

| <u>Nonpotable/Recycled Water Service</u> | VOLUMETRIC<br>PER UNIT |
|--|------------------------|
| For all water used                       | \$6.37                 |



## SCHEDULE A – RATE SCHEDULE FOR WATER SERVICE

EFFECTIVE 07/01/2025

### D. PRIVATE FIRE SERVICE CHARGE

Bills for Private Fire Services shall include a PRIVATE FIRE SERVICE CHARGE based on the size of the private fire service:

| METER SIZE       | SERVICE<br>CHARGE<br>AMOUNT<br>(MONTHLY<br>BILLING) | SERVICE<br>CHARGE<br>AMOUNT<br>(BI-MONTHLY<br>BILLING) |
|------------------|---|--|
| 5/8 and 3/4 inch | \$8.52  | \$17.04  |
| 1 inch           | 14.20   | 28.40  |
| 1-1/2 inch       | 28.40   | 56.80  |
| 2 inch           | 45.44   | 90.88  |
| 3 inch           | 99.41   | 198.82   |
| 4 inch           | 170.42  | 340.84   |
| 6 inch           | 383.43  | 766.86   |
| 8 inch           | 454.44  | 908.88   |
| 10 inch          | 653.26  | 1,306.52   |
| 12 inch          | 908.88  | 1,817.76   |
| 14 inch          | 1,164.50  | 2,329.00   |
| 16 inch          | 1,476.93  | 2,953.86   |
| 18 inch          | 1,789.36  | 3,578.72   |

There shall be no charge for water through such services extinguishing accidental fires, but any water lost through leakage or used in violation of the District's Regulations shall be paid at the rate for general use and may be subject to a penalty as may be established by the District.

### E. ELEVATION SURCHARGE

Bills for all metered services in Elevation Band 2 and Elevation Band 3 shall include an ELEVATION SURCHARGE. The elevation surcharge is determined by the elevation band in which the service connection is located.

| Elevation Designator                                 | AMOUNT<br>PER UNIT |
|--|--------------------|
| Elevation Band 1: Elevation Designator 0 and 1       | \$0.00             |
| Elevation Band 2: Elevation Designator 2 through 5   | \$1.25             |
| Elevation Band 3: Elevation Designator 6 and greater | \$2.67             |

# Schedule A

## Rate Schedule for Water Service

FY 2027



## SCHEDULE A – RATE SCHEDULE FOR WATER SERVICE

EFFECTIVE 07/01/2026

### A. METER READING AND BILLING SCHEDULES

Customer accounts shall generally be subject to bimonthly meter readings and bimonthly billing schedules (bimonthly meaning once every two months) but may be subject to monthly meter readings and monthly billing schedules. The billing period for a customer account is the time between meter readings.

### B. WATER SERVICE CHARGE

Bills for all metered services shall include a WATER SERVICE CHARGE based on the size of the meter:

| METER SIZE       | SERVICE CHARGE AMOUNT (MONTHLY BILLING) | SERVICE CHARGE AMOUNT (BI-MONTHLY BILLING) |
|------------------|---|--|
| 5/8 and 3/4 inch | \$28.60                                 | \$57.20                                    |
| 1 inch           | 43.60                                   | 87.20                                      |
| 1-1/2 inch       | 81.09                                   | 162.18                                     |
| 2 inch           | 126.06                                  | 252.12                                     |
| 3 inch           | 268.53                                  | 537.06                                     |
| 4 inch           | 455.96                                  | 911.92                                     |
| 6 inch           | 1,018.27                                | 2,036.54                                   |
| 8 inch           | 1,205.70                                | 2,411.40                                   |
| 10 inch          | 1,730.52                                | 3,461.04                                   |
| 12 inch          | 2,405.29                                | 4,810.58                                   |
| 14 inch          | 3,080.05                                | 6,160.10                                   |
| 16 inch          | 3,904.78                                | 7,809.56                                   |
| 18 inch          | 4,729.49                                | 9,458.98                                   |

The service charge for a special type of meter or for a battery of meters installed on one service in lieu of one meter will be based on the size of a single standard meter of equivalent capacity as determined by the District.

Effective July 1, 1997, when a meter larger than 4 inches is required for a single-family residential customer to maintain adequate water pressure, the maximum service charge amount shall be set at the 4-inch meter level.



## SCHEDULE A – RATE SCHEDULE FOR WATER SERVICE

EFFECTIVE 07/01/2026

### C. WATER FLOW CHARGE

Bills for all metered services shall include a WATER FLOW CHARGE based on meter readings measuring the units of water delivered during the billing period (1 unit = 748 gallons = 100 cubic feet = 1 centum cubic foot (CCF)):

| <u>Potable Water Service</u>  | VOLUMETRIC<br>RATE PER UNIT |
|---|-----------------------------|
| Single-Family Residential Accounts:                                       |                             |
| For the first 7 units/month   | \$8.40                      |
| For all water used in excess of 7<br>units/month*, up to 16 units/month** | 9.74                        |
| For all water used in excess of 16<br>units/month**                       | 11.49                       |
| Multi-Family Residential Accounts:  |                             |
| For all water used  | 8.85                        |
| All Other Water Use:  |                             |
| For all water used  | 9.07                        |

\*\* Billed as 7 units/month for services billed monthly and 14 units/bimonthly for services billed bi-monthly. Equates to approximately 172 gallons per day.

\*\* Billed as 16 units/month for services billed monthly and 32 units/bimonthly for services billed bi-monthly. Equates to approximately 393 gallons per day.

All individually metered multi-family dwelling units or individually metered mobile home residential units that receive District service shall be billed at the single-family residential rate.

Bills for all metered services nonpotable/recycled water shall include a WATER FLOW CHARGE based meter readings measuring the units of water delivered during the billing period (1 unit = 748 gallons = 100 cubic feet = 1 centum cubic foot (CCF)):

| <u>Nonpotable/Recycled Water Service</u> | VOLUMETRIC<br>PER UNIT |
|--|------------------------|
| For all water used                       | \$6.78                 |





## SCHEDULE A – RATE SCHEDULE FOR WATER SERVICE

EFFECTIVE 07/01/2026

### D. PRIVATE FIRE SERVICE CHARGE

Bills for Private Fire Services shall include a PRIVATE FIRE SERVICE CHARGE based on the size of the private fire service:

| METER SIZE       | SERVICE<br>CHARGE<br>AMOUNT<br>(MONTHLY<br>BILLING) | SERVICE<br>CHARGE<br>AMOUNT<br>(BI-MONTHLY<br>BILLING) |
|------------------|---|--|
| 5/8 and 3/4 inch | \$9.07  | \$18.14  |
| 1 inch           | 15.12   | 30.24  |
| 1-1/2 inch       | 30.25   | 60.50  |
| 2 inch           | 48.39   | 96.78  |
| 3 inch           | 105.87  | 211.74   |
| 4 inch           | 181.50  | 363.00   |
| 6 inch           | 408.35  | 816.70   |
| 8 inch           | 483.98  | 967.96   |
| 10 inch          | 695.72  | 1,391.44   |
| 12 inch          | 967.96  | 1,935.92   |
| 14 inch          | 1,240.19  | 2,480.38   |
| 16 inch          | 1,572.93  | 3,145.86   |
| 18 inch          | 1,905.67  | 3,811.34   |

There shall be no charge for water through such services extinguishing accidental fires, but any water lost through leakage or used in violation of the District's Regulations shall be paid at the rate for general use and may be subject to a penalty as may be established by the District.

### E. ELEVATION SURCHARGE

Bills for all metered services in Elevation Band 2 and Elevation Band 3 shall include an ELEVATION SURCHARGE. The elevation surcharge is determined by the elevation band in which the service connection is located.

| Elevation Designator                                 | AMOUNT<br>PER UNIT |
|--|--------------------|
| Elevation Band 1: Elevation Designator 0 and 1       | \$0.00             |
| Elevation Band 2: Elevation Designator 2 through 5   | \$1.33             |
| Elevation Band 3: Elevation Designator 6 and greater | \$2.84             |

# Schedule L

## Drought Surcharge Rate Schedule For Water Service

FY 2026



## SCHEDULE L – DROUGHT SURCHARGE RATE SCHEDULE FOR WATER SERVICE

EFFECTIVE 07/01/2025

The rates for the Water Flow Charge shown in Schedule A may be increased up to the following maximum percentages during the specified declared drought stage.

**A TEMPORARY SURCHARGE FOR POTABLE WATER DELIVERED based on one month or two months of meter readings for all water delivered as a percentage of the total Water Flow Charge on customer bills:**

| DROUGHT SURCHARGES ON TOTAL<br>WATER FLOW CHARGE FOR WATER DELIVERED |  |         |         |         |
|--|--|---------|---------|---------|
|  | Maximum Applicable<br>Drought Surcharge Percentage <sup>1</sup><br>in 4 Stages |         |         |         |
|  | Stage 1  | Stage 2 | Stage 3 | Stage 4 |
| All potable water flow charges                                       | 5%   | 10%     | 20%     | 30%     |

**A TEMPORARY SURCHARGE FOR POTABLE WATER DELIVERED as a dollar per unit of water use of the total Water Flow Charge (1 unit = 748 gallons = 100 cubic feet = 1 centum cubic foot (CCF)):**

| DROUGHT SURCHARGES ON TOTAL<br>WATER FLOW CHARGE FOR WATER DELIVERED |  |         |         |         |
|--|--|---------|---------|---------|
|  | Maximum Applicable<br>Drought Surcharge Dollar Per Unit<br>in 4 Stages |         |         |         |
|  | Stage 1  | Stage 2 | Stage 3 | Stage 4 |
| Single-Family Residential Accounts:                                  |  |         |         |         |
| Tier 1: up to 7 units  | \$0.39   | \$0.79  | \$1.58  | \$2.37  |
| Tier 2: over 7, up to 16 units                                       | 0.46   | 0.92    | 1.83    | 2.75    |
| Tier 3: over 16 units  | 0.54   | 1.08    | 2.16    | 3.24    |
| Multi-Family Residential Accounts:                                   | 0.42   | 0.83    | 1.66    | 2.49    |
| All Other Water Use:   | 0.43   | 0.85    | 1.70    | 2.56    |

<sup>1</sup> Drought surcharge will be applied to the applicable rate of the customer's potable Water Flow Charge from Schedule A – Rate Schedule for Water Service. Prior to implementing the drought surcharges, the District will update drought-related costs and develop surcharges based on the updated cost of service. Any surcharges that are imposed will be consistent with the District's staged system of drought surcharges and will not exceed the drought surcharge maximums listed in this Schedule.

# Schedule L

## Drought Surcharge Rate Schedule For Water Service

FY 2027



## SCHEDULE L – DROUGHT SURCHARGE RATE SCHEDULE FOR WATER SERVICE

EFFECTIVE 07/01/2026

The rates for the Water Flow Charge shown in Schedule A may be increased up to the following maximum percentages during the specified declared drought stage.

**A TEMPORARY SURCHARGE FOR POTABLE WATER DELIVERED based on one month or two months of meter readings for all water delivered as a percentage of the total Water Flow Charge on customer bills:**

| DROUGHT SURCHARGES ON TOTAL<br>WATER FLOW CHARGE FOR WATER DELIVERED |  |         |         |         |
|--|--|---------|---------|---------|
|  | Maximum Applicable<br>Drought Surcharge Percentage <sup>1</sup><br>in 4 Stages |         |         |         |
|  | Stage 1  | Stage 2 | Stage 3 | Stage 4 |
| All potable water flow charges                                       | 5%   | 10%     | 20%     | 30%     |

**A TEMPORARY SURCHARGE FOR POTABLE WATER DELIVERED as a dollar per unit of water use of the total Water Flow Charge (1 unit = 748 gallons = 100 cubic feet = 1 centum cubic foot (CCF)):**

| DROUGHT SURCHARGES ON TOTAL<br>WATER FLOW CHARGE FOR WATER DELIVERED |  |         |         |         |
|--|--|---------|---------|---------|
|  | Maximum Applicable<br>Drought Surcharge Dollar Per Unit<br>in 4 Stages |         |         |         |
|  | Stage 1  | Stage 2 | Stage 3 | Stage 4 |
| Single-Family Residential Accounts:                                  |  |         |         |         |
| Tier 1: up to 7 units  | \$0.42   | \$0.84  | \$1.68  | \$2.52  |
| Tier 2: over 7, up to 16 units                                       | 0.49   | 0.97    | 1.95    | 2.92    |
| Tier 3: over 16 units  | 0.57   | 1.15    | 2.30    | 3.45    |
| Multi-Family Residential Accounts:                                   | 0.44   | 0.89    | 1.77    | 2.66    |
| All Other Water Use:   | 0.45   | 0.91    | 1.81    | 2.72    |

<sup>1</sup> Drought surcharge will be applied to the applicable rate of the customer's potable Water Flow Charge from Schedule A – Rate Schedule for Water Service. Prior to implementing the drought surcharges, the District will update drought-related costs and develop surcharges based on the updated cost of service. Any surcharges that are imposed will be consistent with the District's staged system of drought surcharges and will not exceed the drought surcharge maximums listed in this Schedule.

# **EXHIBIT B**

Wastewater Department

Schedule A

Rates for Treatment Service

FY 2026



## SCHEDULE A – WASTEWATER DEPARTMENT RATES FOR TREATMENT SERVICE

EFFECTIVE 07/01/2025

|   | Current |
|---|---------|
| <b>I. Unit Treatment Rates (for permit accounts)</b>  |         |
| Flow (\$ per unit, 1 unit = 748 gallons = 100 cubic feet = 1 centum cubic foot (CCF))   | \$1.82  |
| Chemical Oxygen Demand (\$ per pound of discharge)  | 0.19    |
| Total Suspended Solids (\$ per pound of discharge)  | 0.78    |
| Unit treatment rates for Flow, Chemical Oxygen Demand (COD), Total Suspended Solids (TSS) and a Service Charge are applied to all users unless otherwise indicated. |         |
| <b>II. Residential Monthly Charges</b><br>(6514 Multi-Family under 5 dwelling units & 8800 Single-Family)   |         |
| A. Service Charge (per account)   | 10.08   |
| B. Strength Charge (per dwelling unit)  | 10.49   |
| Minimum monthly charge per household  | 20.57   |
| C. Plus: A flow charge of \$1.82 per unit applied to a maximum of 9 units (per dwelling unit)   |         |
| Minimum monthly charge at 0 units   | 0.00    |
| Maximum monthly charge at 9 units   | 16.38   |
| D. Total Residential Charge (A+B+C above) <sup>1</sup>  |         |
| Minimum monthly charge (for 8800)   | 20.57   |
| Maximum monthly charge (for 8800)   | 36.95   |
| Average monthly charge (for 8800)   | 29.67   |
| <sup>1</sup> Does not include SF Bay Residential Pollution Prevention Fee   |         |
| <b>III. Non-Residential Charges</b>   |         |
| A. Monthly service charge (per account)   | 10.08   |
| B. Treatment charge including flow processing (per unit of sewage discharge)  |         |
| 2010 Meat Products  | 12.74   |
| 2011 Slaughterhouses  | 12.20   |
| 2020 Dairy Product Processing   | 9.99    |
| 2030 Fruit and Vegetable Canning  | 8.04    |
| 2040 Grain Mills  | \$8.01  |





## SCHEDULE A – WASTEWATER DEPARTMENT RATES FOR TREATMENT SERVICE

EFFECTIVE 07/01/2025

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|   | Current |
|---|---------|
| 2050 Bakeries (including Pastries)  | 13.84   |
| 2060 Sugar Processing   | 7.91    |
| 2077 Rendering Tallow   | 24.03   |
| 2080 Beverage Manufacturing & Bottling  | 6.01    |
| 2090 Specialty Foods Manufacturing  | 25.84   |
| 2600 Pulp and Paper Products  | 6.87    |
| 2810 Inorganic Chemicals Mfgr.  | 8.84    |
| 2820 Synthetic Material Manufacturing   | 2.07    |
| 2830 Drug Manufacturing   | 4.46    |
| 2840 Cleaning and Sanitation Products   | 9.02    |
| 2850 Paint Manufacturing  | 17.39   |
| 2893 Ink and Pigment Manufacturing  | 6.29    |
| 3110 Leather Tanning and Finishing  | 24.02   |
| 3200 Earthenware Manufacturing  | 4.88    |
| 3300 Primary Metals Manufacturing   | 3.86    |
| 3400 Metal Products Fabricating   | 2.26    |
| 3410 Drum and Barrel Manufacturing  | 24.46   |
| 3470 Metal Coating  | 2.45    |
| 4500 Air Transportation   | 3.22    |
| 4951 Groundwater Remediation  | 1.89    |
| 5812 Food Service Establishments  | 8.37    |
| 6513 Apartment Buildings (5 or more dwelling units)   | 4.07    |
| 7000 Hotels, Motels with Food Service   | 6.02    |
| 7210 Commercial Laundries   | 5.41    |
| 7215 Coin Operated Laundromats  | 4.06    |
| 7218 Industrial Laundries   | 15.37   |
| 7300 Laboratories   | 2.91    |
| 7542 Automobile Washing and Polishing   | 3.85    |
| 8060 Hospitals  | 3.70    |
| 8200 Schools  | 2.72    |
| All Other Business Classification Code<br>(includes dischargers of only segregated<br>domestic wastes from sanitary conveniences) | 4.07    |



## SCHEDULE A – WASTEWATER DEPARTMENT RATES FOR TREATMENT SERVICE

EFFECTIVE 07/01/2025

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### Multi-Use Food Service Establishments and Domestic Waste Accounts

Accounts identified by EBMUD where there are one or more food service establishments or bakeries sharing the water meter with establishments or operations with only domestic waste discharges. These accounts are assigned an MU code based on the percentage split of the discharge from the food service establishment operations or bakeries and domestic waste. The unit treatment charge for each MU Code is calculated from the food service establishment or bakeries treatment rate and the domestic waste treatment rate.

| MU Code                           |                                       | Current |
|-----------------------------------|---------------------------------------|---------|
| A                                 | 0-9% Food, 91-100% Domestic           | \$4.07  |
| B                                 | 10-19% Food, 81-90% Domestic          | 4.50    |
| C                                 | 20-29% Food, 71-80% Domestic          | 4.93    |
| D                                 | 30-39% Food, 61-70% Domestic          | 5.36    |
| E                                 | 40-49% Food, 51-60% Domestic          | 5.79    |
| F                                 | 50-59% Food, 41-50% Domestic          | 6.22    |
| G                                 | 60-69% Food, 31-40% Domestic          | 6.65    |
| H                                 | 70-79% Food, 21-30% Domestic          | 7.08    |
| I                                 | 80-89% Food, 11-20% Domestic          | 7.51    |
| J                                 | 90-99% Food, 1-10% Domestic           | 7.94    |
| K                                 | 0-9% Bakery, 91-100% Domestic         | 4.07    |
| L                                 | 10-19% Bakery, 81-90% Domestic        | 5.05    |
| M                                 | 20-29% Bakery, 71-80% Domestic        | 6.02    |
| N                                 | 30-39% Bakery, 61-70% Domestic        | 7.00    |
| O                                 | 40-49% Bakery, 51-60% Domestic        | 7.98    |
| P                                 | 50-59% Bakery, 41-50% Domestic        | 8.96    |
| Q                                 | 60-69% Bakery, 31-40% Domestic        | 9.93    |
| R                                 | 70-79% Bakery, 21-30% Domestic        | 10.91   |
| S                                 | 80-89% Bakery, 11-20% Domestic        | 11.89   |
| T                                 | 90-99% Bakery, 1-10% Domestic         | 12.86   |
| Minimum Monthly Treatment Charge: |                                       |         |
| 6513                              | Apartment Buildings (5 or more units) | 62.53   |
|                                   | All Others                            | 10.08   |



## SCHEDULE A – WASTEWATER DEPARTMENT RATES FOR TREATMENT SERVICE

EFFECTIVE 07/01/2025

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### IV. Monthly San Francisco Bay Pollution Prevention Fee

- |  |                     |
|--|---------------------|
| A. Commercial (applicable to non-residential accounts)                           | \$5.48              |
| B. Residential (applicable to residential accounts with four or fewer dwellings) | \$0.20 per dwelling |
| C. Residential (applicable to residential accounts with five or more dwellings)  | \$1.00              |

Wastewater Department

Schedule A

Rates for Treatment Service

FY 2027



## SCHEDULE A – WASTEWATER DEPARTMENT RATES FOR TREATMENT SERVICE

EFFECTIVE 07/01/2026

|   | Current |
|---|---------|
| <b>I. Unit Treatment Rates (for permit accounts)</b>  |         |
| Flow (\$ per unit, 1 unit = 748 gallons = 100 cubic feet = 1 centum cubic foot (CCF))   | \$1.97  |
| Chemical Oxygen Demand (\$ per pound of discharge)  | 0.21    |
| Total Suspended Solids (\$ per pound of discharge)  | 0.85    |
| Unit treatment rates for Flow, Chemical Oxygen Demand (COD), Total Suspended Solids (TSS) and a Service Charge are applied to all users unless otherwise indicated. |         |
| <b>II. Residential Monthly Charges</b><br>(6514 Multi-Family under 5 dwellings& 8800 Single-Family)   |         |
| A. Service Charge (per account)   | 10.94   |
| B. Strength Charge (per dwelling)   | 11.38   |
| Minimum monthly charge per household  | 22.32   |
| C. Plus: A flow charge of \$1.97 per unit applied to a maximum of 9 units (per dwelling)  |         |
| Minimum monthly charge at 0 units   | 0.00    |
| Maximum monthly charge at 9 units   | 17.73   |
| D. Total Residential Charge (A+B+C above) <sup>1</sup>  |         |
| Minimum monthly charge (for 8800)   | 22.32   |
| Maximum monthly charge (for 8800)   | 40.05   |
| Average monthly charge (for 8800)   | 32.17   |
| <sup>1</sup> Does not include SF Bay Residential Pollution Prevention Fee   |         |
| <b>III. Non-Residential Charges</b>   |         |
| A. Monthly service charge (per account)   | 10.94   |
| B. Treatment charge including flow processing (per unit)  |         |
| 2010 Meat Products  | 13.82   |
| 2011 Slaughterhouses  | 13.24   |
| 2020 Dairy Product Processing   | 10.84   |
| 2030 Fruit and Vegetable Canning  | 8.72    |
| 2040 Grain Mills  | 8.69    |
| 2050 Bakeries (including Pastries)  | \$15.02 |
| 2060 Sugar Processing   | 8.58    |



## SCHEDULE A – WASTEWATER DEPARTMENT RATES FOR TREATMENT SERVICE

EFFECTIVE 07/01/2026

---

|   | Current |
|---|---------|
| 2077 Rendering Tallow   | 26.07   |
| 2080 Beverage Manufacturing & Bottling  | 6.52    |
| 2090 Specialty Foods Manufacturing  | 28.04   |
| 2600 Pulp and Paper Products  | 7.45    |
| 2810 Inorganic Chemicals Mfgr.  | 9.59    |
| 2820 Synthetic Material Manufacturing   | 2.25    |
| 2830 Drug Manufacturing   | 4.84    |
| 2840 Cleaning and Sanitation Products   | 9.79    |
| 2850 Paint Manufacturing  | 18.87   |
| 2893 Ink and Pigment Manufacturing  | 6.82    |
| 3110 Leather Tanning and Finishing  | 26.06   |
| 3200 Earthenware Manufacturing  | 5.29    |
| 3300 Primary Metals Manufacturing   | 4.19    |
| 3400 Metal Products Fabricating   | 2.45    |
| 3410 Drum and Barrel Manufacturing  | 26.54   |
| 3470 Metal Coating  | 2.66    |
| 4500 Air Transportation   | 3.49    |
| 4951 Groundwater Remediation  | 2.05    |
| 5812 Food Service Establishments  | 9.08    |
| 6513 Apartment Buildings (5 or more dwellings)  | 4.42    |
| 7000 Hotels, Motels with Food Service   | 6.53    |
| 7210 Commercial Laundries   | 5.87    |
| 7215 Coin Operated Laundromats  | 4.41    |
| 7218 Industrial Laundries   | 16.68   |
| 7300 Laboratories   | 3.16    |
| 7542 Automobile Washing and Polishing   | 4.18    |
| 8060 Hospitals  | 4.01    |
| 8200 Schools  | 2.95    |
| All Other Business Classification Code<br>(includes dischargers of only segregated<br>domestic wastes from sanitary conveniences) | 4.42    |



## SCHEDULE A – WASTEWATER DEPARTMENT RATES FOR TREATMENT SERVICE

EFFECTIVE 07/01/2026

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### Multi-Use Food Service Establishments and Domestic Waste Accounts

Accounts identified by EBMUD where there are one or more food service establishments or bakeries sharing the water meter with establishments or operations with only domestic waste discharges. These accounts are assigned an MU code based on the percentage split of the discharge from the food service establishment operations or bakeries and domestic waste. The unit treatment charge for each MU Code is calculated from the food service establishment or bakeries treatment rate and the domestic waste treatment rate.

| MU Code                           |                                       | Current |
|-----------------------------------|---------------------------------------|---------|
| A                                 | 0-9% Food, 91-100% Domestic           | \$4.42  |
| B                                 | 10-19% Food, 81-90% Domestic          | 4.89    |
| C                                 | 20-29% Food, 71-80% Domestic          | 5.35    |
| D                                 | 30-39% Food, 61-70% Domestic          | 5.82    |
| E                                 | 40-49% Food, 51-60% Domestic          | 6.29    |
| F                                 | 50-59% Food, 41-50% Domestic          | 6.75    |
| G                                 | 60-69% Food, 31-40% Domestic          | 7.22    |
| H                                 | 70-79% Food, 21-30% Domestic          | 7.68    |
| I                                 | 80-89% Food, 11-20% Domestic          | 8.15    |
| J                                 | 90-99% Food, 1-10% Domestic           | 8.62    |
| K                                 | 0-9% Bakery, 91-100% Domestic         | 4.42    |
| L                                 | 10-19% Bakery, 81-90% Domestic        | 5.48    |
| M                                 | 20-29% Bakery, 71-80% Domestic        | 6.54    |
| N                                 | 30-39% Bakery, 61-70% Domestic        | 7.60    |
| O                                 | 40-49% Bakery, 51-60% Domestic        | 8.66    |
| P                                 | 50-59% Bakery, 41-50% Domestic        | 9.73    |
| Q                                 | 60-69% Bakery, 31-40% Domestic        | 10.78   |
| R                                 | 70-79% Bakery, 21-30% Domestic        | 11.84   |
| S                                 | 80-89% Bakery, 11-20% Domestic        | 12.90   |
| T                                 | 90-99% Bakery, 1-10% Domestic         | 13.96   |
| Minimum Monthly Treatment Charge: |                                       |         |
| 6513                              | Apartment Buildings (5 or more units) | 67.84   |
|                                   | All Others                            | 10.94   |



## SCHEDULE A – WASTEWATER DEPARTMENT RATES FOR TREATMENT SERVICE

EFFECTIVE 07/01/2026

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### IV. Monthly San Francisco Bay Pollution Prevention Fee

- |  |                     |
|--|---------------------|
| A. Commercial (applicable to non-residential accounts)                           | \$5.48              |
| B. Residential (applicable to residential accounts with four or fewer dwellings) | \$0.20 per dwelling |
| C. Residential (applicable to residential accounts with five or more dwellings)  | \$1.00              |



Wastewater Department

Schedule B

Wet Weather Facilities Charge

FY 2026



## SCHEDULE B – WASTEWATER DEPARTMENT WET WEATHER FACILITIES CHARGE

EFFECTIVE 07/01/2025

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Annual Charge Collected on Property Tax Bill<sup>1</sup>

| TYPE                                | RATE     |
|-------------------------------------|----------|
| Small Lot (0 - 5,000 sq. ft.)       | \$159.90 |
| Medium Lot (5,001 – 10,000 sq. ft.) | \$249.72 |
| Large Lot (> 10,000 sq. ft.)        | \$570.70 |

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<sup>1</sup> The WWFC for entities that are exempt from property taxes (e.g., public agencies) is collected through the District's billing process.

Wastewater Department

Schedule B

Wet Weather Facilities Charge

FY 2027



## SCHEDULE B – WASTEWATER DEPARTMENT WET WEATHER FACILITIES CHARGE

EFFECTIVE 07/01/2026

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Annual Charge Collected on Property Tax Bill<sup>1</sup>

| TYPE                                | RATE     |
|-------------------------------------|----------|
| Small Lot (0 - 5,000 sq. ft.)       | \$173.48 |
| Medium Lot (5,001 – 10,000 sq. ft.) | \$270.94 |
| Large Lot (> 10,000 sq. ft.)        | \$619.20 |

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<sup>1</sup> The WWFC for entities that are exempt from property taxes (e.g., public agencies) is collected through the District's billing process.

# **EXHIBIT C**

# Water Cost of Service Rate Study Report

## East Bay Municipal Utility District

Prepared for:  
East Bay Municipal Utility District

March 31, 2025

Prepared by:  
Stantec Consulting Services, Inc.



## **Water Cost of Service Rate Study Report**

The conclusions in the Report titled Water Cost of Service Rate Study Report are Stantec's professional opinion, as of the time of the Report, and concerning the scope described in the Report. The opinions in the document are based on conditions and information existing at the time the scope of work was conducted and do not take into account any subsequent changes. The Report relates solely to the specific project for which Stantec was retained and the stated purpose for which the Report was prepared. The Report is not to be used or relied on for any other project or purpose, and any unauthorized use or reliance is at the recipient's own risk.

Stantec has assumed all information received from East Bay Municipal District (the "Client") and third parties in the preparation of the Report to be correct. While Stantec has exercised a customary level of judgment or due diligence in the use of such information, Stantec assumes no responsibility for the consequences of any error or omission contained therein.

This Report is intended solely for use by the Client in accordance with Stantec's contract with the Client. While the Report may be provided by the Client to applicable authorities having jurisdiction and to other third parties in connection with the project, Stantec disclaims any legal duty based upon warranty, reliance or any other theory to any third party, and will not be liable to such third party for any damages or losses of any kind that may result.



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# Water Cost of Service Rate Study Report

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## **Executive Summary**

East Bay Municipal Utility District (District) engaged Stantec Consulting Services, Inc. to conduct a water cost of service rate study (Study) to develop a water rate structure for calculating proposed water rates and charges beginning with Fiscal Year (FY) 2026 and 2027. The rate structure has been developed to proportionally recover costs from customers in accordance with the requirements outlined in California Constitution Article XIII D (Proposition 218).

The Study consists of three main phases:

1. **Revenue Requirement Determination:** This step evaluates the operating expenses, cash-funded capital project spending, and debt-service payments associated with maintaining and operating the water utility for the selected Test Year, FY 2024. Total revenue requirements amount to \$814.9 million, including operating expenses, debt service obligations, and cash-funded capital project spending. Non-rate revenues in the Test Year total \$153.6 million and are considered in the analysis as revenue offsets, yielding a rate revenue requirement of approximately \$661.2 million to be recovered from water rates (rate revenue requirement).
2. **Cost of Service Analysis:** This step systematically allocates the rate revenue requirements into “system functions” reflective of the District’s day-to-day operations, physical assets/existing infrastructure, and plans for near-term future capital investment. These system functions include raw water supply, water treatment plants, distribution pipelines, pumping facilities, conservation, recycled water, supplemental water supply facilities, service laterals and meters, hydrants, meter reading and billing, general administrative, and technical support. Subsequently, each system function cost is apportioned to “service components” such as base water service, treatment capacity for peak demands, elevation-based pumping, recycled water, supplemental water supply, public and private fire protection, meter reading and billing, and general administrative costs. This approach is necessary to allocate costs to customers and rate components for proportional cost recovery from each billed parcel.
3. **Rate Development:** The final step involves calculating unit costs for each service component by dividing total allocated costs by appropriate service units (e.g., water usage, meter equivalents, and customers). These calculated unit costs are then combined into the District’s volumetric rates billed per hundred cubic feet (CCF) for potable and recycled water, monthly service charges based on meter size, monthly private fire service charges based on meter size, and elevation surcharges applicable to customers in higher elevation zones.



**Water Cost of Service Rate Study Report**  
Executive Summary

The Study ultimately produces the following rate structure for the Test Year:

**Volumetric Rates**

| <b>Customer Class/Tier</b> | <b>Unit Cost for Base (\$/CCF)</b> | <b>Unit Cost for Treatment Peaking (\$/CCF)</b> | <b>Unit Cost for Supplemental Supply Facilities (\$/CCF)</b> | <b>Total Volumetric Rate (\$/CCF)</b> |
|----------------------------|------------------------------------|---|--|---------------------------------------|
| SFR - Tier 1               | \$6.67                             | \$0.16  | \$0.00   | <b>\$6.83</b>                         |
| SFR - Tier 2               | \$6.67                             | \$0.53  | \$0.73   | <b>\$7.92</b>                         |
| SFR - Tier 3               | \$6.67                             | \$1.12  | \$1.56   | <b>\$9.34</b>                         |
| MFR                        | \$6.67                             | \$0.14  | \$0.38   | <b>\$7.19</b>                         |
| All Other                  | \$6.67                             | \$0.32  | \$0.38   | <b>\$7.37</b>                         |

**Monthly Service Charge**

| <b>Meter Size</b> | <b>Meter Capacity Ratio</b> | <b>Charges Billed as \$/MEU</b> | <b>Charges Billed as \$/account</b> | <b>Proposed Service Charges (\$/Month)</b> |
|-------------------|-----------------------------|---------------------------------|-------------------------------------|--|
| 5/8 inch          | 1.00                        | \$18.28                         | \$4.97                              | <b>\$23.24</b>                             |
| 3/4 inch          | 1.00                        | \$18.28                         | \$4.97                              | <b>\$23.24</b>                             |
| 1 inch            | 1.67                        | \$30.46                         | \$4.97                              | <b>\$35.43</b>                             |
| 1-1/2 inch        | 3.33                        | \$60.92                         | \$4.97                              | <b>\$65.89</b>                             |
| 2 inch            | 5.33                        | \$97.48                         | \$4.97                              | <b>\$102.44</b>                            |
| 3 inch            | 11.67                       | \$213.23                        | \$4.97                              | <b>\$218.20</b>                            |
| 4 inch            | 20.00                       | \$365.54                        | \$4.97                              | <b>\$370.51</b>                            |
| 6 inch            | 45.00                       | \$822.47                        | \$4.97                              | <b>\$827.43</b>                            |
| 8 inch            | 53.33                       | \$974.77                        | \$4.97                              | <b>\$979.74</b>                            |
| 10 inch           | 76.67                       | \$1,401.24                      | \$4.97                              | <b>\$1,406.20</b>                          |
| 12 inch           | 106.67                      | \$1,949.55                      | \$4.97                              | <b>\$1,954.51</b>                          |
| 14 inch           | 136.67                      | \$2,497.86                      | \$4.97                              | <b>\$2,502.82</b>                          |
| 16 inch           | 173.33                      | \$3,168.02                      | \$4.97                              | <b>\$3,172.98</b>                          |
| 18 inch           | 210.00                      | \$3,838.17                      | \$4.97                              | <b>\$3,843.14</b>                          |



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**Monthly Private Fire Service Charge**

| <b>Fire Service Size</b> | <b>Meter Capacity Ratio</b> | <b>Proposed Private Fire Service Charges (\$/Month)</b> |
|--------------------------|-----------------------------|---|
| 5/8 inch                 | 1.00                        | \$7.37  |
| 3/4 inch                 | 1.00                        | \$7.37  |
| 1 inch                   | 1.67                        | \$12.29   |
| 1-1/2 inch               | 3.33                        | \$24.58   |
| 2 inch                   | 5.33                        | \$39.33   |
| 3 inch                   | 11.67                       | \$86.03   |
| 4 inch                   | 20.00                       | \$147.48  |
| 6 inch                   | 45.00                       | \$331.83  |
| 8 inch                   | 53.33                       | \$393.28  |
| 10 inch                  | 76.67                       | \$565.33  |
| 12 inch                  | 106.67                      | \$786.55  |
| 14 inch                  | 136.67                      | \$1,007.77  |
| 16 inch                  | 173.33                      | \$1,278.15  |
| 18 inch                  | 210.00                      | \$1,548.53  |

**Elevation Surcharges**

| <b>Elevation Band</b> | <b>Elevation Surcharge Rate (\$/CCF)</b> |
|-----------------------|--|
| 1                     | \$0.00                                   |
| 2                     | \$1.08                                   |
| 3                     | \$2.32                                   |

**Recycled Water Volumetric Rate**

|                       | <b>Recycled Water Volumetric Rate (\$/CCF)</b> |
|-----------------------|--|
| Retail Recycled Water | \$5.51   |



## **Water Cost of Service Rate Study Report**

### **Executive Summary**

Additionally, the Study updates the District's drought surcharges to be implemented as a percent increase on the potable water volumetric rates during each of the four stages of drought. Drought surcharges have been calculated based on estimates of the costs for procuring supplemental water supplies, treating those additional water supplies, moving the supplemental water supply through the District's Freeport Regional Water Project, drought-related conservation program and outreach costs, revenue loss due to conservation, and the use of reserves to mitigate a portion of the financial impacts of droughts. These surcharges serve as maximum percent increases. Actual drought surcharges will be determined after the District's Board of Directors declares a drought, based on the drought stage, the District's budget, and necessary financial considerations.

#### **Drought Surcharges:**

|                    | <b>Stage 1</b> | <b>Stage 2</b> | <b>Stage 3</b> | <b>Stage 4</b> |
|--------------------|----------------|----------------|----------------|----------------|
| Drought Surcharges | <b>5%</b>      | <b>10%</b>     | <b>20%</b>     | <b>30%</b>     |



## Glossary

|   |   |
|---|---|
| Acre feet (AF)                                | 43,560 cubic feet. Unit of volume often used in discussions of water supply.  |
| All Other customer class                      | Water system customer class for customers who are not in the Single Family Residential, Multi-Family Residential, or Recycled Water customer classes.                   |
| Asset register                                | Water system asset register which includes asset values for all infrastructure and other major assets owned by the District's Water System.                             |
| Cash-funded capital project spending          | Expenditures for capital assets paid for with rate revenues.  |
| COS   | Cost of Service   |
| Debt service                                  | The principal and interest payments on debt issued.   |
| Drought surcharge                             | Charge that may be added to the potable water volumetric rate when a drought has been declared, expressed as a percent increase on the volumetric rate.                 |
| EBMUD   | East Bay Municipal Water District   |
| Elevation surcharge                           | Charge assessed for each unit (CCF) of water delivered to recover the cost to pump water to higher elevations.  |
| Centum cubic feet (CCF)                       | Volume of water equal to 100 cubic feet or 748 gallons  |
| Service charge                                | Monthly charge that varies based on the size and corresponding capacity of a water meter.   |
| Meter equivalents units (MEU)                 | A ratio of hydraulic capacity of various sizes of water meters based on their flow capacity.  |
| Million gallons per day (MGD)                 | Equal to 1 million gallons over the period of one day.  |
| Multi-family residential (MFR) customer class | Customer class for multi-dwelling residential buildings where multiple residential units are served by single meter.  |
| Operating expenses                            | Expenditures for daily operations and maintenance of the water system, including costs for administration and support functions.  |
| Peak demand                                   | Demand that exceeds average treatment system production.  |
| Private fire service charge                   | Monthly charge for water meters that supply water exclusively to private fire protection systems.   |
| Rate revenue requirement                      | The portion of annual rate revenue needed to satisfy annual operating expenses, debt service payments and capital-related expenditures.                                 |
| Service components                            | Categories into which system function costs are allocated for the purpose of calculating the unit costs that are used to develop the rates billed to customer accounts. |
| System function                               | Categories that represent the elements of owning and operating a water utility and the associated types of infrastructure and operating costs.                          |



# 1 Introduction

Stantec Consulting Services, Inc. (Stantec) has conducted a comprehensive cost of service (COS) rate study (Study) for the water utility of East Bay Municipal Utility District (District). This report presents the approach, source data, analytical methodologies, and findings of the Study. This Study relates only to the District's water rates (EBMUD "Schedule A – Rate Schedule for Water Service" and "Schedule L – Drought Surcharge Rate Schedule for Water Service").

The Municipal Utility District (MUD) Act states: "The rates and charges for commodities or service furnished by a district shall be fixed by the board." The District's Board of Directors (Board) plans to consider the adoption of rates using this Study on June 10, 2025. It is anticipated those rates would comprise fiscal year (FY) 2026 rates, effective July 1, 2025, and FY 2027 rates, effective July 1, 2026. The District's fiscal year runs from July 1 to June 30. The Board, in general, considers adoption of rates in conjunction with its two-year budget at the end of every odd fiscal year. The Board may consider future rate adoptions using this Study.

This Study, its appendices, and its attachments serve as the basis for and support the FY 2026 and FY 2027 rates. The District's memo dated March 20, 2025, *Fiscal Years 2026 and 2027 Recommended Revisions to the Water and Wastewater Schedules of Rates and Charges Subject to Proposition 218* (Attachment 1) contains the recommendations for the FY 2026 and FY 2027 rates based on the parameters of the District's FY 2026/2027 budget. The District anticipates that rates for fiscal years beyond FY 2027 may be developed in the same manner.

## 1.1 California Constitution, Article XIII D

In November 1996, California voters approved Proposition 218, which amended the California Constitution by adding Article XIII C and Article XIII D. Section 6 of Article XIII D relates to "Property Related Fees and Charges" and reads as follows:

*Property Related Fees and Charges. (a) Procedures for New or Increased Fees and Charges. An agency shall follow the procedures pursuant to this section in imposing or increasing any fee or charge as defined pursuant to this article, including, but not limited to, the following:*

*(1) The parcels upon which a fee or charge is proposed for imposition shall be identified. The amount of the fee or charge proposed to be imposed upon each parcel shall be calculated. The agency shall provide written notice by mail of the proposed fee or charge to the record owner of each identified parcel upon which the fee or charge is proposed for imposition, the amount of the fee or charge proposed to be imposed upon each, the basis upon which the amount of the proposed fee or charge was calculated, the reason for the fee or charge, together with the date, time, and location of a public hearing on the proposed fee or charge.*



## Water Cost of Service Rate Study Report

### 1 Introduction

*(2) The agency shall conduct a public hearing upon the proposed fee or charge not less than 45 days after mailing the notice of the proposed fee or charge to the record owners of each identified parcel upon which the fee or charge is proposed for imposition. At the public hearing, the agency shall consider all protests against the proposed fee or charge. If written protests against the proposed fee or charge are presented by a majority of owners of the identified parcels, the agency shall not impose the fee or charge.*

*(b) Requirements for Existing, New or Increased Fees and Charges. A fee or charge shall not be extended, imposed, or increased by any agency unless it meets all of the following requirements:*

*(1) Revenues derived from the fee or charge shall not exceed the funds required to provide the property related service.*

*(2) Revenues derived from the fee or charge shall not be used for any purpose other than that for which the fee or charge was imposed.*

*(3) The amount of a fee or charge imposed upon any parcel or person as an incident of property ownership shall not exceed the proportional cost of the service attributable to the parcel.*

*(4) No fee or charge may be imposed for a service unless that service is actually used by, or immediately available to, the owner of the property in question. Fees or charges based on potential or future use of a service are not permitted. Standby charges, whether characterized as charges or assessments, shall be classified as assessments and shall not be imposed without compliance with Section 4.*

*(5) No fee or charge may be imposed for general governmental services including, but not limited to, police, fire, ambulance or library services, where the service is available to the public at large in substantially the same manner as it is to property owners. Reliance by an agency on any parcel map, including, but not limited to, an assessor's parcel map, may be considered a significant factor in determining whether a fee or charge is imposed as an incident of property ownership for purposes of this article. In any legal action contesting the validity of a fee or charge, the burden shall be on the agency to demonstrate compliance with this article.*

*(c) Voter Approval for New or Increased Fees and Charges. Except for fees or charges for sewer, water, and refuse collection services, no property related fee or charge shall be imposed or increased unless and until that fee or charge is submitted and approved by a majority vote of the property owners of the property subject to the fee or charge or, at the option of the agency, by a two-thirds vote of the electorate residing in the affected area. The election shall be conducted not less than 45 days after the public hearing. An agency may adopt procedures similar to those for increases in assessments in the conduct of elections under this subdivision.*

*(d) Beginning July 1, 1997, all fees or charges shall comply with this section.*





This Study has been prepared to comply with the requirements of Article XIII D, Section 6(b).

## 1.2 Water Rate Study Process

The purpose of a COS rate study for a water utility is to develop a rate structure under which the charges billed to each customer account reflect the cost to serve each parcel and thereby collect the revenue needed by the utility to provide the service.

This Study consists of the following three steps:

**Revenue Requirement Determination** – Determination of the annual rate revenue needed to satisfy annual operating expenses, debt service payments, and capital project spending.

**Cost-of-Service Analysis** – Translation of the revenue requirement to service components. Service components are the building blocks for the rates billed to customer accounts.

**Rate Development** – Distribution of the costs in each service component to the rates billed to customer accounts.

The Study reflects the analysis of conditions during a test year. FY 2024 has been selected as the representative test year (Test Year) because it provides a representative set of key factors including operating expenses, capital project spending, non-rate revenues, and consumption patterns. FY 2024 is also the most recent complete fiscal year with audited actual financial information. The Test Year was free from events such as drought, excessive rainfall, pandemic, and other anomalous external factors.



## 2 Revenue Requirement Determination

The first step in the rate study is to determine the revenue to be recovered from the water rates. The total revenue requirement is the sum of the Test Year costs (operating expenses plus debt service plus capital project spending). The Test Year total water system revenue requirements are:

- \$349.0 million in operating expenses.
- \$222.5 million in debt service payments.
- \$243.4 million in cash-funded capital project spending (representing capital expenses less capital financing proceeds received from bond issuance).

Together these revenue requirements represent a total revenue requirement of \$814.9 million for the Test Year. While the District meets its revenue requirement primarily via revenue from the Schedule A rates, the District also receives non-rate revenue from other sources, including but not limited to property taxes, System Capacity Charges (SCCs), and proceeds from the sale of electricity generated at District facilities. Net of the \$153.6 million in Test Year non-rate revenue, the revenue requirement to be recovered from the Schedule A water rates is \$661.2 million as shown below in Table 1. The allocation of non-rate revenue (as an offset to or deduction of the total revenue requirement) is discussed in Section 3.1.5 below.

**Table 1: Revenue Requirement**

| Revenue Requirement                    | Test Year            |
|--|----------------------|
| Operating Expense                      | \$348,966,784        |
| Debt Service                           | \$222,535,209        |
| Capital Project Spending (cash-funded) | \$243,355,000        |
| <b>Total Revenue Requirement</b>       | <b>\$814,856,993</b> |
|  |                      |
| Non-Rate Revenues                      | (\$153,613,723)      |
|  |                      |
| <b>Rate Revenue Requirement</b>        | <b>\$661,243,270</b> |

Sections 3.1.1 to 3.1.4 below discuss the allocation of the total revenue requirement (\$814.9 million) to system functions.



## 3 Cost of Service Analysis

The purpose of a COS analysis is to distribute the revenue requirements from water rates, first to system functions that help define the operations and systems of the District's water utility. These costs by system function are then allocated to service components, the building blocks for the rates billed to customer accounts. The specific elements of system functions and service components are described in detail in this section.

### 3.1 Allocation of Revenue Requirements to System Functions

The District's total revenue requirement, prior to offsets from non-rate revenues, has been allocated to system functions in order to reflect the ways the District tracks and budgets for expenditures into categories that support rate development. The system functions are described in Table 2, on the next page.

The following existing District categories for expense/financial data have been evaluated in the context of the identified system functions in Table 2:

- **Operating programs:** The District tracks operating expenses at multiple levels, the highest of which is the operating program. A system function has been assigned to each operating program.
- **Asset categories:** The District maintains an asset register of water system assets. These assets include infrastructure, such as pipelines, reservoirs, water treatment plants, etc. A system function has been assigned to each asset category.
- **Capital awards:** With its biennial budget, the District projects capital expenditures by capital awards, which are individual capital improvement projects or groupings of capital improvement projects. A system function has been assigned to each capital award.

Assignments of system functions to each operating program, asset category, and capital award are based District staff knowledge and experience, and on descriptions of the capital awards developed for the Proposed Biennial Budget for Fiscal Years 2026 and 2027. Assignments of system functions are shown in Appendix A, and the resulting cost allocations to each system function are shown in Sections 3.1.1 to 3.1.4 below.



## Water Cost of Service Rate Study Report

### 3 Cost of Service Analysis

**Table 2: System Functions**

| System Function                               | Description  |
|---|--|
| Supply/Raw Water                              | Includes operating, debt service, and capital costs associated with watershed lands owned by the District and with facilities involved in the transport or storage of raw (untreated) water. These facilities include the Pardee and Camanche Reservoirs, the Mokelumne Aqueducts, and the East Bay terminal reservoirs that store raw water.  |
| Water Treatment Plants                        | Includes operating, debt service, and capital costs associated with the District's six water treatment plants that treat raw water to meet potable standards. Exclusive of costs associated with water treatment plant chemicals, power and sludge disposal (see below).   |
| Treatment Chemicals, Power, & Sludge Disposal | Includes operating costs for chemicals and electricity used for water treatment and costs for disposal of sludge material generated as a consequence of the treatment process.   |
| Distribution Pipelines                        | Includes operating, debt service, and capital costs associated with infrastructure that delivers treated water from the water treatment plants to the service laterals. These facilities include potable water pipelines, distribution reservoirs (tanks storing treated water), and distribution system appurtenances, such as valves, pressure regulators, and control systems.                              |
| Distribution Pumping                          | Includes operating, debt service, and capital costs associated with pumping plants serving portions of the water service area at elevations that cannot be served without pumping. Includes electricity costs for these pumping plants.  |
| Conservation                                  | Includes operating, costs associated with the District's water conservation program, which includes customer outreach and communication about water conserving practices.  |
| Recycled Water                                | Includes operating, debt service, and capital costs associated with the recycled (non-potable) water treatment and distribution infrastructure. Recycled water infrastructure includes three active recycled water treatment plants and the recycled water distribution pipelines.   |
| Supplemental Supply Facilities                | Includes operating, debt service, and capital costs associated with facilities that allow the District to utilize alternative water supplies during periods of water shortages or drought. The District's primary supplemental supply facility is the Freeport Regional Water Facility. Does not include drought costs (see Section 5).  |
| Services Laterals & Meters                    | Includes operating, debt service, and capital costs associated with water meters and with the service laterals that connect the water main to the water meter.   |
| Hydrants                                      | Includes operating and debt service costs associated with fire hydrants owned by the District.   |
| Meter Reading & Account Billing               | Includes operating costs for meter reading and costs associated with billing each account.   |
| General Administration                        | Includes operating costs for District departments such human resources, finance, and other general administrative functions.   |
| Technical Support                             | Includes operating costs associated with District technical expertise supporting functions described above, such as costs for regulatory compliance, purchasing, and operation of power plants. Also includes operating, debt service, and capital costs associated with District facilities such as office buildings and other District infrastructure that cannot be assigned to the system functions above. |



### **3.1.1 Allocation of Operating Expenses to System Functions**

Operating expenses include labor and materials costs associated with daily operations and routine infrastructure maintenance and repair. Table 3 shows the Test Year operating expenses by the different system functions. The assignments of system functions to each of the District's operating programs are shown in Appendix A.

**Table 3: Allocation of Operating Expenses to System Functions**

| <b>System Function</b>                        | <b>Operating Expenses</b> |
|---|---------------------------|
| Supply/Raw Water                              | \$49,824,026              |
| Water Treatment Plants                        | \$23,202,343              |
| Treatment Chemicals, Power, & Sludge Disposal | \$14,002,591              |
| Distribution Pipelines                        | \$67,413,507              |
| Distribution Pumping                          | \$15,745,092              |
| Conservation                                  | \$4,005,879               |
| Recycled Water                                | \$8,886,934               |
| Supplemental Supply Facilities                | \$1,893,209               |
| Services Laterals & Meters                    | \$18,223,471              |
| Hydrants                                      | \$2,452,923               |
| Meter Reading & Account Billing               | \$23,111,947              |
| General Administration                        | \$56,215,990              |
| Technical Support                             | \$63,988,872              |
| <b>Total Operating Expenses</b>               | <b>\$348,966,784</b>      |



### 3.1.2 Allocation of Debt Service Costs to System Functions

To allocate debt service costs to system functions, asset categories in the District's asset register have been reviewed and individually assigned to system functions. The net book value<sup>1</sup> of the assets in each system function has been tallied, and the percentage that each system function comprises of the total net book value has been calculated. These percentages for each system function are then applied to the total annual debt service revenue requirement to generate the amount of debt service costs to be allocated to each system function. For example, supply/raw water facilities comprise 12.7% of the total net book value of District assets and, as such, 12.7% of the debt service costs are allocated to the supply/raw water system function. Table 4 shows the percentage of the asset register associated with each system function and the corresponding allocation of the debt service costs to each system function. The assignment of system functions to each asset category in the District's asset register is shown in Appendix A.

**Table 4: Allocation of Debt Service to System Functions**

| <b>System Function</b>                        | <b>System Function as %<br/>of Asset Register</b> | <b>Debt Service<br/>Cost Allocation</b> |
|---|---|---|
| Supply/Raw Water                              | 12.7%   | \$28,157,828                            |
| Water Treatment Plants                        | 9.2%  | \$20,436,685                            |
| Treatment Chemicals, Power, & Sludge Disposal | 0.0%  | \$0                                     |
| Distribution Pipelines                        | 44.8%   | \$99,717,076                            |
| Distribution Pumping                          | 5.2%  | \$11,592,638                            |
| Conservation                                  | 0.0%  | \$0                                     |
| Recycled Water                                | 1.2%  | \$2,744,570                             |
| Supplemental Supply Facilities                | 8.7%  | \$19,407,296                            |
| Services Laterals & Meters                    | 11.7%   | \$26,051,349                            |
| Hydrants                                      | 0.9%  | \$2,044,359                             |
| Meter Reading & Account Billing               | 0.0%  | \$0                                     |
| General Administration                        | 0.0%  | \$0                                     |
| Technical Support                             | 5.6%  | \$12,383,409                            |
| <b>Total Debt Service</b>                     | <b>100%</b>                                       | <b>\$222,535,209</b>                    |

<sup>1</sup> Net book value is used herein to mean the original asset cost minus accumulated depreciation.



### **3.1.3 Allocation of Capital Project Spending to System Functions**

This Study uses the next five years of capital projects (FY 2026 – FY 2030, 5-Year Capital Improvement Program)<sup>2</sup> to quantify the level of investment in the system. The value of the project awards in the Capital Improvement Program (CIP) has been tallied, and the percentage that each system function comprises of the total CIP has been calculated. These percentages for each system function are then applied to the total annual capital project spending revenue requirement to generate the amount of capital spending costs to be allocated to each system function. For example, supply/raw water facilities comprise 18.1% of the total 5-year CIP and, as such, 18.1% of the capital spending costs are allocated to the supply/raw water system function. Table 5 presents the total allocation of capital project spending to each system function. The assignments of system functions to each capital award in the District's 5-Year CIP are shown in Appendix A.

**Table 5: Allocation of Capital Project Spending to System Functions**

| <b>System Function</b>                        | <b>System Function as % of 5-Year CIP</b> | <b>Capital Project Cost Allocation</b> |
|---|---|--|
| Supply/Raw Water                              | 18.1%                                     | \$44,092,754                           |
| Water Treatment Plants                        | 21.6%                                     | \$52,551,760                           |
| Treatment Chemicals, Power, & Sludge Disposal | 0.0%                                      | \$0                                    |
| Distribution Pipelines                        | 42.2%                                     | \$102,761,974                          |
| Distribution Pumping                          | 3.4%                                      | \$8,379,622                            |
| Conservation                                  | 0.0%                                      | \$0                                    |
| Recycled Water                                | 2.6%                                      | \$6,295,643                            |
| Supplemental Supply Facilities                | 0.3%                                      | \$652,188                              |
| Services Laterals & Meters                    | 4.9%                                      | \$12,028,570                           |
| Hydrants                                      | 0.0%                                      | \$0                                    |
| Meter Reading & Account Billing               | 0.0%                                      | \$0                                    |
| General Administration                        | 0.0%                                      | \$0                                    |
| Technical Support                             | 6.8%                                      | \$16,592,488                           |
| <b>Total Capital Project Spending</b>         | <b>100%</b>                               | <b>\$243,355,000</b>                   |

<sup>2</sup> The Study uses the rate and bond funded CIP, which does not include projects funded by grants or other external funding.



### **3.1.4 Total Revenue Requirement Allocations to System Functions**

As shown in Table 6, summing the amounts of allocations developed in Sections 3.1.1 to 3.1.3 results in the total revenue requirement allocations to each system function.

**Table 6: Total Revenue Requirement Allocations to System Functions**

| <b>System Function</b>                        | <b>Operating Expenses</b> | <b>Debt Service Allocation</b> | <b>Capital Project Spending Allocation</b> | <b>Total Allocation</b> |
|---|---------------------------|--------------------------------|--|-------------------------|
| Supply/Raw Water                              | \$49,824,026              | \$28,157,828                   | \$44,092,754                               | <b>\$122,074,608</b>    |
| Water Treatment Plants                        | \$23,202,343              | \$20,436,685                   | \$52,551,760                               | <b>\$96,190,788</b>     |
| Treatment Chemicals, Power, & Sludge Disposal | \$14,002,591              | \$0                            | \$0  | <b>\$14,002,591</b>     |
| Distribution Pipelines                        | \$67,413,507              | \$99,717,076                   | \$102,761,974                              | <b>\$269,892,557</b>    |
| Distribution Pumping                          | \$15,745,092              | \$11,592,638                   | \$8,379,622                                | <b>\$35,717,352</b>     |
| Conservation                                  | \$4,005,879               | \$0                            | \$0  | <b>\$4,005,879</b>      |
| Recycled Water                                | \$8,886,934               | \$2,744,570                    | \$6,295,643                                | <b>\$17,927,147</b>     |
| Supplemental Supply Facilities                | \$1,893,209               | \$19,407,296                   | \$652,188                                  | <b>\$21,952,693</b>     |
| Services Laterals & Meters                    | \$18,223,471              | \$26,051,349                   | \$12,028,570                               | <b>\$56,303,390</b>     |
| Hydrants                                      | \$2,452,923               | \$2,044,359                    | \$0  | <b>\$4,497,282</b>      |
| Meter Reading & Account Billing               | \$23,111,947              | \$0                            | \$0  | <b>\$23,111,947</b>     |
| General Administration                        | \$56,215,990              | \$0                            | \$0  | <b>\$56,215,990</b>     |
| Technical Support                             | \$63,988,872              | \$12,383,409                   | \$16,592,488                               | <b>\$92,964,769</b>     |
| <b>Total</b>                                  | <b>\$348,966,784</b>      | <b>\$222,535,209</b>           | <b>\$243,355,000</b>                       | <b>\$814,856,993</b>    |





### **3.1.5 Non-Rate Revenues as Offsets to System Function Costs**

The District receives non-rate revenues from a variety of sources. For this Study, non-rate revenues have been considered as offsets to the system function costs based on the nature in which the revenues are generated, which results either in pro-rata offsets to all system functions or in offsets to specific system functions. Table 7 presents categories of non-rate revenue, the amount of revenue from each source, and the basis for allocation for each type of non-rate revenue.

**Table 7: Non-Rate Revenues with Allocation Basis**

| <b>Non-Rate Revenue Description</b>  | <b>Test Year Non-Rate Revenue (\$)</b> | <b>Basis for Allocation</b>   |
|--|--|---|
| Recreation Fees  | \$1,973,689                            | Supply/Raw Water system function costs  |
| Reimbursements/Payments from Contract Recycled Water Customers   | \$7,979,447                            | Recycled Water system function costs  |
| SCC (Buy-In Component)   | \$22,799,513                           | Supply/Raw Water, Treatment, Distribution Pipelines, and Distribution Pumping system function costs |
| SCC (Future Water Supply Component)  | \$3,109,025                            | Supplemental Supply system function costs   |
| Operating Reimbursements, Account Establishment Charges, Service Trip Charges, Late Payment Charges, and revenue from other administrative charges | \$17,763,087                           | General Administration system function costs  |
| Property Taxes and Other Revenue   | \$99,988,962                           | Pro rata (all system function costs)  |
| <b>Total Non-Rate Revenues</b>   | <b>\$153,611,163</b>                   |   |



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The non-rate revenue offsets to each system function are shown in Table 8.

**Table 8: Non-Rate Revenue Allocations to System Functions**

| <b>System Function</b>                        | <b>Non-Rate Revenue Allocated Pro-Rata to All System Functions</b> | <b>Non-Rate Revenue Allocated to Specific System Functions</b> | <b>Total Non-Rate Revenue Allocated</b> |
|---|--|--|---|
| Supply/Raw Water                              | \$14,979,455   | \$7,286,483  | \$22,265,938                            |
| Water Treatment Plants                        | \$11,803,319   | \$4,186,308  | \$15,989,627                            |
| Treatment Chemicals, Power, & Sludge Disposal | \$1,718,221  | \$0  | \$1,718,221                             |
| Distribution Pipelines                        | \$33,117,807   | \$11,745,961   | \$44,863,768                            |
| Distribution Pumping                          | \$4,382,782  | \$1,554,451  | \$5,937,233                             |
| Conservation                                  | \$491,551  | \$0  | \$491,551                               |
| Recycled Water                                | \$2,199,793  | \$7,979,447  | \$10,179,241                            |
| Supplemental Supply Facilities                | \$2,693,757  | \$3,109,025  | \$5,802,782                             |
| Services Laterals & Meters                    | \$6,908,841  | \$0  | \$6,908,841                             |
| Hydrants                                      | \$551,850  | \$0  | \$551,850                               |
| Meter Reading & Account Billing               | \$2,836,006  | \$0  | \$2,836,006                             |
| General Administration                        | \$6,898,117  | \$17,763,087   | \$24,661,204                            |
| Technical Support                             | \$11,407,463   | \$0  | \$11,407,463                            |
| <b>Total</b>                                  | <b>\$99,988,962</b>  | <b>\$53,624,762</b>  | <b>\$153,613,723</b>                    |



### 3.1.6 Allocation of Rate Revenue Requirement

Combining the allocation of the total revenue requirement (Table 6) and the allocation of the non-rate revenues (Table 8) yields the revenue to be recovered from rates. Table 9 presents the total revenue requirement, non-rate revenues, and the rate revenue requirement by system function.

**Table 9: Rate Revenue Requirement Allocations by System Function**

| <b>System Function</b>                        | <b>Cost Allocation to System Function</b> | <b>Non-Rate Revenue Allocated</b> | <b>System Function Cost to be Recovered from Rate Revenue</b> |
|---|---|-----------------------------------|---|
| Supply/Raw Water                              | \$122,074,608                             | (\$22,265,938)                    | \$99,808,671  |
| Water Treatment Plants                        | \$96,190,788                              | (\$15,989,627)                    | \$80,201,162  |
| Treatment Chemicals, Power, & Sludge Disposal | \$14,002,591                              | (\$1,718,221)                     | \$12,284,369  |
| Distribution Pipelines                        | \$269,892,557                             | (\$44,863,768)                    | \$225,028,789   |
| Distribution Pumping                          | \$35,717,352                              | (\$5,937,233)                     | \$29,780,119  |
| Conservation                                  | \$4,005,879                               | (\$491,551)                       | \$3,514,328   |
| Recycled Water                                | \$17,927,147                              | (\$10,179,241)                    | \$7,747,906   |
| Supplemental Supply Facilities                | \$21,952,693                              | (\$5,802,782)                     | \$16,149,912  |
| Services Laterals & Meters                    | \$56,303,390                              | (\$6,908,841)                     | \$49,394,549  |
| Hydrants                                      | \$4,497,282                               | (\$551,850)                       | \$3,945,432   |
| Meter Reading & Account Billing               | \$23,111,947                              | (\$2,836,006)                     | \$20,275,940  |
| General Administration                        | \$56,215,990                              | (\$24,661,204)                    | \$31,554,786  |
| Technical Support                             | \$92,964,769                              | (\$11,407,463)                    | \$81,557,306  |
| <b>Total</b>                                  | <b>\$814,856,993</b>                      | <b>(\$153,613,723)</b>            | <b>\$661,243,270</b>  |



## 3.2 Allocation of System Function Costs to Service Components

After the allocation of the revenue requirements and non-rate revenues to system functions, the costs within each system function are allocated to service components. Service components are the building blocks for the rates billed to customer accounts and are described below in Table 10. Table 10 also shows where these service components will eventually be recovered in the rates.

**Table 10: Service Components**

| Service Component                               | Where Recovered in Rates    | Description   |
|---|-----------------------------|---|
| Base Supply, Treatment, and Distribution (Base) | Volumetric Rates            | Supply, treatment, and distribution costs associated with meeting customer demands and unrelated to treatment peaking.  |
| Treatment Peaking                               | Volumetric Rates            | Treatment costs incurred to meet peak demands.  |
| Elevation                                       | Elevation Surcharge         | Costs associated with pumping plants serving portions of the water service area at elevations that cannot be served without pumping.  |
| Supplemental Supply Facilities                  | Volumetric Rates            | Costs associated with facilities that allow the District to utilize alternative water supplies during periods of water shortages/drought.                                       |
| Recycled Water                                  | Recycled Water Rate         | Costs associated with providing water to recycled water customers.  |
| Service Laterals & Meters                       | Service Charge              | Costs associated with water meters and with the service laterals that connect those water meters to the water mains.  |
| Public Fire Protection                          | Service Charge              | Costs associated with hydrants and with providing capacity in the distribution system to serve fire hydrants.   |
| Private Fire Protection                         | Private Fire Service Charge | Costs associated with private fire meters and service laterals, and with providing capacity in the distribution system to serve those private fire meters and service laterals. |
| Meter Reading & Account Billing                 | Service Charge              | Costs for meter reading and costs associated with billing each account.   |
| General Administration                          | Service Charge              | Costs for District departments, such as human resources and finance, that do not fit within the other service components defined above.   |



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The system function costs are allocated to service components as follows:

- 100% of Supply/Raw Water system function costs are allocated to the Base service component to reflect that these costs are driven by the total demand for water and are not affected by treatment peaking.
- 78% of Water Treatment Plants system function costs are allocated to the Base service component and 22% are allocated to the Treatment Peaking service component to reflect that the District's treatment plants are sized to handle both the average demands and the peak demands on the treatment system. The basis for these allocations is discussed in Appendix B.
- 100% of the Treatment Chemicals, Power & Sludge Disposal system function costs are allocated to the Base service component to reflect that these costs are directly related to the volume of water treated at the District's plants.
- 87% of Distribution Pipelines system function costs are allocated to the Base service component. The remaining 13% of Distribution Pipelines system function costs are allocated to the Public Fire Protection (10%) and Private Fire Protection (3%) service components to reflect the additional capacity requirements of the distribution system to meet fire flow demands. The basis for these allocations is discussed in Appendix C.
- 95% of Distribution Pumping system function costs are allocated to the Elevation service component and 5% are allocated to the Base service component to reflect the portion of the pumping needs related to meeting pressure requirements.
- 100% of Conservation system function costs are allocated to the Base service component to reflect that conservation programs can help customers in all customer classes reduce water usage.
- 64% of Recycled Water system function costs are allocated to the Retail Recycled Water service component and 36% are allocated to the Supplemental Supply service component (see Appendix D).
- 100% of Supplemental Supply Facilities system function costs are allocated to the Supplemental Supply service component. See Appendix F for discussion of allocations with the Supplemental Supply service component.
- 65% of the Service Laterals & Meters system function costs are allocated to the Service Laterals & Meters service component and 35% is allocated to the Private Fire Protection service component based on the number and sizes of meters for potable water customers and Private Fire customers, respectively. The basis for these allocations is discussed in Appendix C.
- 100% of Hydrants system function costs are allocated to the Public Fire Protection service component (see Appendix C).
- 100% of Meter Reading & Account Billing system function costs are allocated to the Meter Reading & Account Billing service component to reflect that these costs are not affected by usage, peaking, or meter size.
- 100% of General Administrative system function costs are allocated to the General Administration service component to reflect that these costs are not affected by usage or peaking.
- Technical Support system function costs are allocated to all service components in proportion to each service component's contribution to the total revenue requirement minus the system



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function costs for Technical Support (\$661.2 million minus \$81.6 million equals \$579.7 million). For example, the Base service component constitutes 64.8% of the \$579.7 million. As such, 64.8% of the Technical Support system function costs (\$52,867,332) are allocated to the Base service component. Table 11 shows the allocation of Technical Support system function costs to service components.

**Table 11: Allocation of Technical Support System Function Costs to Service Components**

| <b>Service Components (Excluding Technical Support)</b> | <b>Percent of Revenue Requirement by Service Component Excluding Technical Support</b> | <b>Technical Support Allocation</b> |
|---|--|-------------------------------------|
| Base  | 64.8%  | \$52,867,332                        |
| Treatment Peaking                                       | 3.1%   | \$2,489,238                         |
| Elevation   | 4.9%   | \$3,967,180                         |
| Supplemental Supply                                     | 3.7%   | \$3,031,556                         |
| Retail Recycled Water                                   | 0.4%   | \$330,681                           |
| Service Laterals & Meters                               | 6.0%   | \$4,854,220                         |
| Public Fire Protection                                  | 4.7%   | \$3,817,356                         |
| Private Fire Protection                                 | 3.6%   | \$2,907,564                         |
| Meter Reading & Account Billing                         | 3.5%   | \$2,852,667                         |
| General Administration                                  | 5.4%   | \$4,439,513                         |
| <b>Total</b>  | <b>100%</b>  | <b>\$81,557,306</b>                 |

Table 12 below shows the allocations of system function costs to the service components.



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**Table 12: Allocation of System Function Costs to Service Components**

| <b>Service Component</b>                    | <b>System Functions Assigned to Service Component</b> | <b>Percent Allocation</b> | <b>Allocation Amount (\$)</b> | <b>Total Allocations to Service Component (\$)</b> |
|---|---|---------------------------|-------------------------------|--|
| Base  | Supply/Raw Water                                      | 100.0%                    | \$101,106,657                 | \$428,633,176                                      |
|   | Water Treatment Plants                                | 78.3%                     | \$63,780,772                  |  |
|   | Treatment Chemicals, Power, & Sludge Disposal         | 100.0%                    | \$12,284,369                  |  |
|   | Distribution Pipelines                                | 87.0%                     | \$193,595,634                 |  |
|   | Distribution Pumping                                  | 5.0%                      | \$1,484,083                   |  |
|   | Conservation  | 100.0%                    | \$3,514,328                   |  |
|   | Technical Support                                     | 64.8%                     | \$52,867,332                  |  |
| Treatment Peaking                           | Water Treatment Plants                                | 21.7%                     | \$17,692,787                  | \$20,182,025                                       |
|   | Technical Support                                     | 3.1%                      | \$2,489,238                   |  |
| Elevation                                   | Distribution Pumping                                  | 95.0%                     | \$28,197,581                  | \$32,164,762                                       |
|   | Technical Support                                     | 4.9%                      | \$3,967,180                   |  |
| Supplemental Supply                         | Supplemental Supply Facilities                        | 100.0%                    | \$16,149,912                  | \$24,578,990                                       |
|   | Recycled Water  | 69.7%                     | \$5,397,522                   |  |
|   | Technical Support                                     | 3.7%                      | \$3,031,556                   |  |
| Retail Recycled Water                       | Recycled Water  | 30.3%                     | \$2,350,384                   | \$2,681,065  |
|   | Technical Support                                     | 0.4%                      | \$330,681                     |  |
| Service Laterals & Meters                   | Services Laterals & Meters                            | 69.9%                     | \$34,502,403                  | \$39,356,623                                       |
|   | Technical Support                                     | 6.0%                      | \$4,854,220                   |  |
| Public Fire Protection                      | Hydrants  | 100.0%                    | \$3,945,432                   | \$30,950,026                                       |
|   | Distribution Pipelines                                | 10.4%                     | \$23,187,238                  |  |
|   | Technical Support                                     | 4.7%                      | \$3,817,356                   |  |
| Private Fire Protection                     | Services Laterals & Meters                            | 30.1%                     | \$14,892,146                  | \$23,573,697                                       |
|   | Distribution Pipelines                                | 2.6%                      | \$5,773,987                   |  |
|   | Technical Support                                     | 3.6%                      | \$2,907,564                   |  |
| Meter Reading & Account Billing             | Meter Reading & Account Billing                       | 100.0%                    | \$20,275,940                  | \$23,128,607                                       |
|   | Technical Support                                     | 3.5%                      | \$2,852,667                   |  |
| General Administration                      | General Administration                                | 100.0%                    | \$31,554,786                  | \$35,994,299                                       |
|   | Technical Support                                     | 5.4%                      | \$4,439,513                   |  |
| <b>Total Revenue Requirement from Rates</b> |   |                           | <b>\$661,243,270</b>          | <b>\$661,243,270</b>                               |



## 4 Rate Development

Unit costs for each service component must be calculated to establish rates billed to customer accounts. This calculation is done by dividing the total annual costs assigned to each component by the total annual service units of the respective component. The calculation of unit costs also takes into account how different water usage patterns and meter sizes impact costs (see Sections 4.1 and 4.2 below). Section 4.3, and several appendices referenced therein, discuss how the unit costs are calculated. Finally, Sections 4.4 to 4.8 develop the unit costs into the rates and charges billed to customer accounts: the potable volumetric rates; the monthly service charges; the private fire monthly service charges; the elevation surcharges; and the recycled water volumetric rate.

### 4.1 Customer Classes and Tiers

For some of the service component costs that are recovered through the volumetric rates, different unit costs are developed for different types of customer accounts in order to best reflect the proportional cost to serve each parcel. To this end, customer accounts are grouped into customer classes based on shared characteristics and water consumption patterns. The District groups customer accounts into the following customer classes:

- **Single-Family Residential (SFR)** – Residential properties with a single meter, usually serving a single residence on a single parcel. In the Study's analysis of the Test Year consumption data, SFR accounts show an average monthly consumption within a relatively narrow range: 2 CCF/month for the 10<sup>th</sup> percentile account<sup>3</sup> and 14 CCF/month for the 90<sup>th</sup> percentile. Additionally, the distribution of water use for the SFR customer accounts yields a skew value<sup>4</sup> of 5.0, indicating a right skew of the distribution with a longer tail in the positive direction, but less skewed than the other classes. Because usage from SFR customer accounts is clustered in this way, it is proportional to use a tiered structure for the volumetric rates paid by SFR customer accounts to best reflect the cost to serve SFR parcels. For the SFR customer class, the District has historically had a three-tiered structure for volumetric rates that continues to allow for a proportional allocation of certain costs that are billed volumetrically: Treatment Peaking (Appendix E) and Supplemental Supply Facilities (Appendix F.). The tiers are as follows: Tier 1: water use up to 7 CCF/month; Tier 2: water use above 7 CCF/month and up to 16 CCF/month; and Tier 3: water use above 16 CCF/month.
- **Multi-Family Residential (MFR)** – Residential properties where multiple residential units are served by a single meter. MFR customer accounts range from duplexes to large apartments

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<sup>3</sup> The 10<sup>th</sup> percentile account is the account for which 10% of customer accounts have less consumption and 90% have more consumption.

<sup>4</sup> Skewness is a statistical measure of asymmetry in the distribution of a histogram of data. A positive value indicates a right skew, meaning the tail on the right side of the distribution is longer than the left tail, and a larger positive value indicates a larger degree of asymmetry.





buildings with more than 100 dwellings. Average monthly Test Year consumption for MFR accounts ranges from 4 CCF/month for the 10<sup>th</sup> percentile account to 71 CCF/month for the 90<sup>th</sup> percentile, and the MFR customer class has relatively less peaking compared to the SFR customer class. The distribution of water use for MFR customer accounts yields a skew value of 13.5, meaning the MFR customer accounts have a greater right skew, or a longer tail in the positive direction than the SFR customer accounts. There are no tiers associated with the MFR customer class because water usage by account in this class is not clustered.

- **All Other** – Non-residential customer accounts including commercial, industrial, and public-school accounts. All Other customer accounts range from small corner stores to large industrial facilities. Average monthly Test Year consumption for All Other customer accounts ranges 1 CCF/month for the 10<sup>th</sup> percentile account and 107 CCF/month for the 90<sup>th</sup> percentile. The distribution of water use for All Other customer accounts yields a skew value of 81.7, a much more significant right skew, or a much longer tail in the positive direction than the SFR and MFR classes. There are no tiers associated with the All Other customer class because water usage by account in this class is not clustered.

## **4.2 Meter Equivalents**

For some of the service component costs recovered through the monthly service charge, the concept of meter equivalents is utilized. By using meter equivalents, the analysis accounts for the greater demands placed on the water system, the greater costs to install, to maintain, and to replace meters/service laterals, and the greater capacity required in the system for larger meters than for smaller meters.

Meter equivalents are based on meter hydraulic capacity. A ratio of hydraulic capacity is calculated by dividing capacity for each meter size by the capacity of the smallest meter size. The actual number of meters by size is multiplied by the corresponding capacity ratio to calculate meter equivalent units (MEUs). Table 13 shows the meter capacity ratios and the MEUs, and Table 14 shows the fire meter equivalent units (FMEU) for private fire services.



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**Table 13: Meter Equivalent Units**

| <b>Meter Size</b> | <b>Meter Count</b> | <b>Capacity<br/>(gallons/minute)</b> | <b>Meter Capacity<br/>Ratio<sup>1</sup></b> | <b>Meter Equivalent<br/>Units (MEUs)</b> |
|-------------------|--------------------|--------------------------------------|---|--|
| 5/8 inch          | 347,283            | 30                                   | 1.00  | 347,283                                  |
| 3/4 inch          | 3,643              | 30                                   | 1.00  | 3,643                                    |
| 1 inch            | 17,824             | 50                                   | 1.67  | 29,707                                   |
| 1-1/2 inch        | 12,704             | 100                                  | 3.33  | 42,347                                   |
| 2 inch            | 4,952              | 160                                  | 5.33  | 26,411                                   |
| 3 inch            | 1,025              | 350                                  | 11.67                                       | 11,958                                   |
| 4 inch            | 440                | 600                                  | 20.00                                       | 8,800                                    |
| 6 inch            | 198                | 1,350                                | 45.00                                       | 8,910                                    |
| 8 inch            | 79                 | 1,600                                | 53.33                                       | 4,213                                    |
| 10 inch           | 6                  | 2,300                                | 76.67                                       | 460                                      |
| 12 inch           | 2                  | 3,200                                | 106.67                                      | 213                                      |
| 14 inch           | 1                  | 4,100                                | 136.67                                      | 137                                      |
| 16 inch           | 1                  | 5,200                                | 173.33                                      | 173                                      |
| 18 inch           | 2                  | 6,300                                | 210.00                                      | 420                                      |
| <b>Total</b>      | <b>388,160</b>     |                                      |   | <b>484,675</b>                           |

1. Based on the District's Engineering Standard Practice (ESP) 521.2 (Attachment 3). 5/8 meters are no longer commonly issued. To account for this, existing 5/8 meters are attributed the same meter capacity ratio as 3/4 inch meters.



**Table 14: Fire Meter Equivalent Units**

| <b>Fire Service Size</b> | <b>Meter Count</b> | <b>Capacity (gallons/minute)</b> | <b>Meter Capacity Ratio</b> | <b>Fire Meter Equivalent Units (FMEUs)</b> |
|--------------------------|--------------------|----------------------------------|-----------------------------|--|
| 5/8 inch                 | 0                  | 30                               | 1.00                        | 0  |
| 3/4 inch                 | 0                  | 30                               | 1.00                        | 0  |
| 1 inch                   | 4                  | 50                               | 1.67                        | 7  |
| 1-1/2 inch               | 278                | 100                              | 3.33                        | 927  |
| 2 inch                   | 504                | 160                              | 5.33                        | 2,688                                      |
| 3 inch                   | 4                  | 350                              | 11.67                       | 47   |
| 4 inch                   | 2,205              | 600                              | 20.00                       | 44,100                                     |
| 6 inch                   | 2,554              | 1,350                            | 45.00                       | 114,930                                    |
| 8 inch                   | 1,617              | 1,600                            | 53.33                       | 86,240                                     |
| 10 inch                  | 195                | 2,300                            | 76.67                       | 14,950                                     |
| 12 inch                  | 22                 | 3,200                            | 106.67                      | 2,347                                      |
| 14 inch                  | 0                  | 4,100                            | 136.67                      | 0  |
| 16 inch                  | 1                  | 5,200                            | 173.33                      | 173  |
| 18 inch                  | 0                  | 6,300                            | 210.00                      | 0  |
| <b>Total</b>             | <b>7,384</b>       |                                  |                             | <b>266,408</b>                             |

## 4.3 Calculation of Unit Costs

Unit costs are calculated for each service component by dividing the total costs of each service component by the relevant units of service. Converting total service component costs to unit costs allows for the proportional recovery of those costs for each service component as these costs are the building blocks of the District's rate structure.

### 4.3.1 Unit Costs for Service Components Recovered in the Potable Volumetric Rates

Unit costs for the Base service component are calculated by dividing the allocation for Base (\$428,633,176) by the total amount of potable water sold in the Test Year (64,298,704 CCF), resulting in a unit cost of \$6.67/CCF as a portion of all potable water volumetric rates.

Unit costs for the Treatment Peaking service component are calculated to reflect the contributions of each customer class to the Treatment Peaking costs. See Appendix E for a discussion of the methodology for developing Treatment Peaking unit costs. The resulting Treatment Peaking unit costs are as follows: SFR Tier 1: \$0.16/CCF, SFR Tier 2: \$0.53/CCF, SFR Tier 3: \$1.12/CCF, MFR: \$0.14/CCF, All Other: \$0.32/CCF.



Unit costs for the Supplemental Supply service component are calculated as discussed in Appendix F. The resulting Supplemental Supply unit costs are as follows and shown below in Table 15: SFR Tier 1: \$0.00/CCF, SFR Tier 2: \$0.73/CCF, SFR Tier 3: \$1.56/CCF, MFR: \$0.38/CCF, All Other: \$0.38/CCF.

**Table 15: Volumetric Unit Costs**

| <b>Customer Class/Tier</b> | <b>Unit Cost for Base (\$/CCF)</b> | <b>Unit Cost for Treatment Peaking (\$/CCF)</b> | <b>Unit Cost for Supplemental Supply (\$/CCF)</b> |
|----------------------------|------------------------------------|---|---|
| SFR - Tier 1               | \$6.67                             | \$0.16  | \$0.00  |
| SFR - Tier 2               | \$6.67                             | \$0.53  | \$0.73  |
| SFR - Tier 3               | \$6.67                             | \$1.12  | \$1.56  |
| MFR                        | \$6.67                             | \$0.14  | \$0.38  |
| All Other                  | \$6.67                             | \$0.32  | \$0.38  |

### **4.3.2 Unit Costs for Service Components Recovered in the Monthly Service Charge**

Unit costs for the service components recovered in the monthly service charge are shown in Table 16. Unit costs for the Service Laterals & Meters, Public Fire Protection, and General Administration service components are calculated by dividing their allocations by the total number of MEUs in the Test Year, and then by 12 months, resulting in a unit cost of \$18.28/month per MEU as a portion of the service charge.

**Table 16: \$/MEU Unit Costs**

| <b>Service Component</b>  | <b>Allocation to Service Component</b> | <b>Units (MEUs)</b> | <b>Unit Cost (\$/MEU per month)</b> |
|---|--|---------------------|-------------------------------------|
| Service Laterals & Meters   | \$39,356,623                           | 484,675             | \$6.77                              |
| Public Fire Protection  | \$30,950,026                           | 484,675             | \$5.32                              |
| General Administration  | \$35,994,299                           | 484,675             | \$6.19                              |
| <b>Total Unit Cost for Service Components Billed on a per MEU basis</b> |  |                     | <b>\$18.28</b>                      |



Unit costs for the Meter Reading & Account Billing service component are calculated by dividing the allocation for Meter Reading & Account Billing by the total number of billed accounts in the Test Year, and then by 12 months, resulting in a unit cost of \$4.97/month per account as a portion of the service charge.

**Table 17: \$/Account Unit Costs**

| <b>Service Component</b>  | <b>Allocation to Service Component</b> | <b>Units (Accounts)</b> | <b>Unit Cost (\$/Account per month)</b> |
|---|--|-------------------------|---|
| Meter Reading & Customer Billing  | \$23,128,607                           | 388,160                 | \$4.97                                  |
| <b>Total Unit Cost for Service Components Billed on per account basis</b> |  |                         | <b>\$4.97</b>                           |

### **4.3.3 Unit Costs for the Private Fire Protection Service Component**

Unit costs for the Private Fire Protection service component are calculated by dividing the allocation for Private Fire Protection by the fire meter equivalents, and then by 12 months, resulting in a unit cost of \$7.37/month per FMEU as a portion of the service charge.

**Table 18: \$/FMEU per Month Unit Costs**

| <b>Service Component</b>   | <b>Allocation to Service Component</b> | <b>Units (FMEUs)</b> | <b>Unit Cost (\$/FMEU per month)</b> |
|--|--|----------------------|--------------------------------------|
| Private Fire Protection  | \$23,573,697                           | 266,408              | \$7.37                               |
| <b>Total Unit Cost for Service Components Billed on per FMEU</b> |  |                      | <b>\$7.37</b>                        |



#### 4.3.4 Unit Costs for the Elevation Service Component

See Appendix G for a discussion of the methodology for developing unit costs for the Elevation service component. The resulting Elevation unit costs are as follows: Elevation Zone 1: \$0.00/CCF; Elevation Zone 2: \$1.08/CCF; Elevation Zone 3: \$2.32/CCF.

**Table 19: \$/CCF Elevation Unit Costs**

| Elevation Band | Allocated Elevation Costs | Consumption (CCF) | Unit Cost (\$/CCF) |
|----------------|---------------------------|-------------------|--------------------|
| 1              | \$0                       | 39,928,403        | \$0.00             |
| 2              | \$21,133,474              | 19,570,698        | \$1.08             |
| 3              | \$11,137,979              | 4,799,541         | \$2.32             |
| <b>Total</b>   | <b>\$32,271,452</b>       | <b>64,298,642</b> |                    |

#### 4.3.5 Unit Costs for the Retail Recycled Water Service Component

Unit costs for the Retail Recycled Water service component are calculated by dividing the allocation for Retail Recycled Water (\$2,681,065) by the total amount of recycled water sold to retail (non-contract) recycled water customers in the Test Year (486,751 CCF), resulting in a unit cost of \$5.51/CCF.

**Table 20: \$/CCF Recycled Water Unit Costs**

| Service Component   | Allocation to Service Component | Units (CCF) | Unit Cost (\$/CCF) |
|---|---------------------------------|-------------|--------------------|
| Retail Recycled Water   | \$2,681,065                     | 486,751     | \$5.51             |
| <b>Total Unit Cost for Service Components Billed on per CCF</b> |                                 |             | <b>\$5.51</b>      |



## 4.4 Volumetric Rates

Table 21 below tallies the Test Year COS unit costs for service components recovered in the potable volumetric rates (Section 4.3.1) by customer class and tier.

**Table 21: Test Year Volumetric Rates – Potable Water**

| <b>Customer Class/Tier</b> | <b>Unit Cost for Base (\$/CCF)</b> | <b>Unit Cost for Treatment Peaking (\$/CCF)</b> | <b>Unit Cost for Supplemental Supply Facilities (\$/CCF)</b> | <b>Total Volumetric Rate (\$/CCF)</b> |
|----------------------------|------------------------------------|---|--|---------------------------------------|
| SFR - Tier 1               | \$6.67                             | \$0.16  | \$0.00   | <b>\$6.83</b>                         |
| SFR - Tier 2               | \$6.67                             | \$0.53  | \$0.73   | <b>\$7.92</b>                         |
| SFR - Tier 3               | \$6.67                             | \$1.12  | \$1.56   | <b>\$9.34</b>                         |
| MFR                        | \$6.67                             | \$0.14  | \$0.38   | <b>\$7.19</b>                         |
| All Other                  | \$6.67                             | \$0.32  | \$0.38   | <b>\$7.37</b>                         |



## 4.5 Monthly Service Charge

Table 22 shows the Test Year COS monthly service charge calculated by adding the \$/MEU unit costs to the \$/Account unit costs (Section 4.3.2). The monthly service charges shown in Table 22 apply to all customer accounts regardless of customer class.

**Table 22: Test Year Monthly Service Charges**

| <b>Meter Size</b> | <b>Meter Capacity Ratio</b> | <b>Charges Billed as \$/MEU<sup>1</sup></b> | <b>Charges Billed as \$/Account</b> | <b>Proposed Service Charges (\$/Month)</b> |
|-------------------|-----------------------------|---|-------------------------------------|--|
| 5/8 inch          | 1.00                        | \$18.28                                     | \$4.97                              | <b>\$23.24</b>                             |
| 3/4 inch          | 1.00                        | \$18.28                                     | \$4.97                              | <b>\$23.24</b>                             |
| 1 inch            | 1.67                        | \$30.46                                     | \$4.97                              | <b>\$35.43</b>                             |
| 1-1/2 inch        | 3.33                        | \$60.92                                     | \$4.97                              | <b>\$65.89</b>                             |
| 2 inch            | 5.33                        | \$97.48                                     | \$4.97                              | <b>\$102.44</b>                            |
| 3 inch            | 11.67                       | \$213.23                                    | \$4.97                              | <b>\$218.20</b>                            |
| 4 inch            | 20.00                       | \$365.54                                    | \$4.97                              | <b>\$370.51</b>                            |
| 6 inch            | 45.00                       | \$822.47                                    | \$4.97                              | <b>\$827.43</b>                            |
| 8 inch            | 53.33                       | \$974.77                                    | \$4.97                              | <b>\$979.74</b>                            |
| 10 inch           | 76.67                       | \$1,401.24                                  | \$4.97                              | <b>\$1,406.20</b>                          |
| 12 inch           | 106.67                      | \$1,949.55                                  | \$4.97                              | <b>\$1,954.51</b>                          |
| 14 inch           | 136.67                      | \$2,497.86                                  | \$4.97                              | <b>\$2,502.82</b>                          |
| 16 inch           | 173.33                      | \$3,168.02                                  | \$4.97                              | <b>\$3,172.98</b>                          |
| 18 inch           | 210.00                      | \$3,838.17                                  | \$4.97                              | <b>\$3,843.14</b>                          |

1. Charges billed as \$/MEU are calculated by multiplying the unit cost for the smallest meter size (5/8 inch and 3/4 inch) by the meter capacity ratio (see Section 4.2).





## 4.6 Monthly Private Fire Service Charge

Table 23 shows the calculation of the Test Year COS monthly service charge for private fire services.

**Table 23: Test Year Monthly Private Fire Service Charges**

| <b>Fire Service Size</b> | <b>Meter Capacity Ratio</b> | <b>Proposed Private Fire Service Charges (\$/Month) <sup>1</sup></b> |
|--------------------------|-----------------------------|--|
| 5/8 inch                 | 1.00                        | <b>\$7.37</b>  |
| 3/4 inch                 | 1.00                        | <b>\$7.37</b>  |
| 1 inch                   | 1.67                        | <b>\$12.29</b>   |
| 1-1/2 inch               | 3.33                        | <b>\$24.58</b>   |
| 2 inch                   | 5.33                        | <b>\$39.33</b>   |
| 3 inch                   | 11.67                       | <b>\$86.03</b>   |
| 4 inch                   | 20.00                       | <b>\$147.48</b>  |
| 6 inch                   | 45.00                       | <b>\$331.83</b>  |
| 8 inch                   | 53.33                       | <b>\$393.28</b>  |
| 10 inch                  | 76.67                       | <b>\$565.33</b>  |
| 12 inch                  | 106.67                      | <b>\$786.55</b>  |
| 14 inch                  | 136.67                      | <b>\$1,007.77</b>  |
| 16 inch                  | 173.33                      | <b>\$1,278.15</b>  |
| 18 inch                  | 210.00                      | <b>\$1,548.53</b>  |

1. Charges billed as \$/FMEU are calculated by multiplying the unit costs for the smallest meter size (5/8 inch and 3/4 inch) by the meter capacity ratio (Section 4.2).



## 4.7 Elevation Surcharge

The Test Year COS elevation surcharge is identical to the unit cost for the Elevation service component: Elevation Zone 1: \$0.00/CCF, Elevation Zone 2: \$1.08/CCF, and Elevation Zone 3: \$2.32/CCF.

**Table 24: Elevation Surcharge Unit Costs**

| Elevation Band | Elevation Surcharge Rate (\$/CCF) |
|----------------|-----------------------------------|
| 1              | \$0.00                            |
| 2              | \$1.08                            |
| 3              | \$2.32                            |

## 4.8 Recycled Water Volumetric Rate

The Test Year COS recycled water volumetric rate is identical to the unit cost for the Recycled Water service component: \$5.51/CCF.

**Table 25: Recycled Water Volumetric Rate**

| Recycled Water Volumetric Rate (\$/CCF) |        |
|---|--------|
| Retail Recycled Water                   | \$5.51 |



## 4.9 High Water Users

In accordance with Assembly Bill No. 755 (AB 755), which passed in 2023 and is codified in Water Code sections 390 and 390.1, this Study includes an analysis of costs to serve “high water users,” who are defined by statute as “the top 10 percent of water, in terms of volume of water consumed.” (See Water Code § 390, subd. (b).) This analysis has been conducted by customer class. Table 26 shows the total potable water sales, the number of customer accounts purchasing the top 10% of volume, the total sales to those customer accounts, and the revenue from the volumetric rate, the service charge and the elevation surcharge generated by those customer accounts under the Test Year rates. Because the Test Year rates reflect the costs for the District to serve all customer accounts, the revenue from the high water users is equal to the cost to serve the high water users.

**Table 26: Costs to Serve High Water Users**

|                      | <b>Total Usage<br/>(CCF)</b> | <b>Customer<br/>Accounts in<br/>Top 10%</b> | <b>Sales to<br/>Top 10%<br/>(CCF)</b> | <b>Service<br/>Charge<br/>Revenue</b> | <b>Volumetric<br/>Rate<br/>Revenue</b> | <b>Elevation<br/>Surcharge<br/>Revenue</b> |
|----------------------|------------------------------|---|---------------------------------------|---------------------------------------|--|--|
| <b>Single-Family</b> | 29,754,554                   | 5,946                                       | 2,975,594                             | \$2,096,678                           | \$25,836,511                           | \$3,880,074                                |
| <b>Multi-Family</b>  | 12,797,782                   | 76  | 1,289,620                             | \$583,325                             | \$9,270,761                            | \$390,743                                  |
| <b>All Other</b>     | 21,746,368                   | 2   | 3,529,850                             | \$84,193                              | \$26,021,077                           | \$0  |
| <b>Total</b>         | <b>64,298,704</b>            | <b>6,024</b>                                | <b>7,795,064</b>                      | <b>\$2,764,197</b>                    | <b>\$61,128,349</b>                    | <b>\$4,270,817</b>                         |



## 5 Drought Surcharges

The District intermittently experiences droughts or water shortages of varying degrees of severity. Decreased water sales and increased operating costs lead to financial pressures during these times. The District uses drought surcharges to reflect the costs to provide service during drought.

As defined in the District's *Water Shortage Contingency Plan 2020*<sup>5</sup> (Attachment 6), the District categorizes droughts in four stages based on severity and total available system storage. Table 27 outlines the four stages of drought, and the corresponding storage criteria and customer demand reduction policies for each stage.

**Table 27: Drought Stages and Corresponding Demand Reductions**

| Drought Stage         | Total System Storage<br>(Thousand Acre Feet) | Customer Demand<br>Reduction |
|-----------------------|--|------------------------------|
| Stage 1 (Moderate)    | 475 – 425                                    | Voluntary (0 – 10%)          |
| Stage 2 (Significant) | 425 – 390                                    | Mandatory (10 – 15%)         |
| Stage 3 (Severe)      | 390 – 325                                    | Mandatory (15%)              |
| Stage 4 (Critical)    | <325   | Mandatory (≥15%)             |

Drought surcharges are calculated based on the estimated revenue needs during different stages of drought, including costs to purchase water, additional operating costs to treat and deliver the purchased water, costs for drought outreach, and costs for additional water conservation efforts. The surcharges also account for revenue loss due to the reduction in water sales during droughts in response to voluntary or mandatory reduction targets. Drought surcharges are set as maximum surcharges that can be implemented during each drought stage. After a drought is declared by the District's Board, the District will determine the magnitude of any actual drought surcharge to be implemented based on the declared drought stage, the District's budget, and necessary financial considerations.

Table 28 shows the calculation of the drought surcharges for each stage of drought.

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<sup>5</sup> The District's current *Water Shortage Contingency Plan* is available at [www.ebmud.com/uwmp](http://www.ebmud.com/uwmp).



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5 Drought Surcharges

**Table 28: Drought Surcharge by Drought Stage**

| <b>Drought Surcharge Calculations</b>                                    |                       |                       |                       |                       |
|--|-----------------------|-----------------------|-----------------------|-----------------------|
|  | <b>Stage 1</b>        | <b>Stage 2</b>        | <b>Stage 3</b>        | <b>Stage 4</b>        |
| Demand Reduction   | 10%                   | 10%-15%               | 15%                   | > 15%                 |
| Voluntary/Mandatory  | Voluntary             | Mandatory             | Mandatory             | Mandatory             |
| <b><u>Transfer Supply Purchase Costs</u></b>                             |                       |                       |                       |                       |
| CVP Supply (AF)  | 20,000                | 20,000                | 0                     | 0                     |
| CVP Unit Cost (\$/AF) <sup>1</sup>                                       | \$127.00              | \$127.00              | \$127.00              | \$127.00              |
| <b>CVP Purchase Cost</b>   | <b>\$2,540,000</b>    | <b>\$2,540,000</b>    | <b>\$0</b>            | <b>\$0</b>            |
| Other Transfer Supply (AF)   | 10,000                | 10,000                | 30,000                | 30,000                |
| Other Transfer Supply Unit Cost (\$/AF) <sup>2</sup>                     | \$720.00              | \$720.00              | \$720.00              | \$720.00              |
| <b>Other Transfer Supply Purchase Cost</b>                               | <b>\$7,200,000</b>    | <b>\$7,200,000</b>    | <b>\$21,600,000</b>   | <b>\$21,600,000</b>   |
| <b>Total Transfer Supply Purchase Costs</b>                              | <b>\$9,740,000</b>    | <b>\$9,740,000</b>    | <b>\$21,600,000</b>   | <b>\$21,600,000</b>   |
| <b><u>Transfer Supply Operations and Maintenance (O&amp;M) Costs</u></b> |                       |                       |                       |                       |
| Total Transfer Supply (AF)   | 30,000                | 30,000                | 30,000                | 30,000                |
| Freeport Operating Costs (\$/AF) <sup>3</sup>                            | \$259.50              | \$259.50              | \$259.50              | \$259.50              |
| WTP Additional O&M Costs (\$/AF) <sup>4</sup>                            | \$80.15               | \$80.15               | \$80.15               | \$80.15               |
| <b>Total Transfer O&amp;M Unit Cost (\$/AF)</b>                          | <b>\$339.65</b>       | <b>\$339.65</b>       | <b>\$339.65</b>       | <b>\$339.65</b>       |
| <b>Total Transfer Supply O&amp;M Costs</b>                               | <b>\$10,189,565</b>   | <b>\$10,189,565</b>   | <b>\$10,189,565</b>   | <b>\$10,189,565</b>   |
| <b>Drought Period Customer Support &amp; Outreach</b>                    | <b>\$1,007,855</b>    | <b>\$2,015,710</b>    | <b>\$2,519,638</b>    | <b>\$3,149,547</b>    |
| <b><u>Revenue Loss</u></b>   |                       |                       |                       |                       |
| Expected Non-Drought Revenue   | \$505,558,953         | \$505,558,953         | \$505,558,953         | \$505,558,953         |
| Drought Conservation   | 5%                    | 10%                   | 15%                   | 20%                   |
| <b>Total Expected Revenue Loss</b>                                       | <b>\$25,277,948</b>   | <b>\$50,555,895</b>   | <b>\$75,833,843</b>   | <b>\$101,111,791</b>  |
| <b>Use of Reserves</b>   | <b>(\$20,000,000)</b> | <b>(\$25,000,000)</b> | <b>(\$25,000,000)</b> | <b>(\$15,000,000)</b> |
| <b>Revenue Requirements Covered by Surcharge</b>                         | <b>\$26,215,367</b>   | <b>\$47,501,170</b>   | <b>\$85,143,045</b>   | <b>\$121,050,902</b>  |
| Expected Non-Drought Revenue Consumption (CCF/year)                      | 64,298,704            | 64,298,704            | 64,298,704            | 64,298,704            |
| Water Consumption During Drought (CCF/year)                              | 61,083,769            | 57,868,834            | 54,653,899            | 51,438,963            |
| <b>Drought Surcharge (%)</b>   | <b>5%</b>             | <b>10%</b>            | <b>20%</b>            | <b>30%</b>            |

(See notes on next page)



## **Water Cost of Service Rate Study Report**

### **5 Drought Surcharges**

1. Unit cost for CVP (Central Valley Project) water based on 2021 actual costs.
2. Unit cost for other transfer supply based on purchase price paid by the District to Placer County Water Agency in 2022 for supplemental supply water.
3. Additional operating costs for transferring water through the Freeport Regional Water Facility and associated infrastructure consistent with District's experience with water transfers from 2014 through 2022.
4. Additional operating costs associated with the increased use of the District's conventional water treatment plants (WTPs) preferentially over the in-line WTPs due to lower water quality of transfer water versus water from the Mokelumne supply.



## **Appendix A: Allocation of Operating Programs, Asset Categories, and Capital Awards to System Functions**



## Allocation of Operating Expenses to System Functions

Table A1

| Operating Programs                                 | Allocation Factor/Basis                       | 2024 Test Year Expense |
|--|---|------------------------|
| 1301-OPERATE POWER PLANTS                          | Technical Support                             | \$1,137,200            |
| 1305-MAINTAIN POWER PLANTS                         | Technical Support                             | \$2,028,400            |
| 1401-ENGINEERING EXSTNG WTR SOURCES                | Supply/Raw Water                              | \$4,437,233            |
| 1405-ENGINEERING FUTURE WTR SOURCES                | Supply/Raw Water                              | \$5,823,564            |
| 1415-OPERATE WTR SOURCE FACILITIES                 | Supply/Raw Water                              | \$2,225,233            |
| 1420-WS WATER RECLAMATION /CONSERVATN *            | Conservation                                  | \$4,005,879            |
| 1420- WATER RECYCLING PORTION *                    | Recycled Water                                | 5,845,631              |
| 1425-MAINT RESVR STRCTR, WTR SOURCE                | Supply/Raw Water                              | \$13,027,922           |
| 1435-OPERATE AQUEDUCTS & RW PMP PLT                | Supply/Raw Water                              | \$3,400,251            |
| 1440-MAINTAIN DELTA LEVEES                         | Supply/Raw Water                              | \$543,312              |
| 1445-MAINTAIN AQUED & RW PMP PLTS                  | Supply/Raw Water                              | \$2,986,774            |
| 1450-ENGINEERING TERMINAL STORAGE                  | Supply/Raw Water                              | \$806,675              |
| 1455-OPERATE TERMINAL RESERVOIRS                   | Supply/Raw Water                              | \$8,543,709            |
| 1460-MAINT RESVR STRCTR, RAW WATER                 | Supply/Raw Water                              | \$775,067              |
| 1465-ENGINEERING WATER TREATMENT                   | Water Treatment Plants                        | \$2,377,999            |
| 1470-OPERATE TREATMENT PLANTS **                   | Water Treatment Plants                        | \$11,526,938           |
| 1470- TREATMENT PLANTS (CHEMICALS & POWER ONLY) ** | Treatment Chemicals, Power, & Sludge Disposal | \$14,001,377           |
| 1475-WS OPERATING CHEMICALS                        | Treatment Chemicals, Power, & Sludge Disposal | \$1,214                |
| 1480-MAINTAIN TREATMENT PLANTS                     | Water Treatment Plants                        | \$9,297,407            |
| 1485-WS INTERCEPTION                               | Supply/Raw Water                              | \$150,447              |
| 1501-ENGRNG DISTRIBUTN PUMPNG & RES                | Reservoir                                     | \$1,462,593            |
| 1505-OPERATE DISTRIBUTN RESERVOIRS                 | Reservoir                                     | \$794,337              |
| 1510-OPERATE DISTRBN PUMPNG PLANTS                 | Elevation                                     | \$12,494,062           |
| 1520-MNTN DISTRBN PMPNG STRUCTURES                 | Reservoir                                     | \$918,213              |
| 1525-MNTN DISTRBN PMPNG EQUIPMENT                  | Elevation                                     | \$3,251,030            |
| 1525-MNTN DISTRBN PMPNG EQUIPMENT- NON ELEV        | Reservoir                                     | \$2,456,954            |
| 1530-MAINTAIN DISTRIBUTN RESERVOIRS                | Reservoir                                     | \$6,112,939            |
| 1535-ENGINEERING DISTRIBUTN NETWORK                | Distribution Pipelines                        | \$2,689,844            |
| 1540-OPERATE DISTRIBUTION NETWORK                  | Distribution Pipelines                        | \$22,913,669           |
| 1545-LOCATE AND MARK FAC FOR OTHERS                | Distribution Pipelines                        | \$2,739,105            |
| 1550-REGLTRY & ENVRNMNTL COMPLIANCE                | Technical Support                             | \$4,572,512            |
| 1555-ENGINEERING SUPPORT REQUESTS                  | Distribution Pipelines                        | \$252,850              |
| 1560-MAINTAIN DISTRIBUTION MAINS                   | Distribution Pipelines                        | \$23,312,739           |
| 1565-MAINTAIN SERVICES                             | Service Laterals & Meters                     | \$12,548,383           |
| 1570-MAINTAIN HYDRANTS                             | Hydrants                                      | \$2,452,923            |
| 1575-MAINTAIN METERS                               | Service Laterals & Meters                     | \$5,675,088            |
| 1585-OP/NET OPERATIONS                             | Distribution Pipelines                        | \$3,723,976            |
| 1590-O&M DISTRICT FUEL SITES                       | Distribution Pipelines                        | \$36,287               |
| 1601-WS CUSTOMER SERVICES & ACCOUNTING             | Meter Reading & Account Billing               | \$15,659,596           |
| 1605-METER READING                                 | Meter Reading & Account Billing               | \$5,328,599            |
| 1610-WS CUSTOMER RECORDS & BILLINGS                | Meter Reading & Account Billing               | \$2,123,752            |
| 1620-WS WORK FOR OTHERS                            | General Administration                        | \$2,324,452            |
| 1620- RARE O&M COSTS                               | Recycled Water                                | \$3,041,303            |
| 1650-WS-WORK FOR OTHERS                            | Technical Support                             | \$72,051               |
| 1695-RECREATION OPERATIONS, BILLABLE               | Supply/Raw Water                              | \$7,103,839            |
| 1701-WS FINANCIAL MANAGEMENT DEPT                  | General Administration                        | \$2,394,623            |
| 1705-WS ACCOUNTING DEPT                            | General Administration                        | \$5,942,712            |
| 1710-INTERNAL AUDIT INVESTIGA DEPT                 | Technical Support                             | \$1,159,807            |
| 1730-WS GENERAL ADMINISTRATION DEPT ***            | Technical Support                             | (\$28,846,588)         |
| 1735-WS PUBLIC RELATIONS DEPT                      | Technical Support                             | \$125,324              |
| 1760-COMMUNICATIONS DEPT                           | Technical Support                             | \$4,152,084            |
| 1765-WS INFORMATIONS SYSTEMS DEV DEPT              | General Administration                        | \$15,182,708           |
| 1770-WS PERSONNEL & EMPLOYEE SRV DEPT              | General Administration                        | \$16,270,954           |
| 1775-WS DEPARTMENTAL OVERHEAD                      | Technical Support                             | \$26,117,978           |
| 1780-ADMINISTRATON & GENERAL CREDIT                | General Administration                        | \$5,096                |
| 1806-WS ACCOUNTING DIST                            | General Administration                        | \$86,413               |
| 1815-WS RISK MANAGEMENT DIST                       | Technical Support                             | \$15,056,342           |
| 1820-WS MAINTAIN ADMIN FACILITIES DIST             | Technical Support                             | \$13,542,488           |
| 1825-WS PROPERTY MANAGEMENT DIST                   | General Administration                        | \$2,692,258            |
| 1831-WS GENERAL ADMINISTRATION DIST                | Technical Support                             | \$3,091,191            |
| 1836-WS PUBLIC RELATIONS DIST                      | Technical Support                             | \$57,455               |
| 1850-WS PURCHASING DIST                            | Technical Support                             | (\$8,212)              |
| 1866-WS INFORMATIONS SYSTEMS DEV DIST              | Technical Support                             | \$14,602,905           |
| 1871-WS PERSONNEL & EMPLOYEE SRV DIST              | General Administration                        | \$2,667,264            |
| 1902-WS FINANCIAL MANAGEMENT OTHR                  | General Administration                        | \$1,961,685            |
| 1935-MISCELLANEOUS ADJUSTMENTS                     | Technical Support                             | \$1,137,404            |
| 1937-WS PUBLIC RELATIONS OTHR                      | Technical Support                             | \$4,329,290            |
| 1945-WS EMERGENCY PREPAREDNESS                     | Technical Support                             | \$876,166              |
| 1951-WS PURCHASING OTHER                           | Technical Support                             | \$785,076              |
| 1972-WS PERSONNEL & EMPLOYEE SRV OTHR              | General Administration                        | \$6,687,825            |
| Freeport ****                                      | Supplemental Supply Facilities                | \$1,893,209            |
| <b>Total Operating Expenses</b>                    |   | <b>\$348,966,784</b>   |

\* Operating Program 1420 is separated into two categories of expenses in order to appropriately allocate to Conservation and Recycled Water.

\*\* Operating Program 1470 is separated into two categories of expenses in order to appropriately allocate to Treatment Plants and Treatment Chemicals, Power, & Sludge Disposal.

\*\*\* Operating Program 1730 includes capital support offsets.

\*\*\*\* Freeport operating expenses are not included in Operating Program 1435 as they are allocated to Supplemental Supply Facilities.



# Allocation of Assets to System Functions

Table A2

| Category Group                  | Allocation Basis/Factor        | Net Book Value         |
|---------------------------------|--------------------------------|------------------------|
| Auto Control System-STRUC       | Distribution Pipelines         | \$14,635,929           |
| Hydroelectric Power Gen-EQUIP   | Technical Support              | \$15,493,110           |
| Groundwater systems - Equip     | Supplemental Supply Facilities | \$868,360              |
| Source of Water Supply-OTHER    | Supply/Raw Water               | \$39,169,825           |
| Raw Water Transmission-CONDU    | Supply/Raw Water               | \$249,008,796          |
| Raw Water Trans Pump-EQUIP      | Supply/Raw Water               | \$11,573,168           |
| Terminal Reservoirs-OTHER       | Supply/Raw Water               | \$143,081,442          |
| Water Reclam-Equipment          | Recycled Water                 | \$53,857,038           |
| Water Treatment-CNCST           | Water Treatment Plants         | \$413,786,066          |
| Distribution Pumping-CNCST      | Elevation                      | \$236,669,770          |
| Distribution Reservoirs-STLST   | Reservoir                      | \$400,085,095          |
| Distribution Mains-MAINS        | Distribution Pipelines         | \$1,568,439,210        |
| Distribution Aqueducts-DAQUE    | Supply/Raw Water               | \$62,584,233           |
| Pressure Regulators-REGL        | Distribution Pipelines         | \$42,271,485           |
| Venturi Met&CatProtSta-CATHP    | Distribution Pipelines         | \$2,576,519            |
| Hydrants-HYD                    | Hydrants                       | \$41,736,653           |
| Small Services 3in & und - SSM  | Service Laterals & Meters      | \$449,945,095          |
| Large Services over 3in-SLG     | Service Laterals & Meters      | \$81,906,845           |
| Gen PlantStruct-WaterSys-OTHER  | Technical Support              | \$137,616,691          |
| Equip- Vehicles & Const-02      | Technical Support              | \$48,651,403           |
| Portable Equip - Laboratory     | Technical Support              | \$1,629,659            |
| Equipment-Engineering           | Technical Support              | \$262,153              |
| Equipment-Tools-3C              | Technical Support              | \$873,976              |
| Equipment-Stores -WHSE          | Technical Support              | \$4,579                |
| Equipment-Shop -SHOP            | Technical Support              | \$327,899              |
| Non-Oper Prop ExceptLand-NOP    | Supply/Raw Water               | \$170,765              |
| Recreation Area-STLST           | Supply/Raw Water               | \$32,868,947           |
| Land-Source of Supply           | Supply/Raw Water               | \$8,073,507            |
| ROW-Source of Supply            | Technical Support              | \$135,247              |
| Land-Raw Water Transmission     | Supply/Raw Water               | \$3,709,102            |
| Rights of Way-Raw Wtr Trans     | Supply/Raw Water               | \$233,289              |
| Land - Terminal Reservoirs      | Supply/Raw Water               | \$24,383,749           |
| Land - Water Treatment          | Water Treatment Plants         | \$3,439,560            |
| Land - Reclamation              | Recycled Water                 | \$2,174,793            |
| Land - Distribution             | Reservoir                      | \$7,768,113            |
| Rights of Way - Distribution    | Technical Support              | \$1,890,115            |
| Land Distribution Pumping       | Technical Support              | \$17,164,349           |
| Land Distribution Reservoir     | Technical Support              | \$3,872,216            |
| Deferred Software costs         | Technical Support              | \$13,989,645           |
| Deferred Wtr Conservation Csts  | Supplemental Supply Facilities | \$4,919,748            |
| Deferred Wtr Sply Mgmt Csts     | Supplemental Supply Facilities | \$3,009,943            |
| CVP Contract Water Rights       | Supplemental Supply Facilities | \$4,409,509            |
| Regulatory Compliance           | Technical Support              | \$1,375,799            |
| EB Watershed Master Plan costs  | Technical Support              | \$3,543,879            |
| Deffered Lab Expansion costs    | Technical Support              | \$2,876,935            |
| Prel Engineer & Envir Studies   | Technical Support              | \$3,106,130            |
| Freeport Regional Water Project | Supplemental Supply Facilities | \$383,002,561          |
| <b>Total</b>                    |                                | <b>\$4,543,172,899</b> |

# Allocation of Capital Improvement Program (CIP) to System Functions

Table A3

| Award   | Allocation Basis/Factor        | 5-Year Total           |
|---|--------------------------------|------------------------|
| 7000003-Pipeline Rebuild                        | Distribution Pipelines         | \$596,964,878          |
| 7000006-Pipeline Relocations                    | Distribution Pipelines         | \$40,940,891           |
| 7000012-East Bay Watershed Mgmt                 | Supply/Raw Water               | \$7,183,830            |
| 7000017-Open Cut Reservoir Program              | Reservoir                      | \$91,621,684           |
| 7000021-Distrib Sys Wtr Quality Imprv           | Supply/Raw Water               | \$395,666              |
| 7000024-Pipeline System Improvements            | Distribution Pipelines         | \$541,373              |
| 7000029-Op/Net Sys Improvements                 | Supply/Raw Water               | \$6,525,984            |
| 7000030-Distr Sys Cathodic Protection           | Distribution Pipelines         | \$12,868,783           |
| 7000031-Reservoir Rehab/Maintenance             | Reservoir                      | \$59,753,431           |
| 7000033-Pumping Plant Rehabilitation*           | Elevation                      | \$77,143,000           |
| 7000033-Pumping Plant Rehabilitation- Non Elev* | Reservoir                      | \$58,300,549           |
| 7000034-Reservoir Tower Modifications           | Supply/Raw Water               | \$20,059,653           |
| 7000035-East Bayshore                           | Recycled Water                 | \$15,473,860           |
| 7000036-DERWA                                   | Recycled Water                 | \$1,557,752            |
| 7000041-Service Lateral Replacements            | Service Laterals & Meters      | \$77,924,841           |
| 7000042-Trench Soils Management                 | Distribution Pipelines         | \$55,549,706           |
| 7000043-Aqueduct Cathodic Protection            | Supply/Raw Water               | \$1,998,725            |
| 7000045-Raw Wtr Aqueduct Imprvmts               | Supply/Raw Water               | \$3,512,568            |
| 7000055-Trans Main Cathodic Protection          | Supply/Raw Water               | \$2,340,358            |
| 7000061-Raw Water Infrastructure                | Supply/Raw Water               | \$49,671,763           |
| 7000065-Pressure Zone Improvements              | Reservoir                      | \$4,556,266            |
| 7000067-GroundWaterResourceDevelopment          | Supplemental Supply Facilities | \$4,695,838            |
| 7000068-Dam Operational Upgrades                | Supply/Raw Water               | \$11,615,921           |
| 7000070-River and Watershed                     | Supply/Raw Water               | \$1,128,314            |
| 7000071-San Ramon Valley RW                     | Recycled Water                 | \$30,493,545           |
| 7000074-Upcountry WW Trmt Imprvmts              | Supply/Raw Water               | \$5,878,209            |
| 7000085-Security Improvements                   | Technical Support              | \$20,610,120           |
| 7000089-Rate Control Station Rehab              | Water Treatment Plants         | \$3,997,657            |
| 7000090-Treatment Plant Upgrades                | Water Treatment Plants         | \$476,742,336          |
| 7000117-Powerhouse Improvements                 | Supply/Raw Water               | \$12,722,608           |
| 7000126-Building Facilities Improve             | Technical Support              | \$71,381,646           |
| 7000131-Dam Seismic Upgrades                    | Supply/Raw Water               | \$3,321,470            |
| 7000155-Mokelumne Aqueducts Recoating           | Supply/Raw Water               | \$14,988,644           |
| 7000164-Annual Appurtenance Work                | Distribution Pipelines         | \$9,145,171            |
| 7000165-Planned Meter Replacements              | Service Laterals & Meters      | \$32,810,459           |
| 7000167-Dam Surveillance Improvements           | Supply/Raw Water               | \$3,222,520            |
| 7000185-Mok Aqueduct No 2 & 3 Relining          | Supply/Raw Water               | \$75,963,009           |
| 7000215-Distribution System Upgrades            | Distribution Pipelines         | \$4,307,637            |
| 7000223-Regulator Rehabilitation                | Distribution Pipelines         | \$11,141,026           |
| 7000224-West of Hills Master Plan               | Water Treatment Plants         | \$3,052,746            |
| 7000225-Wtr Supply Monitoring System            | Supply/Raw Water               | \$1,850,978            |
| 7000240-Moke River Hatchery                     | Supply/Raw Water               | \$9,789,065            |
| 7000254-Large Diameter Pipelines                | Supply/Raw Water               | \$45,431,574           |
| 7000263-Lafayette Rec Infrastructure            | Supply/Raw Water               | \$2,967,430            |
| 7000271-Miscellaneous Planning Studies          | Technical Support              | \$2,830,171            |
| 7000273-Enhanced Power Revenue                  | Supply/Raw Water               | \$665,754              |
| 7000289-San Pablo Rec Infrastructure            | Supply/Raw Water               | \$3,069,470            |
| 7000299-Pardee Ctr Cap Maint & Imprvmt          | Supply/Raw Water               | \$9,484,666            |
| 7000300-Rec Area Cap Maint & Imprvmt            | Supply/Raw Water               | \$11,731,934           |
| 7000305-Small Capital Improvements              | Supply/Raw Water               | \$18,045,753           |
| 7000314-SGMA Compliance                         | Supplemental Supply Facilities | \$1,308,224            |
| 7000315-North Richmond Water Recycling Plant    | Recycled Water                 | \$10,432,679           |
| 7000319-Chloramine Boosting Stations            | Supply/Raw Water               | \$813,700              |
| 7000323-Reservoir Mixing System                 | Reservoir                      | \$337,751              |
| 7000325-Water Loss Control                      | Supply/Raw Water               | \$25,865,554           |
| 7000326-Facility Paving                         | Supply/Raw Water               | \$9,979,848            |
| 7100001-Delta Tunnel                            | Supply/Raw Water               | \$4,775,441            |
| 7100002-Facilities Cathodic Protection          | Technical Support              | \$2,403,939            |
| 7100004-Camanche Hills Hunting Preserv          | Supply/Raw Water               | \$1,125,509            |
| 7100007-Water Rights, Licenses & Plans          | Supply/Raw Water               | \$20,565,627           |
| 71000XX-Raw Water Facilities                    | Supply/Raw Water               | \$19,227,382           |
| 71000XX-HRIS & Information Technology           | Technical Support              | \$55,524,959           |
| <b>Total</b>                                    |                                | <b>\$2,240,331,842</b> |

\* Capital Award 7000033 is separated into two project categories to allocate projects associated with providing reliability and redundancy to the Reservoir system function.

## **Appendix B: Development of Factor for Allocating Water Treatment Plants System Function Costs to the Base and Treatment Peaking Service Components**

The District owns and operates six water treatment plants. The individual service areas for the water treatment plants overlap, and the District operates the six plants as one treatment system. For example, if one treatment plant is temporarily offline due to maintenance, the District increases production at its other treatment plants. As a whole, the District's treatment system must be able to meet peak demands. To meet peak demands, the District incurs additional costs beyond those for average demands, as treatment facilities must be built and maintained at larger capacities to accommodate peak usage rather than just average usage.

After evaluating water treatment plant production data from FY 2018 to FY 2024, FY 2024 (the Test Year) has been found to be representative of a typical year of customer demands. In the Test Year, the average rate of production of the treatment system was 151.7 MGD and the maximum rate of monthly production for the treatment system was 193.8 MGD (average production in August of the Test Year). As such, the average production is 78% of the production during the maximum month. This calculation is used to allocate costs in the Water Treatment Plants system function to the Base service component (78% of Water Treatment Plants system function costs) and the Treatment Peaking service component (22% of Water Treatment Plants system function costs).



## **Appendix C: Allocation of System Function Costs to Public and Private Fire Protection Service Components**

While the primary function of the District's distribution system is to serve potable water, it also provides fire protection benefits via public fire hydrants and private fire services.<sup>1</sup> Fire protection costs consist of:

- Installing, operating and maintaining public fire hydrants;
- Operating and maintaining private fire services (meters and service laterals); and
- Providing additional capacity in the distribution system pipelines and distribution reservoirs to accommodate the flows/pressures that are required for firefighting above and beyond the flow/pressures needed for potable water supply.

For the purposes of the Study, fire protection costs are separated into the Public Fire Protection service component (to be recovered via rates paid by water system customer accounts), and Private Fire Protection service component (to be recovered via rates paid by private fire service accounts).

### **Allocation of the Hydrants System Function to the Public Fire Protection Service Component**

The District owns and maintains approximately 31,000 fire hydrants throughout its water service area. The sole function of fire hydrants is to provide public fire protection services. As such, 100% of the Hydrants system function costs are allocated to the Public Fire Protection service component.

### **Allocation of the Service Laterals & Meters System Function to the Private Fire Protection Service Component and Service Laterals & Meters Service Component**

District costs associated with private fire services consist of maintenance of private fire meters, associated service laterals, and related appurtenances (e.g., check valves). The District's internal cost accounting does not segregate these costs between potable water services and private fire services. To allocate the proportion of meter/service lateral maintenance costs associated with private fire services, the proportion of private fire services meter equivalent units of the total system-wide meter equivalent units has been calculated.

As discussed in the body of the Study (see Section 4.2), the private fire service connections represent 266,408 fire meter equivalent units (FMEU), while water meters represent 484,675 meter equivalent units

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<sup>1</sup> A private fire service is a water service connection provided under written agreement for the sole use of fire protection to a premise. A private fire service for a premise is separate from that premise's potable water service (uses a different service lateral connection to the water main) and may serve fire sprinklers, private fire hydrants, or other private fire suppression infrastructure downstream of the private fire service meter.



(MEUs). As such, the FMEUs represent 35.5% of the total 751,083 MEUs. Fire service connections, however, generally require less maintenance than potable water service meters or service laterals. To account for this, the costs associated with FMEUs are allocated 85% of the costs associated with other MEUs. These proportions are used to allocate costs in the Service Laterals & Meters system function service component as follows: 30.1% (35.5% multiplied by 85%) to the Private Fire Protection service component and 69.9% to the Service Laterals & Meters service component.

### **Allocation of Distribution Pipelines System Function Costs to the Public Fire Protection Service Component and to the Private Fire Protection Service Component**

The District owns and maintains approximately 4,200 miles of distribution system pipelines, with approximately 3,700 miles being smaller (12 inches in diameter or less) pipelines that move water at the neighborhood-level and connect to service laterals and fire hydrants, and approximately 500 miles of larger pipelines (greater than 12 inches in diameter) that function primarily as regional transmission pipelines and do not connect to service laterals or fire hydrants.

As detailed in the District's *Engineering Standard Practice 492.1 Planning Criteria for Distribution Water Mains* (Attachment 2), distribution system pipelines are designed to accommodate fire flows/pressures. For pipelines with diameters of 12 inches or less, fire flows generally are the determining factor for the installed size of the pipe (i.e. the pipe would be smaller if its sole purpose was to deliver potable water). For pipelines with diameters larger than 12 inches, however, regional transmission needs generally dominate the sizing of the pipe, while also allowing for sufficient flow/pressure at downstream pipes/hydrants to satisfy fire protection design criteria.

Table C 1 shows calculations for allocating the Distribution Pipelines system function costs attributable to fire protection. As shown in Table C 1, the estimated replacement cost of the District's distribution system, including all pipes sizes, is approximately \$13.4 billion. To determine the costs associated with "upsizing" pipelines to accommodate fire flows/pressures, the value of the distribution system has been recalculated assuming existing 6-inch/8-inch distribution pipelines would be sized 4-inch and 10-inch/12-inch distribution pipelines would be sized 6-inch if fire protection had not been accounted for in pipe sizing based on District experience with pipe design and hydraulic modeling. With this reduced sizing, the replacement cost of the distribution system is estimated at \$11.7 billion or 87% of the value of the existing distribution system. Therefore, distribution pipeline costs that can be attributable to Public Fire Protection and Private Fire Protection is 13% of total distribution pipeline costs. Distribution system reservoirs are designed to serve the needs of downstream pipelines, including the extent to which those pipelines are designed to provide for fire protection. As such, the allocation of 13% of distribution system costs discussed above is also applied to distribution reservoirs costs.

Allocation of these costs between Public Fire Protection and Private Fire Protection is discussed in the next section, below.



**Table C 1: Proportion of Distribution System Costs Attributable to Sizing for Fire Flows**

| <b>Pipe Diameter (inches)</b> | <b>Length of Pipe (ft) - Existing System</b> | <b>Length of Pipe (ft) - Without Sizing for Fire</b> | <b>Estimated cost per foot (\$/ft)</b> | <b>Total Replacement Cost - Existing System</b> | <b>Total Replacement Cost - Without Sizing for Fire</b> |
|-------------------------------|--|--|--|---|---|
| 0.75                          | 647  | 647  | \$410                                  | \$265,560                                       | \$265,560   |
| 1                             | 3,173  | 3,173  | \$418                                  | \$1,325,775                                     | \$1,325,775   |
| 1.5                           | 443  | 443  | \$433                                  | \$191,639                                       | \$191,639   |
| 2                             | 89,921                                       | 89,921   | \$447                                  | \$40,226,923                                    | \$40,226,923  |
| 3                             | 3,290  | 3,290  | \$477                                  | \$1,568,958                                     | \$1,568,958   |
| 4                             | 1,403,341                                    | 16,584,656   | \$506                                  | \$710,673,065                                   | \$8,398,720,133   |
| 6                             | 9,039,426                                    | 2,822,018  | \$565                                  | \$5,111,539,570                                 | \$1,595,771,311   |
| 8                             | 6,141,889                                    | -  | \$625                                  | \$3,835,783,508                                 | \$0   |
| 10                            | 187,488                                      | -  | \$684                                  | \$128,163,967                                   | \$0   |
| 12                            | 2,634,530                                    | -  | \$743                                  | \$1,956,511,336                                 | \$0   |
| 14                            | 4,119  | 4,119  | \$449                                  | \$1,850,105                                     | \$1,850,105   |
| 16                            | 856,279                                      | 856,279  | \$464                                  | \$396,999,109                                   | \$396,999,109   |
| 18                            | 7,577  | 7,577  | \$480                                  | \$3,637,197                                     | \$3,637,197   |
| 20                            | 393,794                                      | 393,794  | \$498                                  | \$196,250,794                                   | \$196,250,794   |
| 22                            | 162  | 162  | \$519                                  | \$84,016  | \$84,016  |
| 24                            | 399,582                                      | 399,582  | \$541                                  | \$216,094,775                                   | \$216,094,775   |
| 25                            | 2,583  | 2,583  | \$553                                  | \$1,427,414                                     | \$1,427,414   |
| 30                            | 195,348                                      | 195,348  | \$619                                  | \$120,907,885                                   | \$120,907,885   |
| 32                            | 31   | 31   | \$649                                  | \$20,114  | \$20,114  |
| 36                            | 350,051                                      | 350,051  | \$714                                  | \$250,087,895                                   | \$250,087,895   |
| 42                            | 91,582                                       | 91,582   | \$827                                  | \$75,765,118                                    | \$75,765,118  |
| 48                            | 209,662                                      | 209,662  | \$958                                  | \$200,754,651                                   | \$200,754,651   |
| 54                            | 43,458                                       | 43,458   | \$1,105                                | \$48,025,511                                    | \$48,025,511  |
| 60                            | 13,876                                       | 13,876   | \$1,270                                | \$17,623,226                                    | \$17,623,226  |
| 66                            | 35,353                                       | 35,353   | \$1,452                                | \$51,345,391                                    | \$51,345,391  |
| 69                            | 24,256                                       | 24,256   | \$1,550                                | \$37,597,535                                    | \$37,597,535  |
| 72                            | 680  | 680  | \$1,652                                | \$1,123,386                                     | \$1,123,386   |
| 78                            | 1,041  | 1,041  | \$1,869                                | \$1,945,709                                     | \$1,945,709   |
| 84                            | 9,623  | 9,623  | \$2,103                                | \$20,241,769                                    | \$20,241,769  |
| 90                            | 761  | 761  | \$2,355                                | \$1,792,340                                     | \$1,792,340   |
| 96                            | 1,265  | 1,265  | \$2,624                                | \$3,319,828                                     | \$3,319,828   |
| 108                           | 313  | 313  | \$3,215                                | \$1,006,206                                     | \$1,006,206   |
| <b>Total</b>                  | <b>22,145,544</b>                            | <b>22,145,544</b>                                    |  | <b>\$13,434,150,274</b>                         | <b>\$11,685,970,272</b>                                 |



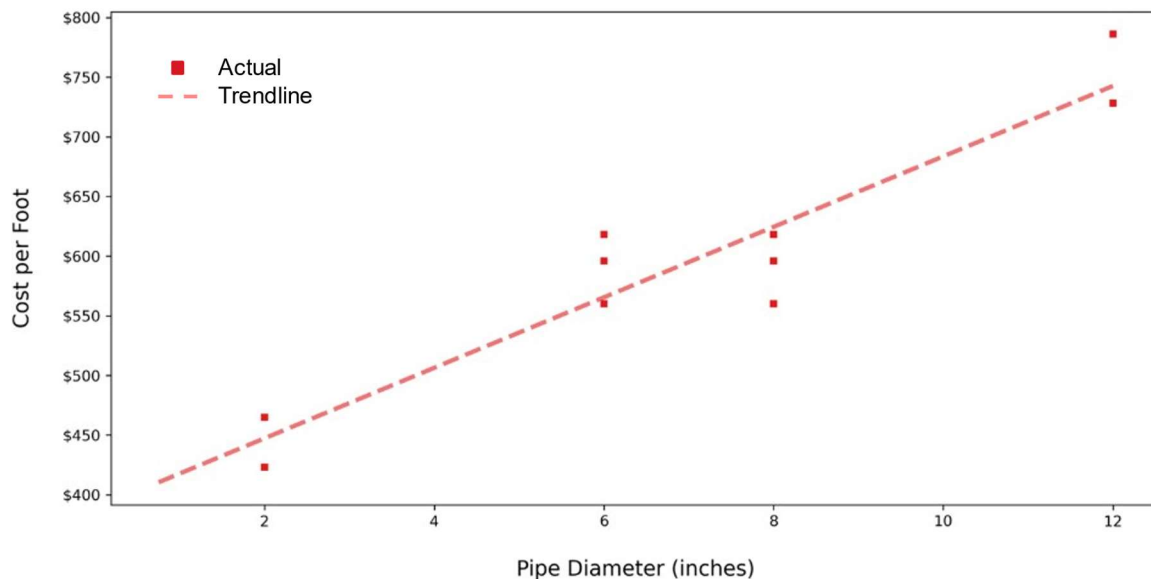
**Cost difference between distribution system with and without design for fire flow      \$      1,748,180,002**

**Proportion of Distribution System Costs Attributable to Sizing for Fire Flows      13.0%**

Notes

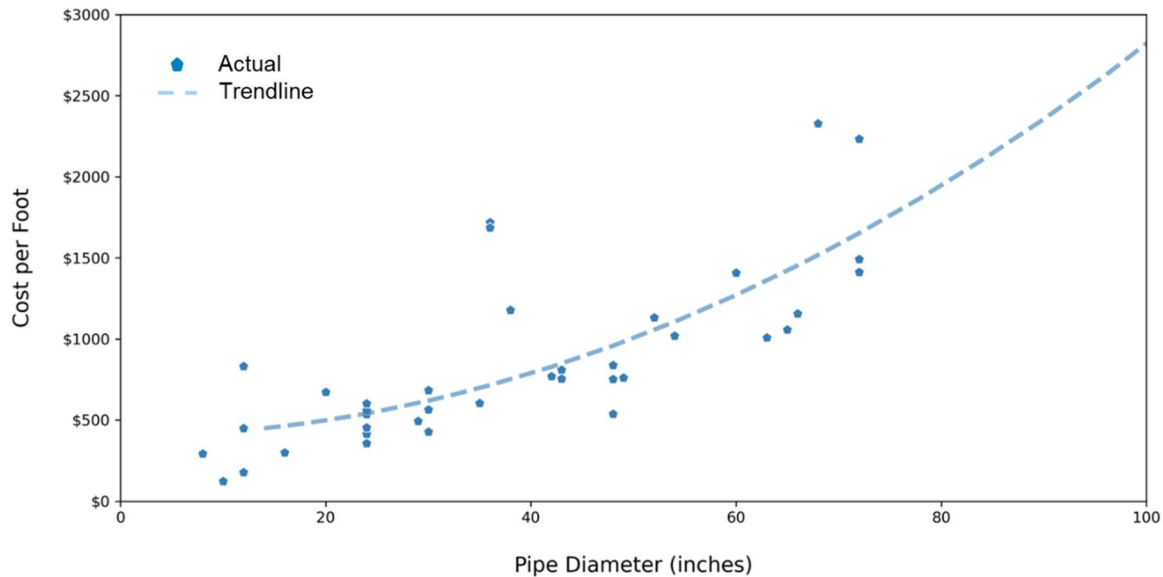
1. Pipe sizes shown in gray remain unchanged from existing in this allocation of the proportion of distribution system costs attributable to sizing for fire.
2. Lengths of pipe sized 0.75 to 3 inches remain unchanged because these small pipes do not serve hydrants or private fire services.
3. Lengths of pipe sized greater than 12 inches remain unchanged because these large pipes are designed primarily for regional transmission.
4. Existing 6-inch/8-inch pipes are assumed to be 4-inch in a system not designed to accommodate fire flows.
5. Existing 10-inch pipes are assumed to be 6-inch in a system not designed to accommodate fire flows.
6. See discussion below regarding pipeline cost per foot.

Costs per foot for pipes with diameters less than or equal to 12 inches are based on the District's FY 2024 Schedule G - Water Main Extension Charges. Figure C 1 plots Schedule G charges and shows the linear line-of-best-fit upon which the costs above are based. Costs for pipes with diameters greater than 12 inches are shown in Figure C 2 and are based on as-built costs from District distribution system projects completed by contractors. The line-of-best-fit for costs for pipelines greater than 12 inches is based on a regression analysis of the relationship between pipe cross sectional area and the \$/ft cost. Pipes with diameters less than or equal to 12 inches are generally installed by District staff whereas pipes with diameters greater than 12 inches are generally installed by contractors.



**Figure C 1: Replacement Unit Costs per Foot for Pipelines 12 Inches in Diameter and Less**





**Figure C 2: Replacement Unit Costs per Foot for Pipelines Greater than 12 Inches in Diameter**

The distribution system pipelines and reservoirs serve both the fire hydrants and the private fire services. To allocate pipeline and reservoir costs between the Public Fire Protection and Private Fire Protection service components, the flow potentials of the hydrants and the private fire services have been calculated as discussed in Table C 2 below. Flow potential is represented by a demand factor that represents the relative potential demand of each size of a fire service connection during a fire event. The relative flow potential of hydrants constitutes 80.1% of total fire protection relative flow potential from both hydrants and private fire services.





**Table C 2: Public and Private Fire Protection Allocation**

| <b>Item</b>  | <b>Number of Connections</b> | <b>Demand Factor<sup>1</sup></b> | <b>Relative Flow Potential</b> |
|--|------------------------------|----------------------------------|--------------------------------|
| <b>Private Fire Services<sup>2</sup></b>                             |                              |                                  |                                |
| 1 inch   | 4                            | 1.00                             | 4                              |
| 1.5 inch   | 278                          | 2.90                             | 808                            |
| 2 inch   | 504                          | 6.19                             | 3,120                          |
| 3 inch   | 4                            | 17.98                            | 72                             |
| 4 inch   | 2,205                        | 38.32                            | 84,494                         |
| 6 inch   | 2,554                        | 111.31                           | 284,288                        |
| 8 inch   | 1,617                        | 237.21                           | 383,563                        |
| 10 inch  | 195                          | 426.58                           | 83,183                         |
| 12 inch  | 22                           | 689.04                           | 15,159                         |
| 14 inch  | -                            | 1,033.51                         | -                              |
| 16 inch  | 1                            | 1,468.37                         | 1,468                          |
| 18 inch  | -                            | 2,001.55                         | -                              |
| <b>Total Private Fire Services</b>                                   | <b>7,384</b>                 |                                  | <b>856,159</b>                 |
| <b>Hydrants</b>  |                              |                                  |                                |
| <b>6 inch</b>  | <b>30,888</b>                | <b>111.31</b>                    | <b>3,438,172</b>               |
| <b>Percent of relative flow potential from hydrants</b>              |                              |                                  | <b>80.1%</b>                   |
| <b>Percent of relative flow potential from private fire services</b> |                              |                                  | <b>19.9%</b>                   |

1. Relative flow potential is calculated using the Hazen-Williams equation.
2. 1-inch is the smallest private fire service within the District's service area.

As described above, 13% of the Distribution system function costs are allocated to fire protection. Applying the resulting percentages from Table C 2 to the 13% of Distribution system function costs results in a 10% allocation of Distribution Pipelines system function costs to the Public Fire Protection service component and a 3% allocation of Distribution Pipelines system function costs to the Private Fire Protection service component.



## Appendix D: Allocation of Recycled Water Function Costs to the Retail Recycled Water and Supplemental Supply Service Components

The District's recycled water program is a water reliability program benefitting potable water users. Specifically, supplying recycled water to customers who do not require potable water service displaces the demand for potable water supplies and makes those supplies available to potable water customers. Additionally, the use of recycled water directly decreases the frequency of water shortages and increases the availability of potable water during a water shortage when additional supplemental supplies are either not available or are available at significantly greater cost. Because potable water customers directly benefit from the recycled water program and avoid costs of developing new, or acquiring supplemental, potable water supplies, they share in a portion of the costs of this program.

Table D 1 shows the total costs allocated to the Recycled Water system function and the avoided costs of acquiring supplemental potable water supplies that are effectively credited to the total recycled water cost of service. This credit is based on the volume of recycled water produced and the unit cost of procuring supplemental supply. The credited costs are equal to the cost of acquiring an additional 6,538 acre feet (AF)<sup>1</sup> of water (i.e., the total volume of recycled water produced in the Test Year) at \$825.59 per AF (i.e., the estimated cost of producing supplemental water supply).<sup>2</sup>

Table D 1 shows the total recycled water costs of \$7,747,906 is offset by the cost credit of \$5,397,522. The \$5,397,522 cost is allocated to the Supplemental Supply Facilities service component.

**Table D 1: Recycled Water Cost Allocation to Supplemental Supply**

|  | Test Year   |
|--|-------------|
| Recycled Water system function costs after non-rate revenue offsets                                    | \$7,747,906 |
| Total recycled water production (AF)   | 6,538       |
| Cost of transfer water (\$/AF)   | \$825.59    |
| Recycled Water system function cost credit   | \$5,397,522 |
| Percent of Recycled Water system function costs allocated to the Supplemental Supply service component | 69.7%       |

<sup>1</sup> 6,538 AF equals 2,847,854 CCF.

<sup>2</sup> The estimated cost of producing supplemental water supply is calculated by using the purchase price of transfer water (\$485.94/AF), plus additional operating costs for transferring water through the Freeport Regional Water Facility and associated infrastructure consistent with District's experience with water transfers since 2014 (\$259.50/AF), plus additional operating costs associated with the increased use of the District's conventional water treatment plants preferentially over the in-line water treatment plants due to lower water quality of transfer water versus water from the Mokelumne supply (\$80.15). The estimated purchase price of transfer water (\$485.94/AF) is calculated by using the price the District paid to the Contra Costa Water District for water transfers in 2021 (\$432/AF) inflated by 4% per year (resulting in \$485.94/AF).



## Appendix E: Calculation of Unit Costs by Customer Class and Tier for the Treatment Peaking Service Component

As discussed in Appendix B, \$20,182,025 is allocated to the Treatment Peaking service component. The costs associated with the Treatment Peaking service component are recovered in each customer class/tier in proportion to the amount of usage that occurs in each customer class/tier during the month in which the maximum usage occurs. During the Test Year, peak monthly treatment system water production occurred in August (see Appendix B). All customer classes/tiers exhibited peak consumption over the same period.

Billing data provided by the District from the Test Year has been used to calculate the maximum month consumption for each customer class and each tier within the SFR customer class. As the majority of District customers are billed on a bi-monthly basis, bi-monthly data has been converted into monthly demand trends by following the District's normalization algorithms. An overview of this normalization process is outlined below:<sup>1</sup>

1. Convert total usage for each billing period into daily usage by dividing the total billed usage by the number of days in the billing period;
2. Distribute the daily usage into each month of the individual bill's billing period by multiplying the daily usage from the prior step by the number of days in each billing period that fall within the month;
3. Apply a Seasonal Index (SI) to the use that falls within each month from each billing period, effectively applying different weights to the proportion of the usage in each month;
4. Divide the SI-adjusted use in each month by the weighted average of the SI values for each month in the billing period, with the number of days in each month falling within the billing period serving as the weights in the weighted average; and
5. Calculate the total normalized monthly usage for each customer by summing the SI-adjusted use from each bill over each month of the year.

Table E 1 displays the Test Year consumption, the average monthly consumption (calculated as annual consumption divided by twelve), and consumption during the peak month. Table E 1 also shows calculated values for peaking consumption (consumption during the peak month minus average monthly consumption), and the percent of peaking consumption represented by each customer class/tier.

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<sup>1</sup> A detailed explanation of the monthly normalization process is discussed in Attachment 4, and examples of the calculation process are provided in Attachment 5.



**Table E 1: Percent of Peaking Consumption by Customer Class and Tier**

| <b>Customer Class and Tier</b> | <b>Test Year consumption (CCF/year)</b> | <b>Average monthly consumption (CCF/month)</b> | <b>Consumption during peak month (CCF/month)</b> | <b>Peaking Consumption (CCF/month)</b> | <b>Percent of Peaking Consumption</b> |
|--------------------------------|---|--|--|--|---------------------------------------|
| SFR Tier 1                     | 19,076,989                              | 1,589,749                                      | 1,973,678  | 383,929                                | 16%                                   |
| SFR Tier 2                     | 6,311,273                               | 525,939  | 931,822  | 405,882                                | 16%                                   |
| SFR Tier 3                     | 4,366,292                               | 363,858  | 963,001  | 599,144                                | 24%                                   |
| MFR                            | 12,797,782                              | 1,066,482                                      | 1,285,885  | 219,403                                | 9%                                    |
| All Other                      | 21,746,368                              | 1,812,197                                      | 2,671,519  | 859,321                                | 35%                                   |
| <b>Total</b>                   | <b>64,298,704</b>                       | <b>5,358,225</b>                               | <b>7,825,905</b>                                 | <b>2,467,679</b>                       | <b>100%</b>                           |

As shown in Table E 2, these percentages are then used to apportion the \$20,182,025 in Treatment Peaking service component cost among the customer classes/tiers. To arrive at a unit cost (\$/CCF), the cost allocation for each customer class/tier is divided by the annual usage in that customer class/tier. In this way, the costs for the Treatment Peaking service component are proportionally allocated.

**Table E 2: Treatment Peaking Unit Costs**

| <b>Customer Class and Tier</b> | <b>Test Year consumption (CCF/year)</b> | <b>Percent of Consumption During Peak Month</b> | <b>Treatment Peaking Service Component Cost Allocation</b> | <b>Unit Cost (\$/CCF)</b> |
|--------------------------------|---|---|--|---------------------------|
| SFR Tier 1                     | 19,076,989                              | 16%   | \$3,139,978  | <b>\$0.16</b>             |
| SFR Tier 2                     | 6,311,273                               | 16%   | \$3,319,526  | <b>\$0.53</b>             |
| SFR Tier 3                     | 4,366,292                               | 24%   | \$4,900,124  | <b>\$1.12</b>             |
| MFR                            | 12,797,782                              | 9%  | \$1,794,398  | <b>\$0.14</b>             |
| All Other                      | 21,746,368                              | 35%   | \$7,027,998  | <b>\$0.32</b>             |
| <b>Total</b>                   | <b>64,298,704</b>                       | <b>100%</b>                                     | <b>\$20,182,025</b>  |                           |



## Appendix F: Calculation of Unit Costs for the Supplemental Supply Service Component

The District's water supply primarily comes from the Mokelumne River, a supply for which the District holds water rights. The District's supplemental supply facilities allow the District to provide additional water to meet customer demands above and beyond what may be available from its primary Mokelumne River supply. The Supplemental Supply Facilities service component costs (\$24,578,990) for the Test Year are as follows:

- Maintenance and administration of the Freeport Regional Water Facility.
- Debt service associated with the Freeport Regional Water Facility.
- Development of new supplemental supply projects.
- Recycled Water system function costs allocated to the Supplemental Supply Facilities service component. (See Appendix D.)

These costs occur year-over-year, regardless of drought status.<sup>1</sup>

Each customer class's proportion of Test Year consumption is used to allocate the \$24,578,990 in Supplemental Supply Facilities service component costs among the customer classes as shown in Table F 1.

**Table F 1: Allocation of Supplemental Supply Facilities Service Component Costs to Customer Classes**

| Customer Class | Test Year Consumption (CCF) | Percent of Test Year Consumption | Allocation of Supplemental Supply Facilities Service Component Costs |
|----------------|-----------------------------|----------------------------------|--|
| All Other      | 21,746,368                  | 34%                              | \$8,312,823  |
| MFR            | 12,797,782                  | 20%                              | \$4,892,114  |
| SFR            | 29,754,554                  | 46%                              | \$11,374,053   |
| <b>Total</b>   | <b>64,298,704</b>           | <b>100%</b>                      | <b>\$24,578,990</b>  |

For the All Other and MFR customer classes, the allocations of the Supplemental Supply Facilities service component are divided by the total consumption by that customer class to calculate a unit cost: the allocation to the All Other Customer Class is \$0.38/CCF (\$8,312,823 divided by 21,746,368 CCF); the allocation to the MFR customer class is also \$0.38/CCF (\$4,892,114 divided by 12,797,782 CCF). As

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<sup>1</sup> Supplemental Supply Facilities service component costs do not include the additional costs to purchase water during drought or other drought costs. See Section 5 in the body of the Study for a discussion of costs incurred by the District during a drought and the drought surcharge.



discussed in Section 4.1 of the body of the Study, volumetric charges for the All Other and MFR customer classes are not tiered based on use.

As the Supplemental Supply Facilities help ensure a reliable water supply to accommodate higher marginal water sales, the Supplemental Supply Facilities costs are allocated among the tiers within the SFR customer class. Analyzing the flow capacities of the supply facilities provides the appropriate way to allocate the \$11,374,053 in Supplemental Supply Facilities costs attributable to the SFR customer class among the tiers. Table F 2 shows the flow capacities in million gallons per day (MGD) for the Freeport Regional Water Facility (supplemental supply), the recycled water facilities (supplemental supply), and the Mokelumne Aqueducts (primary/main supply).

**Table F 2: Flow Capacity of Primary and Supplemental Supply Facilities**

| <b>Facility</b>                  | <b>Type of Supply</b> | <b>Flow Capacity (MGD)</b> |
|----------------------------------|-----------------------|----------------------------|
| Freeport Regional Water Facility | Supplemental          | 100 <sup>1</sup>           |
| Recycled Water Facilities        | Supplemental          | 5.8 <sup>2</sup>           |
| Mokelumne Aqueducts              | Primary               | 325 <sup>3</sup>           |
| <b>Total Capacity (MGD)</b>      |                       | <b>430.8</b>               |
| <b>% Primary</b>                 |                       | <b>75.4%</b>               |
| <b>% Supplemental</b>            |                       | <b>24.6%</b>               |

1. Per the Joint Exercise of Powers Agreement between the District and the Sacramento County Water Authority dated February 13, 2002, the District's dedicated share of the Freeport Regional Water Facility capacity is 100 MGD.
2. Capacity of recycled water facilities is equivalent to the Test Year recycled water consumption of retail and contract recycled water customers as recycled water functions as a potable offset/supplemental supply to the extent that the recycled water customers can use this restricted-use water supply.
3. As outlined in the Permit 10478 Time Extension Project Draft Environmental Impact Report dated September 2013, the District has the water rights and capacity to divert up to 325 MGD from the Mokelumne River.

As shown in Table F 2, the Supplemental Supply Facilities represent 24.6% of total water supply capacity (105.8 MGD divided by 430.8 MGD). Therefore, the Supplemental Supply Facilities costs are allocated to 24.6% of SFR usage, or 7,309,293 CCF.<sup>2</sup> All SFR customers first purchase Tier 1 water before purchasing Tier 2 water and then Tier 3 water.<sup>3</sup> Because all SFR customers purchase Tier 1 water first before accessing Tier 2 and then Tier 3 water, the costs of supplemental supplies are apportioned sequentially to the tiers beginning with Tier 3.

<sup>2</sup> 7,309,293 CCF is calculated as follows: 105.8 MGD divided by 430.8 MGD and then multiplied by 29,754,554 CCF.

<sup>3</sup> All SFR customer accounts consume in Tier 1. The first 7 CCF/month of consumption for any SFR account is billed at the Tier 1 volumetric rate. Consumption over 7 CCF and less than 16 CCF is billed at the Tier 2 volumetric rate for SFR. Consumption over 16 CCF is billed at the Tier 3 volumetric rate for SFR.



Tier 3 consumption in the Test Year was 4,366,292 CCF, constituting 59.7% of the total SFR consumption allocated to Supplemental Supply Facilities (7,309,293 CCF). The remaining 40.3% equals 2,943,001 CCF, which is less than the Tier 2 Test Year consumption of 6,311,273 CCF. Therefore, the remaining 2,943,001 CCF of usage, after the allocation to Tier 3, is fully allocated to Tier 2. The allocation to Tier 1 is 0 CCF in consumption. This is proportional because Supplemental Supply Facilities are not necessary to ensure a reliable water supply for Tier 1 consumption.<sup>4</sup>

Table F 3 below shows how the \$11,374,053 in Supplemental Supply Facilities service component costs attributable to the SFR customer class are allocated among the tiers based on the proportions described above. Unit costs are then calculated by dividing the cost allocation to each tier by the Test Year consumption in that tier.

**Table F 3: Calculation of Supplemental Supply Facilities Unit Cost for the SFR Customer Class**

| <b>Tier</b>  | <b>Test Year Consumption (CCF)</b> | <b>Allocation %</b> | <b>Allocation of Supplemental Supply Facilities Service Component Costs</b> | <b>Unit Costs (\$/CCF)</b> |
|--------------|------------------------------------|---------------------|---|----------------------------|
| Tier 3       | 4,366,292                          | 59.7%               | \$6,794,424   | \$1.56                     |
| Tier 2       | 6,311,273                          | 40.3%               | \$4,579,629   | \$0.73                     |
| Tier 1       | 19,076,989                         | 0%                  | \$0   | \$0.00                     |
| <b>Total</b> | <b>29,754,554</b>                  | <b>100%</b>         | <b>\$11,374,053</b>   |                            |

<sup>4</sup> The District's *Water Shortage Contingency Plan (WSCP) 2020* (Attachment 6) includes estimates for the volume of Mokelumne Supply available during water shortages (see Attachment 6 at page 8, Table W-3). For the 2025 estimates in the WSCP, the minimum amount of Mokelumne supply estimated to be available is 86 MGD (approximately 42,000,000 CCF). 42,000,000 CCF is greater than total consumption within Tier 1 during the Test Year (19,076,989 CCF).



## Appendix G: Calculation of Unit Costs for the Elevation Service Component

Elevation surcharges recover the costs associated with serving customers in higher elevations. These costs include the operating expenses, capital spending, and debt service related to the District's pumping plants. Total pumping costs based on the hydraulic lift method are used because the pumps at lower elevations also provide the lift to the higher elevations. The District's service area varies from sea level to over 1,300 feet above sea level. The elevation surcharges only recover the costs that are associated with providing service to higher elevations.

Elevation surcharges are calculated based on the pressure zone in which the service connection is located. The water system pressure zones are categorized into elevation zones. The elevation zones are grouped into three Elevation Bands for the purpose of the elevation surcharge. Elevation Band 1 includes the elevation zones 0 and 1 (0 through 200 feet above sea level approximately). Because these elevation zones are served by gravity flow, no pumping is required to provide water service to customers within Elevation Band 1. Accordingly, the District does not incur any Elevation service component costs for customers within Elevation Band 1. Elevation Band 2 includes elevation zones 200 through approximately 600 feet above sea level. These elevation zones require pumping. Elevation Band 3 includes elevation zones above approximately 600 feet above sea level. These elevation zones require considerable pumping. Figure G 1 on the last page of this appendix shows the elevation bands by location.

Table G 1 below shows the consumption within each of elevation zones below and calculates weighted consumption for each zone by multiplying the consumption in each zone by the elevation zone number (e.g. the weighted consumption of 9,129,760 for elevation zone 2 is calculated by multiplying 4,564,880 CCF by 2). The weighted consumption number reflects the linear relationship between elevation and the cost to pump water to that elevation. Water pumped to 300 feet above sea level requires all the expenditures related to pumping water to 200 feet above sea level plus the costs to pump the water the additional 100 feet between 200 feet above sea level and 300 feet above sea level.





**Table G 1: Calculation of Weighted Consumption by Elevation Zone**

| Elevation Band (1, 2, 3) | Elevation Zone <sup>1</sup> | Weighting Factor | Consumption (CCF) | Weighted Consumption |
|--------------------------|-----------------------------|------------------|-------------------|----------------------|
| 1                        | 0                           | 0                | 30,418,606        | 0                    |
| 1                        | 1                           | 1                | 9,509,798         | 0                    |
| 2                        | 2                           | 2                | 4,564,880         | 9,129,760            |
| 2                        | 3                           | 3                | 4,958,259         | 14,874,777           |
| 2                        | 4                           | 4                | 2,672,319         | 10,689,276           |
| 2                        | 5                           | 5                | 7,271,261         | 36,356,305           |
| 2                        | 6                           | 6                | 103,979           | 623,874              |
| 3                        | 7                           | 7                | 2,977,585         | 20,843,095           |
| 3                        | 8                           | 8                | 642,171           | 5,137,368            |
| 3                        | 9                           | 9                | 640,525           | 5,764,725            |
| 3                        | 10                          | 10               | 82,592            | 825,920              |
| 3                        | 11                          | 11               | 366,717           | 4,033,887            |
| 3                        | 13                          | 12               | 89,951            | 1,079,412            |
| <b>Total</b>             |                             |                  | <b>64,298,642</b> | <b>109,358,399</b>   |

The numbers associated with each of the District's elevation zones represent the lower limit of the zone rounded to the nearest 100 feet. For example, elevation zone 2 starts at approximately 200 feet above sea level and stops where elevation zone 3 begins (at roughly 300 feet above sea level). Elevation zone 11 ends at approximately 1,249 feet above sea level and elevation zone 13 starts 1,250 feet above sea level (rounding 1250 to 1300 results in "13" and the skipping of "12").

Table G 2 below sums the consumption and weighted consumption for the twelve elevation zones into the three elevation bands. It then calculates the percentage of the weighted consumption for each band and applies that percentage the Elevation service component cost (\$32,271,452) to calculate the cost allocation to each elevation band. This cost allocation is translated to a unit rate by dividing it by the consumption (unweighted) within each band.

**Table G 2: Calculation of Test Year Elevation Surcharge Unit Costs**

| Elevation Band | Consumption (CCF) | Weighted Consumption | Percent of Weighted Consumption | Allocated Elevation Costs | Unit Cost (\$/CCF) |
|----------------|-------------------|----------------------|---------------------------------|---------------------------|--------------------|
| 1              | 39,928,403        | 0                    | 0%                              | \$0                       | \$0.00             |
| 2              | 19,570,698        | 71,673,992           | 65%                             | \$21,133,474              | \$1.08             |
| 3              | 4,799,541         | 37,774,358           | 35%                             | \$11,137,979              | \$2.32             |
| <b>Total</b>   | <b>64,298,642</b> | <b>109,448,350</b>   | <b>100%</b>                     | <b>\$32,271,452</b>       |                    |



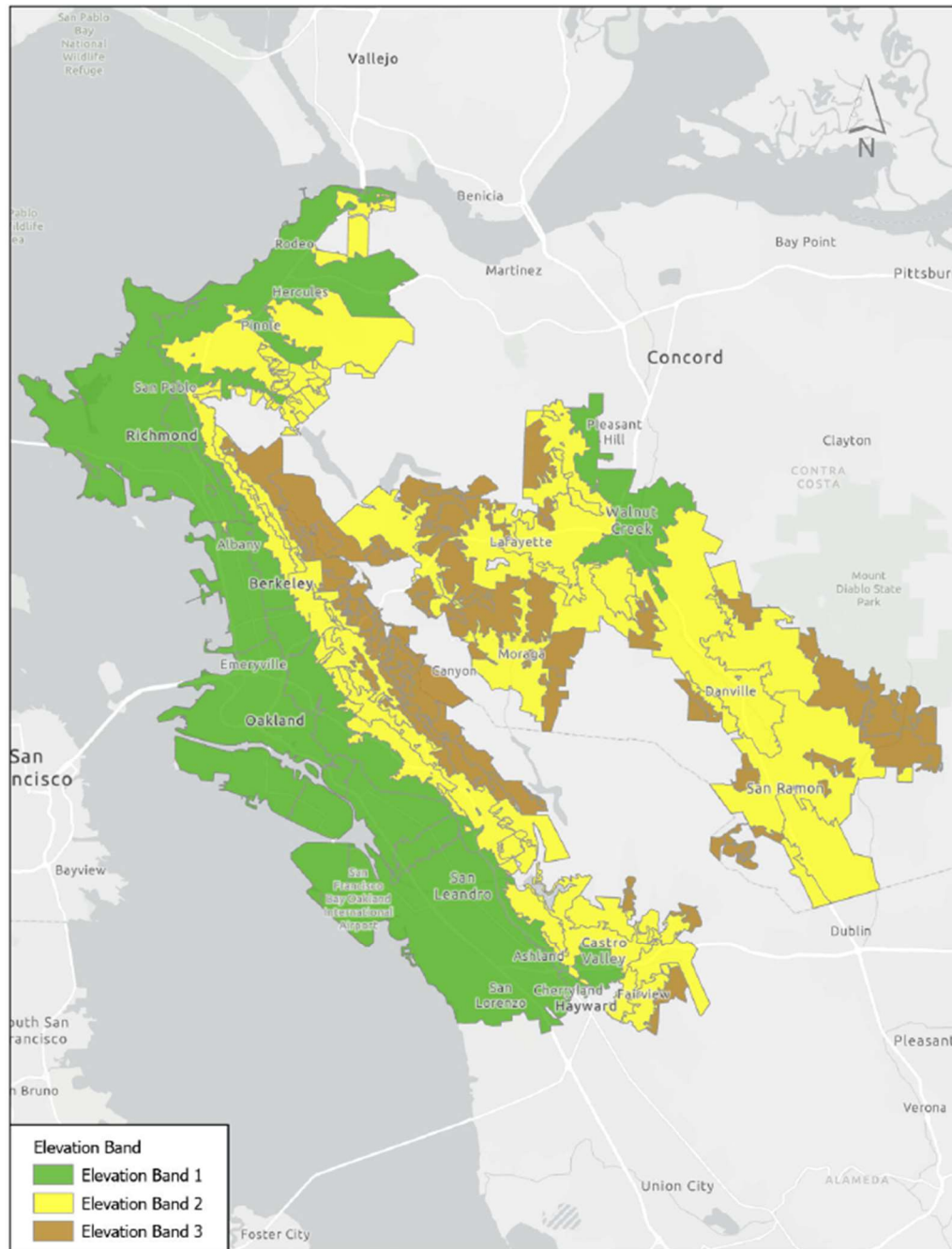


Figure G 1: Elevation Band Location



# **Attachment 1: Memo – Fiscal Years 2026 and 2027 Recommended Revisions to the Water and Wastewater Schedules of Rates and Charges Subject to Proposition 218**




## EAST BAY MUNICIPAL UTILITY DISTRICT

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DATE: March 20, 2025

MEMO TO: Board of Directors

FROM: Clifford C. Chan, General Manager 

SUBJECT: Fiscal Years 2026 and 2027 Recommended Revisions to the Water and Wastewater Schedules of Rates and Charges Subject to Proposition 218

### SUMMARY

The District updates the Water and Wastewater rates and charges biennially in conjunction with the development of its budget. The proposed Fiscal Year (FY) 2026 and FY 2027 rates and charges are designed to cover the expenditures identified in the proposed FY 2026 and FY 2027 Biennial Budget.

To determine the appropriate rates and charges needed to recover its costs, the District engages independent rate consultants to perform cost of service (COS) rate studies for the Water and Wastewater systems. The Water System COS Rate Study is scheduled to be completed in March 2025; the Wastewater System COS Rate Study was completed in May 2019. These studies establish water and wastewater rates and charges to conform to COS principles to allocate operating and capital costs to ratepayers based on the proportional cost of service consistent with California Constitution article XIII D, section 6 (commonly referred to as Proposition 218). The Water System COS Rate Study will be made available on [ebmud.com/rates](http://ebmud.com/rates) once it is completed.

The proposed FY 2026 and FY 2027 budgets address the operating and capital needs of the District for the next two fiscal years. The recommended rates are necessary to:

- Meet the costs of operating and maintaining the Water and Wastewater systems;
- Address impacts of inflationary cost increases;
- Invest in capital infrastructure improvements;
- Maintain financial stability;
- Comply with state-mandated regulatory requirements; and
- Meet annual debt service requirements and comply with debt covenants.

Staff recommends the proposed water and wastewater rates and charges be adopted by the District's Board of Directors. The proposed FY 2026 rates and charges would take effect for services provided on or after July 1, 2025, and the proposed FY 2027 rates and charges would take effect for services provided on or after July 1, 2026.

The recommended average rate increases for the Water System are 6.5 percent for FY 2026 and 6.5 percent for FY 2027. The recommended average rate increases of the Wastewater System are 8.5 percent for FY 2026 and 8.5 percent for FY 2027. The recommended rates will continue to reflect proportional recovery of cost of service for each parcel served by the Water and Wastewater systems. After implementation of these recommended rate increases, a typical (median) single-family residential (SFR) customer using five units<sup>1</sup> of water per month will see an increase of \$3.79 per month in FY 2026 and an increase of \$4.31 per month in FY 2027 in water charges. A SFR wastewater customer using five units of water per month will see an increase of \$2.31 per month in FY 2026 an increase of \$2.50 per month in FY 2027 in wastewater treatment charges. Wastewater customers also pay a Wet Weather Facilities Charge (WWFC) collected on the property tax bill. Depending on lot size, in FY 2026 the WWFC will increase between \$12.52 and \$44.70 per year and in FY 2027 will increase between \$13.58 and \$48.50 per year.

The recommendations in this memo (Memo) cover FY 2026 and 2027 water and wastewater rates and charges subject to Proposition 218. In compliance with Proposition 218, the District plans to hold a public hearing on June 10, 2025 for the Board to consider adoption of the proposed rates and charges. At least 45 days prior to the scheduled public hearing, notices will be mailed to the owners of record of parcels upon which the proposed charges will be imposed. The owner of record of any parcel upon which the water and wastewater rates are proposed for imposition, or a customer of record who is not the property owner (e.g., a tenant), may submit a written protest to one or more proposed rate changes. On March 25, 2025, a draft copy of the Proposition 218 notice will be presented to the Board for review.

The recommended rates and charges discussed herein as well as fees not subject to Proposition 218 (including capacity charges, recreation fees, installation charges, and other one-time fees and charges) will be presented in a report and recommendation from the General Manager at the May 13, 2025 Board meeting.

## **RECOMMENDATIONS**

Recommended updates to Water and Wastewater systems' rates and charges are as follows:

### Water System Rates and Charges

- Implement the rate structure consistent with the 2025 Water System COS Rate Study.
- Increase water rates and charges (meter, volume, elevation surcharge, non-potable/recycled water, and private fire service) by approximately 6.5 percent for FY 2026 and 6.5 percent for FY 2027. These proposed rate changes support the District's

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<sup>1</sup> 1 unit of water = 748 gallons = 1 centum cubic foot (CCF). In the Water system service area, 5 units/month represents the *median* water use. In the wastewater service area, 5 units per month represents *mean* water use.

FY 2026 and FY 2027 operating and capital expenses described in the Proposed Biennial Budget and reflect the results of the 2025 Water System COS Rate Study.

- The impact of these changes to the typical (median) SFR customer (5 units/month) is an increase of \$3.79 per month in FY 2026 and an additional increase of \$4.31 per month in FY 2027.

#### Wastewater System Rates and Charges

- Increase wastewater treatment rates and charges and the WWFC by approximately 8.5 percent overall for FY 2026 and 8.5 percent for FY 2027. These proposed rate changes support the District's proposed FY 2026 and FY 2027 operating and capital expenses described in the Proposed Biennial Budget and reflect the results of the 2019 Wastewater COS rate study.
- For the wastewater treatment charges collected on the bill, the impact to the typical (median) SFR customer (4 units/month) is an increase of \$2.17 per month in FY 2026 and an additional increase of \$2.35 per month in FY 2027.
- For the WWFC collected on the property tax bill, the impact will depend on lot size. In FY 2026 the WWFC will increase between \$12.52 to \$44.70 per year, and in FY 2027 the WWFC will increase between \$13.58 to \$48.50 per year.
- No increase is proposed to the San Francisco Bay Pollution Prevention Fee, which is a fixed monthly charge to fund programs to reduce pollutants in wastewater before it is treated at District facilities and discharged into the San Francisco Bay.

### **DISCUSSION**

#### **Water Rates and Charges**

The District's projected growth in water rate revenue is predominantly based on two factors: changes in rates and projected changes in water consumption. The recommended average annual rate increases are 6.5 percent for FY 2026 and 6.5 percent for FY 2027. The District is projecting water consumption of 143.9 million gallons per day (MGD) in FY 2026 and 144.6 MGD in FY 2027, representing a 0.5 percent annual growth in each year. The average rate increases combined with the assumed consumption levels are projected to generate rate revenue sufficient to cover the expenditures identified in the proposed FY 2026 and FY 2027 Biennial Budget.

#### Water System COS Rate Study

Working with an independent rate consultant, the District has developed a new Water System COS Rate Study. The purpose of a Water System COS Rate Study is to develop a rate structure under which the charges billed to each customer account reflect the cost to serve each parcel and thereby collect the revenue needed by the utility to provide the service. The

Water System COS Rate Study reflects the analysis of conditions during a “Test Year.” FY 2024 was selected as the representative Test Year because it was free from events such as drought, excessive rainfall, pandemic, and other anomalous external factors, and is the most recent complete fiscal year with audited financial information. The Test Year provides a representative set of key factors including operating expenses, capital spending, non-rate revenues, and consumption patterns. The Water System COS Rate Study establishes new rates and charges for the Test Year that, when applied to actual water sales in the Test Year, generate the revenue requirements for that year.

Since the completion of the Test Year (FY 2024), the District increased water rates 8.5 percent beginning on July 1, 2024. The rates established in the 2025 Water System COS Rate Study for the Test Year were increased by the same 8.5 percent to establish a base set of water rates under the Water System COS Rate Study to determine required average rate increases for the following two years, FY 2026 and FY 2027.

#### Water Rate Revenue Requirements for FY 2026 and FY 2027

The FY 2026 and FY 2027 budget objectives, operating budget, capital expenses, and debt expenses are detailed in the Proposed FY 2026 and FY 2027 Biennial Budget and Capital Project Summaries that will be presented to the Board at the March 25, 2025 Budget Workshop No. 2. The proposed operating and capital budgets contribute to the proposed changes to the FY 2026 and FY 2027 water rates and charges in approximately the following proportions:

- Operating – significant increases in expenses such as chemicals, energy, and computer software and licenses, as well as increases in labor and benefits, and additional funded positions drive approximately \$79.4 million in additional required revenue over the two-year period.
- Capital – increases in capital improvement plan and debt service drive approximately \$88.1 million in additional required revenue over the two-year period.

Table 1 shows the calculation of the average annual rate adjustment required over the two-year period between the end of FY 2025 and FY 2027. The overall spending from FY 2025 to FY 2027 is projected to increase by over 28 percent. The District plans to issue bonds to fund a portion of its capital spending in FY 2026 and FY 2027, which spreads the impact of funding the CIP over future years. Absent any rate increases, the District projects a revenue shortfall of \$46.8 million in FY 2026. An average rate increase of 6.5 percent is required to eliminate the FY 2026 shortfall. Taking into account a 6.5 percent average rate increase in FY 2026, the District projects an additional revenue shortfall of \$51.9 million in FY 2027. An average rate increase of 6.5 percent in FY 2027 is required to eliminate the projected FY 2027 shortfall.

**Table 1 - Revenue Shortfalls (In Million \$) Addressed Through Proposed Rate Increase**

| <b>Revenue Requirement</b>            | <b><u>FY 2025</u></b> | <b><u>FY 2026</u></b> | <b><u>FY 2027</u></b> |
|---------------------------------------|-----------------------|-----------------------|-----------------------|
| + O&M Expenses                        | 399.1                 | 456.4                 | 478.5                 |
| + Debt Service Expense                | 253.8                 | 266.3                 | 286.6                 |
| + Capital Expense                     | 543.5                 | 579.5                 | 598.8                 |
| - Other Sources                       | (174.1)               | (148.4)               | (164.9)               |
| - Proceeds from Bond Issues           | (275.0)               | (355.0)               | (345.0)               |
| <b>Revenue requirement</b>            | <b>747.3</b>          | <b>798.9</b>          | <b>854.0</b>          |
| <b>Revenue Adjustment</b>             |                       |                       |                       |
| + Revenue Requirement                 |                       | 798.9                 | 854.0                 |
| - Revenue from Prior Year Rates       |                       | (747.3)               | (798.9)               |
| - Revenue from Change in Water Sales  |                       | (3.0)                 | (3.2)                 |
| <b>Revenue Shortfall</b>              |                       | <b>48.6</b>           | <b>51.9</b>           |
| <b>Average Rate Increase Required</b> |                       | <b>6.5%</b>           | <b>6.5%</b>           |

Recommended FY 2026 and FY 2027 Water Rates and Charges

The District's water rates and charges have five customer classes: single-family residential, multi-family residential, and "all other" (non-residential accounts including commercial and industrial accounts), private fire service, and non-potable/recycled water. Together, the rates and charges are structured to proportionately recover the costs of providing water to each parcel. The District's water rates and charges have five components: Water Volumetric Rate, Water Service Charge, Elevation Surcharge, Private Fire Service Charge, and Recycled Water Volumetric Rate. If the Board of Directors declares a drought, the District may assess a temporary Drought Surcharge applied to the Water Volumetric Rate.

A summary of the proposed rates and charges and the resulting customer impacts are as follows:



**Table 2 - Proposed Water Volumetric Rates and Elevation Surcharges - (\$/Unit)**

| <b>Water Volumetric Rates and Elevation Surcharges (\$/unit)</b> | <b>FY 2025</b> | <b>FY 2026</b> | <b>FY 2027</b> |
|--|----------------|----------------|----------------|
| Single-Family Residential  |                |                |                |
| Tier 1: up to 7 units  | \$5.41         | \$7.89         | \$8.40         |
| Tier 2: over 7, up to 16 units                                   | \$7.44         | \$9.15         | \$9.74         |
| Tier 3: over 16 units  | \$9.83         | \$10.79        | \$11.49        |
| Multi-Family Residential   | \$7.65         | \$8.31         | \$8.85         |
| All Other Accounts (Commercial/Industrial)                       | \$7.62         | \$8.52         | \$9.07         |
| Nonpotable/Recycled Water  | \$5.93         | \$6.37         | \$6.78         |
| Elevation Surcharge (\$/unit)                                    |                |                |                |
| Elevation Zone 1   | \$0.00         | \$0.00         | \$0.00         |
| Elevation Zone 2   | \$1.10         | \$1.25         | \$1.33         |
| Elevation Zone 3   | \$2.27         | \$2.67         | \$2.84         |

**Table 3 - Proposed Monthly Water Service Charges (Meter) - (\$/Meter Size)**

| <b>Monthly Meter Service Charges on Water Bill</b> |                |                |                |
|--|----------------|----------------|----------------|
| <b>Meter Size (in inches)</b>                      | <b>FY 2025</b> | <b>FY 2026</b> | <b>FY 2027</b> |
| 5/8 or 3/4   | \$35.48        | \$26.85        | \$28.60        |
| 1  | \$53.60        | \$40.94        | \$43.60        |
| 1-1/2  | \$98.91        | \$76.14        | \$81.09        |
| 2  | \$153.23       | \$118.37       | \$126.06       |
| 3  | \$298.19       | \$252.14       | \$268.53       |
| 4  | \$461.24       | \$428.13       | \$455.96       |
| 6  | \$914.09       | \$956.12       | \$1,018.27     |
| 8  | \$1,457.58     | \$1,132.11     | \$1,205.70     |
| 10   | \$2,091.61     | \$1,624.90     | \$1,730.52     |
| 12   | \$2,906.86     | \$2,258.49     | \$2,405.29     |
| 14   | \$3,722.02     | \$2,892.07     | \$3,080.05     |
| 16   | \$4,718.40     | \$3,666.46     | \$3,904.78     |
| 18   | \$5,714.75     | \$4,440.84     | \$4,729.49     |

**Table 4 - Proposed Monthly Private Fire Service Charges - (\$/Meter Size)**

| <b>Monthly Private Fire Service Charges on Water Bill</b> |                |                |                |
|---|----------------|----------------|----------------|
| <b>Meter Size<br/>(in inches)</b>                         | <b>FY 2025</b> | <b>FY 2026</b> | <b>FY 2027</b> |
| 5/8 or 3/4  | \$18.88        | \$8.52         | \$9.07         |
| 1   | \$25.95        | \$14.20        | \$15.12        |
| 1-1/2   | \$43.51        | \$28.40        | \$30.25        |
| 2   | \$64.59        | \$45.44        | \$48.39        |
| 3   | \$120.91       | \$99.41        | \$105.87       |
| 4   | \$184.21       | \$170.42       | \$181.50       |
| 6   | \$360.08       | \$383.43       | \$408.35       |
| 8   | \$571.13       | \$454.44       | \$483.98       |
| 10  | \$817.32       | \$653.26       | \$695.72       |
| 12  | \$1,133.86     | \$908.88       | \$967.96       |
| 14  | \$1,450.45     | \$1,164.50     | \$1,240.19     |
| 16  | \$1,837.38     | \$1,476.93     | \$1,572.93     |
| 18  | \$2,224.29     | \$1,789.36     | \$1,905.67     |

**Table 5 – Example Single-Family Residential Customer Monthly Water Bill Impacts with Proposed Rates and Charges**

| <b>Single Family Residential Water Charges on EBMUD Bill (5/8" and 3/4" meters)</b> |                       |                         |                         |                                    |                         |                                    |
|---|-----------------------|-------------------------|-------------------------|------------------------------------|-------------------------|------------------------------------|
|   | <b>Use<br/>(Unit)</b> | <b>FY 2025<br/>Bill</b> | <b>FY 2026<br/>Bill</b> | <b>Change<br/>from FY<br/>2025</b> | <b>FY 2027<br/>Bill</b> | <b>Change<br/>from FY<br/>2026</b> |
| 25 <sup>th</sup> Percentile   | 3<br>(74 GPD)         | \$51.71                 | \$50.52                 | (\$1.19)                           | \$53.80                 | \$3.28                             |
| 50 <sup>th</sup> Percentile<br>(typical/median use)                                 | 5<br>(123 GPD)        | \$62.53                 | \$66.30                 | \$3.77                             | \$70.60                 | \$4.30                             |
| 75 <sup>th</sup> Percentile   | 9<br>(221 GPD)        | \$88.23                 | \$100.38                | \$12.15                            | \$106.88                | \$6.50                             |
| 95 <sup>th</sup> Percentile   | 19<br>(467 GPD)       | \$169.80                | \$196.80                | \$27.00                            | \$209.53                | \$12.73                            |
| Mean Single Family<br>Residential Use   | 7<br>(172 GPD)        | \$73.35                 | \$82.08                 | \$8.73                             | \$87.40                 | \$5.32                             |

**Table 6 – Other Example Customer Monthly Water Bill Impacts with Volumetric Proposed Rates and Charges**

| <b>Multi-Family Residential and Non-Residential Water Charges on Water Bill</b> |                           |                       |                         |                         |                                    |                         |                                    |
|---|---------------------------|-----------------------|-------------------------|-------------------------|------------------------------------|-------------------------|------------------------------------|
|   | <b>Meter<br/>(Inches)</b> | <b>Use<br/>(Unit)</b> | <b>FY 2025<br/>Bill</b> | <b>FY 2026<br/>Bill</b> | <b>Change<br/>from FY<br/>2025</b> | <b>FY 2027<br/>Bill</b> | <b>Change<br/>from FY<br/>2026</b> |
| Multi-Family Residential<br>4 dwellings   | 1                         | 25                    | \$244.85                | \$248.69                | \$3.84                             | \$264.85                | \$16.16                            |
| Multi-Family Residential<br>5+ dwellings  | 1                         | 50                    | \$436.10                | \$456.44                | \$20.34                            | \$486.10                | \$29.66                            |
| Commercial  | 1                         | 50                    | \$434.60                | \$466.94                | \$32.34                            | \$497.10                | \$30.16                            |
| Industrial  | 2                         | 500                   | \$3,963.23              | \$4,378.37              | \$415.14                           | \$4,661.06              | \$282.69                           |

### Drought Surcharge

If the Board declares a drought, EBMUD may assess a temporary Drought Surcharge that is applicable to all potable water customer accounts. The Drought Surcharge corresponds to increasingly severe stages of drought from Stage 1 to 4 and is charged on each unit of water used during the billing period. The surcharge is calculated to recover costs of providing supplemental water, losses of revenue, and other drought-related costs. The Drought Surcharge applies to the potable Water Volumetric Rate as follows: Stage 1-up to 5 percent, Stage 2-up to 10 percent, Stage 3-up to 20 percent, and Stage 4-up to 30 percent. Prior to assessing a Drought Surcharge, EBMUD will adopt a drought budget that reflects the most current and updated drought-related costs.

The surcharge will be developed to be consistent with EBMUD’s updated drought budget and Water System COS Rate Study and will not exceed the Drought Surcharge percentages. Under a Stage 4 drought in FY 2027, the typical (median) single-family residential customer using 5 units of water per month would pay a Drought Surcharge of no more than \$12.60 per month (about \$0.41 a day). The actual surcharge in any drought stage may be less than the maximum rates indicated above, depending on the costs of the drought. The District’s Proposition 218 notice for FY 2026 and FY 2027 includes information regarding these Drought Surcharges.

### **Wastewater Rates and Charges**

The District’s projected growth in wastewater rate revenue is predominantly based on planned average rate increases. The recommended average annual rate increases of 8.5 percent in FY 2026 and 8.5 percent in FY 2027 are projected to generate rate revenue sufficient to cover the expenditures identified in the proposed FY 2026 and FY 2027 Biennial Budget.

### Wastewater System COS Rate Study

Working with an independent rate consultant, the District developed a Wastewater System COS Rate Study in 2019. The structure of the proposed wastewater rates and charges are based on the Wastewater System COS Rate Study.

### Wastewater Rate Revenue Requirements for FY 2026 and FY 2027

The details of the FY 2026 and FY 2027 budget objectives, operating budget, capital expenses, and debt expenses are contained in the Proposed FY 2026 and FY 2027 Biennial Budget and Capital Project Summaries and will be presented to the Board at the March 25, 2025 Budget Workshop No. 2. The proposed operating and capital budgets contribute to the proposed changes to the FY 2026 and FY 2027 wastewater rates and charges as follows:

- Operating – significant increases in expenses such as chemicals, energy as well as increases in labor and benefits, and additional funded positions, drive approximately \$12.7 million in additional required revenue over the two-year period.
- Capital – increases in capital improvement plan and debt service drive approximately \$31.5 million in additional required revenue over the two-year period.

Table 7 shows the calculation of the average annual rate adjustment required over the two-year period between FY 2025 and FY 2027. The overall spending from FY 2025 to FY 2027 is projected to increase by almost 18 percent. The District plans to issue bonds to fund a portion of its planned capital spending in FY 2026 and FY 2027, which spreads the impact of funding the CIP over future years. Absent any rate increases, the District projects a revenue shortfall of \$11.6 million in FY 2026. An average rate increase of 8.5 percent is required to eliminate this shortfall. Taking into account an 8.5 percent average rate increase in FY 2026, the District projects an additional revenue shortfall of \$11.6 million in FY 2027. An average rate increase of 8.5 percent in FY 2027 is required to eliminate the projected FY 2027 shortfall.

**Table 7 – Revenue Shortfalls (In Million \$) Addressed Through Proposed Rate Increases**

| <b>Revenue Requirement</b>            | <b><u>FY 2025</u></b> | <b><u>FY 2026</u></b> | <b><u>FY 2027</u></b> |
|---------------------------------------|-----------------------|-----------------------|-----------------------|
| + O&M Expenses                        | 111.0                 | 118.9                 | 123.7                 |
| + Debt Service Expense                | 32.8                  | 35.7                  | 35.5                  |
| + Capital Expense                     | 59.1                  | 82.9                  | 87.9                  |
| - Other Sources                       | (36.9)                | (50.0)                | (52.0)                |
| - Proceeds from Bond Issues           | (30.0)                | (40.0)                | (35.0)                |
| <b>Revenue Requirement</b>            | <b>136.0</b>          | <b>147.5</b>          | <b>160.1</b>          |
| <b>Revenue Adjustment</b>             |                       |                       |                       |
| + Revenue Requirement                 |                       | 147.5                 | 160.1                 |
| - Revenue from Prior Year Rates       |                       | (136.0)               | (147.5)               |
| <b>Revenue Shortfall</b>              |                       | <b>11.6</b>           | <b>12.5</b>           |
| <b>Average Rate Increase Required</b> |                       | <b>8.5%</b>           | <b>8.5%</b>           |

Recommended FY 2026 and FY 2027 Wastewater Rates and Charges

Wastewater rates and charges have three customer classes in the Wastewater System COS Rate Study: single-family residential, multi-family residential, and non-residential. Non-residential customers are further classified based on the type of business operated. Together, the recommended rates and charges are structured to proportionately recover the costs of providing wastewater to each parcel served by the wastewater system. The rates for the wastewater fees have five components: Treatment Service Charge, Treatment Flow Charge, Treatment Strength Charge, Pollution Prevention Fee, and Wet Weather Facilities Charge.

### Wastewater Treatment Rates and Charges

Table 8 shows the proposed wastewater treatment unit rates that are used to calculate the total wastewater flow and strength charges based on the wastewater discharge characteristics.

**Table 8 - Proposed Wastewater Treatment Unit Rates**

| <b>Wastewater Treatment Unit Rates</b>                        |                |                |                |
|---|----------------|----------------|----------------|
| <b>Unit Rates</b>   | <b>FY 2025</b> | <b>FY 2026</b> | <b>FY 2027</b> |
| Service Charge (\$ per account, per month)                    | \$9.29         | \$10.08        | \$10.94        |
| Flow (\$ per unit - Up to 9 units max., 1 unit = 748 gallons) | \$1.677        | \$1.820        | \$1.975        |
| Strength – COD (\$/pound)                                     | \$0.170        | \$0.184        | \$0.200        |
| Strength – Total Suspended Solids (\$/pound)                  | \$0.702        | \$0.762        | \$0.827        |

Table 9 shows the proposed wastewater treatment charges for residential customers based on the unit rates in Table 8 and the number of dwellings and monthly flow. Table 10 and Table 11 show the proposed wastewater combined flow and strength charge per unit for non-residential customers listed by business classification code (BCC) that is calculated from the unit rates in Table 8. Wastewater customers who have been issued strength permits for unique wastewater strength and flow are charged based on the unit rates in Table 8. Included in the monthly wastewater bill is the San Francisco Bay Pollution Prevention Fee that fund programs to reduce pollutants in wastewater before it is treated at District facilities and discharged into the San Francisco Bay. The San Francisco Bay Pollution Prevention Fee will remain \$0.20 per month per dwelling for residential customers; \$5.48 per month per account for non-residential customers; and \$1.00 per month for multi-family residential customers with five or more units as shown in Table 12. Table 13 shows example resulting customer impacts for the proposed increases for the wastewater treatment bill.

**Table 9 - Proposed Wastewater Service, Flow and Strength Charges for Single-Family Residential and Multi-Family Residential with 2–4 Dwellings**

| <b>Wastewater Treatment Rates &amp; Charges</b>                  |                |                |                |
|--|----------------|----------------|----------------|
| <b>Rate Components</b>   | <b>FY 2025</b> | <b>FY 2026</b> | <b>FY 2027</b> |
| Service Charge (\$ per account, per month)                       | \$9.29         | \$10.08        | \$10.94        |
| Flow (\$ per unit – up to 9 units maximum, 1 unit = 748 gallons) | \$1.68         | \$1.82         | \$1.97         |
| Strength – (\$ per dwelling, per month)                          | \$9.67         | \$10.49        | \$11.38        |

**Table 10 -Proposed Combined Flow and Strength Rates for Non-Residential and Apartment Buildings with 5+ Dwellings**

| <b>Business Classification Code</b>  | <b>FY 2025<br/>Current<br/>Rate per<br/>Unit</b> | <b>FY 2026<br/>Proposed<br/>Rate per<br/>Unit</b> | <b>FY 2027<br/>Proposed<br/>Rate per<br/>Unit</b> |
|--|--|---|---|
| 2010 Meat Products   | \$11.74  | \$12.74   | \$13.82   |
| 2011 Slaughterhouses   | 11.24  | 12.20   | 13.24   |
| 2020 Dairy Product Processing  | 9.21   | 9.99  | 10.84   |
| 2030 Fruit and Vegetable Canning   | 7.41   | 8.04  | 8.72  |
| 2040 Grain Mills   | 7.38   | 8.01  | 8.69  |
| 2050 Bakeries (including Pastries)   | 12.76  | 13.84   | 15.02   |
| 2060 Sugar Processing  | 7.29   | 7.91  | 8.58  |
| 2077 Rendering Tallow  | 22.15  | 24.03   | 26.07   |
| 2080 Beverage Manufacturing & Bottling   | 5.54   | 6.01  | 6.52  |
| 2090 Specialty Foods Manufacturing   | 23.82  | 25.84   | 28.04   |
| 2600 Pulp and Paper Products   | 6.33   | 6.87  | 7.45  |
| 2810 Inorganic Chemicals Mfgr.   | 8.15   | 8.84  | 9.59  |
| 2820 Synthetic Material Manufacturing  | 1.91   | 2.07  | 2.25  |
| 2830 Drug Manufacturing  | 4.11   | 4.46  | 4.84  |
| 2840 Cleaning and Sanitation Products  | 8.31   | 9.02  | 9.79  |
| 2850 Paint Manufacturing   | 16.03  | 17.39   | 18.87   |
| 2893 Ink and Pigment Manufacturing   | 5.80   | 6.29  | 6.82  |
| 3110 Leather Tanning and Finishing   | 22.14  | 24.02   | 26.06   |
| 3200 Earthenware Manufacturing   | 4.50   | 4.88  | 5.29  |
| 3300 Primary Metals Manufacturing  | 3.56   | 3.86  | 4.19  |
| 3400 Metal Products Fabricating  | 2.08   | 2.26  | 2.45  |
| 3410 Drum and Barrel Manufacturing   | 22.54  | 24.46   | 26.54   |
| 3470 Metal Coating   | 2.26   | 2.45  | 2.66  |
| 4500 Air Transportation  | 2.97   | 3.22  | 3.49  |
| 4951 Groundwater Remediation   | 1.74   | 1.89  | 2.05  |
| 5812 Food Service Establishments   | 7.71   | 8.37  | 9.08  |
| 6513 Apartment Buildings (5 or more units)   | 3.75   | 4.07  | 4.42  |
| 7000 Hotels, Motels with Food Service  | 5.55   | 6.02  | 6.53  |
| 7210 Commercial Laundries  | 4.99   | 5.41  | 5.87  |
| 7215 Coin Operated Laundromats   | 3.74   | 4.06  | 4.41  |
| 7218 Industrial Laundries  | 14.17  | 15.37   | 16.68   |
| 7300 Laboratories  | 2.68   | 2.91  | 3.16  |
| 7542 Automobile Washing and Polishing  | 3.55   | 3.85  | 4.18  |
| 8060 Hospitals   | 3.41   | 3.70  | 4.01  |
| 8200 Schools   | 2.51   | 2.72  | 2.95  |
| All Other BCC (includes dischargers<br>of only segregated domestic wastes<br>from sanitary conveniences) | 3.75   | 4.07  | 4.42  |

**Table 11 - Proposed Maximum Blended Flow and Strength Rates for Multi-Use Accounts**

| <b>Business Classification Code</b> |                               | <b>FY 2025<br/>Current Rate<br/>per Unit</b> | <b>FY 2026<br/>Proposed<br/>Rate per<br/>Unit</b> | <b>FY 2027<br/>Proposed<br/>Rate per<br/>Unit</b> |
|-------------------------------------|-------------------------------|--|---|---|
| A                                   | 0-9% Food/91-100% Domestic    | \$3.75                                       | \$4.07  | \$4.42  |
| B                                   | 10-19% Food/81-90% Domestic   | 4.15   | 4.50  | 4.89  |
| C                                   | 20-29% Food/71-80% Domestic   | 4.55   | 4.93  | 5.35  |
| D                                   | 30-39% Food/61-70% Domestic   | 4.94   | 5.36  | 5.82  |
| E                                   | 40-49% Food/51-60% Domestic   | 5.34   | 5.79  | 6.29  |
| F                                   | 50-59% Food/41-50% Domestic   | 5.73   | 6.22  | 6.75  |
| G                                   | 60-69% Food/31-40% Domestic   | 6.13   | 6.65  | 7.22  |
| H                                   | 70-79% Food/21-30% Domestic   | 6.53   | 7.08  | 7.68  |
| I                                   | 80-89% Food/11-20% Domestic   | 6.92   | 7.51  | 8.15  |
| J                                   | 90-99% Food/1-10% Domestic    | 7.32   | 7.94  | 8.62  |
| K                                   | 0-9% Bakery/91-100% Domestic  | 3.75   | 4.07  | 4.42  |
| L                                   | 10-19% Bakery/81-90% Domestic | 4.66   | 5.05  | 5.48  |
| M                                   | 20-29% Bakery/71-80% Domestic | 5.56   | 6.02  | 6.54  |
| N                                   | 30-39% Bakery/61-70% Domestic | 6.46   | 7.00  | 7.60  |
| O                                   | 40-49% Bakery/51-60% Domestic | 7.36   | 7.98  | 8.66  |
| P                                   | 50-59% Bakery/41-50% Domestic | 8.26   | 8.96  | 9.73  |
| Q                                   | 60-69% Bakery/31-40% Domestic | 9.16   | 9.93  | 10.78   |
| R                                   | 70-79% Bakery/21-30% Domestic | 10.06  | 10.91   | 11.84   |
| S                                   | 80-89% Bakery/11-20% Domestic | 10.96  | 11.89   | 12.90   |
| T                                   | 90-99% Bakery/1-10% Domestic  | 11.86  | 12.86   | 13.96   |

**Table 12 – Monthly San Francisco Bay Pollution Prevention Fee**

| <b>Monthly San Francisco Bay Pollution Prevention Fee</b> |                |                |                |
|---|----------------|----------------|----------------|
|   | <b>FY 2025</b> | <b>FY 2026</b> | <b>FY 2027</b> |
| Residential (\$ per dwelling)*                            | \$0.20         | \$0.20         | \$0.20         |
| Non-residential (\$ per account)                          | \$5.48         | \$5.48         | \$5.48         |

\*SF Bay Pollution Prevention Fee for apartments (5 or more dwellings) will remain \$1.00 per month for both FY 2026 and FY 2027.



**Table 13 - Example Customer Monthly Wastewater Treatment Bill Impacts with Proposed Rates, Charges and Fees**

| Wastewater Charges on EBMUD Bill                 |                   |                |                 |                 |                           |                 |                           |
|--|-------------------|----------------|-----------------|-----------------|---------------------------|-----------------|---------------------------|
|  | Meter<br>(Inches) | Use<br>(Units) | FY 2025<br>Bill | FY 2026<br>Bill | Change<br>from<br>FY 2025 | FY 2027<br>Bill | Change<br>from<br>FY 2026 |
| Typical (median_<br>Single-Family<br>Residential | 5/8               | 4              | \$25.88         | \$28.05         | \$2.17                    | \$30.40         | \$2.35                    |
| Single-Family<br>Residential<br>(maximum)        | 5/8               | 9              | \$34.28         | \$37.15         | \$2.87                    | \$40.25         | \$3.10                    |
| Multi-Family<br>Residential 4 dwellings          | 1                 | 25             | \$90.77         | \$98.34         | \$7.57                    | \$106.51        | \$8.17                    |
| Multi-Family<br>Residential<br>5+dwellings       | 1                 | 50             | \$197.79        | \$214.58        | \$16.79                   | \$232.94        | \$18.36                   |
| Commercial*                                      | 1                 | 50             | \$202.27        | \$219.06        | \$16.79                   | \$237.42        | \$18.36                   |
| Industrial**                                     | 2                 | 500            | \$2,784.77      | \$3,020.56      | \$235.76                  | \$3,276.42      | \$255.86                  |

\*Calculation conducted using the combined strength and flow charge for “All Other Business Classifications”

\*\*Calculation conducted using the combined strength and flow charge for BCC 2080 “Beverage Manufacturing & Bottling”

### Wet Weather Facilities Charge (WWFC)

The WWFC is a charge that is imposed on a property itself. The WWFC pays for costs associated with inflow and infiltration of stormwater into the sanitary sewer system. This annual charge is calculated based on parcel/lot size, which accounts for each parcel's capacity to contribute inflow and infiltration during a wet weather event. The amount of wet weather flows that enter the wastewater system in the form of inflow and infiltration is proportional to the size of the collection system needed to serve each property. For example, larger parcels generally have more wet weather flows that could enter the wastewater system than smaller parcels. For this reason, parcel size is used as a proxy to estimate the size of the collection system to serve each property. Accordingly, the WWFC is structured using three generalized lot sizes (or bins): 0 to 5,000 square feet (sq ft), 5,001 to 10,000 sq ft, and over 10,000 sq ft. The WWFC is based on median lot size for each of these bins, regardless of whether a property is residential or non-residential. Inflow and infiltration of wet weather flows into the wastewater system increases the District’s wastewater related costs because any water that enters the system must be conveyed and treated.

Since the WWFC is based on the property’s propensity to contribute peak wet weather flows and is unrelated to the amount of water used at the property, the District collects the WWFC

on the property tax bill for all parcels that have connections to the local wastewater collection systems within the District's wastewater service area. The WWFC for public agencies that are exempt from property taxes is collected through the District's billing process. As shown in Table 14, the proposed WWFC will increase 8.5 percent in FY 2026 and 8.5 percent in FY 2027.

**Table 14 - Proposed Annual Wet Weather Facilities Charge - (\$/Lot Size)**

| <b>Proposed Wet Weather Facilities Charge on Property Tax Bill (\$/Lot Size)</b> |                         |                         |                                    |                         |                                    |
|--|-------------------------|-------------------------|------------------------------------|-------------------------|------------------------------------|
|  | <b>FY 2025<br/>Bill</b> | <b>FY 2026<br/>Bill</b> | <b>Change<br/>from FY<br/>2025</b> | <b>FY 2027<br/>Bill</b> | <b>Change<br/>from FY<br/>2026</b> |
| Small Lot<br>0 - 5,000 sq. ft.   | \$147.38                | \$159.90                | \$12.52                            | \$173.48                | \$13.58                            |
| Medium Lot<br>5,001 – 10,000 sq. ft.   | \$230.16                | \$249.72                | \$19.56                            | \$270.94                | \$21.22                            |
| Large Lot<br>>10,000 sq. ft.   | \$526.00                | \$570.70                | \$44.70                            | \$619.20                | \$48.50                            |

CCC:SDS:pag

## **Attachment 2: Engineering Standard Practice 492.1 Planning Criteria for Distribution Water Mains**



|   |            |                  |
|---|------------|------------------|
| <b>ENGINEERING STANDARD PRACTICE</b>  | ESP        | <b>492.1</b>     |
| SUBJECT:  | EFFECTIVE  | <b>01 DEC 21</b> |
| <b>PLANNING CRITERIA FOR DISTRIBUTION WATER MAINS AND INLET/OUTLET PIPELINES FOR WATER STORAGE FACILITIES</b>   | SUPERSEDES | <b>10 MAY 12</b> |
| <p><b>PURPOSE</b></p> <p>The purpose of this Engineering Standard Practice (ESP) is to establish basic criteria for the planning and sizing of water mains and reservoir inlet/outlet pipelines in the distribution system. For new water main extensions to serve applicants, this ESP also provides the basis for determining charges to applicants for water service under the Regulations Governing Water Service to Customers of the East Bay Municipal Utility District (EBMUD). The detailed design and installation of water mains and inlet/outlet pipelines shall conform to current District engineering and operations criteria, standards, and current design practices.</p> <p><b>PLANNING OF WATER MAINS</b></p> <p><b>General</b></p> <ul style="list-style-type: none"> <li>• New water mains in the distribution system (extensions to serve, improvements, and replacements) shall be sized and located to meet the estimated water service requirements of District customers, including projected water demands and fire flows.</li> <li>• If an existing water main on the frontage of an applicant's premises is 20 inches or larger, the existing water main shall not be available for installation of a service connection for water service to those premises, subject to the conditions and exceptions provided below.</li> <li>• In cases where water quality is a concern, such as low water use that could potentially lead to high water age or incremental residence time, new water mains shall be sized to minimize water quality operations while meeting the estimated water service requirements, including projected water demands and, to the extent feasible, fire flows. The appropriate material of new water mains shall also be evaluated in such cases.</li> <li>• The appropriate material to be used for new water mains shall also be evaluated for special circumstances, such as in steep terrain, narrow rights-of-way, potential landslide, liquefiable soil, corrosive soil areas, dead-end mains or creek, bridge, freeway, and railroad crossings where the use of conventional open-trench pipeline installation methods and pipeline materials may not be feasible and/or where conventional installation methods may be cost prohibitive.</li> <li>• Specific material requirements for design are in ESP 512.1, Water Main and Services Design Criteria.</li> </ul> <p><b>Demand</b></p> <ul style="list-style-type: none"> <li>• For the purpose of sizing distribution water mains, the future Maximum Day Demand (MDD) for the entire pressure zone being modeled shall be used. The method for the calculation of the MDD is</li> </ul> |            |                  |

|  |            |                  |
|--|------------|------------------|
| <b>ENGINEERING STANDARD PRACTICE</b>   | ESP        | <b>492.1</b>     |
| SUBJECT:   | EFFECTIVE  | <b>01 DEC 21</b> |
| <b>PLANNING CRITERIA FOR DISTRIBUTION WATER MAINS AND INLET/OUTLET PIPELINES FOR WATER STORAGE FACILITIES</b>  | SUPERSEDES | <b>10 MAY 12</b> |
| <p>based on a historical analysis of pressure zone peaking factors and average annual day demand projections from the most recent Demand Study.</p> <p><b>Fire Flow</b></p> <ul style="list-style-type: none"> <li>For new residential, commercial, industrial, or other development, the design fire flow basis for planning main extensions and system improvements shall be as required in writing by the fire agency with jurisdiction in accordance with the Uniform Fire Code; to the extent feasible. These fire flow requirements are typically specified in Form C-128F, Hydrant/Fire Service/Dual Service Requirements.</li> <li>If the existing distribution system cannot deliver the required fire flow, the distribution system shall be upgraded at the applicant's expense to meet the required fire flow or approval of the existing available fire flow shall be obtained in writing from the local fire agency with jurisdiction.</li> <li>Replacement of mains and system improvements shall be based on current design fire flow standards subject to water quality considerations.</li> </ul> <p><b>Size of Water Mains</b></p> <ul style="list-style-type: none"> <li>The minimum size of water mains shall be as follows: <ul style="list-style-type: none"> <li>In low- and medium-density residential areas (typically single-family residential neighborhoods, or multi-family residential areas with fewer than 40 dwelling units per acre), except as provided below, the minimum size shall be 6 inches. If water quality is a concern, a 4-inch pipeline shall be considered if level of service and fire flow can be met. An applicant shall be charged for the size of the main extension needed to meet the water service requirements, including fire flow, for the project.</li> <li>In high-density residential (more than 40 dwelling units per acre), commercial, and industrial areas, and on long streets without side connections such as on terraced hillsides, the minimum size shall be 8 inches. If water quality is a concern, a 6-inch pipeline shall be considered if level of service and fire flow can be met. An applicant shall be charged for the size of the main extension needed to meet the water service requirements, including fire flow, for the project.</li> <li>Four-inch pipeline may be used in short cul-de-sacs, shallow side courts, or similar areas where all of the following conditions exist: (1) there is no possibility of further extensions or looping; (2) there are no required hydrants or potential for future hydrants; and (3) the service conditions provided below can be met. An applicant shall be charged for the size of the main extension to be installed.</li> <li>Two-inch pipeline may be used in private driveways or roads where all the following conditions exists: (1) there are no more than three possible service connections; (2) there is no possibility of further extension or service connections; (3) there is no requirement for a fire hydrant; and (4) standard service is reasonably available from the extension</li> </ul> </li> </ul> |            |                  |

## ENGINEERING STANDARD PRACTICE

|            |                  |
|------------|------------------|
| ESP        | <b>492.1</b>     |
| EFFECTIVE  | <b>01 DEC 21</b> |
| SUPERSEDES | <b>10 MAY 12</b> |

SUBJECT:

### PLANNING CRITERIA FOR DISTRIBUTION WATER MAINS AND INLET/OUTLET PIPELINES FOR WATER STORAGE FACILITIES

to all premises to be served.

- New water mains shall be sized to meet the following level of service, with storage in the pressure zone at 70 percent of capacity:
  - Projected MDD demand with a residual pressure of at least 40 pounds per square inch (psi) in the main, where feasible;
  - Projected MDD plus the project's design fire flow with a residual pressure of at least 20 psi in the main and at existing service connections throughout the pressure zone;
  - Projected maximum pumping rate with the pressure not exceeding 140 psi at the nominal lower elevation of the pressure zone (equivalent to 300 feet below reservoir overflow elevation); and
  - Pressure fluctuation in the main limited to a maximum of 30 psi under normal operating extremes, not including fire flow.

Exception: Low-pressure service shall be governed by Section 8 and Section 8A of the Regulations Governing Water Service to Customers of EBMUD.

- Mains between pumping plants and reservoirs shall be increased in size to reduce energy consumption in pumping when economically justified. Where applicable, the applicant shall be charged for the size of main increase required to reduce energy consumption for service.
- The planning of major transmission mains shall include the consideration of phased construction with parallel mains when economically and operationally justified.
- Main extensions, replacements, and improvements for service shall be sized to provide capacity for the applicant and the potential future demand beyond that of the applicant. The applicant shall be charged only for the size of main required for the applicant's project as determined above.

#### Length and Location of Water Mains

To the extent practicable, water mains shall be located within the paved area of streets or roads. Specific location requirements for design are in ESP 512.1.

- To the extent practicable, the distribution system pipeline network shall consist of closed loops so each section of the main can be fed from either end; dead ends shall be avoided, existing dead ends shall be eliminated; and relatively large areas shall have more than one pipeline feed. An applicant shall not be charged for the additional water main necessary to close a loop in the existing distribution system unless it is required to meet estimated water service requirements and/or minimize water quality operations. When a closed loop system is required for a new development project, the charge for these water mains shall be included in the applicant's water service estimate.

|  |            |                  |
|--|------------|------------------|
| <b>ENGINEERING STANDARD PRACTICE</b>   | ESP        | <b>492.1</b>     |
| SUBJECT:   | EFFECTIVE  | <b>01 DEC 21</b> |
| <b>PLANNING CRITERIA FOR DISTRIBUTION WATER MAINS AND INLET/OUTLET PIPELINES FOR WATER STORAGE FACILITIES</b>  | SUPERSEDES | <b>10 MAY 12</b> |
| <ul style="list-style-type: none"> <li>For operational reasons, a water main 20 inches or larger, which has the primary purpose of transmission of water between major facilities and/or significant areas of the distribution system, shall not be available for installation of service connections. Service shall be granted from a smaller parallel main extended from the nearest available main in the distribution system or from a turnout on the larger main at a location consistent with the orderly development of the distribution system pipeline grid in the vicinity of the applicant's premises. An applicant shall be charged for the parallel main extension required for service. If the existing larger main carries a front foot charge, EBMUD shall reimburse the original applicant based on the front footage of the properties that shall be served by the smaller parallel main, provided that the front foot charge is payable.</li> </ul> <p>Exceptions: Installation of a service connection on a 20-inch or larger water main which has the primary purpose of transmission of water between major facilities and/or significant areas of the distribution system may be considered (1) for an isolated service that can be interrupted for long periods, such as an irrigation service under a conditional service agreement; or (2) for an isolated service where the District determines that the installation of a smaller parallel water main would be impractical because an available main does not exist and the development of a distribution system to serve other properties in the vicinity is not anticipated in the foreseeable future.</p> <ul style="list-style-type: none"> <li>Separate parallel water mains may be required on each side of the traveled way in streets or roads with three or more traffic lanes and curb parking, or with four or more traffic lanes, or which are divided or which contain a subsurface structure or facility interfering with the normal installation of a service lateral. In such cases, existing mains are available for service connections only to premises with frontage on the same side of the street or road. An applicant may be charged for a parallel main extension if it is required for service.</li> <li>New water mains shall not be placed at an elevation above the upper elevation limit of the pressure zone.</li> </ul> <p><b>PLANNING OF INLET/OUTLET PIPELINES</b></p> <p><b>Valve Pit and Inlet/Outlet Pipelines for Water Storage Facilities</b></p> <ul style="list-style-type: none"> <li>Inlet/outlet pipelines and valve vaults for reservoirs shall be sized to meet ultimate flow requirements of the pressure zone being served, and consistent with the design criteria above. The inlet/outlet pipelines shall generally have a continuous uphill slope toward the reservoir and not be located above the bottom elevation of the reservoir.</li> <li>The size of the inlet pipeline from inside the valve vault to the storage facility shall be based on the long-term design pumping plant capacity supplying the reservoir, with a maximum pipeline velocity of 7 feet per second. The outlet pipeline from inside the storage facility to the valve pit shall be sized to meet the greater of the projected peak-hour demand, or the projected MDD plus design fire flow supplied by the reservoir, whichever is controlling, at a maximum velocity of 10 feet per second, but in no case smaller than 12-inches.</li> </ul> |            |                  |

## ENGINEERING STANDARD PRACTICE

|            |                  |
|------------|------------------|
| ESP        | <b>492.1</b>     |
| EFFECTIVE  | <b>01 DEC 21</b> |
| SUPERSEDES | <b>10 MAY 12</b> |

SUBJECT:

### PLANNING CRITERIA FOR DISTRIBUTION WATER MAINS AND INLET/OUTLET PIPELINES FOR WATER STORAGE FACILITIES

- If dual tanks are operated in series, the inlet and outlet pipelines of the second tank in series shall be sized to meet required fire flows at a maximum velocity of 10 feet per second. If dual tanks are configured in parallel with a common inlet/outlet pipeline, then the valve pit outlet pipelines shall be sized to meet the entire demand in the event one reservoir outlet valve is closed for maintenance or cycled to improve water quality.
- Consideration shall be given to upsizing the inlet and outlet pipelines from inside the storage facility to the valve pit if hydraulic analysis indicates the water distribution system shall not meet the service conditions defined above.



OLUJIM O. YOLOYE  
Director of Engineering and Construction



## **Attachment 3: Engineering Standard Practice 521.2 Equivalent Meter Sizes**



# ENGINEERING STANDARD PRACTICE

|            |           |
|------------|-----------|
| ESP        | 521.2     |
| EFFECTIVE  | 09 APR 20 |
| SUPERSEDES | 24 SEP 14 |

SUBJECT:

## EQUIVALENT METER SIZES

### PURPOSE

To provide guidance on selection of the type and size of customer revenue meters for a new water service or a change in use of existing water service. In addition, this document establishes equivalent meter sizes to be used to assign water service charges, or when using a battery of meters.

### METER SIZE – CAPACITY

“Water Service Charge Designated Flow Rates in GPM” listed below are used to assign water services charges.

**Table A: Displacement, Compound, and Mag Meters**

| Nominal<br>Meter Size,<br>Inches | Usual Meter<br>Type | Standard Meter                         |                      | Water Service<br>Charge<br>Designated<br>Flow Rate in<br>GPM*** |
|----------------------------------|---------------------|--|----------------------|---|
|                                  |                     | Maximum Flow in GPM                    |                      |   |
|                                  |                     | Recommended<br>Continuous, or<br>SMOC* | Safe<br>Intermittent |   |
| 5/8                              | Displacement        | 10                                     | 20                   | 20  |
| 3/4                              | “                   | 15                                     | 30                   | 30  |
| 1                                | “                   | 25                                     | 50                   | 50  |
| 1-1/2                            | “                   | 50                                     | 100                  | 100   |
| 2                                | “                   | 80                                     | 160                  | 160   |
| 3                                | Compound            | 175                                    | 350                  | 350   |
| 4                                | “                   | 300                                    | 600                  | 600   |
| 6                                | “                   | 675                                    | 1,350                | 1,350   |
| 8                                | “                   | 900                                    | 1,600                | 1,600   |
| 10                               | Mag*                | 4,500                                  |                      | 2,300   |
| 12                               | “                   | 5,500                                  |                      | 3,200   |
| 14**                             | “                   | 6,500                                  |                      | 4,100   |
| 16                               | “                   | 8,000                                  |                      | 5,200   |
| 18**                             | “                   | 9,800                                  |                      | 6,300   |
| 20                               | “                   | 12,000                                 |                      | 7,500   |
| 22**                             | “                   | 14,400                                 |                      | 8,800   |
| 24**                             | “                   | 17,100                                 |                      | 10,100  |

\* The values listed under “Recommended Continuous” for Mag meters are defined in AWWA C715-18 as “Safe Maximum Operating Capacity” (SMOC).

\*\* SMOC values were interpolated or extrapolate from existing data presented in AWWA C715-18, Table 1.

\*\*\* The Water Service Charge Designated Flow Rate is established as the Safe Intermittent flow rate for Displacement and Compound meters. (See Water Service Charge Designated Flow Rate Extrapolation” for sizes greater than 8”).

# ENGINEERING STANDARD PRACTICE

|            |           |
|------------|-----------|
| ESP        | 521.2     |
| EFFECTIVE  | 09 APR 20 |
| SUPERSEDES | 24 SEP 14 |

SUBJECT:

## EQUIVALENT METER SIZES

**Table B: Turbine Meter (for irrigation services only)**

| Nominal<br>Meter Size,<br>Inches | (Vertical Shaft Type) |                           | (In-line Type)       |                           |
|----------------------------------|-----------------------|---------------------------|----------------------|---------------------------|
|                                  | Maximum Flow in GPM   |                           | Maximum Flow in GPM  |                           |
|                                  | Safe<br>Intermittent  | Recommended<br>Continuous | Safe<br>Intermittent | Recommended<br>Continuous |
| 1-1/2                            | 100                   | 65                        | 120                  | 90                        |
| 2                                | 160                   | 100                       | 190                  | 160                       |
| 3                                | 350                   | 220                       | 435                  | 350                       |
| 4                                | 630                   | 420                       | 750                  | 650                       |
| 6                                | 1,300                 | 865                       | 1,600                | 1,400                     |
| 8                                |                       |                           | 2,800                | 2,400                     |

The "Water Service Charge Flow Rates in GPM" are the same as the "Safe Intermittent" flow rates for each meter type listed in this table.

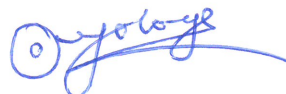
## CRITERIA AND REFERENCES

Standard capacities are from the following AWWA Standards:

- C 700-15: Displacement type
- C 701-15: Turbine type
- C 702-15: Compound type
- C 715-18: Electromagnetic (Mag) type

A battery of meters is two or more meters in parallel combining for a single service. The single meter equivalent to a battery of meters shall be that standard meter size whose capacity is equal to or next below the sum of the capacities of the meters in the battery.

The Water Service Charge Designated Flow Rates Extrapolation: The values listed in Table A for sizes greater than 8" were determined by the formula  $Q = 50D^{1.67}$ , where Q is the capacity in GPM and D is the nominal diameter in inches of the corresponding meter. This formula was developed from displacement and compound meter Safe Intermittent data points of meter sizes ranging from 5/8" to 8".



Olujimi O. Yoloye  
Director of Engineering and Construction

## **Attachment 4: Procedure 900, Water Consumption Accounting and Reporting**





# Procedure 900

## WATER CONSUMPTION ACCOUNTING AND REPORTING

EFFECTIVE 17 MAY 23  
SUPERSEDES 24 MAR 21  
LEAD DEPARTMENT WNR

**PURPOSE** – To establish a consistent District-wide protocol for storing, retrieving, reporting and publishing consumption data for internal and regulatory purposes.

### General Provisions

This procedure applies to all District employees directly or indirectly engaged in measuring, collecting, storing, retrieving, validating, reporting, or publishing District raw water use, treated water production, water consumption, and water demand projections data.

### Limitations

This procedure provides only a general overview of water consumption accounting and reporting procedures. Operating manuals developed by departments for their internal use provide details on methodologies; however, they do not constitute District policy or adopted procedures.

### Definitions

#### Customer Account

Account - Accounts can be classified into seven major use types, as defined by Business Classification Code (BCC) Categories<sup>1</sup>. One customer can have multiple accounts. BCC Categories include Single-Family, Multi-Family, Commercial, Industrial, Petroleum, Institutional, and Irrigation. For a complete list of BCC Categories or BCC Types (which is the grouping of BCCs into similar type of end users and it is more granular than the BCC Categories) visit <http://waterconsumptiondata/glossary.php>.

Account Status - For billing purposes, accounts can have one of the following statuses:

- *Active* - a customer is currently responsible for service at a premise<sup>2</sup>.
  - Charged – a price/rate has been applied to an account component, i.e., water flow, wastewater flow, and meter size; the account is “statemented” after being “charged”.
  - Billed/Statemented – after the account is “charged”, the statement or bill is generated.
- *Closed* - an off order has been completed and the account has been charged; the statement may or may not have been generated at this point. The official closed date is the last day the customer is responsible for service.
- *Inactive* - an order has been created for a customer who will be responsible for service at a premise.
- *Landlord - Active* - customers having Intervening Water Service Agreement become responsible for service when a tenant moves out.
- *Landlord - Inactive* - customers having Intervening Water Service Agreements but the tenant is responsible for service.

<sup>1</sup> BCC Categories are mapped to “Dwelling Description” within Customer Watch. For billing purposes accounts can also be differentiated into Revenue Classes which include Residential, Commercial, Industrial and Public. Note that Revenue Classes do not necessarily correspond to BCC Categories.

<sup>2</sup> A premise is the physical location/address where the water use is taking place.

Account Type<sup>3</sup> - There are six types of water service available:

- Standard (Water) = Standard Water Service including irrigation services; potable (treated) drinking water and does not include Fire Services and Hydrant uses.
  - Fire Service<sup>4</sup> = Private Fire Service.
  - Hydrant = Hydrant Meter Service; Hydrant meters borrowed by contractors are accounted for in the Water Consumption Data Hub (WCD Hub).
  - Wastewater = No Water (Wastewater only).
  - Untreated (Water Non-Potable) = Non-Potable Water Service; untreated – raw water used by such accounts as golf courses.
  - Water Recycled = Recycled Water Service
    - Recycle Secondary
    - Recycle Tertiary
- 

### Metered Consumption Data: Storage

The District stores metered water consumption data in two databases - Customer Watch and Water Consumption Data Warehouse.

**Customer Watch (CW)** - A utility billing and customer information application used to manage customer contacts, meter readings, charge calculations, statements and correspondence, equipment inventory, service orders, etc.

Most meters are read bimonthly except meters for large commercial and industrial customers which are read monthly. The majority of meters are read manually and entered into handheld units. The reads are then transferred to CW to calculate the Water Flow Charge.

In CW, the data remain in a billing cycle format. CW stores what was charged to individual customers. Because of cancel rebills or delayed reads, the billing period on a statement could be less or much more than the standard billing cycle.

Managed by the Customer Information System (CIS) Control Group, CW replaced the CIS in 2011, which replaced the Customer Billing System in 1987. Data in CW is only available from September 2011 to the present.

**Water Consumption Data Warehouse (WCDW)** - The database stores water consumption data in monthly, seasonally adjusted monthly, and billing cycle formats, for accounts that have been charged in CW. Metered accounts, both billed and unbilled, are transferred and/or converted from CW to the WCDW on the second Tuesday of every month.

### Monthly Normalized Aggregate

Within the WCDW, the billing data is converted into a monthly format and archived. WCDW contains data from 1975 to present. Due to the differences in timing of the billing cycles, data in WCDW is available about two months prior to the current month. This ensures that the data presented for a given month represents all of the District's active accounts.

Since 1975, the District has utilized an algorithm to redistribute billing cycle data into monthly data - equally distributing the data across each month. The algorithm for the conversion can be found via the WCD Hub's Glossary page (<http://waterconsumptiondata/glossary.php>).

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<sup>3</sup> Intertie meter data are not accounted for in the WCD Hub.

<sup>4</sup> It is not feasible for the District to accurately estimate a potentially significant portion of fire service consumption as fire departments are not required to report their usage to the District.

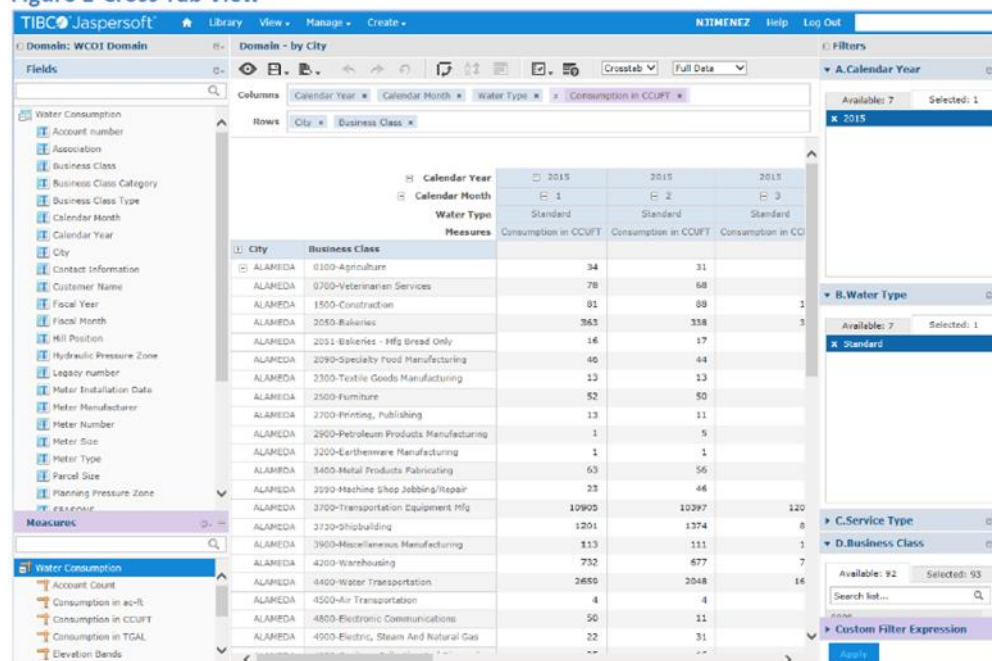
### Seasonally Indexed Monthly Format Algorithm

In January 2014, the District began keeping water consumption data based on a seasonally adjusted algorithm. This data is available for calendar year 2013 to the present. For publishing purposes, if the Seasonally Adjusted Monthly Aggregate data is used, that needs to be clearly indicated on any report, chart, or table created.

The seasonally indexed monthly format algorithm refines the monthly format algorithm by accounting for the seasonal nature of water consumption, attributed to irrigation in the warmer months. The refinement improves the accuracy of the monthly consumption calculation by prorating consumption based on historical monthly water consumption trends by BCC Category. The Seasonal Indices (SI) that are used in the algorithm will be assessed approximately every 10 years by Water Resources Planning Division in consultation with Water Distribution Planning Division.

The algorithm for the conversion can be found via the WCD Hub's Glossary page (<http://waterconsumptiondata/glossary.php>).

Figure 1-Cross Tab View



### Metered Consumption Data: Retrieval/Reporting

Historical and reproducible metered water consumption data can be retrieved and reported using the following:

- Water Consumption Data Hub
  - Jasper Reports
  - Jasper Analytics Tool
  - Data Query Request
- Customer Watch

Water Consumption Data Hub - CW water use data is translated into normalized monthly aggregate consumption values when it is loaded into the WCD hub. This is a portal in which District staff can query and view water consumption data, obtain a reference for standardized consumption related terms, and access relevant policies and procedures in reporting data. The WCD Hub helps to ensure consistent, accurate, reproducible water consumption data is used throughout the District. The WCD Hub can be accessed via <http://waterconsumptiondata>. Definitions of BCC and corresponding types and categories, and seasonal indices for west and east of hills by BCC category are published on the WCD Hub's Glossary page. These can be accessed at <http://waterconsumptiondata/glossary.php>.

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**Metered  
Consumption  
Data: QA/ QC**

The accuracy and integrity of water consumption data are maintained through a Quality Assurance/ Quality Control (QA/ QC) process in CW.

In CW, to assure correct billing, exceptions reports are produced daily as "Special Handling" when anomalies are noted in the data. Some of the criteria for triggering an exception flag in CW include:

- High/Low - Consumption values calculated from meter reads uploaded by the Meter Reading & Maintenance Division are compared with historical data. Customer Services Support Division, Field Services, Water Conservation Division and Meter Reading & Maintenance Division staff review consumption values that are higher or lower than the historical range, and take appropriate actions such as requesting service order, confirming the read, etc., before the consumption is released for charge calculation.
- High Charge - a type of service (water, wastewater, or fire service) and the corresponding revenue class has a dollar amount assigned to it that triggers a high charge flag. Customer Services Support Division reviews all accounts that exceed the high dollar amount before releasing the account for statement.

Accuracy of the meter reads provided to the CW application is maintained by the Meter Reading & Maintenance Division.

---

**Department and  
Committee  
Responsibilities**

Departments are responsible for assisting and supporting other groups and committees to assure that reporting of water supply and use information is consistent with this procedure. Attachment A provides a list of standard publications that report the information produced by the District.

Water and Natural Resources Department (WNR)

The Water Resources Planning Division (WRPD) of the WNR is responsible for assessing and reporting District water supplies and use, including historical, current, and future assessments as required by District policy; California State Water Code; water rights, contracts, and agreements; state and regional planning agencies; legislative initiatives; and legal matters. WRPD is also responsible for calculating the water savings estimates for inclusion in the State Water Regional Control Board (SWRCB) Annual Report. WRPD reports/publishes water consumption data in the District's Urban Water Management Plan to meet the State's and Federal regulatory requirements. WRPD oversees the WCD Hub and Procedure 900.



The Office of Water Recycling of the Water Supply Improvements Division, which is located within the WNR, is responsible for assessing recycled water production and use from wastewater sources, as well as potable supplement and customer raw water use. The District recycled water use is reported annually with the potable supplement and other non-potable values to be retrieval through the Hub. The District's recycled water accounting terms and reporting responsibilities are defined in Procedure 901.

#### Operations and Maintenance Department (OMD)

OMD is responsible for measuring, collecting, retrieving, recording, validating, reporting, and making available metered water supply production and use data from the District's water treatment facilities.

#### Customer and Community Services Department (CUS)

The Customer Services Support Division of the CUS is responsible for storing metered water readings, calculating usage and charges from metered water readings, as well as accuracy of CW data, as described in the Data QA/QC section of this procedure. The Customer Services Support Division is also under contract to bill for other public agencies.

The Water Conservation Division (WCD) of the CUS is responsible for water conservation service, assessment and reporting current and projected water conservation savings by customer type and land use. The District's water conservation accounting terms and reporting responsibilities are defined in Procedure 902.

#### Information Systems Department (ISD)

The Applications Division (AD) of the ISD is responsible for developing and maintaining the repositories of the water consumption data. The AD development the WCD Hub that centralizes and meets water consumption query needs of District staff. AD is also responsible for implementing quality control procedures on the data. To ensure accuracy and consistency, all metered water consumption data to be released to the public should be retrieved via the sources listed in this Procedure. (See Metered Consumption Data: Retrieval/ Reporting section of this procedure).

#### Finance Department (FIN)

Treasury Operations of the FIN is responsible for tracking billed water use and revenue, including classification by customer and service area region for use in the District's financial planning and reporting. The water use reported by FIN is taken directly from CW and reflects the billed metered water consumption that was printed for customer statements during the reporting period. These consumption reports do not correspond to the monthly water consumption in the WCDW. Treasury Operations develops their short-term water consumption projections data that is reviewed by the Demand Projections Committee (DPC). FIN reports on water consumption and revenue to the Board of Directors on a monthly basis.

The Controller's Office of the FIN gathers information about water production for the District Annual Report "comparative highlights" section.

Wastewater Department (WWD)

The Environmental Services Division of the WWD is responsible for developing and assessing capacity fees, rates, and charges associated with wastewater services. The Environmental Services Division is responsible for determining wastewater flow for billing and verifying wastewater flows for facility planning and billing purposes. The WWD is also responsible for coordinating with the Office of Water Recycling to ensure non-potable water served within the District's recycled water systems is recorded and properly assessed to account for potable water makeup deliveries.

Engineering and Construction Department (ENG)

The Water Distribution Planning Division (WDPD) of the ENG is responsible for preparing the District's Demand Study Updates that forecast water use over a 30-year planning horizon by land use categories and census tracts; and for preparing Water Supply Assessments and Written Verifications of Sufficient Water Supply as required by the State Water Code. The WDPD chairs the DPC that is responsible for reviewing and approving demand projections that are reported by District staff.

Office of the General Manager (OGM)

The Communications Office of the OGM is responsible for ensuring consistent data on current and past water use that is provided to the media and used in publications and at community events attended by the District's Board of Directors, management and staff. Consistent data helps maintain customer and stakeholder confidence in the District; therefore the Communications Office should coordinate with the Project Management Office of the ADD on all metered water consumption data released to the public.

Demand Projections Committee (DPC)

The DPC members are representatives from each Department in the District described above. The DPC is chaired by WDPD. It is an inter-departmental committee that reviews and provides oversight of any short-term or long-term demand projections as well as providing feedback and guidance to Departments that are performing water use analysis.

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**Acronyms**

AD – Applications Division  
BCC – Business Classification Code  
CIS – Customer Information System  
CUS – Customer and Community Services Department  
CW – Customer Watch  
DPC – Demand Projections Committee  
EBMUD – East Bay Municipal Utility District  
ENG – Engineering and Construction Department  
FIN – Finance Department  
ISD – Information Systems Department  
OGM – Office of the General Manager  
OMD – Operations and Maintenance Department  
QA/QC – Quality Assurance/ Quality Control  
SI – Seasonal Index  
SWRCB – State Water Resources Control Board  
USBR – United States Bureau of Reclamation  
WCD – Water Conservation Division  
WCDW – Water Consumption Data Warehouse  
WNR – Water and Natural Resources Department  
WRPD – Water Resources Planning Division  
WWD – Wastewater Department

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**References**

Procedure 146 – Water Conservation Accounting and Reporting  
Procedure 708 – Facilities: Metering Water Consumption  
Procedure 901 – Recycled Water Accounting and Reporting  
EBMUD Urban Water Management Plan (2020)  
EBMUD Water Conservation Strategic Plan (2021)  
EBMUD Recycled Water Master Plan (2020)

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### Attachment A STANDARD REPORTS AND PUBLICATION DATES

| Dept | Report  | Board Action               | External Action    | Frequency                            | Month | FY <sup>1</sup> | CY <sup>2</sup> |
|------|---|----------------------------|--------------------|--------------------------------------|-------|-----------------|-----------------|
| WNR  | <b>Water Rights Reports</b><br><i>Annual reports submitted to the SWRCB summarizing the District's water use characteristics.</i>   |                            | Submitted to SWRCB | Annually                             | June  |                 | •               |
|      | <b>Urban Water Management Plan</b><br><i>A comprehensive report of water supply sources, production, usage, wastewater, recycled water and conservation. It is submitted to the California Department of Water Resources (DWR) and the U.S. Bureau of Reclamation.</i>  | Adoption with a Resolution | Submitted to DWR   | Every 5 years                        | July  | •               | •               |
|      | <b>Annual Water Supply and Demand Assessment</b><br><i>The Annual Assessment provides an estimate of the gap between demand for water and actual supplies available each year.</i>  |                            | Submitted to DWR   | Annually                             | July  |                 | •               |
|      | <b>Monthly Volumes Delivered</b><br><i>As a requirement of the District's CVP Contract, the District shall inform the USBR and the DWR in writing by April 30 of each year of the monthly volume of surface water delivered within the District's service area during the previous contract year (February-March).</i><br><br><i>A report that provides current information on the District's service area, supply and usage. It is submitted to the USBR as a requirement of the District's Central Valley Project (CVP) Contract.</i> |                            | Submitted to USBR  | Annually                             | April | •               |                 |
|      | <b>Municipal &amp; Irrigation Use</b><br><i>As a requirement of the District's CVP Contract the District shall inform USBR on or before the 20<sup>th</sup> of each month of the quantity of CVP water taken during the previous month.</i>   |                            | Submitted to USBR  | Monthly (after CVP water takes only) | All   |                 | •               |
|      | <b>Monthly Consumption/Production Values</b><br><i>As a requirement of the SWRCB, monthly values are required to be submitted by the 15th of each month for the water use in the prior month. Information on DMP measures implemented are required during drought periods</i>   |                            |                    |                                      |       |                 |                 |

# Water Consumption Accounting and Reporting

NUMBER: 900

PAGE NO.: 9

EFFECTIVE DATE: 17 MAY 23

| Dept                    | Report  | Board Action | External Action     | Frequency                          | Month   | FY <sup>1</sup> | CY <sup>2</sup> |
|-------------------------|---|--------------|---------------------|------------------------------------|---------|-----------------|-----------------|
| OMD                     | <b>Water Loss Audit Report</b><br><i>As a requirement of SB-555, the District produces a validated annual report on water use that must be certified by the GM. OMD compiles and produces the report, and WNR submits it.</i> |              | Submitted to DWR    | Annually                           | Jan     |                 | •               |
|                         | <b>Water Supply Operations Plan</b><br><i>The Plan describes the actual and projected water supply operations for the water year from October 1 to September 30 for the Mokelumne and the East Bay systems.</i>               |              |                     | Annually                           | May     |                 | •               |
|                         | <b>Water Supply Engineering Statistical Report</b><br><i>The Report provides an annual record of operation for the water supply system.</i>   |              |                     | Annually                           | Nov     | •               |                 |
| ENG                     | <b>Demand Study Update</b><br><i>A study using a land-use based methodology to forecast water distribution system demand for a 30-year planning horizon.</i>  |              |                     | Every 5-10 years                   | Varies  |                 | •               |
| FIN                     | <b>Financial and Statistical Report</b><br><i>A Blue Book that provides separate financial statements, flux analyses and water consumption for Water and Wastewater.</i>  |              |                     | Semi-Annually                      | Dec     |                 | •               |
|                         | <b>Comprehensive Annual Financial Report</b><br><i>The report represents the District's financial position and results of operations, and demographic and statistical information.</i>  |              |                     | Annually                           | Jun     | •               |                 |
| OGM<br>(Public Affairs) | <b>EBMUD Biennial Report</b> <i>External report representing District-wide activities and focus for two fiscal years. The report provides a summary of water programs and projects that are completed and underway.</i>       |              | Public Distribution | Annually                           | Dec-Jan | •               |                 |
|                         | <b>All About EBMUD</b><br><i>A report describing EBMUD's system.</i>  |              | Public Distribution | Biennially (last update 2018-2019) | Dec     | •               |                 |
|                         | <b>Reponses to Media Inquiries</b><br><i>Disseminates fiscal and calendar year information about water use in response to media inquiries, which are sometimes very time-sensitive and require prompt response.</i>           |              | Public Distribution | Annually                           | Varies  |                 |                 |

<sup>1</sup>/ Fiscal Year

<sup>2</sup>/ Calendar Year

## **Attachment 5: Memo – Summary of Water Consumption Data Hub Glossary Water Consumption Data Monthly Normalization**



## EAST BAY MUNICIPAL UTILITY DISTRICT

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DATE: March 27, 2025

MEMO TO: Sophia Skoda, Director of Finance

FROM: Phoebe Grow, Principal Management Analyst

SUBJECT: Monthly Normalized and Seasonally Adjusted Aggregates

### INTRODUCTION

The COS (Cost of Service) model uses the Monthly Normalized Aggregate formula and its seasonal variant, Seasonally Adjusted Monthly Aggregate to calculate the average and peak month consumptions for the different customer classes. In general, the District reads meters on a bimonthly basis,<sup>1</sup> with a small minority of meters being read on a monthly basis. As it is not always practicable to read meters at equal intervals, the period between reading dates may vary as much as five days less than thirty or sixty days and as much as eight days more than thirty or sixty days and still be considered one or two months for billing purposes. These formulas for the Monthly Normalized Aggregate and the Seasonally Adjusted Monthly Aggregate are necessary to adequately allocate water consumption to each month in the year.

### DISCUSSION

#### Monthly Normalized Aggregate

There are two steps in deriving the consumption in each month for a given bill.

1. Count the number of days billed in each month using the start and end date of the bill.
2. Distribute the total consumption to each of the months proportionally to the number of days in that month of the total days billed.

#### Example

Consider a bill for a single-family residence in Oakland that spans 62 days over three calendar months from July 25 to September 25 with a total usage of 10 ccf. Of the 62 days in this bill, 6 days are in July, 31 days are in August, and 25 days are in September. We estimate the usage in each month as:

Usage in July:  $10 \text{ ccf} * (6/62) = 0.9677 \text{ ccf}$

Usage in August:  $10 \text{ ccf} * (31/62) = 5.0000 \text{ ccf}$

Usage in September:  $10 \text{ ccf} * (25/62) = 4.0323 \text{ ccf}$

---

<sup>1</sup> The District conducts monthly meter reading for 805 of its nearly 400,000 water service accounts. The meters that are read monthly are generally associated with high-water use commercial/industrial accounts

## Seasonally Adjusted Monthly Aggregate

The Seasonally Adjusted Monthly Aggregate formula uses pre-defined seasonal indices. The Seasonally Adjusted Monthly Aggregate formula adds one additional layer on top of the Monthly Normalized Aggregate formula.

1. Weight the *number of days* in each month by the seasonal index for that month.
2. Calculate consumption in each month according to the monthly normalized aggregate formula using the newly calculated number of days per month.

### Example

Consider the same bill for a single-family residence in Oakland that spans 62 days over three calendar months from July 25 to September 25 with a total usage of 10 ccf. The single-family seasonal indices for July, August, and September are 1.18, 1.25, and 1.23 respectively. We normalize these seasonal indices and weight the number of days in each month as:

Weighted days in July:  $6 * 1.18 = 7.08$

Weighted days in August:  $31 * 1.25 = 38.75$

Weighted days in September:  $25 * 1.23 = 30.75$

Total number of days:  $7.08 + 38.75 + 30.75 = 76.58$

We estimate the usage in each month as:

Seasonally adjusted usage in July:  $10 \text{ ccf} * (7.08/76.58) = 0.9245 \text{ ccf}$

Seasonally adjusted usage in August:  $10 \text{ ccf} * (38.75/76.58) = 5.0601 \text{ ccf}$

Seasonally adjusted usage in September:  $10 \text{ ccf} * (30.75/76.58) = 4.0154 \text{ ccf}$



## **Attachment 6: East Bay Municipal Utility District Water Shortage Contingency Plan 2020**







# **WATER SHORTAGE CONTINGENCY PLAN 2020**

EAST BAY MUNICIPAL UTILITY DISTRICT





# EAST BAY MUNICIPAL UTILITY DISTRICT

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CLIFFORD C. CHAN • GENERAL MANAGER

---

MICHAEL T. TOGNOLINI • DIRECTOR OF WATER & NATURAL RESOURCES

---

LENA L. TAM • MANAGER OF WATER RESOURCES PLANNING

---

## PROJECT STAFF

---

### PROJECT MANAGER

[PRIYANKA K. JAIN](#) • SENIOR CIVIL ENGINEER • WATER RESOURCES PROJECTS

---

### PROJECT ENGINEER

[GINGER CHEN](#) • ASSOCIATE CIVIL ENGINEER • WATER RESOURCES PROJECTS

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## BOARD OF DIRECTORS

---

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[JOHN A. COLEMAN](#)

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[ANDY KATZ](#)

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[FRANK MELLON](#)

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[LESA R. MCINTOSH](#)

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[WILLIAM B. PATTERSON](#)

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[MARGUERITE YOUNG](#)

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# ATTACHMENT 1 - WATER SHORTAGE CONTINGENCY PLAN

## 1. WATER SHORTAGE CONTINGENCY PLAN (WSCP) OVERVIEW

Uncertainty is inherent in any future-oriented planning effort and is a driving factor in long-term water resources planning. Water supplies are constantly subject to uncertainties which directly affect the amount and timing of availability of the sources of water. The Water Shortage Contingency Plan (WSCP) provides a framework to help address water shortages that may occur. As noted in Chapter 2, there are many factors that create a high degree of unpredictability on both the supply and demand side, and with that understanding, EBMUD's WSCP considers a range of possible future scenarios considering both aspects of water resources, demand and supply. This approach is a shift from simply predicting and planning for a singular outcome as it anticipates a wide range of futures which then leads to developing a more resilient portfolio of response actions to manage changing conditions.

### 1.1 WSCP PURPOSE

EBMUD is responsible for providing drinking water to about 1.4 million people and ensuring a reliable supply of potable water is core to EBMUD's mission. As discussed in Chapters 2 and 4, EBMUD has implemented and is planning to implement numerous projects to ensure the reliability of its water supply, including developing supplemental water supplies and strengthening the resilience of critical infrastructure.

In addition to these efforts, EBMUD recognizes the need to have plans and procedures in place to respond to water shortages that may occur. Droughts, earthquakes that damage distribution infrastructure, Delta floods that impact aqueducts, power outages, fire, and other emergencies could impact EBMUD's ability to supply water to its customers. The purpose of the WSCP is to develop a coordinated response to these situations and to guide EBMUD's planning and response through thoughtful assessment and management of the water supply.

The WSCP defines an orderly process for collecting information on water supply availability, assessing conditions, determining fiscal actions, allocating resources, enforcing regulatory water use restrictions, monitoring customer response, and planning

and implementing drought communications. The WSCP describes EBMUD's actions to implement and enforce regulations and restrictions for managing a water shortage when it declares a water shortage emergency under the authority of the Water Code. It also describes EBMUD's planned actions to manage supply and demand before and during a water shortage to ensure a reliable water supply. In an emergency, the primary function of EBMUD's water supply system is to meet essential public health, safety, and firefighting needs.

The WSCP describes emergency readiness and response including efforts to coordinate with local, county, regional, state, and federal agencies. Section 4.7 on Emergency Preparedness describes EBMUD's roles and responsibilities to provide mutual assistance and highlights coordination with state agencies. This coordination aligns with the state's strategy to prepare for, respond to, and recover from droughts and water shortages as discussed in the California Drought Contingency Plan (CDCP) 2016. The goals of the CDCP that align with EBMUD's are to:

- meet essential human health and safety needs, by supplying adequate water supplies throughout a water supplier's service area for drinking, sanitation, and fire suppression, as a first priority;
- provide and maintain adequate protections for State and Federal endangered and threatened species and other fish and wildlife resources; and
- seek and consider water management flexibilities to maximize the benefit of limited water supplies.

The CDCP defines the roles and responsibilities of state agencies, establishes the structure for integrating state interagency planning, and identifies an integrated regional approach to assessing droughts, drought action levels, and appropriate agency responses as drought severity changes.

Consistent with the Delta Plan, the 2020 UWMP also includes an Enhanced Reliability Element that discusses EBMUD's plan for responding to possible interruption of water supplies resulting from catastrophic events impacting the Delta. This element is discussed in Appendix H.

## 1.2 WSCP REQUIREMENTS

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Section 10632 of the California Water Code requires UWMPs to include an urban water shortage contingency analysis. The relevant section of the Code is provided in Appendix A. As required by the Water Code, in 1992 EBMUD adopted its first WSCP, and the WSCP has continued to evolve since. It was updated in the 2010 UWMP to reflect the 2007-2010 drought period, the completion of the Freeport Regional Water Facility, and numerous other changes. In 2015, EBMUD revised its Drought Management Program (DMP) Guidelines and ordinances on excessive use and water theft to incorporate lessons learned from the recent drought.

In 2018, new legislation required replacing the water shortage analysis under the former law with the creation of a WSCP with several prescriptive elements. With this update in 2020, EBMUD modified its DMP to integrate the requirements of the 2018 legislation as well as incorporating additional lessons learned from the 2014-2016 drought.

## 2. WATER SUPPLY ANALYSIS

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As required by the Urban Water Management Planning Act - Section 10635, a water supply reliability assessment must compare future water demands and verifiable water supplies under multiple hydrologic conditions as both supply and demand can vary seasonally. EBMUD uses a water supply system model to assess the sufficiency and reliability of its long-term water supply by modeling its Mokelumne River and CVP water supplies against projected demands under three potential future scenarios. Consideration of scenarios in its long-term planning provides for a robust water supply portfolio in combination with a comprehensive Drought Management Program which allows for EBMUD to provide reliable water service in all year types.

### 2.1 MODELING METHODOLOGY

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For the 2015 UWMP and prior plans, the supply assessment was performed using EBMUD's water supply system Simulation Model (EBMUDSIM). Since 2018, the EBMUD has transitioned to using the RiverWare software, equipped with state-of-the-art simulation and accounting algorithms, as its tool to perform water supply mass balance modeling for the supply and demand analyses.

Historic hydrology is used to capture the variability of Mokelumne River water supply in the model. For the 2020 UWMP, hydrology from 1921 – 2015

was available for use in the water supply modeling. The water service reliability analysis assumes that any of the historical hydrologic sequences could reoccur in the future. In evaluating its water supply, EBMUD incorporates both upstream and downstream diversions by senior water right holders, existing water rights agreements and contractual obligations, flood control flow releases, and other in-stream flow requirements into the model. EBMUD is required to make in-stream flow releases per the terms of its JSA<sup>1</sup> with the U.S. Fish and Wildlife Service and the California Department of Fish and Wildlife. The model also allows for rationing levels, demands, and existing dry year supplemental supplies to be varied so as to be able to analyze for different scenarios or projections.

EBMUD uses historical hydrologic data to inform its modeling and planning for future droughts. During some historical dry periods when runoff from the Mokelumne River Basin was insufficient to meet service area demands, EBMUD relied on stored water in its reservoirs to meet most of its customers' water needs. The worst hydrologic drought event in EBMUD's history was the 1976-1977 drought, when runoff was only 25 percent of average and total reservoir storage decreased to 39 percent of normal. In September 1977, with an uncertain precipitation and runoff forecast for the following year, EBMUD continued to require its customers to ration water to avoid depleting system storage. Fortunately, a very wet year in 1978 followed the critically dry year of 1977 and contributed to the water system's rapid recovery.

EBMUD uses a three year "drought planning sequence" (DPS) to assess the adequacy of its water supply for long-term water resources planning. Model simulation of the first and second years of this DPS uses the actual runoff that occurred in 1976 and 1977, the driest recorded two-year period. The simulated runoff in the third year is 185 thousand acre-feet (TAF), which is the average of a number of hydrologic parameters from 1976 and 1977. EBMUD's water supply system model assumes that such a severe drought (1) would not continue beyond the third year of this sequence and (2) would result in all accessible storage being depleted during the third drought year.

EBMUD undertook an analysis to test the adequacy of the DPS for planning purposes. Because of the

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<sup>1</sup> EBMUD continues to meet its flow commitment to protect the lower Mokelumne River by providing instream flow releases from EBMUD's Camanche Dam to improve fishery conditions, per the requirements of the 1998 Joint Settlement Agreement (JSA) among EBMUD, US Fish and Wildlife Service, and the California Department of Fish and Wildlife.

persisting extreme dry conditions throughout most of California from 2012 through 2016, EBMUD analyzed the three-year DPS was in fact the most severe credible drought, in terms of significant impacts to available water supply to meet customer demands and other obligations, that should be considered in its planning. The evaluations found that, when the DPS was applied, it was the most severe drought in the historic record.

EBMUD uses a DPS to simulate the effects of a severe, multi-year drought as the basis of EBMUD's long-term water supply planning. New legislation (Senate Bill 606) also now requires the UWMP to include a drought risk assessment that examines water shortage risks for a drought lasting at least five consecutive years. There was a significant drought that occurred from 1987-1992 in the hydrologic period that affected EBMUD and is included in the analysis for this UWMP.

Computer simulations help evaluate the need for additional supplemental supplies in each modeled year. While modeling cannot predict the future, it does provide comparative analysis that can be used to gauge how the water supply system might perform under different scenarios. EBMUD's response to any specific situation will vary depending on the actual water supply and demand conditions and external factors such as regional to state-wide hydrology.

## 2.2 EXISTING DRY YEAR SUPPLIES

EBMUD's sources for its water supply projections include EBMUD's Mokelumne River flow entitlement, and water from Central Valley Project (CVP) diverted through the Freeport Facilities.

EBMUD uses historic Mokelumne River hydrology with inclusion of the DPS to determine supply availability scenarios from the Mokelumne River.

EBMUD holds a water service contract with the USBR to receive water from the CVP through the Freeport Regional Water Project in years when EBMUD's water supplies are relatively low. Specifically, EBMUD's contract allows it to receive CVP water in years when EBMUD's March 1 projection, as updated monthly through May 1, of its October 1 total stored water is forecast to be below 500 TAF. The contract enables EBMUD to receive up to 133,000 AF of CVP water in a single qualifying year, not to exceed a total of 165,000 AF over three consecutive qualifying years.

When deciding how much CVP water to request, EBMUD considers the following:

- Current projections of customer demand;
- Current projection of end-of-water-year total system storage, with reference to EBMUD's Drought Management Program;
- Likelihood that USBR will have sufficient water in the following year to allow EBMUD to receive the water under its contractual entitlement; and, remaining amount of the 165,000 AF three-year contractual quantity available to EBMUD in the current CVP contract year, based on deliveries taken by EBMUD in the preceding two CVP contract years.

In some dry years, there may not be sufficient water supplies for all CVP contractors to receive their full requested amount, and USBR may limit allocations. In August 2015, USBR released the final version of its Municipal and Industrial (M&I) Water Shortage Policy outlining how it will allocate water during years when there is not enough water to meet all CVP contractor requests. The policy provides for reduced allocations for M&I contractors in comparison to the contractually specified quantity. Whether allocations are reduced, and the extent of any reductions, depends on the quantity of water available to the CVP. The M&I Water Shortage Policy also states that USBR may increase the amount of water that the contractor receives above the reduced allocation to the extent needed to ensure that the contractor has enough supply to maintain a "Public Health and Safety" (PHS) level calculated in the manner described in the M&I Water Shortage Policy Implementation Guidelines and Procedures dated August 2015 and February 1, 2017.

For purposes of EBMUD's analysis in this WSCP, CVP allocations for each hydrologic year are assigned based on model results generated by Department of Water Resources (DWR) using the CalSim model. The DWR results show what the CVP allocation would have been in a particular hydrologic year given future build-out demands, regulations, and levels of development on the system. As a result, these allocations may differ from the historic allocations. For example, during a moderately dry year, the DWR CalSim allocation may be lower than the actual, historic allocation because the DWR CalSim results are based on a higher demand and level of development. In the most recent drought that occurred, EBMUD's CVP allocation



# ATTACHMENT 1 — WATER SHORTAGE CONTINGENCY PLAN

went as low as 25 percent and consequently the assessment analysis in the WSCP also includes a scenario to reflect this actual allocation.

The Bayside Groundwater Project, Phase I, was previously included in the 2015 UWMP as an available dry year supply. EBMUD, however, is currently in the process of developing the Groundwater Sustainability Plan for the East Bay Plain Sub-basin, and when the evaluation and recommendations become available, they will be included in the next update of the UWMP.

## 2.3 WATER SUPPLY PLANNING AND CLIMATE CHANGE

Climate change could impact EBMUD's ability to reliably provide water to its customers, with current climate change scenarios predicting an increase of the probability of occurrence of extreme weather events. Changes in precipitation and air temperature can impact the timing and quantity of water resources; long-term changes in maximum daily air temperature and rainfall predicted by available climate change models were reviewed to determine any impact to the water supply. Similar to the analysis done to look at climate change impacts on projected water demand (Chapter 3), the approach used for this study is based on guidance from California Department of Water Resources' expert advisory committee, the CCTAG<sup>1</sup>, on the use of climate models and associated technical tools for water resources planning.

To be consistent with the 2050 Demand Study climate change analysis, an ensemble of 10 GCMs for planning studies was used, since these models capture the range and uncertainty of future climate projections. The output for all GCMs and associated scenarios are available via Cal-Adopt.org. In selecting the worst-case scenario, RCP 8.5 scenario was considered for analyzing Mokelumne watershed. Chapter 3 of the UWMP provides more detail as to how this scenario was selected.

For air temperature change, the GCM model CanESM2 (Average) with RCP 8.5 (High Emission scenario) and GCM model HadGEM2-ES (Warmer/Drier) with RCP 8.5 (High Emission scenario) were considered. Figure W-1 presents the model output for annual average maximum air temperatures. Overall air temperatures are projected to rise substantially throughout this century. Data for the aforementioned models were downloaded from Cal-Adopt.org website and analysis was then performed in MS Excel. The plotted maximum air temperatures have a spread, or uncertainty band. Polynomial best-fit

line was applied to compute the air temperature change between years of interest from 2020 to 2045. The analysis for CanESM2 showed an approximate 2.4°C increase in 2045 from 2020, and an approximate 2.5°C increase for HadGEM2-ES.

The air temperature increases for both CanESM2 and HadGEM2-ES models are within the range of the analysis done by EBMUD and referenced in the 2015 UWMP climate change scenario. In 2015, EBMUD looked at three possible scenarios related to climate change: a 2°C increase in average air temperature; a 4°C increase in average air temperature; and a 20% reduction in precipitation. These scenarios provide an initial framework to understand potential climate change impacts.

An increase in average air temperature is predicted to shift the timing of runoff, as snowpack melts earlier in the year, or as precipitation falls as rain instead of snow. In order to model this effect, EBMUD used result of its Water Supply Management Plan (WSMP) 2040 study<sup>2</sup> on climate change and applied them to updated conditions and assumptions. The WSMP 2040 study used a Mokelumne Watershed Digital Elevation Model (DEM) coupled with a Geographic Information System (GIS) to estimate potential impacts of increased air temperature on precipitation. The DEM data was used to develop an elevation-area relation from which watershed land area above/below specified contour lines were estimated. EBMUD used snow survey data to develop snow water equivalent (SWE) data. The data were used as input for multiple linear regressions calculating a relationship between monthly air temperature, precipitation, and SWE at five snow courses over the historical record. The regression equations were then used to estimate SWE under the scenarios with 2°C and 4°C increases in air temperature.

EBMUD also evaluated a 20% reduction in precipitation. A 20% reduction in precipitation was assumed to correspond to a 20% reduction in runoff. EBMUD reduced the runoff in its historic hydrology accordingly.

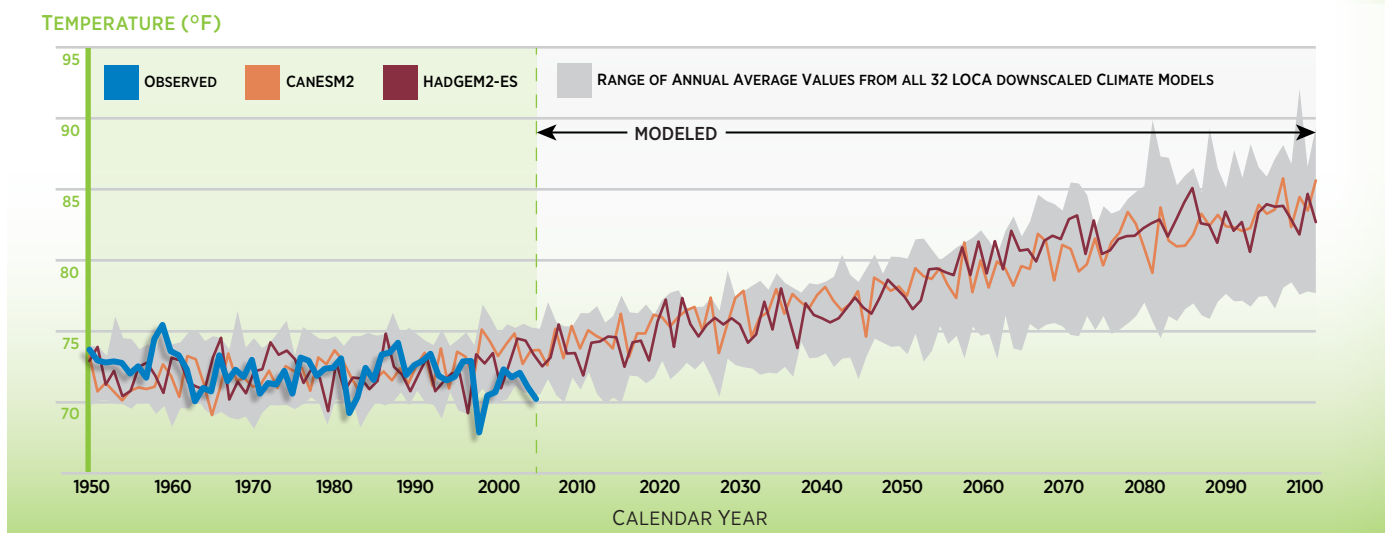
Each of the climate change scenarios was run through a Visual Basic Script adjusting PG&E operations upstream accordingly. The resulting regulated flows

<sup>1</sup> DWR, CCTAG, August 2015. Perspectives and Guidance for Climate Change Analysis.

<sup>2</sup> The Water Supply Management Program (WSMP) 2040 was a program-level effort that looked at EBMUD's water supply needs over a thirty-year planning horizon and proposed a diverse portfolio of policy initiatives and potential projects to pursue. The final plan was adopted by EBMUD Board of Directors on April 24, 2012.

FIGURE W-1

## ANNUAL AVERAGE MAXIMUM TEMPERATURE



were then input into the EBMUDSIM model. Although EBMUD has transitioned to using the Riverware model for its supply and demand assessment, the climate change analysis and evaluation based on the aforementioned hydrologic scenarios that was provided in the 2015 UWMP is still informative.

The results from the analysis illustrated potential impacts to EBMUD, depending on how climate change affects EBMUD specific watershed. It is important to note that the modeling of climate change is still an imperfect science, especially at the level of granularity required to study a specific watershed. There is no standard model that is used to quantify the effects of climate change on watershed hydrology. While it is difficult to quantify the exact impacts of climate change, EBMUD's modeling does provide useful information on the potential qualitative impacts.

The scenarios that modeled an increase in average air temperature included a shift in runoff patterns, with some spring snow melt runoff arriving earlier as winter rain runoff. However, the Mokelumne River has storage that helps to attenuate the effects of the change in runoff pattern so as to minimize its effects on EBMUD's customers. For example, there are reservoirs upstream of Pardee and Camanche Reservoirs that would act to regulate runoff.

Modeling showed that winter runoff was caught and stored in the upstream reservoirs, then released in the spring and summer in a timeline similar to what EBMUD experiences now. These scenarios do result in small changes in total system storage and rationing, but the need for water was not affected in the time horizon considered. EBMUD will conduct

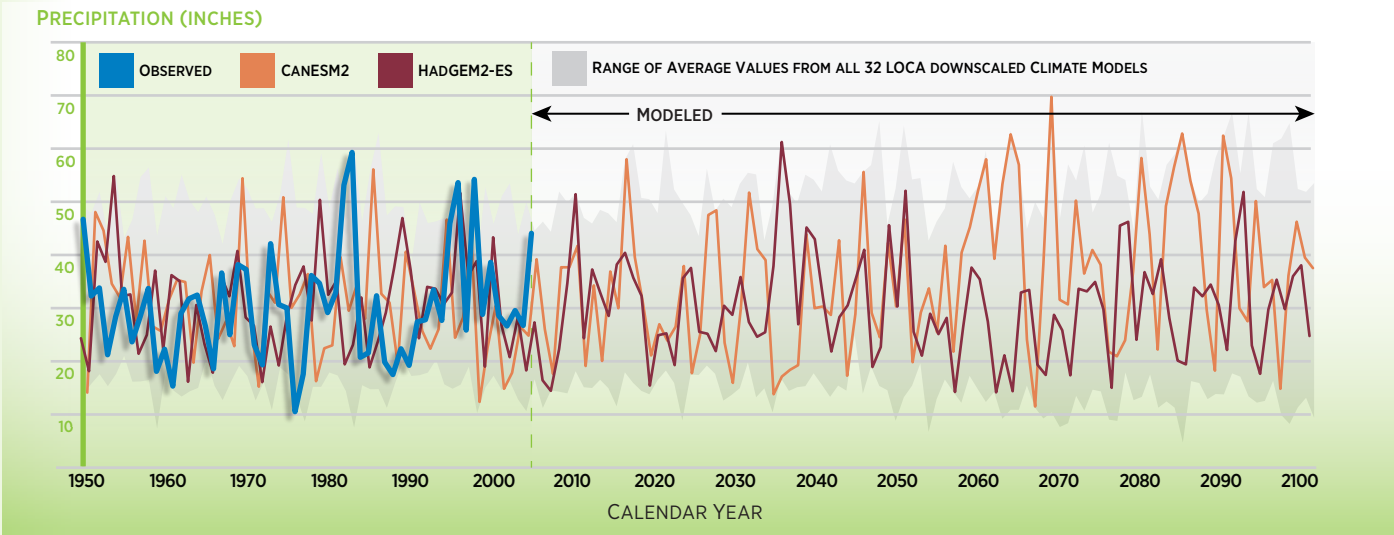
further research and data gathering on runoff forecasting and shifts and operations of reservoirs in the upper Mokelumne watershed and of Pardee and Camanche to better understand the impacts to water supply for the next update of the UWMP.

The other climate change scenario that was evaluated, which focused on a 20% overall reduction in watershed runoff, created more substantial changes than the scenarios focusing on air temperature change. The reduction in runoff scenario showed a significant increase in the need for water as well as an increase in the overall amount of rationing experienced by EBMUD customers. It is important to note that among several models, precipitation projections do not show a consistent trend during the next century. The GCM model output showed high variability in rainfall as well and therefore high uncertainty in the forecasts. Figure W-2 depicts annual average precipitation, and on average, the projections show little change in average annual precipitation.

Due to the high variability and thereby the high uncertainty, more refined analysis, using EBMUD's new water supply system model and improved data science, will be performed with an approach that looks at extreme shifts that may occur within the precipitation range. The results will then be evaluated to understand the potential impacts and how EBMUD will plan to address those potential impacts. These response actions would build upon the current plan of developing a diversified and resilient portfolio to help adaptively manage for long-term water supply planning.

FIGURE W-2

ANNUAL AVERAGE PRECIPITATION



2.4 SCENARIO DEVELOPMENT

For the 2020 UWMP supply-demand analysis, EBMUD evaluated several different scenarios to assess its need for water under potential future conditions. The rationale for developing these scenarios is to capture uncertainty in long-term planning. Traditionally, long-term demand forecasts have been and continue to be used for identifying the timing and magnitude of future water supply needs. However, there is a growing recognition that factors used in making projections are based on assumptions that may be different in the future. Scenarios were developed based on plausible assumptions in both demand and supply availability. Table W-1 shows additional details on how these scenarios were developed and the assumptions that were included in them.

Base Condition

The base condition scenario represents EBMUD’s current operations and assumptions. This scenario uses EBMUD’s historic hydrology - with the DPS - to assess the historic water supply against each of the future demands projected in the 2050 Demand Study. In addition to the Mokelumne River supply, it is assumed that EBMUD will receive its requested allocation of CVP supply subject to the M&I Shortage Policy using the modeled yearly CVP allocations provided by USBR<sup>1</sup>. For this scenario, CVP supplies began delivery in May of the first year of drought. The triggers to take delivery of CVP water and implement rationing are followed as outlined in DMP Guidelines.

A Normal Water Year is a year that EBMUD does not need to implement any DMP measures. A Single Dry Water Year is determined to be a year that EBMUD would implement DMP elements, which includes obtaining CVP water deliveries and setting voluntary rationing goal between 0 to 10%. Year 2 being the second consecutive dry year is determined as a year that EBMUD would implement DMP elements, which includes continuing to obtain CVP water deliveries and setting a mandatory rationing between 10 – 15%.

| SUPPLY-DEMAND SCENARIOS MODELED BY EBMUD |                                     |  |
|--|-------------------------------------|--|
| TABLE W-1                                |                                     |  |
| SCENARIO                                 | DROUGHT PLANNING PERIOD             | ASSUMPTIONS  |
| UWMP BASE CONDITION                      | 1976-1978 DROUGHT PLANNING SEQUENCE | CVP SUPPLIES ARE AVAILABLE WHEN NEEDED SUBJECT TO M&I WATER SHORTAGE POLICY AS MODELED BY DWR. |
| HIGH DEMAND                              | 1976-1978 DROUGHT PLANNING SEQUENCE | HIGH WATER DEMAND CONDITION MODELED THE UPPER END OF THE DEMAND PROJECTION.                    |
| EXTREME DROUGHT                          | 1976-1978 DROUGHT PLANNING SEQUENCE | CVP ALLOCATION REDUCED TO 25% IN SECOND AND SUBSEQUENT YEARS OF DROUGHT.                       |
| FIVE-YEAR HISTORICAL DRY PERIOD          | 1987-1992 DROUGHT                   | MEET LEGISLATIVE REQUIREMENT OF LOOKING AT A FIVE YEAR CONSECUTIVE DROUGHT.                    |

<sup>1</sup> The Final State Water Project Delivery Capability Report 2019. August 26, 2020.

Year 3 being the third consecutive dry year is determined as a year that EBMUD would implement DMP elements which includes obtaining CVP water deliveries and implementing mandatory rationing of 15%.

## High Water Demand Scenario

The Planning Level of Demand (PLOD) presented in Table W-2 was developed using predictions of changes in land use, climate, and existing customer water demands. However, uncertainty exists in the predictions used to develop the PLOD. To account for this uncertainty in the long-term planning, EBMUD modeled a High Water Demand scenario where the upper end of the demand projection was selected for analysis.

## Extreme Drought Scenario

To reflect what can and did occur during the most recent drought, this scenario looks at a reduced allocation of CVP supplies to 25% in drought Year 2 and 3 of the DPS. As discussed earlier, EBMUD's CVP supply is subject to USBR's M&I Shortage Policy. USBR indicated in that policy that, depending on CVP water supply conditions and operational constraints, it is possible for M&I deliveries to be reduced to below 50%. In 2015, EBMUD only received 25% allocation. Therefore, for this scenario, EBMUD takes CVP water when Stage 2 of the DMP is triggered and assumes that only 25% of CVP allocation is received.

Another constraint that occurred in the most recent drought period was curtailments of water diversions. In June 2014 through the Fall of 2014, and then again in May 2015 and through the Fall of 2015, the State Water Resources Control Board curtailed water diversions by EBMUD and all other post-1914 water rights holders.

The additional flow released downstream in the Mokelumne River due to curtailments in 2014 and in 2015 was 10 TAF and 25 TAF, respectively.

Although it occurred, curtailment is not included in the Extreme Drought Scenario analysis due to the complexity of determining how and when curtailments would be mandated in the future. Consequently, the impacts of curtailments on water supply availability cannot be quantified at this time. However, based on the reduced CVP allocation assumption, EBMUD's total available water supply storage is essentially empty near the end of the second year of a drought period and the entire third year of the drought period. Any additional reduction of available water supply would result in a direct change in the amount of water that is delivered to EBMUD customers and would result in an additional need for water.

## Five-Year Historical Dry Period

Recent updates to the Urban Water Planning Act now require water agencies to assess water supply and demand during a five-year drought. To meet this new requirement, EBMUD looked at the hydrologic record and focused on the 1987-1992 drought period. Base Condition, High Demand, and Extreme Drought scenarios were analyzed for this five-year drought period.

## 2.5 SCENARIO ANALYSIS RESULTS

### Base Condition Scenario Results

EBMUD modeled its system in the UWMP Base Condition Scenario according to the updated DMP guidelines. The 2020-2050 demand projects were modeled against EBMUD's historic 1921-2015 hydrology to determine

TABLE W-2

|   | AVERAGE ANNUAL DEMAND PROJECTIONS BY<br>CUSTOMER USE CATEGORY (MGD) |            |            |            |            |            |            |
|---|---|------------|------------|------------|------------|------------|------------|
|   | 2020  | 2025       | 2030       | 2035       | 2040       | 2045       | 2050       |
| SINGLE-FAMILY RESIDENTIAL                     | 115   | 117        | 119        | 121        | 125        | 126        | 129        |
| MULTI-FAMILY RESIDENTIAL                      | 40  | 44         | 48         | 52         | 59         | 63         | 67         |
| INSTITUTIONAL                                 | 17  | 18         | 20         | 21         | 22         | 24         | 26         |
| INDUSTRIAL                                    | 33  | 35         | 35         | 36         | 36         | 37         | 37         |
| COMMERCIAL                                    | 16  | 18         | 19         | 21         | 22         | 24         | 25         |
| IRRIGATION                                    | 13  | 13         | 13         | 13         | 13         | 13         | 13         |
| <b>TOTAL</b>                                  | <b>234</b>  | <b>245</b> | <b>254</b> | <b>264</b> | <b>277</b> | <b>287</b> | <b>297</b> |
| WATER CONSERVATION                            | -48   | -53        | -58        | -61        | -63        | -65        | -66        |
| NON-POTABLE WATER                             | -5  | -6         | -6         | -9         | -13        | -13        | -13        |
| <b>PLANNING LEVEL OF<br/>DEMAND (ROUNDED)</b> | <b>181</b>  | <b>186</b> | <b>190</b> | <b>194</b> | <b>201</b> | <b>209</b> | <b>218</b> |



# ATTACHMENT 1 — WATER SHORTAGE CONTINGENCY PLAN

system reliability during normal years, single dry years, and the three-year DPS.

The results of this analysis provided in Table W-3, show that under base condition assumptions, EBMUD can meet customer demand out to 2050 during normal years and single dry years; however, during multi-year droughts, even with customer demand reduction measures in place, EBMUD will need to obtain supplemental supplies to meet customer demands.

## 2.6 FINDINGS FROM OTHER SCENARIOS

All except the five-year drought scenario shows a need for water in the future, but the magnitude of that need varies.

### High Water Demand Scenario Results

With higher water demands, EBMUD's water supplies are reduced more rapidly than in the Base Condition Scenario, and the DMP is triggered sooner, reaching mandatory rationing in Year 2 of the DPS. In Year 3 of the DPS, with the combination

of a greater supply deficit and increased demands, there is a significant increase in the need for water. Table W-3 provides the results of the analysis for this scenario, focusing in on Year 3 of the DPS.

### Extreme Drought Scenario Results

The extreme drought scenario did not change significantly from Base Condition because CVP diversions, although reduced in years 2 and 3, were available throughout the drought period analyzed. Figure W-3 shows the results of the supply and demand assessment in year 3 of the DPS for each of the three scenarios evaluated.

### Five-Year Historical Dry Period Scenario Results

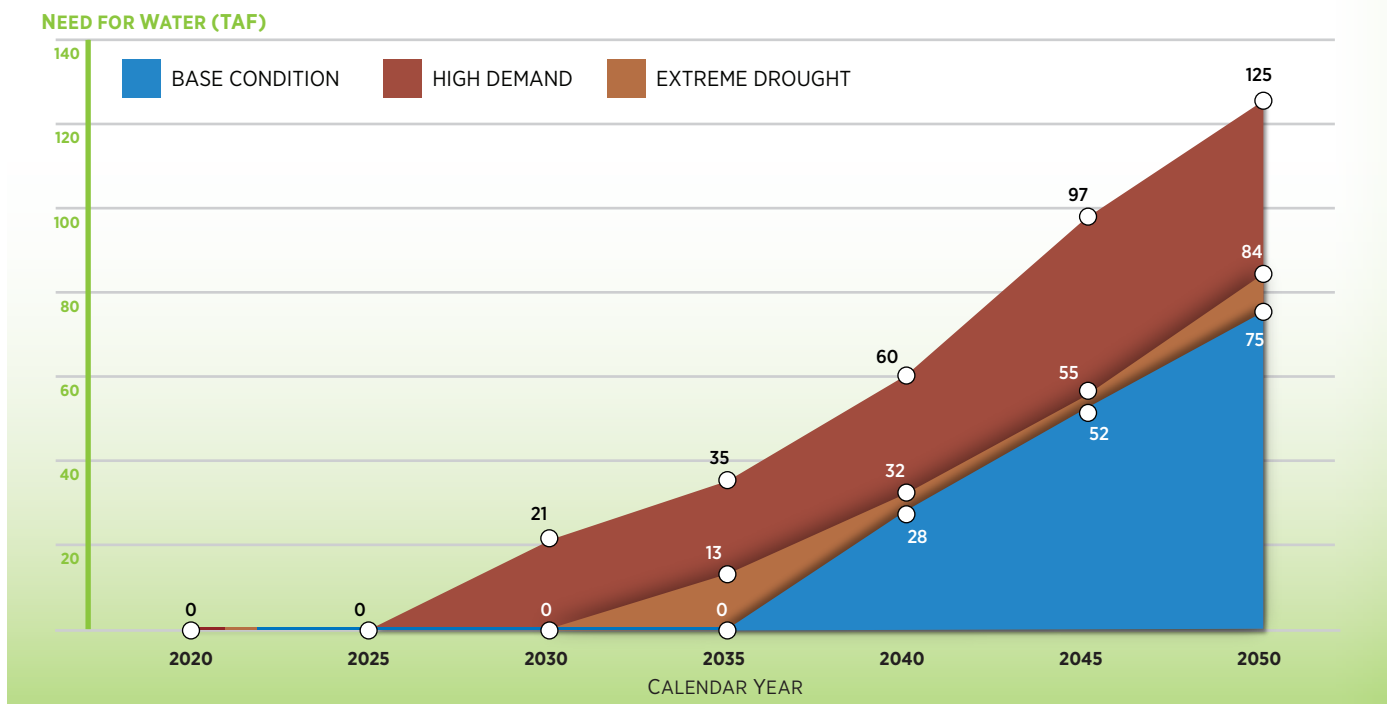
The five-year drought period evaluated is longer than the DPS, however it does not have any single year that is as critically dry as what occurs in 1977 in the DPS. The results show overall there are not many changes between scenarios during the five-year drought. The High Demand scenario creates a consistent average

**TABLE W-3** **SUPPLY & DEMAND ASSESSMENT, 2020-2050**

| EBMUD PLANNING LEVEL OF DEMAND (PLOD) |   | 2020 | 2025 | 2030 | 2035 | 2040 | 2045 | 2050 |
|---------------------------------------|---|------|------|------|------|------|------|------|
| NORMAL YEAR                           | MOKELUMNE SUPPLY (MGD)                          | >181 | >186 | >190 | >194 | >201 | >209 | >218 |
|                                       | EBMUD PLANNING LEVEL OF DEMAND (PLOD) (MGD)     | 181  | 186  | 190  | 194  | 201  | 209  | 218  |
|                                       | NEED FOR WATER (TAF)                            | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| SINGLE DRY YEAR                       | MOKELUMNE SUPPLY (MGD)                          | 121  | 126  | 129  | 132  | 138  | 144  | 151  |
|                                       | CVP SUPPLIES (MGD)                              | 60   | 60   | 60   | 60   | 60   | 60   | 60   |
|                                       | TOTAL SUPPLIES (MGD)                            | 181  | 186  | 189  | 192  | 198  | 204  | 211  |
|                                       | VOLUNTARY RATIONING (%)                         | 0    | 0    | 1    | 1    | 2    | 2    | 3    |
|                                       | NEED FOR WATER (TAF)                            | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| SECOND DRY YEAR                       | MOKELUMNE SUPPLY (MGD)                          | 82   | 86   | 89   | 92   | 98   | 104  | 111  |
|                                       | CVP SUPPLIES (MGD)                              | 74   | 74   | 74   | 74   | 74   | 74   | 74   |
|                                       | TOTAL SUPPLIES (MGD)                            | 156  | 161  | 164  | 167  | 172  | 178  | 185  |
|                                       | MANDATORY RATIONING (%)                         | 13   | 13   | 13   | 14   | 14   | 14   | 15   |
|                                       | NEED FOR WATER (TAF)                            | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| THIRD DRY YEAR                        | MOKELUMNE SUPPLY (MGD)                          | 141  | 145  | 146  | 145  | 132  | 118  | 105  |
|                                       | CVP SUPPLIES (MGD)                              | 12   | 12   | 12   | 12   | 12   | 12   | 12   |
|                                       | TOTAL SUPPLIES (MGD)                            | 153  | 157  | 158  | 157  | 144  | 130  | 117  |
|                                       | MANDATORY RATIONING (%)                         | 15   | 15   | 15   | 15   | 15   | 15   | 15   |
|                                       | NEED FOR WATER - BASE CONDITION (TAF)           | 0    | 0    | 0    | 0    | 28   | 52   | 75   |
|                                       | NEED FOR WATER - HIGH DEMAND SCENARIO (TAF)     | 0    | 0    | 21   | 35   | 60   | 97   | 125  |
|                                       | NEED FOR WATER - EXTREME DROUGHT SCENARIO (TAF) | 0    | 0    | 0    | 13   | 32   | 55   | 84   |

FIGURE W-3

DPS WITH THREE SCENARIOS



reduction in storage compared to Base Condition. The Extreme Drought scenario oscillates from matching Base Condition to results that are similar with the High Demand scenario. Overall, EBMUD's storage has sufficient water supply from 1987 through 1992 during all three potential scenarios – Base Condition, High Demand, and Extreme Drought.

### 3. ANNUAL WATER SUPPLY AND DEMAND ASSESSMENT PROCEDURES

EBMUD has developed a process and policies for monitoring, assessing, and responding to annual water supply availability. EBMUD's Water Supply Availability and Deficiency Policy 9.03 (Appendix G) describes its process for evaluating the adequacy of its water supplies every year. Since the early 1980s, EBMUD has been doing annual water shortage assessments to help make informed decisions on water supply management.

#### 3.1 WATER SUPPLY AVAILABILITY & DEFICIENCY POLICY

Under the Policy, EBMUD's Board of Directors receives a preliminary Water Supply Availability and Deficiency (WSADR) by March 1 of each year evaluating the adequacy of that year's water supply if the year is anticipated to be a Dry or Critically Dry Year. The Board of Directors adopts a final

WSADR in April, which updates the water supply projections based on the April 1st snow survey by DWR. These reports inform decisions by EBMUD's Board of Directors regarding whether to declare a water shortage emergency and implement a drought management program, institute mandatory water use reductions, and/or obtain/pursue supplemental supplies. The 2020 WSADR is provided as a sample in Appendix K. The WSADR will be the basis for the annual water shortage assessment report submittal to DWR as required by California Water Code section 10632.1. DWR has indicated it will begin requiring these submittals by 2022.

#### 3.2 DECISION-MAKING TIMELINE & PROCESS

If water supplies are severely depleted, EBMUD's Board of Directors may declare a water shortage emergency and implement the Drought Management Program (DMP), which is designed to provide guidance to minimize drought impacts on its customers while continuing to meet stream flow release requirements and obligations to downstream Mokelumne River water users. Following the declaration of a water shortage emergency, depending on drought stage, EBMUD's Board of Directors may put into effect certain regulations, ordinances, and surcharges. The Board may also

# ATTACHMENT 1 — WATER SHORTAGE CONTINGENCY PLAN

implement the DMP in the absence of a declaration of water shortage emergency if the supplies are moderately depleted or the State mandates water use restrictions. The DMP guided EBMUD in successfully managing water demand during mandatory and voluntary rationing periods in 1976-1978, 1987-1994, 2007-2010, and 2014-2016 when supplies were limited. Table W-4 shows the rationing levels that EBMUD has historically set, starting with the 1976 drought period.

EBMUD begins drought preparations early in the calendar year if there is potential for a water shortage. Figure W-4 shows the timeline of a typical dry year, marking when EBMUD makes key decisions about that year's water supply. As illustrated, EBMUD determines drought actions involving rationing levels, state and federal mandates, and acquiring supplemental supplies based on projections of end of the water year storage. Often EBMUD must make these decisions as hydrologic conditions continue to evolve.

EBMUD monitors water supply conditions and projected runoff into EBMUD reservoirs. Beginning in January, EBMUD assesses the potential for a shortage and, if warranted, convenes EBMUD's Drought Committee. This committee includes senior staff representing key functions that are affected and involved in customer response to drought.

As discussed earlier, the final WSADR is adopted by May 1 of each year. The WSADR is based on EBMUD's projected end of September storage which includes water supplies from local, Pardee and Camanche reservoirs. Based on this report, the Board may declare one of the four stages of drought and activate the DMP depending on the projected end of the water year water storage. The adopted stage of drought helps determine the need for dry year supplemental supplies and customer water use reductions. Depending on the projected level of storage, the Board may also decide to request CVP supplies from USBR and/or secure water transfers. Section 2 above, Water Supply Reliability Analysis, discusses EBMUD's CVP supplies and how these supplies factor into drought planning. EBMUD submits an initial schedule of requested CVP deliveries to USBR by March 1. However, as conditions change, EBMUD may modify the requested quantity or timing of CVP deliveries, up to the maximum quantity allocated by USBR in that particular year or may cancel previously made requests as needed.

Throughout the year, EBMUD continues to monitor the water supply and the impacts on demand of any

voluntary or mandatory rationing policy. As warranted by the water supply status and the DMP guidelines, the Drought Committee initiates response activities and sets timelines for these activities. The Drought Committee manages program implementation and monitors and reports on activities and results.

In multi-year droughts, EBMUD begins planning in the fall for the following year's water supply needs in anticipation of continuing dry year conditions. Depending on the level of uncertainty regarding the availability of water transfers and the length of time required to secure permitting and regulatory approvals, EBMUD must begin planning to secure water transfers early if EBMUD anticipates there may be a need the next year. This includes discussions with potential sellers and preparation of necessary environmental reviews that would be required to implement the water transfer.

## 3.3 DATA AND METHODOLOGIES FOR SHORT-TERM DEMAND FORECAST

EBMUD has developed an annual demand projection methodology that is used for operational planning. Water treatment plants produce water demand data that is then used to make correlations with current water year estimates combined with screening historical demand patterns and trends to make a new

**TABLE W-4** **HISTORIC RATIONING LEVELS**

| DATE       | RATIONING LEVEL                      |
|------------|--------------------------------------|
| 05/25/1976 | VOLUNTARY CONSERVATION, NO LEVEL SET |
| 02/08/1977 | 25% MANDATORY                        |
| 04/26/1977 | 35% MANDATORY                        |
| 01/24/1978 | VOLUNTARY CONSERVATION, NO LEVEL SET |
| 04/14/1987 | 12% VOLUNTARY                        |
| 05/09/1989 | 25% RATIONING                        |
| 09/12/1989 | 15% VOLUNTARY                        |
| 02/26/1991 | 15% MANDATORY                        |
| 04/09/1991 | 15% MANDATORY                        |
| 04/14/1992 | 15% MANDATORY                        |
| 03/09/1993 | 10% VOLUNTARY                        |
| 04/26/1994 | VOLUNTARY CONSERVATION, NO LEVEL SET |
| 05/01/1994 | 15% VOLUNTARY                        |
| 04/24/2007 | 15% VOLUNTARY                        |
| 05/13/2008 | 15% MANDATORY                        |
| 05/12/2009 | 10% VOLUNTARY                        |
| 02/11/2014 | 10% VOLUNTARY                        |
| 04/22/2014 | 10% VOLUNTARY                        |
| 12/09/2014 | 15% VOLUNTARY                        |
| 04/14/2015 | 20% MANDATORY                        |

demand projection. The annual projection is then partitioned into projected average monthly demands based on the historical monthly distribution. In recent years, the new annual demand projections take into account water conservation. An assessment on availability of supply takes into account projection of runoff based on DWR's snow survey, Mokelumne River diversions based on water rights terms, agreements, as well as the instream environmental flow requirement and expected diversions by riparian and senior water rights holders. The annual assessment, driven by hydrological conditions and analyzed using a stochastic spreadsheet model, is evaluated against the criteria established in the DMP to make a determination of water availability and if necessary, implementation of any potential response actions. The results of the assessment and all relevant operational decisions are captured in the annual water operations plan. This plan is a dynamic document as hydrologic conditions and forecasts can change significantly through the winter and spring months.

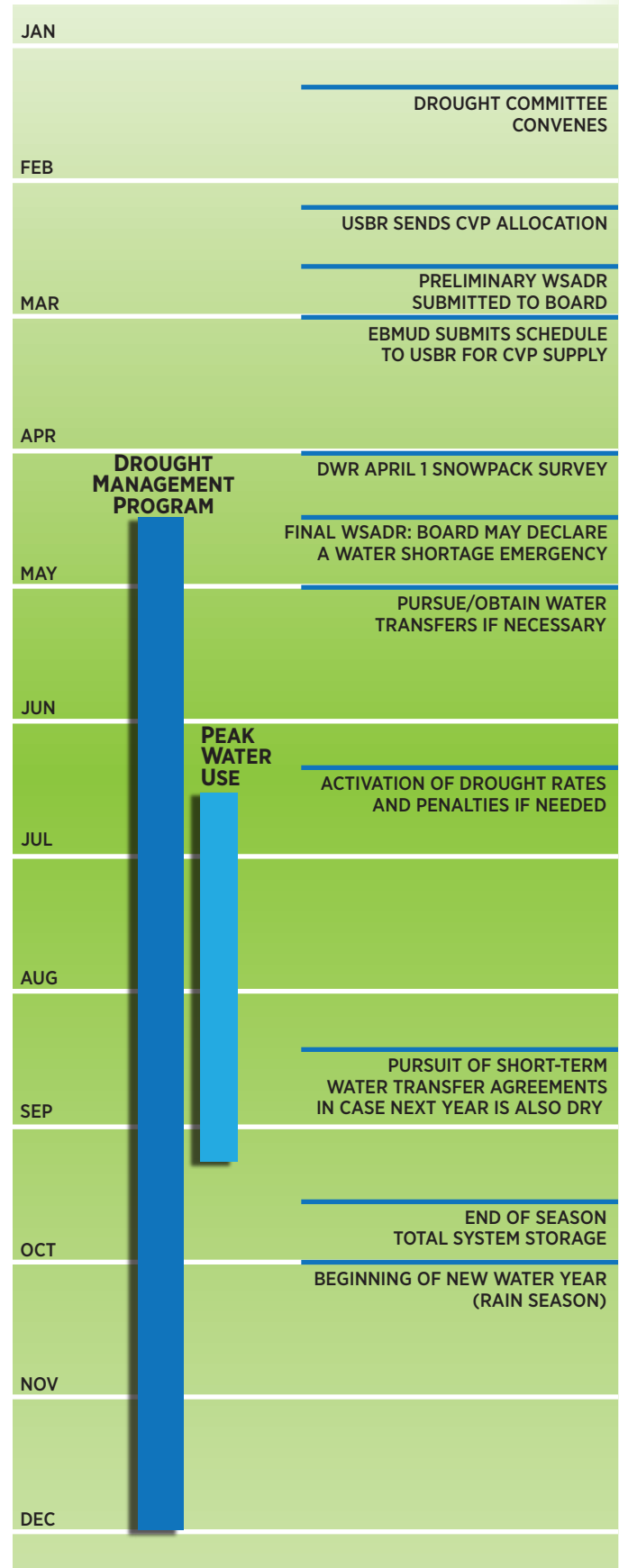
### 3.4 WATER OPERATIONS DURING DROUGHT

The 2014-2016 drought was the first time the EBMUD delivered water from the Freeport facilities, and valuable lessons were learned regarding water operations. The key findings from the 2016 Freeport Regional Water Project (FRWP) operation are: (1) take delivery of the supply as early as possible in the drought sequence to maximize delivery of the lower-cost drought supply, (2) maximize production at the West of Hills water treatment plants, and (3) manage the terminal reservoirs to maximize available space for storage. These lessons were incorporated into the DMP and operational decision-making processes moving forward.

#### Obtaining Dry Year Supply Early

EBMUD's CVP allocation was reduced by 50 percent in the contract year 2014 and by 75 percent in contract year 2015 as the CVP was faced with increasing demands and reduced supplies as the drought continued. EBMUD made up for the reduced allocation by purchasing transfer water in 2015 and by securing options to purchase transfer water for 2016. The transfer water was more expensive than the CVP water and may not have been necessary had CVP water been available. Therefore, EBMUD will maximize delivery of lower-cost drought supply at the start of the drought.

**FIGURE W-4** **TYPICAL DRY YEAR DECISION MAKING TIMELINE**





Maximize Production at West of Hills (WHO) Water Treatment Plants

The delivery quantity of dry year supply water can be maximized when the treatment rate of this water matches the delivery rate. When dry year water was delivered at a greater rate than it could be treated, it increased the storage levels in USL and San Pablo reservoirs within the service area. This limited the reservoirs’ ability to store runoff and increased the risk of spill.

In 2016, the treatment rates at conventional WTPs could not be maximized, because in-line Orinda WTP needed to operate at a lower rate, which would allow more dry year supply water to be treated at the conventional WTPs. Improvements at Orinda WTP will be completed as a part of the WTP infrastructure improvements project so Orinda WTP can operate at a lower rate so more dry year supply water can be treated at the West of Hills plants. Chapter 4 of the UWMP discusses in more detail the infrastructure improvements project.

Terminal Reservoir Management

At the start of the 2015 FRWP operation, the dry year supply could only be delivered to USL and San Pablo reservoirs and treated at the associated conventional WTPs. Because the rate of FRWP delivery exceeded the rate of treatment at the conventional plants, terminal reservoir capacity needed to be made available to maximize delivery rates. This was accomplished by operating the Sobrante and USL WTPs in advance of the FRWP delivery so that San Pablo and USL reservoirs began the FRWP operation at the lower end of their operating ranges. This practice will be continued in future FRWP operations.

4. WATER SHORTAGE LEVELS AND SHORTAGE RESPONSE ACTIONS

EBMUD’s Drought Management Program provides a framework to manage customer demand and pursue a diversified portfolio to reach a goal of providing 85 percent reliability for customers in EBMUD’s service area while continuing to meet all stream flow obligations on the lower Mokelumne River. The DMP guided EBMUD in managing demand and supply during the 2014-16 drought when mandatory and voluntary rationing was imposed, and water supplies were limited. During that recent drought, EBMUD faced unanticipated constraints and updated and implemented measures to assist with demand and supply management. The DMP was revised to reflect lessons learned and actions that were taken.

EBMUD performed modeling to better understand the effects of various actions on operations, in-stream flow requirements, and customer rationing. The results provided a basis to develop the revised drought stages and associated response actions as outlined in Figure W-5.

EBMUD declares different drought stages based upon projected end-of-September total system storage with the Normal Stage corresponding to a normal water year condition in which no demand or supply management measures need to be implemented. Each stage thereafter is associated with recommendations for requesting CVP water or additional dry year water supplies that could be obtained in combination with the level of customer demand reduction that may be requested.

Table W-5 shows the link between the drought stages and rates, penalties, and regulations in effect. Beginning in Stage 2, EBMUD may apply a drought surcharge to help recover costs, as discussed in more detail in the Financial Consequences of WSCP. In Stages 3 and 4, the Excessive Use Penalty Ordinance and Section 28 of EBMUD’s Regulations Governing Water Services may come into effect.

Table W-6 shows the types of programs and actions that EBMUD might undertake at each stage of drought. The triggers to implement water shortage response action are defined by the TSS.

The availability of water to EBMUD may be impacted depending on the nature of an emergency. In such cases, EBMUD would determine the applicable shortage response actions as outlined in this WSCP.

| TABLE W-5   |  | DROUGHT MANAGEMENT PROGRAM GUIDELINES               |
|---|--|---|
| STAGE   | RATE/PENALTY IMPACTS                                       | REGULATIONS IN EFFECT OR POTENTIALLY ENACTED        |
| 0 NORMAL  | NORMAL RATES   | SECTION 29  |
| 1 MODERATE  | NORMAL RATES   | SECTION 29  |
| 2 SIGNIFICANT   | NORMAL RATES<br>DROUGHT SURCHARGE                          | SECTION 29  |
| 3 SEVERE  | NORMAL RATES<br>DROUGHT SURCHARGE<br>EXCESSIVE USE PENALTY | SECTION 28<br>SECTION 29<br>EXCESSIVE USE ORDINANCE |
| 4 CRITICAL  | NORMAL RATES<br>DROUGHT SURCHARGE<br>EXCESSIVE USE PENALTY | SECTION 28<br>SECTION 29<br>EXCESSIVE USE ORDINANCE |
| Notes:<br>a Drought Surcharges will reflect the most recently adopted Proposition 218 rates.<br>b Under Stages 3 or 4, the Board would declare a water shortage emergency and enact Section 28 to implement water conservation measures. Penalties under the Excessive Use Ordinance would apply. |  |   |

Water Code Section 10632 requires water shortage contingency plans to provide water supply shortage levels at 10, 20, 30, 40, 50, >50 percent thresholds. Urban water suppliers with existing water shortage contingency plans may meet this requirement by cross referencing the water utility's existing water shortage stages to the State's six standard water shortage levels.

In general, EBMUD begins to bring in supplemental supply water and requests customers to reduce demand when the total operational storage is reduced by almost one-third.

Table W-7 presents EBMUD's water shortage levels cross referenced with the State's new standardized water shortage levels. EBMUD's water shortage levels for this cross-referencing is determined by the total operational storage<sup>1</sup> that is available.

It is difficult to quantify the reduction in gap between supplies and demand due to the implementation of the response actions as outlined in Table W-6. The response actions would be adjusted based on the level of rationing that is achieved and to meet EBMUD's policy of providing 85% reliability to its customers. At each stage, EBMUD will consider augmenting its supplies as outlined in Figure W-5

<sup>1</sup> EBMUD's Total System Storage (TSS) is defined in the contract with U.S. Bureau of Reclamation as the total reservoir capacity for the upcountry and terminal reservoirs, which is approximately 771 Thousand Acre-Feet (TAF). The Total Operational Storage (TOS) is defined as the accessible water supply volume in the upcountry and three terminal reservoirs, thereby excluding: dead storage in all reservoirs, 20 TAF of water (referred to as "gainsharing" water per the FERC license) allocated for environmental use only, and Chabot & Lafayette Reservoirs which are currently disconnected from the distribution system. The TOS results in total accessible water supply volume of approximately 697 TAF.

with the quantities determined based on antecedent conditions and projected demand. The response actions to close the gap between supply and demand as well as the augmented supplies needed that year are outlined in the annual water supply availability assessments.

## 4.1 WATER SUPPLY SHORTAGE MITIGATION

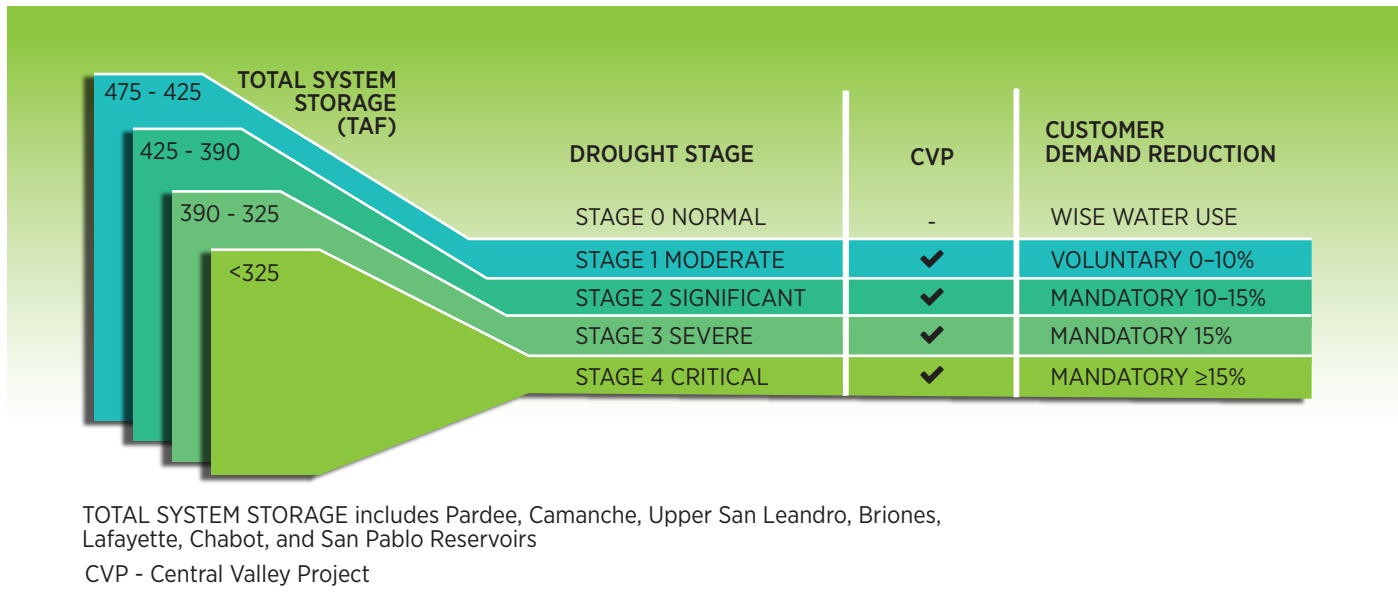
EBMUD has invested extensively in preparations for water supply shortages. In addition to encouraging conservation as discussed in Chapter 6, EBMUD has developed a portfolio of water supply projects to help supplement any shortage in its water supply. These projects, described in Chapter 4, will not only provide customers with relief from frequent and severe water rationing during multi-year droughts, but will also help EBMUD respond to other adverse situations that lead to water shortages.

EBMUD has also invested in projects to provide operational flexibility and improve its ability to recover following an emergency. However, during extreme and catastrophic water shortage conditions, EBMUD may need to explore short-term, temporary options to augment its supply. Temporary dry year supplemental water supply options include:

- trucking recycled water for customers for approved uses;
- drawing from reserve supplies (terminal reservoir standby storage);
- pursuing emergency transfers or exchanges.

FIGURE W-5

DROUGHT MANAGEMENT PROGRAM GUIDELINES



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**TABLE W-6 DROUGHT MANAGEMENT PROGRAM ELEMENTS BY STAGE FOR TSS SCENARIO**

| DROUGHT STAGE  | DROUGHT PROGRAM ELEMENTS CONSIDERED   |
|--|---|
| STAGE 1 MODERATE<br>VOLUNTARY<br>0 – 10% RATIONING     | ESTABLISH VOLUNTARY WATER USE REDUCTION GOALS AND DETERMINE USE RESTRICTIONS  |
|  | INITIATE A PUBLIC INFORMATION CAMPAIGN TO EXPLAIN THE WATER SUPPLY SITUATION AND CUSTOMER RESPONSIBILITIES  |
|  | OUTREACH AND EDUCATION MAY INCLUDE EBMUD'S WEBSITE, SOCIAL MEDIA, MEDIA OUTREACH, ADVERTISING, WORKSHOPS AND EVENTS, BILL INSERTS AND BILL MESSAGING  |
|  | INITIATE COMMUNITY WATER WASTE HOTLINE AND ONLINE WATER WASTE REPORTING   |
|  | ISSUE UP TO 50,000 SINGLE FAMILY RESIDENTIAL (SFR) HOME WATER REPORTS   |
|  | PROVIDE COMMERCIAL AND RESIDENTIAL LANDSCAPE WATER BUDGETS TO UP TO 5,000 ACCOUNTS  |
|  | PROVIDE CONSERVATION AUDITS AND WATERSMART HOME SURVEY KITS   |
|  | ISSUE UP TO 5,000 INDOOR PLUMBING FIXTURE AND APPLIANCE REBATES   |
|  | ISSUE UP TO 5,000 OUTDOOR LANDSCAPE & IRRIGATION REBATES  |
|  | CONDUCT WATER AUDITS  |
|  | PROVIDE UP TO 5,000 FREE WATER SAVING DEVICES   |
|  | EXPAND WATER LOSS CONTROL PROGRAM (E.G., ACOUSTIC LOGGERS, LEAK DETECTION CREWS)  |
| STAGE 2 SIGNIFICANT<br>MANDATORY<br>10 – 15% RATIONING | IN ADDITION TO ELEMENTS OF STAGE 1:   |
|  | APPLY STAGE 2 DROUGHT SURCHARGE   |
|  | CONTINUED OUTREACH AND EDUCATION  |
|  | PROVIDE ONLINE EBMUD STORE ORDERING (RESTAURANT AND HOTEL TENT CARDS, STICKERS)   |
|  | INCREASE SFR HOME REPORTS TO 75,000 HOUSEHOLDS  |
|  | INCREASE COMMERCIAL AND RESIDENTIAL LANDSCAPE WATER BUDGETS TO 25,000 ACCOUNTS  |
| STAGE 3 SEVERE<br>MANDATORY<br>15% RATIONING           | ISSUE UP TO 10,000 FREE WATER SAVINGS DEVICES   |
|  | IN ADDITION TO ELEMENTS IN STAGE 2:   |
|  | APPLY STAGE 3 DROUGHT SURCHARGE   |
|  | ADVANCED MEDIA OUTREACH / RESPONSE  |
|  | ADVANCED CUSTOMER OUTREACH & EDUCATION  |
|  | CONSIDER WATER SAVING CAMPAIGNS, CHALLENGES   |
|  | CONSIDER SUPPLEMENTING EDUCATION AND OUTREACH WITH WEBSITE TOOLS AND INFORMATION; OUTDOOR, RADIO, PUBLICATIONS, AND ONLINE ADVERTISING; DROUGHT THEATERS OR OTHER EDUCATION FOR CHILDREN; CONTESTS AND PLEDGES; PROMOTIONAL ITEMS, SIGNS, DROUGHT NEWSLETTERS, CUSTOMER OUTDIAL MESSAGES, POSTCARD MAILINGS, ETC. |
|  | INSTITUTE EXCESSIVE USE PENALTY FOR SFR CUSTOMER WITH USE > 60 CCF/MONTH  |
|  | INITIATE SUPERSAVER RECOGNITION PROGRAM   |
|  | INCREASE SFR HOME REPORTS TO 100,000 HOUSEHOLDS   |
|  | INCREASE COMMERCIAL AND RESIDENTIAL LANDSCAPE WATER BUDGETS TO 50,000 ACCOUNTS  |
|  | ISSUE UP TO 7,000 INDOOR PLUMBING FIXTURE AND APPLIANCE REBATES   |
|  | ISSUE UP TO 8,000 OUTDOOR LANDSCAPE & IRRIGATION REBATES  |
|  | ISSUE UP TO 15,000 FREE WATER SAVINGS DEVICES   |
| STAGE 4 CRITICAL<br>MANDATORY<br>≥15% RATIONING        | PROVIDE FIELD ENFORCEMENT OF REGULATIONS AND WATER USE RESTRICTIONS   |
|  | IN ADDITION TO ELEMENTS IN STAGE 3:   |
|  | APPLY STAGE 4 DROUGHT SURCHARGE   |
|  | INSTITUTE EXCESSIVE USE PENALTY FOR SFR CUSTOMER WITH USE > 40 CCF/MONTH  |
|  | INCREASE SFR HOME REPORTS TO 325,000 HOUSEHOLDS   |
|  | INCREASE COMMERCIAL AND RESIDENTIAL LANDSCAPE WATER BUDGETS TO 150,000 ACCOUNTS   |
|  | ISSUE UP TO 20,000 FREE WATER SAVINGS DEVICES   |

**TABLE W-7** **SHORTAGE LEVELS CROSS-REFERENCE WITH STATE'S SHORTAGE STAGES**

| EBMUD DROUGHT STAGE | EBMUD SUPPLY SHORTAGE | STATE SHORTAGE LEVELS |
|---------------------|-----------------------|-----------------------|
| 0                   | NORMAL                | 1-4                   |
| 1                   | MODERATE (43%)        | 5                     |
| 2                   | SIGNIFICANT (50%)     | 5                     |
| 3                   | SEVERE (55%)          | 6                     |
| 4                   | CRITICAL (64%)        | 6                     |

## 4.2 WATER RESERVE DRAWDOWN

It is EBMUD's policy to operate its terminal reservoirs to maintain enough standby storage to meet rationed customer demand for 180 days, in case the Mokelumne River supply is disrupted. After the emergency ends, the Mokelumne River supply is returned to service soon as practicable and within the regulatory framework to refill terminal reservoirs to meet minimum standby storage levels while also supplying inline plants. Emergency supplies through interties with the Contra Costa Water District (CCWD), San Francisco Public Utilities Commission (SFPUC), Dublin San Ramon Services District (DSRSD), and City of Hayward (Hayward) can be used during an emergency to reduce demand on the local reservoirs or used following an emergency to help EBMUD's recovery in re-establishing storage levels.

## 4.3 INTERTIES & AGREEMENTS FOR TRANSFERS & EXCHANGES

EBMUD continues its efforts to formulate and to support mutually agreeable actions, including the development of interties that improve water quality and supply reliability for the Bay Area. As a partner agency in providing mutual aid, EBMUD has limited, short-term water sharing agreements for emergencies with several neighboring agencies, including SFPUC, DSRSD, Hayward, and CCWD. Transfers/exchanges would be made under these agreements only for a short-term period of one year or less. These agreements provide an alternate source of water during planned facility outages and for emergency mutual aid to the parties but would not be used in situations involving a shortage of water due to high demand or drought. Figure W-6 presents a map of these emergency interties for transfers/exchanges in EBMUD's service area and

lists the agreed upon quantities for transfer/exchange with water service agencies during emergencies.

EBMUD, the Freeport Regional Water Authority, County of Sacramento, and Sacramento County Water Agency entered into a long-term non-emergency agreement for water delivery with CCWD and separately with Valley Water as part of the negotiated settlement of the Freeport Regional Water Project (FRWP) EIR/ EIS. These agreements are also discussed in more detail below.

In the future the Freeport facility may also provide regional reliability benefits, as EBMUD could partner with other Bay Area water agencies to help them receive water that may otherwise be inaccessible to them given their own system constraints. To accomplish this, EBMUD could temporarily use the Freeport Project to deliver water to its treatment and distribution system in the East Bay, when capacity is available, on behalf of other local agencies, and existing interagency interties could be used to deliver the water to its ultimate destination.

### SFPUC-Hayward-EBMUD Agreement for Emergency Water Services

In 2002, EBMUD formed a regional partnership with SFPUC and Hayward to construct the SFPUC-Hayward-EBMUD Intertie Project. This project increases water service reliability by allowing EBMUD and SFPUC to obtain a short-term water supply during emergencies or planned outage of critical facilities. Up to 30 MGD could be provided to either EBMUD or SFPUC and Hayward through the intertie. The project included a new pump station and 1.5 miles of pipeline in Hayward, with minor improvements in EBMUD's and SFPUC's water systems. Construction was completed in 2007.

### Agreement for Emergency Water Services with City of Hayward

EBMUD has two locations earmarked for connecting smaller interties (2.8 and 5.7 MGD) with Hayward's water system under a 2000 agreement, and three additional sites for treated water transfer through fire hydrants (2.1 MGD each) under a 1994 agreement. Interconnections are made only for a short-term basis by mutual consent and under emergency conditions and are not substitutes for standby or reserve sources of water for normal operations. Hayward's and EBMUD's personnel would connect the systems during a declared emergency in accordance with the conditions outlined in the agreements. Supplied



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water would be metered, and expenses would be billed to each agency as outlined in the agreements.

## Agreement for Emergency Services with DSRSD

A 1990 agreement with DSRSD identified two locations available for transferring treated water between the two agencies, at up to 1.4 MGD at one location and up to 0.7 MGD at the second location. A 2007 amendment to the 1990 agreement with the DSRSD added a third 1.4 MGD DSRSD intertie on Dougherty Road connected in 2007. The three intertie locations are shown in Figure W-6. The process and billing are outlined in an agreement similar to that with Hayward.

## Agreements with CCWD

In 2002, EBMUD executed an agreement with Contra Costa Water District (CCWD) for emergency services. Per the agreement, intertie locations can be added, removed, or modified as mutually agreed upon by each agency. Currently two intertie locations are identified. Up to 1 MGD could be provided to CCWD at one location. The second location could allow transfer of up to 10 MGD to CCWD and up to 8 MGD to EBMUD. One agency will provide the other with water quantities that will reasonably meet needs during the emergency without endangering the supplying agency's system and overall supplies.

## Agreement with SCVWD

In 2003, Freeport Regional Water Authority and SCVWD (now Valley Water) signed a settlement agreement in which EBMUD would make available to Valley Water 6500 AF of its CVP allocation during the first year of its 3-year consecutive drought cycle. In exchange, Valley Water would return to EBMUD the equivalent amount of water in the second or third consecutive year of drought. To date there is no implementation agreement.

## 4.4 DEMAND REDUCTION METHOD

During Water shortage emergencies, many of the programs and projects described in EBMUD's water conservation program (see Chapter 6) are expanded to reduce demand. Implementation of a drought surcharge and excessive use penalties and application of water use restrictions also help EBMUD reduce demand during declared droughts. All of these are discussed in Compliance and Enforcement section.

EBMUD has also developed water efficiency requirements for new water service. Section 31 of

EBMUD's Regulations Governing Water Service to Customers (Appendix G) outlines the water efficiency measures required for new and expanded service. Applications for standard service require approval from EBMUD's Water Conservation Division. Section 31 sets water efficiency requirements for indoor fixtures including toilets and urinals, showerheads, faucets, and appliances. For outdoor water use, Section 31 includes requirements for the design and installation of landscaping and irrigation systems. Section 31 requires that ornamental turf areas shall be limited to no more than 25% of the total landscaped area, and that non-turf areas shall be native or climate-appropriate species. It also sets efficiency requirements for irrigation systems. Applicants are required to meet the requirements of local and State regulations including the Model Water Efficient Landscape Ordinance (MWELO). In addition, EBMUD requires weather-based controllers for all premises with 500 square feet or more of new irrigable landscape area. Depending on the size of the area to be irrigated, a dedicated irrigation meter may be required.

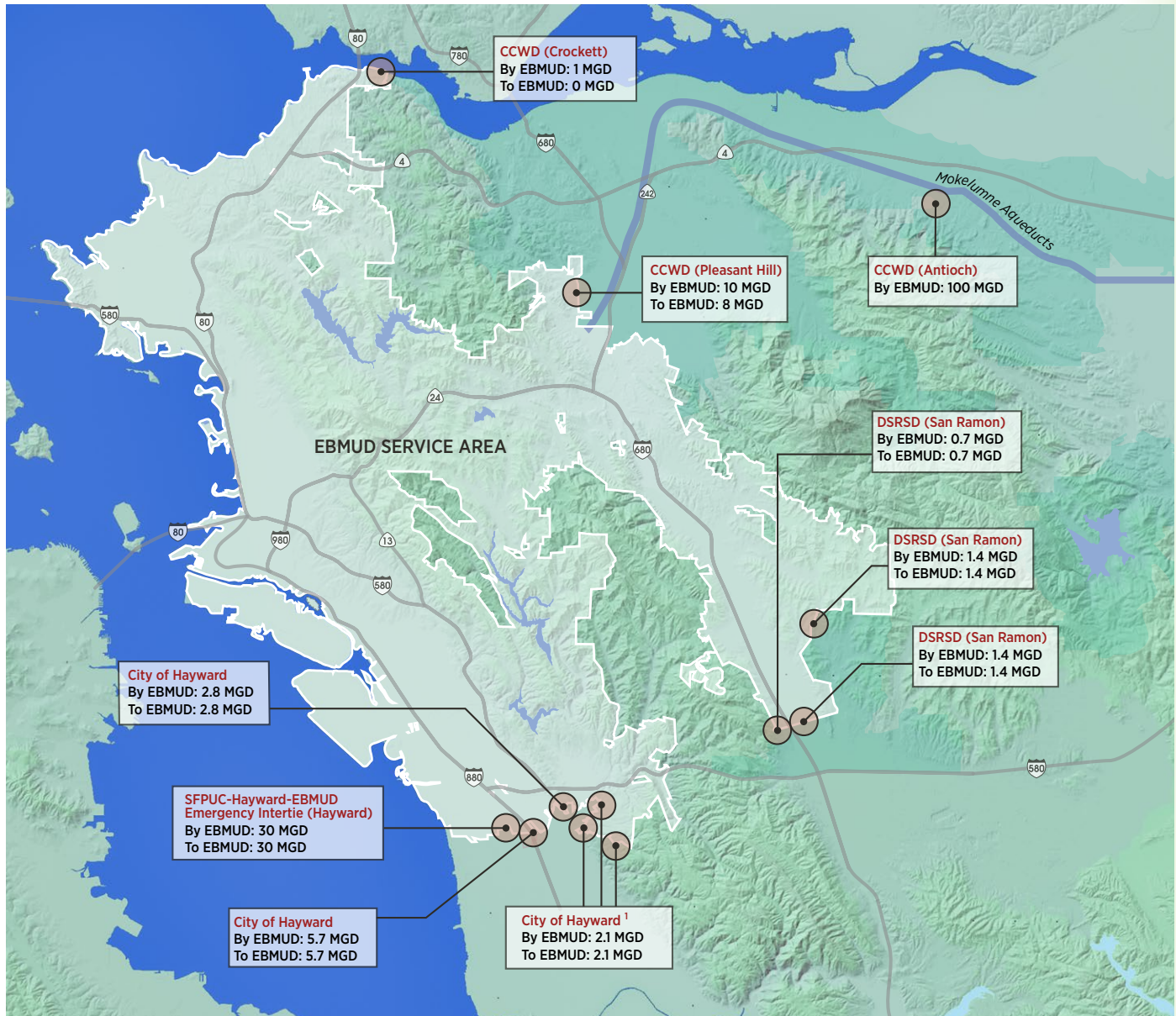
## Water Consumption Reduction

EBMUD partners with its customers to cut back water use in significant and sustained ways during water shortage emergencies. EBMUD's new system of drought surcharges, combined with the existing tiered-volume rate structure for single family residential customers, provides a financial incentive for reducing water consumption. In past droughts, EBMUD has expanded incentive and rebate programs to encourage greater water use efficiency. EBMUD's website has also become increasingly important for educating customers about methods for conserving and providing tools to assist them in meeting their water savings goals.

During the 2008-2010 drought, EBMUD developed a system whereby customers were given a particular allotment of water based on their past use. Customers who exceeded this allotment were charged an additional surcharge. In the 2014-2015 drought, EBMUD focused its efforts on education, public outreach, and providing information and tools to help customers conserve and did not implement water rationing with water allotments. In the future, EBMUD will consider community input and outreach approaches that align with the specific needs during that drought.

FIGURE W-6

## EMERGENCY INTERTIES FOR SHORT-TERM TRANSFERS & EXCHANGES With Maximum Flows



<sup>1</sup> Emergency Water Transfers/Exchanges to City of Hayward are supplied through connections between fire hydrants instead of through dedicated constructed appurtenances.

### Water Use Reduction Targets

EBMUD's DMP recommends specific levels of voluntary or mandatory rationing based on the projected end of year total system storage. EBMUD's goal is to provide 85% reliability to customers.

EBMUD's ability to limit mandatory water use reductions to 15 percent depends upon the extent to which supplemental supplies are available and whether/how much USBR reduces CVP allocations in a given year. Supplemental supplies and CVP supplies may not always be available when needed as indicated by recent events. In 2014, USBR limited EBMUD to 50 percent of its CVP allocation, and

in 2015 USBR was only able to provide EBMUD with a 25 percent CVP allocation. In extraordinary circumstances, such as when CVP or other supplies are minimally available or unavailable during an extreme drought, EBMUD may need to increase the rationing level above 15 percent in order to ensure adequate supplies the current and next year. For example, in 2015, EBMUD's Board declared a mandatory 20% water use reduction target due to extraordinary circumstances at the time and to meet the State's imposed water use reduction mandate.

A 15 percent reduction overall can be achieved by applying different levels of conservation for each

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customer category. Table W-8 lists example customer category reduction goals that EBMUD estimates would be required to achieve the district-wide rationing target.

The reduction goals are based on an analysis of the total demand of each customer category, the outdoor water use of each category, and the potential aggregate economic impact on the service area. Several factors are considered: drought management principles; analysis of historical consumption; and likelihood that customers in each category can achieve their water use reduction goals through indoor and outdoor demand management. The distribution of rationing varies across customer categories, and the actual savings from each customer category could vary due to several factors, including methods of implementation and enforcement. Key assumptions and data for setting customer goals are:

1. Balancing water use reductions across customer categories based on four principles:
- emphasizing reductions in non-essential uses of water;

● avoiding and limiting impacts to the economy and the environment;

● safeguarding water supplies for uses that meet public health needs; and

● maintaining equity in water use reduction expectations.
2. Evaluating each customer category's actual historical consumption:
- determining the percent of total water demand by customer category, and

● determining the percent of indoor and outdoor demand by customer category.

3. Gauging customer response to water savings measures:
- assessing the likelihood of achieving the potential savings from each measure;

● assessing research on customer ability and willingness to comply with measures; and

● considering previous EBMUD experience in managing and monitoring measures.

4.5 EMERGENCY RESPONSE PLAN

In addition to maintaining its own emergency preparedness program, EBMUD coordinates with local, regional, state, and federal partners to ensure readiness in the event of an emergency.

Consistent with EBMUD Policy 7.03 (Appendix G), EBMUD maintains an active emergency preparedness and business continuity program and coordinates emergency responses with other public and private organizations. EBMUD's Security and Emergency Preparedness Section coordinates and publishes the EBMUD Emergency Operations Plan (EOP), which describes the internal organizational structure used in the response to all emergencies, including regional power outages and earthquakes. EBMUD reviewed and updated the EOP in 2019. An update to the Emergency Response Plan for EBMUD's FERC regulated dams was done in early 2020 to include, among other revisions, the FERC Emergency Action Plan Support Team in the EBMUD Emergency Operations Team (EOT). The EOP was also updated to formally designate the Director of Engineering and Construction as the Chief Dam Safety Officer, along with an alternate. EBMUD's EOP ensures effective coordination with local and state emergency management agencies in response to emergency conditions. EBMUD complies with the California Standardized Emergency Management System (SEMS), which includes all National Incident Management System (NIMS) guidance for federal emergency operations plans. EBMUD also prepared business continuity plans for all key departments and functions in coordination with EOP actions. In response to an emergency incident or an event requiring significant planning for a potential emergency, a well-trained team of District personnel assigned to the EOT will carry out the five SEMS functions (management, operations, planning, logistics, and finance; plus a public communication function added by EBMUD in 2014). Operating under the EOP, the Emergency Operations Director and

TABLE W-8

EXAMPLE OF CUSTOMER CATEGORY REDUCTION GOALS

| CUSTOMER CATEGORY                    | REDUCTION GOAL <sup>1</sup> |
|--------------------------------------|-----------------------------|
| SINGLE-FAMILY RESIDENTIAL            | 19%                         |
| MULTI-FAMILY RESIDENTIAL             | 11%                         |
| COMMERCIAL                           | 12%                         |
| INSTITUTIONAL                        | 8%                          |
| INDUSTRIAL                           | 5%                          |
| IRRIGATION                           | 30%                         |
| TOTAL CUSTOMER DEMAND RATIONING GOAL | 15%                         |

1 Annual average goals estimated to achieve 15% reduction of year 2040 total demand.



Section Chiefs establish response priorities based on the nature of the emergency, focusing on actions to address life safety concerns first, then incident stabilization, and finally protection of property and restoration of normal operations. The Operations Section Chief also works with the Planning Section to determine the needs for mutual aid/ assistance resources, the scope of work to be done, and the planning objectives to accomplish this work.

In October 2018, the America's Water Infrastructure Act (AWIA) Section 2013 (A-H) was signed into law. AWIA requires community drinking water systems to develop or update risk and resilience assessments (RRAs) and emergency response plans (ERPs). AWIA specifies the components each of the plans must address and establishes deadlines by which water systems must certify to EPA completion of the plans. Based on the number of District customers, EBMUD complete its initial RRA in September 2020. These plans will need to be re-certified every 5 years. AWIA does not specify any standards for the RRA or the ERP, but recommends the use of standards, such as the AWWA J100-10, to facilitate preparation of the RRA and ERP.

#### **4.6 MUTUAL ASSISTANCE AND COORDINATION WITH OTHER AGENCIES**

Effective coordination with state and local agencies is critical in responding to a catastrophic event that interrupts water supplies. As one of the eight major water suppliers in the San Francisco Bay Area, EBMUD recognizes, as do the other agencies, that in the event of a regional catastrophe, assistance from other local agencies is not guaranteed. To mitigate the risk of limited access to local mutual aid, EBMUD entered into a Multi-Agency Mutual Assistance Agreement with the Los Angeles Department of Water and Power (LADWP) and with the Las Vegas Valley Water District (LVVWD) to mutually supply as much of the requested resources as possible to the other agency, if possible, if a disaster impacts only one of the agencies. EBMUD is also a member of the California Water Agency Response Network (CalWARN), which serves as a central point of coordination through the Omnibus Mutual Aid/Assistance Agreement with water agencies throughout the state. The signatories may be called upon during an emergency to provide available resources.

#### **4.7 COORDINATION AMONG LOCAL, COUNTY, REGIONAL, STATE, AND FEDERAL GOVERNMENTS**

EBMUD and other special districts, such as schools and parks, are considered local government agencies, which coordinate resources and manage operations in an emergency at the local level and serve as an interface with their local Operational Area Offices of Emergency Services. In California, each county is responsible for maintaining these operational area offices. The state is divided into six regions, each of which is responsible for maintaining a Regional Emergency Operations Center (REOC). The State of California, which regulates SEMS, maintains the State Office of Emergency Services that oversees these REOCs and the Operational Areas, working out of the State Operations Center in Mather, California.

SEMS was mandated by Government Code section 8607 following the 1991 East Bay Hills Firestorm. Reimbursement for claims filed after a disaster requires that all EBMUD emergency plans, procedures, and training follow the SEMS regulations, and that they directly correlate with the EOP. The SEMS in California and the guidelines for training for all emergency responders roll up from the states to the federal government under the national response framework. Each state has a Principal Coordination Official assigned by the federal government to coordinate planning and response under the Emergency Support Functions established by the federal government.

In 1995, EBMUD partnered with 14 federal, state, and public agencies to develop procedures for obtaining potable water in an emergency. In 1996, this California Potable Water Task Force published a Multi-Agency Emergency Response Procedures for Potable Water Procurement and Distribution report. In 2007, EBMUD spearheaded the efforts of a working group that includes the eight largest water agencies in the Bay Area, Operational Area, and Bay Area Regional Emergency Management Agencies to update this document. Published in its second edition and formally adopted by the State of California for the first time, this document allows water agencies to request assistance from city, county, or regional SEMS response levels to acquire and distribute potable water during a state or local emergency in California. The Emergency Drinking Water Procurement document was last updated



in 2014. This helps water agencies that sustain heavy damage to focus on rebuilding and returning their system to a dependable level of service.

### 4.8 SEISMIC RISK ASSESSMENT AND MITIGATION PLAN

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New Water Code Section 10632.5 requires the 2020 UWMP to include a seismic risk assessment of the vulnerability of the water system facilities. Section 10632.5 also allows an urban water supplier to comply with this requirement by submitting a copy of its most recently adopted local hazard mitigation plan under the federal Disaster Mitigation Act of 2000 (Public Law 106-390), if that plan addresses seismic risk. In 2018, consistent with the Disaster Mitigation Act of 2000, EBMUD adopted its Local Hazardous Mitigation Plan (LHMP). The chapter on Identified Hazards builds on available historical data and establishes detailed profiles for each of the primary hazards impacting EBMUD's service area: five related to earthquakes (faulting, shaking, earthquake induced landslides, liquefaction, and tsunami), and four related to weather (flooding, landslides, wildfires, and drought).

The Vulnerability Assessment chapter summarizes the risks to each facility type. In particular, it assesses the exposure and vulnerability of the identified hazards and summarizes the impact and estimated loss by facility type. These risk assessments collectively contribute to the development, adoption, and implementation of a meaningful and functional mitigation strategy based on accurate background information.

The Mitigation Goals, Objectives, and Actions chapter describes the specific mitigation actions, capital improvements, and other measures EBMUD has undertaken and/or will undertake to address the identified risks for each facility type.

The 2018 LHMP executive summary is located in Appendix I. The comprehensive LHMP is available on EBMUD's website at [www.ebmud.com/files/8916/1194/8548/EBMUD\\_2018\\_LHMP.PDF](http://www.ebmud.com/files/8916/1194/8548/EBMUD_2018_LHMP.PDF)

### 5. COMMUNICATION PROTOCOLS

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During a water shortage emergency, EBMUD implements a public education program to inform the public and uses various methods and tactics to promote water use reductions and improved efficiencies. The campaign explains the potential impacts of a water shortage, the water supply status, methods to reduce water consumption, potential excessive use penalties, EBMUD actions, and customer responsibilities. The campaign

typically highlights specific EBMUD programs and services to help customers reduce their water use.

At the onset of a water shortage emergency, EBMUD develops a detailed Drought Communication Plan (DCP) to provide information to customers, public officials, and other stakeholders. The specific details and messages are tailored to the particular drought situation. Components of an effective DCP include a set of well-defined, focused key messages and an action plan detailing all communication activities. The DCP outlines general and targeted communication methods; general communication methods focus on creating a strong education campaign with broad reach, while targeted communication methods focus on particular customers or sectors. General communication methods include media outreach, creating outdoor and other advertising, expanding stakeholder outreach, providing information on the web, producing bill inserts and messages, sending direct mail to public officials, briefing key community leaders and officials, and providing information through the customer contact center. Targeted communication methods can include direct contact with high-volume water users, proactively offering more support to customers through conservation training and tools and increasing EBMUD's interactions with customers and customer engagement about their water use. In some previous, statewide droughts, EBMUD has also benefited from "earned" media when statewide messaging and advertising reaches EBMUD customers.

Following are additional details on some of the general and targeted communications methods that EBMUD has employed in previous droughts.

- Advertising campaigns throughout the EBMUD service area broadcast conservation messages on radio and cable television, local newspapers and magazines, bus exteriors, transit shelters and EBMUD billboards. EBMUD has also participated in regional advertising campaigns on radio and television when the messages were consistent with EBMUD's and donated billboard space for the statewide campaign. Campaign messages included appreciation for customer conservation, continued encouragement to save water by fixing leaks and installing efficient outdoor landscape irrigation and using online tools to understand and curb water use.
- EBMUD invests in resources and tools to support customer contacts and customer billing functions to ensure a continuous level

of quality customer service during a water shortage. Drought periods increase the volume of calls to EBMUD's customer Contact Center, Field Services, Water Conservation, Customer Services Support, and Public Affairs divisions. EBMUD ensures adequate staffing to respond to customers' questions and requests for assistance.

- EBMUD's website has become an increasingly important tool for disseminating information to customers and the media during drought periods and EBMUD's social media presence provides another tool to communicate to customers about drought.
- EBMUD initiates significantly more direct customer contacts and responds to significantly more inquiries from customers. Water conservation and field services staff distribute drought messages and water savings devices, encourage water savings, assist customers in changing their water use, inform customers about voluntary program requirements, and enforce mandatory requirements.
- EBMUD has used "out-dial" calls and direct mail to alert customers to the start of the drought program and to request curtailed water use during especially prolonged hot weather.
- EBMUD reaches out to civic, community, nongovernmental and business groups, homeowner associations, nurseries, schools, trade organizations, and local officials and also conducts workshops on water conservation topics, as discussed in Chapter 6. This work expands during droughts. EBMUD informs local stakeholder groups and seeks their assistance in communicating with their constituents, which generates a multiplier effect as they share the information with additional customers.

## 6. CUSTOMER COMPLIANCE AND ENFORCEMENT

### 6.1 WATER USE RESTRICTIONS

EBMUD's Regulations Governing Water Service to Customers, included in Appendix G, include various restrictions on water use and prohibitions on the waste of water. Section 29, "Water Use Restrictions," is continuously enforced. Section 28, "Water Use During Water Shortage Emergency Condition," is enacted when the EBMUD Board of Directors declares a Water Shortage Emergency. In addition, Section 28 may be added in response

to state mandated water use reductions designed to address short-term statewide water shortages.

Section 29 details on-going requirements that residential and nonresidential customers must observe. For example, residential customers are required to irrigate their property in a manner that does not result in excessive flooding or runoff, and all customers are required to repair leaks wherever it is feasible to do so. Under normal conditions, EBMUD relies on customer education to ensure that these requirements are met. When customers and field staff report of overwatering or water waste, EBMUD responds by contacting the customer and may send water conservation and field services personnel to apprise the customer of the wasteful conditions and make recommendations on using water more efficiently. If the customer cannot be located, and the water loss is significant, staff may turn off the water at the meter until the customer is contacted or the problem is resolved. The ongoing restrictions in Section 29 are supplemented temporarily with additional restrictions when the Board declares a Water Shortage Emergency and enacts Section 28.

Section 28 sets water use rules and provides guidance to customers about reducing water use during a declared Water Shortage Emergency or when necessary to comply with state mandated water use reductions. The rules and guidance in Section 28 are tailored to the specific drought stage. Enforcement actions can include extra meter readings, written warnings, installation of flow-restriction devices, and even discontinuance of water service. However, EBMUD would not discontinue water service during a pandemic. EBMUD updated Section 28 in 2014 and 2015 to reflect the state mandated restrictions on outdoor water use.

Section 28 prohibits certain uses of potable water during a water shortage emergency, including:

- Using potable water for decorative ponds, fountains, and other water features that do not recirculate water (this does not include swimming pools or spas);
- Washing cars, boats, trailers, aircraft, and other vehicles by hose without a shutoff nozzle;
- Washing sidewalks, driveways, or hard surfaces;
- Irrigating ornamental turf on public street medians; and
- Flushing sewers or hydrants with potable water.

## ATTACHMENT 1 — WATER SHORTAGE CONTINGENCY PLAN

Section 28 also states that irrigating turf and ornamental landscape with potable water is permitted no more than two days each week, not on consecutive days, and only before 9 AM and after 6 PM. Irrigation of turf and ornamental landscape with potable water is also prohibited during and within 48 hours following measurable precipitation.

During a water shortage situation, enforcement of water waste restrictions becomes particularly important and EBMUD may choose to devote additional resources to this effort. EBMUD staff monitors the service area to encourage water savings, help customers change their water use habits, and enforce regulatory requirements and water waste prohibition rules. EBMUD developed a Water Savings Team that patrolled the service area to respond to reports of water waste, place warning hangers on doors, and educate customers about wise water use. The team also assisted customers with conservation activities like identifying leaks and installing water-efficient fixtures and appliances.

During water shortages, EBMUD typically receives a higher volume of water waste reports from members of the community who report the waste via the EBMUD website or by calling the Water Waste Hotline or Contact Center. Customers can also report water waste for EBMUD through the State Water Resources Control Board's online water waste portal. EBMUD staff investigates the reports and takes appropriate actions. In most cases, EBMUD only needs to report the situation to the responsible party, who then takes action to address the problem. If necessary, EBMUD can also proceed with enforcement.

EBMUD also developed two separate ordinances to control water use: an Excessive Water Use Penalty Ordinance (Ordinance No. 364-15) and a Water Theft Penalty Ordinance (Ordinance No. 368-17). The Excessive Water Use Penalty Ordinance only applies during Stage 3 or 4 droughts, whereas the Water Theft Penalty Ordinance is in place at all times. Copies of these ordinances are provided in Appendix G.

The Excessive Water Use Penalty Ordinance sets penalties for single-family residential (SFR) customers who use large volumes of water during declared droughts. If the Board declares a Stage 3 drought, SFR customers must not consume more than 120 hundred cubic feet (CCF) of water over a two-month billing cycle, or 60 CCF per month. Customers using in excess of this amount are charged a penalty of \$2 per CCF above the allotted amount. During Stage 4 droughts, the maximum amount of water allowed

before incurring a penalty drops to 80 CCF over a two-month billing cycle, or 40 CCF per month. The purpose of the ordinance is to prohibit excessive water use when the Board has declared a Stage 3 or Stage 4 drought and to authorize EBMUD to impose a financial penalty on customers who violate the Ordinance.

The Water Theft Penalty Ordinance prohibits the theft or unauthorized use of water. Although this ordinance was established during a drought period, it is enforceable throughout the year and not directly tied to drought declarations. This ordinance builds on existing EBMUD regulations related to water theft and give EBMUD the authority to impose administrative penalties on any person who violates the Ordinance's prohibitions.

Per water code Section 10632.2, EBMUD has procedures and ordinances that have exemptions and appeals processes in effect during water shortage emergencies. The Excessive Use Penalty Ordinance for Drought Stages 3 and 4 has an appeals process. Appeals can be granted due to meter error, if the water is needed for health and safety reasons, or due to leaks. Section 28 of the Regulations, "Water Use During Water Shortage Emergency Conditions," says that customers may apply for an exemption to the water use restrictions in the regulation. EBMUD can grant an exemption to prevent undue hardship or to avoid conditions affecting health, sanitation, fire protection, or safety.

There are also regulations, procedures, and ordinances that are in effect at all times, not just during droughts. Procedure 145, "Wasteful Use of Water," has exemptions for hardship and potential public health risks. Similarly, the Water Theft Penalty Ordinance has an appeals process and Section 29 of Regulations, "Water Use Restrictions," offers exemptions for undue hardship or to avoid conditions affecting health, sanitation, fire protection or safety.

EBMUD also has policies related to the approval of water connections for new developments during drought. EBMUD Policy 3.07, "Responsibility to Serve Water Customers," sets out the agency's priorities during a water shortage. EBMUD's first priority is to serve existing customers within its existing service area. EBMUD then serves expected new customers within its service area, but only if this does not unacceptably impair its ability to serve existing customers. Lastly, EBMUD will consider customers outside its existing service area only if this does not impair its ability to serve existing and expected new customers within its service area.



## 6.2 DROUGHT RATES

Water sales typically account for over 80 percent of EBMUD's operating revenues. The balance includes revenues from a variety of sources such as fees and charges, taxes, hydropower sales, and interest. EBMUD also sells bonds to assist with funding capital activities. EBMUD maintains cash reserves and has a policy of maintaining a debt service coverage ratio of at least 1.6 times coverage.

EBMUD rates and charges are designed to meet its revenue requirements for its water and wastewater systems, to recover the expenditures identified in its operating and capital budgets, and to meet Board policy goals. To determine the appropriate rates needed to recover its expenditures, EBMUD engaged an independent rate consultant in 2015 and in 2019 to perform cost of service (COS) studies on the water and wastewater systems. Based on its COS studies, EBMUD sets its rates based on capital investments, operating expenses, payment of debt service, and maintenance of sufficient reserves. Capital investments are typically large, multi-year projects that can involve significant construction. Capital projects including water system reliability improvements, seismic upgrades, and investments in supplemental supply can help EBMUD prepare for emergencies and droughts. Short-term costs associated with drought management and conservation program activities are also covered.

In 2014, the EBMUD Board and staff participated in a series of workshops exploring long-term financial stability for the organization. The goal of the workshops was to consider and discuss elements of the long range financial plan and cost of service study including underlying assumptions, financial risks, and financial policies aimed at mitigating risks. The results of these efforts laid the groundwork for the development of EBMUD's current budget and rates.

One of the main challenges identified was the need to develop a strategy for dealing with the financial impacts of drought. Drought leads to increased costs such as public outreach, conservation programs, additional staff resources, and the purchase, delivery, and treatment of supplemental supplies. In addition, reduced customer water use can decrease revenues.

As an outcome of the workshops, EBMUD developed a staged system of drought rates which have been developed in tandem with EBMUD's regular rates since fiscal year 2016. Following are additional details on the financial impacts of droughts and how the new rate structure helps EBMUD to mitigate those impacts.

Specific drought surcharges were adopted along with EBMUD's regular rates and charges in 2015, following a process which complied with the requirements of Proposition 218 and other applicable laws. The drought surcharge provides funds to cover EBMUD's water shortage related costs, including the costs of purchasing and delivering supplemental supplies, increased treatment costs, increased conservation and public outreach messaging, increased customer account management services, and revenue loss due to reduction in water use. EBMUD developed drought surcharges of up to 8 percent, 20 percent and 25 percent on the volumetric charges during water shortage Stages 2, 3 and 4, respectively. The drought surcharges correspond to increasingly severe stages of water shortages and are charged on each unit of water used during the billing period. The amount of the drought surcharges in each stage was developed to recover the anticipated drought costs at each stage, including the cost of supplemental supplies (purchase, treatment and delivery), costs of water shortage-related customer service, drought management activities, and lost revenue from reduced water sales. The drought surcharge may be imposed by the Board of Directors at the time or after a specific drought stage has been declared in accordance with EBMUD's Drought Management Program Guidelines.

The board approved drought surcharges do not impose a drought surcharge for Stage 1 when only voluntary customer demand reductions are being implemented. EBMUD's DMP as described in this WSCP allows for supplemental supplies to be acquired during Stage 1; the additional costs of the supplemental supplies delivered will be funded from EBMUD's operating revenues, reserves or rate stabilization fund.

In tandem with the new drought rates, EBMUD also adopted an excessive use penalty for single family residential (SFR) customers who use excessive amounts of water when EBMUD has declared a stage three or stage four drought. This penalty was discussed in the previous section.

EBMUD also established a non-monetary supersaver recognition program for the SFR customer class starting at stage three to recognize customers who use 4ccf or less per month (e.g., 100 gpd or less). The bill insert thanks customers for reducing their use and encourages sustained efforts.

## 7. LEGAL AUTHORITIES

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This section provides a description of the legal authorities that empower EBMUD to implement and enforce its shortage response actions as discussed in this WSCP.

### Municipal Utility District (MUD) Act

Among other things, the MUD Act authorizes and empowers EBMUD to fix rates and charges, and make and enforce rules, regulations, and practices in connection with its provision of water service within its service area.

### Local Emergencies

California Government Code section 8558 defines the types of emergencies that can be proclaimed under the California Emergency Services Act. The Act allows for the proclamation of a local emergency based upon the existence of drought conditions. In a Stage 3 or Stage 4 drought, EBMUD will coordinate with cities and counties within its service area regarding the possible proclamation of a local drought emergency.

### Water Shortage Emergencies

Water Code section 350 calls for water agencies like EBMUD to declare a water shortage emergency when the “ordinary demands and requirements of water consumers cannot be satisfied without depleting the water supply of the distributor to the extent that there would be insufficient water for human consumption, sanitation, and fire protection.” EBMUD would declare a water shortage emergency as described under the DMP Guidelines set forth in the WSCP. Among other things, Water Code sections 351 through 359 require a water agency to hold a properly noticed public hearing prior to declaring a water shortage emergency, to adopt regulations and water use restrictions that will conserve water supplies, and to maintain those regulations and restrictions in full force and effect until the water shortage emergency has ended.

### Water Conservation Programs

Water Code section 375 et seq. allows water agencies like EBMUD to adopt and enforce water conservation programs to reduce the quantity of water used by its customers. Water conservation programs adopted pursuant to section 375 may be enacted by ordinance or resolution and must be published and/or posted according to section 376. Following publication or posting, violation of any requirement of a water conservation program is a

misdemeanor, and a violator may be held criminally or civilly liable. (See Water Code section 377.) In specific DMP stages, EBMUD may choose to adopt a water conservation program pursuant to section 375 et seq.

### Excessive Use Penalty Ordinance

Water Code sections 365-367 require water agencies like EBMUD to identify and discourage excessive residential water use in times of drought. EBMUD complies with this requirement through its excessive use penalty ordinance as discussed in Section 6.1.

### CVP Contract

EBMUD executed a contract with United States Bureau of Reclamation for delivery of Central Valley Project water. Chapter 1 Section 1.4.3 of the UWMP provides in-depth discussion of this contract.

## 8. FINANCIAL CONSEQUENCES OF WSCP

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Specific drought surcharges were adopted along with EBMUD's regular rates and charges in 2015, following a process which complied with the requirements of Proposition 218 and other applicable laws. The drought surcharge provides funds to cover EBMUD's implementation and compliance with its water shortage program components, including the costs of purchasing and delivering supplemental supplies, increased treatment costs, increased conservation and public outreach messaging, increased customer account management services, and revenue loss due to reduction in water use. Section 6.2 above provided detail information pertaining to drought surcharges.

### 8.1 IMPACT OF REDUCED SALES ON REVENUES & EXPENDITURES

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Implementation of a DMP entails added costs for EBMUD. Costs include paying for additional temporary personnel and equipment resources, supplemental water purchases, increased outreach to customers, expansion of water conservation rebate and device distribution programs, and development and execution of educational and marketing programs.

In previous droughts, EBMUD hired temporary staff to help implement the DMP. These workers provided administrative support to respond to customer and media inquiries, provided field support to perform water use audits, assisted customers in identifying leaks, provided information technology support for bill adjustments, provided community outreach, responded to water waste calls/emails,

and assisted with mass media outreach efforts. Employing temporary staff increases EBMUD's labor costs. EBMUD also hired an advertising agency to create drought campaigns to encourage customers to cut back their water use.

Outreach to customers is intensified during a drought. There are costs to create and place ads, resources needed for website updates and tools, costs to develop and print publications, production costs to create informative videos, expenses to place automated "out-dial" phone calls, and special mailings costs. Additional media response also requires added resources to gather and vet information, respond to calls, and set up and do onsite interviews. EBMUD may also offer free conservation-related devices to customers or participate in/organize seminars and workshops aimed at teaching customers how to conserve water. These efforts help to educate customers about the drought, highlight water use prohibitions, and emphasize each customer's role and responsibility in responding to the drought.

As part of the DMP, EBMUD may also intensify some of its conservation programs, such as the distribution of water-saving devices and home water audit kits, which also add costs. Additional costs are also incurred for rebate programs that target improving water efficiency; for example, EBMUD offers rebates to encourage customers to remove turf, to install flow meters, to upgrade irrigation equipment to purchase and install low-flush toilets, and to upgrade to water-efficient commercial equipment.

In addition to costs related to implementation of the DMP, EBMUD may face additional costs for the purchase, delivery, and treatment of supplemental supplies. These costs can include the purchase of transfer water, permitting, administrative and environmental work related to transfers,

increased treatment costs related to the transfer water, and the operations costs associated with activating and using projects like the Freeport Project or the Bayside Groundwater project.

Table W-9 provides estimates of the costs associated with stage 2 through 4 droughts. For each stage, there are costs for the purchase, transmission, treatment, and storage of additional water, added staff to implement the DMP, and lost revenue due to rationing.

## 8.2 EBMUD DROUGHT RATE STRUCTURE

As said in Section 6.2, EBMUD held a series of public workshops on Long-Term Financial Stability. In June 2015, EBMUD's Board of Directors adopted a staged system of drought rates and the Excessive Water Use Penalty Ordinance. The specific drought surcharges are adopted along with EBMUD's regular rates and charges, following a process which fully complies with the requirements of Proposition 218 and other applicable laws. On April 26, 2016, the Board suspended the implementation of the Excessive Water Use Penalty Ordinance based on a reduction in potable water use and EBMUD's improved water supply projections.

The drought surcharge raises funds necessary to cover EBMUD's water-shortage related costs, including revenue to cover the costs of purchasing and delivering supplemental supplies, increased treatment costs, increased conservation and public outreach messaging, increased customer account management services, and revenue loss due to conservation.

Table W-5 in Section 4 shows when the drought surcharge would first be applied and the corresponding percent increases throughout the various drought stages.

Proposition 218 notification requirements control the schedule for selecting and implementing drought

**TABLE W-9**

| ITEM  | DROUGHT COST IMPACTS             |                                |                                |
|---|----------------------------------|--------------------------------|--------------------------------|
|   | STAGE 2 SIGNIFICANT              | STAGE 3 SEVERE                 | STAGE 4 CRITICAL               |
| PURCHASE, TRANSMISSION, & TREATMENT OF ADDITIONAL WATER       | \$15,750,000                     | \$42,412,500                   | \$55,800,000                   |
| STORAGE COSTS   | \$6,100,000                      | \$6,100,000                    | \$6,100,000                    |
| CUSTOMER RELATED COSTS (ADDITIONAL STAFF, PUBLIC INFORMATION) | \$2,300,000                      | \$3,250,000                    | \$3,250,000                    |
| REVENUE LOSS  | 0-15% OF BASELINE VOLUME REVENUE | 15% OF BASELINE VOLUME REVENUE | 20% OF BASELINE VOLUME REVENUE |
| CUSTOMER SURCHARGE  | UP TO 8%                         | UP TO 20%                      | UP TO 25%                      |

**NOTES**

Costs derived from EBMUD Water and Wastewater Cost of Service Study, April 2015.  
Costs shown are based on FY2016. Costs are developed for each budget cycle and actual costs and revenue loss are based in market and customer behaviors.

# ATTACHMENT 1 — WATER SHORTAGE CONTINGENCY PLAN

rates and charges. Consequently, EBMUD must consider options for drought rate structures prior to the anticipated start of a drought program. EBMUD's goal in developing the drought surcharges was to increase its ability to successfully manage water supplies by having a set of drought surcharges that, having already gone through the Proposition 218 process, could be implemented quickly.

## 9. MONITORING AND REPORTING

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During droughts, EBMUD monitors customer demand closely to ensure that its DMP is effective in reducing demand to the required level. Data gathered from monitoring can help EBMUD to make decisions on priorities for customer outreach and conservation programs.

EBMUD evaluates both billed consumption and daily water production data relative to reduction goals. Using this data, staff gauges EBMUD's effectiveness in managing overall demand and customers' responsiveness to requests to conserve. The results are presented to the EBMUD Board of Directors in regular drought management reports. The reporting frequency depends on the level of activity occurring and the severity of the drought.

Customer accounts are metered, providing bi-monthly and monthly (for large water use accounts) consumption data that can be evaluated by customer category characteristics. Water production data tracks treated water input to the distribution system leading to customers' taps. Air temperature variations are also tracked with water production to observe the effects of weather conditions on consumption behavior. Using financial records summarized from customer bills, EBMUD analyzes whether customer groups are reaching their conservation targets based on the distribution of customers affected by drought surcharges and higher drought rates.

EBMUD assesses the effectiveness of its demand management programs on the projected water supply in each report to the Board. This ensures timely action can be taken to recommend improvements to the DMP for Board consideration if results fall short of EBMUD's water use reduction goals.

The success of a DMP depends on customers reducing their water use. Experience shows that providing clear feedback on consumption relative to goals and water use reduction expectations, benchmarking efficient water use among customer sectors, clearly stating the financial penalties for overuse, clearly stating the consequences for violating water use

regulations and ordinances, and acknowledging all customers' efforts to save water all reinforce prudent behavior. EBMUD uses Home Water Reports for enrolled customers and uses its Customer Information System (CIS) to inform all customers of their current and past water uses and routinely updates printed messages on customer water bills. This information helps customers monitor their individual rationing efforts and encourages adjustments to usage.

## 10. WSCP REFINEMENT PROCEDURES

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EBMUD prepares internal lessons learned reports from various departments after consecutive drought events; these reports document the challenges and successes to understand causes of difficulties and to make improvements in handling future droughts/water shortages. The benefits of looking back at past experience include process improvement, risk management, identifying constraints and uncertainties. This reflection and evaluation facilitate EBMUD to make continuous improvement in refining response actions.

EBMUD also has a Drought Committee made up of managers and senior management who convene as necessary to address drought related problems and responses. Under the direction of the Drought Committee, the DMP guidelines were updated in 2015 and 2016. For this update of the UWMP, the Drought Committee recommended reviewing the DMP guidelines once again as discussed in Section 4 to refine based on the recent drought as well as to reflect new legislation. This evaluation and assessment support the refinement process that EBMUD takes to ensure WSCP is prepared adequately and implemented as an adaptive management plan to provide guidance leading up to and during a water shortage situation.







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Stantec is a global leader in sustainable engineering, architecture, and environmental consulting. The diverse perspectives of our partners and interested parties drive us to think beyond what's previously been done on critical issues like climate change, digital transformation, and future-proofing our cities and infrastructure. We innovate at the intersection of community, creativity, and client relationships to advance communities everywhere, so that together we can redefine what's possible.



# **EXHIBIT D**

# East Bay

## Municipal Utility District

### Wastewater Cost of Service & Capacity Fee Study

Final Report / May 6, 2019







May 6, 2019

Ms. Eileen White  
Director of Wastewater  
East Bay Municipal Utility District  
375 11<sup>th</sup> Street  
Oakland, CA 94607

**Subject: Wastewater Cost of Service Rate Study & Capacity Fee Study Report**

Dear Ms. White:

Raftelis Financial Consultants, Inc. (Raftelis) is pleased to provide this report summarizing the Wastewater Cost of Service Study (COS Study) & Wastewater Capacity Fee Study (WCF Study) for the East Bay Municipal Utility District (District) to establish wastewater rates, charges, and capacity fees that are consistent with applicable law.

The major objectives of the Cost of Service Study include the following:

- )] Review the District's current wastewater rate structures.
- )] Conduct a cost of service analysis for wastewater rates and charges subject to Proposition 218.
- )] Review and update the detailed cost allocations for the unit processes at the Main Wastewater Treatment Plant (MWWTP).
- )] Evaluate alternative methods of measuring wastewater strength and recommend a method.
- )] Review domestic strength concentration to reflect reduced flows at plant.
- )] Review allocation of wet weather costs to reflect the costs of I&I into the plant.
- )] Develop fair and equitable wastewater user charges.
- )] Validate cost of service methodology and calculation of wastewater charges.
- )] Demonstrate the impacts of the proposed wastewater user charges on typical customer bills.

The major objectives of the Wastewater Capacity Fee Study include the following:

- )] Review the existing Wastewater Capacity Fee (WCF) and update as needed.
- )] Increase transparency and simplify the administration of the WCF.

The Report summarizes the key findings and recommendations related to the development of the Wastewater Cost of Service Study and the Wastewater Capacity Fee Study.

It has been a pleasure working with you, and we thank you and the District staff for the support provided during the course of these studies.

Sincerely,

A handwritten signature in black ink, appearing to read 'Sanjay'.

**Sanjay Gaur**  
*Vice President*

A handwritten signature in black ink, appearing to read 'Hannah Phan'.

**Hannah Phan**  
*Manager*

A handwritten signature in black ink, appearing to read 'Lauren Demine'.

**Lauren Demine**  
*Consultant*

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# Glossary

|   |  |
|---|--|
| Ad Valorem Bond Levy                    | A tax based on the assessed value of real estate with the proceeds designated to pay for municipal bonds   |
| American Water Works Association (AWWA) | American Water Works Association is the largest nonprofit, scientific and educational association dedicated to managing and treating water   |
| BCC                                     | Business Classification Code. EBMUD classification system of non-residential customers based on the type of business operated, and on the 1972 Standard Industrial Classification Manual   |
| Capacity Charges                        | A fee assessed for new connections to the wastewater system to recover the appropriate share of the cost of capital improvements to serve new and expanded connections   |
| Capital Expenses                        | Expenditures for capital assets  |
| CCF                                     | Centum Cubic Feet. Volume equal to 100 cubic feet or 748 gallons.  |
| Chemical Oxygen Demand (COD)            | Measurement of the amount of organic compounds in wastewater that can be oxidized chemically, typically expressed in milligrams per liter (mg/l)   |
| Chemical Oxygen Demand Filtered (CODf)  | Measurement of the amount of organic compounds in wastewater expressed in milligrams per liter (mg/l). CODf is the fraction of total COD measured from a wastewater sample filtered through a 1.5 micron filter..  |
| Commodity Charge                        | Charge for per unit of water (ccf) consumed  |
| COS                                     | Cost of Service  |
| Debt Service                            | The principal and interest payments on debt issued   |
| Depreciation                            | A reduction in the value of an asset with the passage of time.   |
| Domestic Strength - Wastewater          | Concentration of COD/CODf and TSS assigned to domestic strength discharges   |
| EBMUD                                   | East Bay Municipal Utility District  |
| Effluent                                | Outflow from a wastewater treatment plant  |
| Fixed Charge                            | Portion of the customer monthly charge that does not vary with water use. For wastewater charges, sometimes referred to as the service charge.   |
| Flow - Wastewater                       | Volume (ccf) for a given billing period that is used to calculate the wastewater charge  |
| Headworks                               | “Head of the works” of a wastewater treatment plant, which serves as the first step in treatment and incorporates a system of screens, filters, detritors, and classifiers to remove large solids, grit, and other debris from the influent wastewater.  |
| Infiltration                            | Water other than wastewater that enters a sewer system during wet weather conditions from the ground through such means as defective pipes, pipe joints, connections or Maintenance Holes.   |
| Inflow                                  | Water other than wastewater that enters a sewer system during wet weather conditions from illicit or unpermitted sources other than Infiltration, such as, but not limited to, roof leaders, foundation drains, yard drains, area drains, drains from springs and swampy areas, Maintenance Hole covers, cross connections between storm sewers and sanitary sewers, catch basins, cooling towers, storm water, surface runoff, street wash waters, or drainage. |

|   |  |
|---|--|
| Infiltration and Inflow (I&I)             | All water from both Infiltration and Inflow without distinguishing the source.   |
| Influent                                  | Inflow to a wastewater treatment plant.  |
| Loadings - Wastewater                     | Amount of wastewater flow and strength in the influent   |
| MWWTP                                     | Main Wastewater Treatment Plant  |
| Million Gallons Per Day (MGD)             | Equal to 1 million gallons over the period of one day  |
| MFR                                       | Multi-Family Residential. Customer Class for multi-dwelling residential buildings (up to 4 dwelling units per building) without individual water meters. Multi-dwelling residential units with 5 or more dwelling units per building without individual meters are considered non-residential for wastewater billing purposes. |
| Non-Residential - Wastewater              | Customers who are not in the Single Family or Multi-Family customer classes for wastewater billing purposes  |
| Operations and Maintenance (O&M) Expenses | Expenditures for daily operations and maintenance of the wastewater system   |
| Plant Balance                             | An estimation of the wastewater flow and wastewater strength from all types of wastewater customers that is then aggregated and checked (balanced) against the total flow and strength measured at the plant.  |
| Proposition 218                           | Constitutional amendment passed in 1996 that creates procedural and substantive limitations for adopting new or increased property related fees, charges, or assessments, and reinforces voter approval requirements for new, increased, or extended taxes.  |
| Proposition 26                            | Constitutional amendment passed in 2010 that exempts certain fees and charges from the definition of a “tax” for purposes of voter approval, including fees or charges for services or products provided by a local government.  |
| Rate Revenue Requirement                  | The portion of annual operating, maintenance and capital-related expenses that must be recovered from annual wastewater rates and charges  |
| RCLD                                      | Replacement Cost Less Depreciation   |
| Reserves                                  | District cash that is not part of current year revenues  |
| Residential - Wastewater                  | Customers in the single-family residential or multi-family residential customer class for the purpose of wastewater billing  |
| Resource Recovery (R2)                    | Trucked waste program  |
| Revenue Offsets                           | Non-wastewater revenue that is used to pay a portion of the annual operating, maintenance and capital related expenses   |
| Revenue Requirement                       | The annual revenue needed to fund operating, maintenance, and capital-related expenses that are required to provide wastewater service   |
| Raftelis                                  | Raftelis Financial Consultants   |
| Service Charge - Wastewater               | Fixed monthly wastewater charge  |
| Sewer Lateral                             | Pipe or pipes and appurtenance that carry sewage and liquid waste from any building or facility that is required to be provided with public sewer service, or that is actually provided with public sewer service, to the sanitary sewer main  |
| SFR                                       | Single Family Residential. Residential customers with one dwelling unit with an individual water meter   |

|                               |  |
|-------------------------------|--|
| Strength - Wastewater         | COD/CODf and TSS component of a wastewater customer's discharge  |
| Test Year                     | A full year of actual functionalized expense data available at the time the study commenced and a representative year for the District.  |
| Total Suspended Solids (TSS)  | Measurement of solid materials, including organic and inorganic, that are suspended in wastewater, typically expressed in mg/l   |
| WEF                           | Water Environment Federation. The Water Environment Federation provides technical education and training for water quality professionals who clean water and return it safely to the environment |
| WCF                           | Wastewater Capacity Fee  |
| Wet Weather Facilities Charge | Wastewater charge collected on the property tax bill to fund the capital facilities designed to meet peak wet weather flows that are in excess of normal wastewater discharge                    |
| W&C                           | Woodard & Curran   |

# 1. Executive Summary

## 1.1. Introduction

In June 2018, East Bay Municipal Utility District (District) engaged Raftelis Financial Consultants, Inc. (Raftelis) to conduct two studies: (1) a cost of service (COS) study for the District's wastewater rates and charges subject to Proposition 218; and (2) and a capacity fee study of the District's Wastewater Capacity Fee (WCF), which is not subject to Proposition 218, but is governed by other laws including Government Code Section 66013.

This report documents the resultant findings, analyses, and proposed changes to the wastewater rates, charges and capacity fees from these studies in two Parts:

- )] Part I of this report summarizes the COS Study. The purpose of the COS Study is to evaluate and update wastewater rates and charges to reflect increased costs and/or new or changed conditions, in accordance with the requirements of Proposition 218.
- )] Part II of this report summarizes the WCF Study. The purpose of the WCF Study is to review and update the Wastewater Capacity Fee in accordance with the rules and regulations of California State Assembly Bill 1600 (AB 1600) applicable to capacity fees and connection fees and, specifically, Government Code Section 66013.

This report is formal technical documentation in support of modifications to the wastewater rates and capacity fees.

## 1.2. Part I: Wastewater Cost of Service Study

### 1.2.1. INTRODUCTION

The District's wastewater charges have defined three customer classes: single-family residential (SFR), multi-family residential (MFR), and non-residential. Non-residential customers are further classified based on the type of business operated and assigned into Business Classification Codes (BCC) based on common characteristics of wastewater contributed to the system, including flow and strength. Together, the rates for the components of the wastewater service fees are structured to proportionately recover the costs of providing wastewater services among the various customer classes.

As described in this report, the rates for the wastewater fees have five components: a Service Charge, a Flow Charge, a Strength Charge, a San Francisco (SF) Bay Pollution Prevention Fee, and a Wet Weather Facilities Charge.

### 1.2.2. LEGAL FRAMEWORK FOR COST OF SERVICE STUDY

In November 1996, California voters approved Proposition 218, which amended the California Constitution by adding Article XIII C and Article XIII D. Article XIII D placed substantive limitations on the use of the revenue collected from property-related fees and on the amount of the fee that may be imposed on each parcel. Additionally, it established procedural requirements for imposing new, or increasing existing, property-related fees. The California Supreme Court has determined that water and wastewater service fees are property-related fees subject to Proposition 218. The COS Study evaluated and updated the wastewater rates and charges in accordance with the requirements of Proposition 218, as summarized in Sections 2.2 herein.

### 1.2.3. COST OF SERVICE PROCESS AND METHODOLOGY

For the wastewater COS analysis, Raftelis followed the guidelines for allocating costs detailed in the Water Environment Federation (WEF) Manual of Practice No. 27, Financing and Charges for Wastewater Systems, 2004. The wastewater COS analysis consists of six major steps, as outlined below:

1. Conduct a plant balance analysis to estimate the flows and strength characteristics of each customer class.
2. Functionalize Operations and Maintenance (O&M) expenses and capital costs into functional categories such as Treatment, Billing and Customer Service.
3. Allocate each functional category into cost components such as Infiltration and Inflow (I&I), Flow, Strength, Billing and Customer Service.
4. Develop customer class characteristics by cost component.
5. Calculate the cost component unit rates by dividing the total cost in each cost component in Step 3 by the customer class characteristics in Step 4.
6. Calculate the cost for each customer class by multiplying the unit cost in Step 5 by the customer class characteristics in Step 4.

The COS analyses were performed using the data from the District for fiscal year 2017 (FY 2017)<sup>1</sup>, henceforth referred to as the Test Year. This was a full year of actual functionalized expense data available at the time the COS Study commenced and was a representative year for the District. Required adjustments were made to Test Year rates and charges based on the District FY 2017 actuals for development of updated FY 2017 rates and charges presented here. The results of the COS analyses were used for the new revenue requirements for FY 2020 and FY 2021 to calculate the proposed FY 2020 and FY 2021 rates and charges.

### 1.2.4. COST OF SERVICE ANALYSIS

To calculate fair and equitable rates so that users pay in proportion to the cost of providing service, Raftelis allocated the total revenue requirements to wastewater flow, chemical oxygen demand (COD), and total suspended solids (TSS) consistent with the previously identified WEF/industry guidelines. Since wastewater flow or volumes are not directly measured for each customer, District staff estimated the wastewater flows and loadings (flow, COD, and TSS) for each customer class through a plant balance analysis, which is used to estimate and validate the wastewater loadings (flow, COD, and TSS) generated by each customer class. Unit costs are calculated for flow, COD, and TSS and cost responsibility is assigned to various customer classes in proportion to their loadings. Costs to serve different customer classes are determined; rates are then designed to proportionately recover the costs in compliance with Proposition 218 requirements, which are described in more detail in Section 2.2.1.

### 1.2.5. OBJECTIVES OF THE COST OF SERVICE STUDY

In reviewing the District's existing rates and charges, Raftelis discussed a number of considerations with staff and the following items were identified as primary objectives of the cost of service study.

1. Review the District's current wastewater rate structures.
2. Conduct a cost of service analysis for wastewater rates and charges subject to Proposition 218.
3. Review and update the detailed cost allocations for the unit processes at the Main Wastewater Treatment Plant (MWWTP).

---

<sup>1</sup> The District's fiscal year begins on July 1<sup>st</sup> and ends on June 30<sup>th</sup>. "FY 2017" refers to the 12-months ending June 30, 2017.



4. Evaluate alternative methods of measuring wastewater strength and recommend a method.
5. Review domestic strength concentration to reflect reduced flows at plant.
6. Review allocation of wet weather costs to reflect the costs of I&I into the plant.
7. Develop fair and equitable wastewater user charges.
8. Validate cost of service methodology and calculation of wastewater charges.
9. Demonstrate the impacts of the proposed wastewater user charges on typical customer bills.

### **1.2.6. COST OF SERVICE RESULTS**

Through the COS analysis process described in Section 1.2.3 above, the significant outcomes of the wastewater COS analysis are as follows:

1. The detailed cost allocations for the unit processes at the MWWTP were reviewed and updated by Woodard & Curran (W&C) to ensure that they were accurate. This update resulted in very minor changes.
2. The District changed the wastewater strength measure from Chemical Oxygen Demand filtered (CODf) to Chemical Oxygen Demand (COD). CODf was originally used for industrial high strength customers; however, the majority of these customers have left the District's service area. A survey of major wastewater agencies determined that most use COD as their strength measurement. The decision to switch to COD makes the District more consistent with other larger agencies and allows for easier rate comparisons with neighboring communities.
3. Sampling results indicated that residential strengths are lower than those assumed in the 2015 COS Study. Lower influent strength measured at the MWWTP also confirmed lower strength for residential customers and non-residential customers. However, the decrease in the residential strengths were larger than those for non-residential which resulted in a shift in the proportion of costs from residential to non-residential users causing non-residential flow and strength charges to increase.
4. Adjustments were made to the Wet Weather Facilities Charge to more accurately reflect the costs of the program. The COS analysis indicated a small increase in the I&I costs relative to the treatment flow and strength for the Test Year.

### **1.2.7. PROPOSED WASTEWATER RATES**

Based on our review, Raftelis recommends that the District retain its current wastewater user charge structure. This structure includes monthly fixed service and strength charges, a flow charge per ccf based on water usage with a maximum of nine (9) hundred cubic feet (ccf) per month for residential customers. A maximum charge of nine (9) ccf per month is used because an analysis of the District's billing records shows that about 97 percent of all residential customers' winter water use is at or below this amount. As such, this amount provides a reasonable estimate of wastewater discharge.

Residential customers consist of SFR and MFR up to a fourplex. The current rate structure is familiar to customers and encourages conservation while providing revenue stability to the District.

Under the current rate structure, non-residential customers are assessed a monthly fixed service charge and a flow charge per ccf based on their BCC.

Table 1-1 and Table 1-2 show the proposed wastewater rates for residential and non-residential customers, respectively, with the COS adjustments for FY 2017 and proposed rates for FY 2020 and FY 2021.

**Table 1-1: Proposed Updated FY 2017 and Proposed FY 2020 & FY 2021 Wastewater User Charges – Residential (Single Family and Multi-Family up to a fourplex)**

|  | FY 2017 | FY 2020 | FY 2021 |
|--|---------|---------|---------|
| Service Charge (per account)                   | \$6.12  | \$7.02  | \$7.30  |
| Strength Charge (per dwelling unit)            | \$6.37  | \$7.31  | \$7.60  |
| Minimum monthly charge per household           | \$12.49 | \$14.33 | \$14.90 |
| Plus: A flow charge per ccf (maximum of 9 ccf) | \$1.11  | \$1.27  | \$1.32  |
| Minimum monthly charge at 0 units              | \$0.00  | \$0.00  | \$0.00  |
| Maximum monthly charge at 9 units              | \$9.99  | \$11.43 | \$11.88 |
| <b>Total Residential Charge</b>                |         |         |         |
| Minimum monthly charge                         | \$12.49 | \$14.33 | \$14.90 |
| Maximum monthly charge                         | \$22.48 | \$25.76 | \$26.78 |
| Average monthly charge at 6 ccf                | \$19.15 | \$21.95 | \$22.82 |

**Table 1-2: Proposed Updated FY 2017 and Proposed FY 2020 & FY 2021 Wastewater User Charges – Non-Residential**

|  | FY 2017 | FY 2020 | FY 2021 |
|--|---------|---------|---------|
| Monthly Service Charge (per meter)   | \$6.12  | \$7.02  | \$7.30  |
| Treatment charge including flow processing (per ccf of sewage discharge)                           |         |         |         |
| <b><u>BUSINESS CLASSIFICATION CODE (BCC)</u></b>   |         |         |         |
| Meat Products  | \$7.74  | \$8.90  | \$9.24  |
| Slaughterhouses  | \$7.41  | \$8.50  | \$8.83  |
| Dairy Product Processing   | \$6.07  | \$6.98  | \$7.25  |
| Fruit and Vegetable Canning  | \$4.89  | \$5.61  | \$5.83  |
| Grain Mills  | \$4.87  | \$5.58  | \$5.80  |
| Bakeries (including Pastries)  | \$8.41  | \$9.65  | \$10.03 |
| Sugar Processing   | \$4.81  | \$5.53  | \$5.74  |
| Rendering Tallow   | \$14.61 | \$16.74 | \$17.40 |
| Beverage Manufacturing & Bottling  | \$3.65  | \$4.19  | \$4.36  |
| Specialty Foods Manufacturing  | \$15.70 | \$18.05 | \$18.75 |
| Pulp and Paper Products  | \$4.18  | \$4.79  | \$4.98  |
| Inorganic Chemicals Mfr.   | \$5.38  | \$6.16  | \$6.40  |
| Synthetic Material Manufacturing   | \$1.26  | \$1.44  | \$1.50  |
| Drug Manufacturing   | \$2.71  | \$3.11  | \$3.23  |
| Cleaning and Sanitation Products   | \$5.48  | \$6.30  | \$6.54  |
| Paint Manufacturing  | \$10.57 | \$12.14 | \$12.61 |
| Ink and Pigment Manufacturing  | \$3.82  | \$4.39  | \$4.56  |
| Leather Tanning and Finishing  | \$14.60 | \$16.77 | \$17.43 |
| Earthenware Manufacturing  | \$2.97  | \$3.40  | \$3.53  |
| Primary Metals Manufacturing   | \$2.35  | \$2.69  | \$2.80  |
| Metal Products Fabricating   | \$1.38  | \$1.57  | \$1.64  |
| Drum and Barrel Manufacturing  | \$14.86 | \$17.08 | \$17.74 |
| Metal Coating  | \$1.49  | \$1.71  | \$1.77  |
| Air Transportation   | \$1.96  | \$2.25  | \$2.34  |
| Food Service Establishments  | \$5.09  | \$5.83  | \$6.06  |
| Apartment Buildings (5 or more units)  | \$2.47  | \$2.83  | \$2.94  |
| Hotels, Motels with Food Service   | \$3.66  | \$4.19  | \$4.36  |
| Commercial Laundries   | \$3.29  | \$3.77  | \$3.92  |
| Coin Operated Laundromats  | \$2.47  | \$2.83  | \$2.94  |
| Industrial Laundries   | \$9.34  | \$10.73 | \$11.15 |
| Laboratories   | \$1.77  | \$2.02  | \$2.11  |
| Automobile Washing and Polishing   | \$2.34  | \$2.68  | \$2.79  |
| Hospitals  | \$2.25  | \$2.57  | \$2.68  |
| Schools  | \$1.66  | \$1.89  | \$1.97  |
| All Other BCC (includes dischargers of only segregated domestic wastes from sanitary conveniences) | \$2.47  | \$2.83  | \$2.94  |

In addition to the fixed and flow charges described above, the District imposes the Wet Weather Facilities Charge (WWFC). The WWFC funds capital expenses for the I&I facilities (wet weather facilities, interceptors, pumping stations and storage basins) that are required to handle the wet weather flows that enter the wastewater system through the local wastewater collection systems and sewer connections. Under the Consent Decree entered into

amongst the District, certain state and federal water quality regulatory agencies, and seven local public entities which own and operate wastewater collection systems in the District's wastewater service area, which became effective on September 22, 2014, the District and the participating agencies are required to demonstrate by 2036 that sufficient rehabilitation work has been performed on the East Bay regional wastewater collection and transmission system to eliminate discharges from the District's Wet Weather Facilities except during storm events of exceptional magnitude. The Consent Decree requires the District and the participating agencies to meet certain pre-established interim benchmark percentage reductions for Wet Weather Facilities discharges.

The District's goal in entering into the Consent Decree was to achieve a plan that serves the interests of the District and its ratepayers by adequately reducing wet weather flows while ensuring any necessary financial investments are apportioned and scheduled in the most cost-effective and equitable manner possible. The District's investment in its I&I facilities are an important component of its ability to address wet weather flows and meet the requirements of the Consent Decree. The costs of the I&I facilities are recovered through the District's WWFC.

The volume of wet weather flows that enter the wastewater system from each property is proportional to the size of the collection system needed to serve each property. Properties with larger lots require more linear feet of collection system which presents more opportunity for storm water and ground water to enter through defects in the collection system. The volume of wet weather flows in the collection system has no direct relationship to a customer's monthly water use or if the wastewater discharge is from a residential or non-residential customer. For these reasons, lot size rather than water service use is used as basis of the WWFC. The structure of the WWFC is based on the rationale that larger lots contribute proportionally more to the wet weather flows than smaller lots. Accordingly, the WWFC is structured into three generalized lot sizes (or bins): 0 to 5,000 square feet (sq ft), 5,001 to 10,000 sq ft, and over 10,001 sq ft. The WWFC is based on median lot size for each of these bins.

The wet weather capital facilities are designed to handle wet weather flows that are in excess of the normal wastewater discharges from wastewater customers. Because the WWFC is based on the size of the property and is unrelated to water or wastewater usage at the property, the District collects the WWFC on the property tax bill for all parcels that have connections to the local wastewater collection systems within the District's wastewater service area. The WWFC for public agencies that are exempt from property taxes is collected through the District's billing process.

The WWFC was reviewed as part of the 2019 COS Study. With adjustment for the 2019 COS Study and the proposed overall four percent (4%) FY 2020 wastewater rate increase, the WWFC will increase 7.2 percent (7.2%) in FY 2020 when compared to the FY 2019 charge. The proposed increase for FY 2021 is four percent (4%).

Table 1-3 shows the proposed updated FY 2017 and proposed FY 2020 and FY 2021 Wet Weather Facilities Charge, based on median lot size for each lot size bin.

**Table 1-3: Proposed Updated FY 2017 and Proposed FY 2020 & FY 2021 Wet Weather Facilities Charge**

| Lot Size (sq ft) | FY 2017  | FY 2020  | FY 2021  |
|------------------|----------|----------|----------|
| 0 – 5,000        | \$97.00  | \$111.24 | \$115.70 |
| 5,001 – 10,000   | \$151.56 | \$173.78 | \$180.74 |
| >10,001          | \$346.39 | \$397.20 | \$413.10 |

## 1.2.8. CUSTOMER IMPACTS

Table 1-4 shows the bill impacts for different customers with typical water usage with the proposed updated FY 2017 rates.

**Table 1-4: Typical Customers' Wastewater Bill Impacts for FY 2017**

| Customer Class                  | Monthly Flow (ccf) | FY 2017 Current Bill | FY 2017 Proposed Bill | Difference (\$) | Difference (%) |
|---------------------------------|--------------------|----------------------|-----------------------|-----------------|----------------|
| SFR                             | 6                  | \$19.73              | \$19.15               | (\$0.58)        | -2.9%          |
| MFR – Fourplex                  | 25                 | \$63.36              | \$59.35               | (\$4.01)        | -6.3%          |
| Commercial – Office             | 50                 | \$129.55             | \$129.62              | \$0.07          | 0.1%           |
| Commercial – Restaurant         | 50                 | \$253.05             | \$260.62              | \$7.57          | 3.0%           |
| Industrial – Food Manufacturing | 500                | \$7,255.55           | \$7,856.12            | \$600.57        | 8.3%           |

Note: Bill does not include SF Pollution Prevention Fee

Table 1-5 shows the bill impacts for different customers with typical water usage with the proposed FY 2020 rates compared to the current FY 2019 rates.

**Table 1-5: Typical Customers' Wastewater Bill Impacts for FY 2020**

| Customer Class                  | Monthly Flow (ccf) | FY 2019 Current Bill | FY 2020 Proposed Bill | Difference (\$) | Difference (%) |
|---------------------------------|--------------------|----------------------|-----------------------|-----------------|----------------|
| SFR                             | 6                  | \$21.75              | \$21.95               | \$0.20          | 0.9%           |
| MFR – Fourplex                  | 25                 | \$69.84              | \$68.01               | (\$1.83)        | -2.6%          |
| Commercial – Office             | 50                 | \$142.62             | \$148.52              | \$5.90          | 4.1%           |
| Commercial – Restaurant         | 50                 | \$279.62             | \$298.52              | \$18.90         | 6.8%           |
| Industrial – Food Manufacturing | 500                | \$8,001.12           | \$9,032.02            | \$1,030.90      | 12.9%          |

Note: Bill does not include SF Pollution Prevention Fee

Table 1-6 shows the bill impacts for different customers with typical water usage with the proposed FY 2021 rates compared to the proposed FY 2020 rates.

**Table 1-6: Typical Customers' Wastewater Bill Impacts for FY 2021**

| Customer Class                  | Monthly Flow (ccf) | FY 2020 Proposed Bill | FY 2021 Proposed Bill | Difference (\$) | Difference (%) |
|---------------------------------|--------------------|-----------------------|-----------------------|-----------------|----------------|
| SFR                             | 6                  | \$21.95               | \$22.82               | \$0.87          | 4.0%           |
| MFR – Fourplex                  | 25                 | \$68.01               | \$70.70               | \$2.69          | 4.0%           |
| Commercial – Office             | 50                 | \$148.52              | \$154.30              | \$5.78          | 3.9%           |
| Commercial – Restaurant         | 50                 | \$298.52              | \$310.30              | \$11.78         | 3.9%           |
| Industrial – Food Manufacturing | 500                | \$9,032.02            | \$9,382.30            | \$350.28        | 3.9%           |

Note: Bill does not include SF Pollution Prevention Fee

## 1.3. Part II: Wastewater Capacity Fee Study

### 1.3.1. INTRODUCTION

The District levies WCFs on new developments that connect to and existing users that expand their use of the wastewater system. The WCF is based on the cost of facilities required to provide capacity for new development. The wastewater system capacity is expressed in terms of wastewater flow volume (Flow) and strength factors for COD and TSS.

The WCF is designed to recover the reasonable cost of the capital facilities necessary to provide wastewater treatment capacity to new and expanded development. When a property is developed or redeveloped within the District's service area, the District imposes a capacity fee. The customer's need for an increase in system capacity can be the result of a new connection to the system or a significant change in use on an existing connection that

results in an increase in Flow and/or wastewater discharge strength. The objective of a capacity fee is to assess against the benefitting party, their proportionate share of the cost of infrastructure required to provide them service.

### 1.3.2. LEGAL FRAMEWORK FOR CAPACITY FEES

Capacity fees are not subject to Proposition 218. However, the District's authority to impose the WCF is limited by other statutory and constitutional provisions. Government Code Section 66013 contains requirements specific to wastewater capacity fees. In addition, procedural requirements for adopting or protesting capacity fees, pursuant to Section 66013, are contained in Sections 66016, 66022, and 66023 of the Government Code. The most pertinent part of Section 66013 states:

“Notwithstanding any other provision of law, when a local agency imposes fees for water connections or sewer connections, or imposes capacity charges, those fees or charges *shall not exceed the estimated reasonable cost of providing the service* for which the fee or charge is imposed...” (emphasis added)

The WCF is also subject to the requirements set forth by Proposition 26, which amended Section 1 of Article XIIC, and requires the District to show the amount charged is not a tax by not exceeding the reasonable amount required to provide the service, as stated in Section 1(e)(2):

“A charge imposed for a specific government service or product provided directly to the payor that is not provided to those not charged, and which does not exceed the reasonable costs to the local government of providing the service or product.”

The District's WCF is structured to meet the requirements of these laws, and to recover the reasonable cost of the facilities necessary to provide capacity for new, or significant changes to existing, sewer connections.

### 1.3.3. WASTEWATER CAPACITY FEES

The existing WCF were last updated in 2013 and were based on the Buy-In methodology. The Buy-In methodology requires new or upsized connections to pay their proportional share of the capital facilities and infrastructure built out and necessary to provide them service. The fee has been updated over the past five years to account for the effects of inflation but has not been updated to account for increased system value.

The wastewater system was built to accommodate build-out demand and, therefore, has surplus capacity to serve the remaining or anticipated growth without major upgrades or improvements. Based on this information, it is reasonable and appropriate to determine capacity fees based on the Buy-In method. Raftelis worked closely with the District to determine the value of the existing system inclusive of R2 assets and of select capital reserves. The value of the system was then spread over the wastewater system capacity in terms of wastewater flow volume (Flow) and strength factors for COD and TSS to determine the proposed capacity fee.

The analysis herein uses the Buy-In method to substantiate the proposed updated SFR WCF of \$2,671 for FY 2019. The proposed FY 2020 SFR WCF is \$2,752, rounded to \$2,750 for the published charge.

Additionally, Raftelis evaluated several approaches for streamlining the process of determining non-residential WCF's. The approach chosen is more straightforward and is similar to the approach used to determine the applicable Water System Capacity Charge (SCC) for new or upsized connections. In conjunction with adopting updated capacity fees, Raftelis recommends that the District should adjust the capacity fees each year to keep pace with inflation by applying the Engineering News Record Construction Cost Index (ENR CCI).



# 2. Part I: Cost of Service Study Overview

## 2.1. Introduction

The District's wastewater service area covers an 88-square-mile area of Alameda and Contra Costa counties along the Bay's east shore, extending from Richmond in the north to Oakland in the south. It serves approximately 685,000 customers. Approximately 69 MGD of wastewater is treated on average at the Main Wastewater Treatment Plant (MWWTP). The wastewater utility is also responsible for the operation and maintenance of 15 wastewater pumping stations, 29 miles of concrete interceptor sewers, 8 miles of force mains, and three wet weather facilities. Each of the cities within the District's wastewater service area operates a sewer collection system that discharges into the District's intercepting sewers.

The major objectives of the COS Study include the following:

- )] Review current wastewater rate structures.
- )] Conduct a cost of service analysis for wastewater rates and charges subject to Proposition 218.
- )] Review and update the detailed cost allocations for the unit processes at the (MWWTP).
- )] Evaluate alternative methods of measuring wastewater strength and recommend a method.
- )] Review domestic strength concentration to reflect reduced flows at plant.
- )] Review allocation of wet weather costs to reflect the costs of I&I into the plant.
- )] Develop fair and equitable wastewater user charges.
- )] Validate cost of service methodology and calculation of wastewater charges.
- )] Demonstrate the impacts of the proposed wastewater user charges on typical customer bills.

Part I of this report provides an overview of the COS Study and includes findings and recommendations for wastewater user charges.

## 2.2. Legal Framework and Rate Setting Methodology

### 2.2.1. LEGAL FRAMEWORK<sup>2</sup> - COST OF SERVICE STUDY

In November 1996, California voters approved Proposition 218, which amended the California Constitution by adding Article XIII C and Article XIII D. Article XIII D placed substantive limitations on the use of the revenue collected from property-related fees and on the amount of the fee that may be imposed on each parcel. Additionally, it established procedural requirements for imposing new, or increasing existing, property-related fees. The California Supreme Court has determined that wastewater service fees are property-related fees subject to Proposition 218.

In accordance with these provisions, a property-related fee must meet all of the following requirements: (1) revenues derived from the fee must not exceed the funds required to provide the property-related service; (2) revenues from the fee must not be used for any purpose other than that for which the fee is imposed; (3) the

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<sup>2</sup> Raftelis does not practice law nor does it provide legal advice. The above discussion is to provide a general review of apparent state institutional constraints and is labeled "legal framework" for literary convenience only.

amount of a fee imposed upon any parcel or person as an incident of property ownership must not exceed the proportional cost of the service attributable to the parcel; (4) the fee may not be imposed for a service, unless the service is actually used by, or immediately available to, the owner of the property subject to the fee. A fee based on potential or future use of a service is not permitted and stand-by charges must be classified as assessments subject to the ballot protest and proportionality requirements for assessments; (5) no fee may be imposed for general governmental services, such as police, fire, ambulance, or libraries, where the service is available to the public in substantially the same manner as it is to property owners. The five substantive requirements in Article XIII D are structured to place limitations on (1) the use of the revenue collected from property-related fees and (2) the allocation of costs recovered by such fees to ensure that they are proportionate to the cost of providing the service attributable to each parcel.

## 2.2.2. RATE SETTING PROCESS

**Revenue Requirements.** The COS Study used the revenue requirements method for allocating costs of service. This methodology is consistent with industry standards established by the WEF. The revenue requirements analysis “compares the revenues of the utility to its operating and capital costs to determine the adequacy of the existing rates to recover the utility’s costs.”<sup>3</sup>

**Cost of Service.** After determining a utility’s revenue requirements, the next step in the analysis is determining the cost of service. The COS Study functionalized the costs, expenses, and assets of the wastewater system by major operating functions to determine the cost of service. After the assets and the costs of operating those assets were properly categorized by function, the COS Study classified them and allocated the revenue requirements to the various customer classes (e.g., single-family residential, multi-family residential, and non-residential) by determining the characteristics of those classes and the customer class’ contribution to the incurred costs, such as flow and strength service characteristics. The impact that these matters have on system operations determined how the costs were allocated among the various customer classes.

**Rate Design.** The final part of the analysis was the rate design. Rate design involves developing a rate structure that proportionately recovers costs from customers. The final rate structure and rate recommendations were based on the District’s existing rate design and updated to fund the utility’s long-term projected costs of providing service, proportionally allocate costs to all customers, provide a reasonable and prudent balance of revenue stability while encouraging conservation, and comply with the substantive requirements of Article XIII D.

## 2.3. Organization of Part I: Wastewater Cost of Service

Part I of this Report includes three sections in addition to the Executive Summary and this Overview. A brief description of the remaining sections follows.

- ) **Section 3 – Cost of Service Analysis: Wastewater Utility** describes the findings and results of the wastewater rate study. It includes a description of the wastewater system, the wastewater cost of service methodology, the user classifications, the determination of annual revenues required from user charges, and a detailed discussion on the Cost of Service, which includes allocation of costs to wastewater parameters and the determination of unit costs.
- ) **Section 4 – Proposed Wastewater User Charges** includes a detailed discussion of the proposed wastewater user charges and the customer impacts resulting from the proposed user charges.

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<sup>3</sup> American Water Works Association, Principles of Water Rates, Fees and Charges: Manual of Water Supply Practices M1 (6th ed. 2012).



- ) **Section 5 – Proposed FY 2020 and FY 2021 Wastewater User Charges** includes the revenue requirements proposed for FY 2020 and FY 2021 and proposed user charges using the results of the Cost of Service.
- ) **Appendices** - includes the results of the wastewater strength survey, a detail of the O&M expenses, and the fixed asset listing.

## 2.4. Acknowledgements

This Report was a team effort among the District’s Project Team, the Woodard & Curran Team, and the Raftelis Team. We would like to thank the individuals listed below who contributed their time, expertise, and support to make this project a success. Throughout the project the input and direction provided by the District Project Team was critical to addressing the numerous issues and topics enumerated in this report.

- ) Eileen White – EBMUD, Wastewater Director
- ) Catherine Humphrey - EBMUD, Principal Management Analyst
- ) Tepa Banda – EBMUD (formerly), Principal Management Analyst
- ) Alicia Chakrabarti – EBMUD, Manager of Wastewater Environmental Services
- ) Phoebe Grow – EBMUD, Supervising Wastewater Control Representative
- ) Kristen Font – EBMUD, Wastewater Control Representative
- ) Saji Pierce – EBMUD, Attorney
- ) Richard Lou – EBMUD, Principal Management Analyst
- ) Sophia Skoda – EBMUD, Finance Director
- ) Dave Richardson – Woodard & Curran, Principal
- ) Mark Takemoto – Woodard & Curran, Senior Wastewater Engineer, Project Manager
- ) Susan Hsu – Woodard & Curran, Environmental Engineer

# 3. Cost of Service Analysis: Wastewater Utility

This section of the report discusses the allocation of O&M expenses and capital costs to the appropriate functional categories consistent with industry standards and the determination of unit costs. In this COS Study, wastewater rates were calculated based on data from FY 2017 because it was a representative year and because there was a full year of actual, functionalized expense data available at the time the COS Study commenced. Accordingly, FY 2017 is defined as the Test Year. Test Year revenue requirements are used in the cost allocation process. In Section 5, the FY 2020 and FY 2021 proposed revenue requirements will be used to calculate the proposed FY 2020 and FY 2021 user charges following the results of the cost of service for the Test Year.

As part of the COS Study, the District has defined three customer classes for the wastewater system: SFR, MFR, and non-residential. Non-residential customers are further classified into Business Classification Codes based on the type of business operated, which are grouped together or identified based on common characteristics of wastewater contributed to the system, including flow and strength. Together, the rates for the components of the wastewater service fees are structured to proportionately recover the costs of providing wastewater services among the various customer classes. As described in this report, the rates for the wastewater fees have five components: a Service Charge, a Flow Charge, a Strength Charge, a SF Bay Pollution Prevention Fee, and a Wet Weather Facilities Charge.

To allocate the cost of service among the different customer classes, costs first need to be allocated to the appropriate wastewater functional categories. The following sections describe the allocation of the operating and capital costs of service to the appropriate parameters of the wastewater system.

The total cost of wastewater service is analyzed by system function in order to equitably distribute costs of service to the various classes of customers. For this analysis, wastewater utility costs of service are developed consistent with the guidelines for allocating costs detailed in the WEF Manual of Practice No. 27, Financing and Charges for Wastewater Systems, 2004.

The wastewater COS analysis consists of six major steps, as outlined below:

1. Conduct plant mass balance analysis to estimate the flows and strength characteristics of each customer class.
2. Functionalize O&M expenses and capital costs into functional categories such as Treatment, Billing, and Customer Service.
3. Allocate each functional category into cost components such as Infiltration and Inflow (I&I), Flow, Strength, and Billing and Customer Service.
4. Develop customer class characteristics by cost component.
5. Calculate the cost component unit rates by dividing the total cost in each cost component in Step 3 by the customer class characteristics in Step 4.
6. Calculate the cost by customer class by multiplying the unit cost in Step 5 by the customer class characteristics in Step 4.

### 3.1. Wastewater COS Study Objectives

In reviewing the District's existing rates and charges, Raftelis discussed a number of considerations with staff. In addition to the general updates of cost of service, the following items were identified as primary objectives of the COS Study.

1. Review current wastewater rate structures.
2. Conduct a cost of service analysis for wastewater rates and charges subject to Proposition 218.
3. Review and update the detailed cost allocations for the unit processes at the (MWWTP).
4. Evaluate alternative methods of measuring wastewater strength and recommend a method.
5. Review domestic strength concentration to reflect reduced flows at the plant.
6. Review allocation of wet weather costs to reflect the costs of I&I into the plant.
7. Develop fair and equitable wastewater user charges.
8. Validate cost of service methodology and calculation of wastewater charges.
9. Demonstrate the impacts of the proposed wastewater user charges on typical customer bills.

### 3.2. Wastewater Characterization and Unit Process O&M and Capital Cost Allocation Update

This section documents the results as well as the methodology and assumptions used to update wastewater treatment unit processes at the MWWTP and the O&M and capital cost allocations for the COS Study. Woodard & Curran (W&C) reviewed the assumptions and methods used to calculate O&M and capital cost allocations used in the 2015 Wastewater Cost of Service Study (2015 COS Study) prepared by Raftelis which were based on the 2000 Wastewater Rates Cost Allocation Updated (2000 COS Study) prepared by Carollo Engineers. For the current COS Study, focused updates were made to the wastewater characterization parameters, specifically the parameters used for organic strength and applied to overall residential wastewater strength. In addition, updated O&M and capital cost allocations were calculated to apply to parameters of Inflow & Infiltration (I&I) flow [stormwater (SW) and groundwater (GW) flow], wastewater flow (WW), Chemical Oxygen Demand (COD), and Total Suspended Solids (TSS) .

#### 3.2.1. WASTEWATER CHARACTERIZATION UPDATE

As part of the 2018 COS Study, updates to the wastewater characterization for organic strength and for residential wastewater strength were performed.

##### 3.2.1.1. Update to Organic Strength Measurement

The 2000 and 2015 COS Studies utilized Chemical Oxygen Demand filtered (COD<sub>f</sub>) as a parameter for organic strength. COD<sub>f</sub> is the fraction of total COD that is measured from a wastewater sample filtered through a 1.5-micron filter. Historically COD<sub>f</sub> has been used by the District due to the cannery and industrial discharges of its customers at the time. However, presently COD<sub>f</sub> is not commonly used as a wastewater strength measurement, and the District's customer base no longer includes many high strength industrial customers where the distinction is relevant.

Carbonaceous Biochemical Oxygen Demand (cBOD<sub>5</sub>) and COD were considered as a replacement for COD<sub>f</sub> as part of this COS Study. Raftelis conducted a survey of parameters used by 12 major wastewater agencies to measure wastewater strength and most use either COD or biochemical oxygen demand (BOD) as measurements of organic strength (see Appendix A). COD was chosen over cBOD<sub>5</sub> to be used for the 2018 COS Study because

COD measurements are easier to perform and have a faster analysis turnaround time. COD<sub>f</sub> was replaced directly with COD as part of this COS Study based on the assumption that the ratio of COD<sub>f</sub>/COD is approximately the same for all dischargers. The particulate COD fraction was allocated to only TSS and not COD to avoid repeated allocation (double counting) of the particulate COD fraction.

### 3.2.1.2. Residential Wastewater Strength Characterization

In November 2017 and June 2018, the District conducted residential wastewater sampling at four locations within the EBMUD wastewater service area to characterize the relationship between COD<sub>f</sub>, COD, cBOD, and BOD in residential wastewater for use in the COS Study. The sample results showed that, on average, the COD in residential wastewater is 3.8 times higher than COD<sub>f</sub>. W&C reviewed the sampling data for consistency and correspondence with residential wastewater data from outside the EBMUD wastewater service area. Based on the results of the sampling data, Raftelis developed updated residential strength data with input from District staff.

## 3.2.2. O&M COST ALLOCATION

### 3.2.2.1. O&M Cost Allocation Calculation Process

The O&M functional category allocations from the 2000 COS Study were calculated as illustrated in the following steps:

1. Unit processes were allocated a contribution percentage from each cost component including stormwater (SW) infiltration, groundwater (GW) infiltration parameter, wastewater (WW) flow, COD, and TSS based on the function of the unit process and available flow and wastewater data. Because TSS is the measurement of all solids suspended in wastewater, it also includes the particulate fraction of COD that can be filtered out and is not included in the COD<sub>f</sub> fraction. The particulate COD fraction was allocated to only TSS and not COD to avoid repeated allocation of the particulate COD fraction.

For example, unit cost allocations for oxygenation tank maintenance were calculated based on the assumptions that each of the eight oxygenation tanks are maintained on the same schedule and that the cost associated with stormwater flow is proportional to the number of dedicated wet weather tanks. With 3 of the 8 tanks dedicated to wet weather treatment, the stormwater allocation is calculated as follows:

$$SW = \text{No. Wet Weather Tanks} / \text{Total No. Tanks} = 3/8 = 38\%$$

The remaining cost is allocated to dry weather flow, COD, and TSS equally and calculated as follows:

$$GW = (100\% - 38\%) * 33\%^{(1)} * 10\%^{(2)} = 2\%$$

$$WW = (100\% - 38\%) * 33\%^{(1)} * 90\%^{(2)} = 18\%$$

$$COD = (100\% - 38\%) * 33\%^{(1)} = 21\%$$

$$TSS = (100\% - 38\%) * 33\%^{(1)} = 21\%$$

- Notes:
1. Costs not attributable to stormwater are allocated equally 1/3 each to dry weather flow (wastewater and groundwater), COD, and TSS.
  2. Dry weather flow comprised of 90% wastewater and 10% GW infiltration.

The unit process assignments to each O&M functional categories are presented in Table 3-1. The cost component allocations in bold have been updated in the current COS Study and more details are provided in Section 3.2.2.3.

Each unit process was then assigned to an O&M functional category. The unit processes assigned to each O&M functional category are presented in Table 3-1. Allocations for each O&M category were then calculated in Table 3-2. The unit processes designations in bold have been updated in the current COS Study and more details are provided in Section 3.2.2.3

**Table 3-1: Unit Process Cost Component Allocations**

| Unit Process Designation                   | SW        | GW       | Flow      | COD      | TSS      |
|--|-----------|----------|-----------|----------|----------|
| Interception                               | 16        | 10       | 74        | 0        | 0        |
| Pre/Post Chlorination                      | 16        | 10       | 74        | 0        | 0        |
| Dechlorination                             | 16        | 10       | 74        | 0        | 0        |
| Scum Disposal                              | 0         | 0        | 0         | 0        | 100      |
| Influent Pumping                           | 16        | 10       | 74        | 0        | 0        |
| Grit Removal                               | 16        | 10       | 0         | 0        | 74       |
| Primary Sedimentation (Operation)          | 8         | 9        | 83        | 0        | 0        |
| <b>Primary Sedimentation (Maintenance)</b> | <b>44</b> | <b>6</b> | <b>51</b> | <b>0</b> | <b>0</b> |
| Primary Sludge Pumping                     | 0         | 0        | 0         | 0        | 100      |
| Oxygen Production                          | 0         | 0        | 0         | 50       | 50       |
| Oxygenation Tanks (Operation)              | 8         | 3        | 27        | 31       | 31       |
| Oxygenation Tanks (Power)                  | 8         | 1        | 3         | 44       | 44       |
| Oxygenation Tanks (Maintenance)            | 38        | 2        | 18        | 21       | 21       |
| RAS/WAS Pumping                            | 0         | 0        | 0         | 50       | 50       |
| Operations Center                          | 6         | 3        | 27        | 32       | 32       |
| WAS Thickening                             | 0         | 0        | 0         | 50       | 50       |
| Sludge Digestion                           | 0         | 0        | 0         | 25       | 75       |
| Power Generation Station                   | 6         | 3        | 20        | 32       | 39       |
| Debt Services                              | 0         | 0        | 24        | 35       | 41       |
| Sludge Dewatering                          | 0         | 0        | 0         | 25       | 75       |
| Sludge Disposal                            | 0         | 0        | 0         | 25       | 75       |
| Effluent Disposal                          | 16        | 10       | 74        | 0        | 0        |
| Wet Weather Facilities                     | 100       | 0        | 0         | 0        | 0        |

Each unit process was then assigned to an O&M functional category. The unit processes assigned to each O&M functional category are presented in Table 3-2. The unit process designations in bold have been updated in the current COS Study and more details are provided in Section 3.2.2.4.

**Table 3-2: Unit Process Designation Assignments**

| O&M Functional Categories | Unit Process Designations  |
|---------------------------|--|
| Interceptor               | Interceptor  |
| Wet                       | Wet Weather Facilities   |
| Influent Operations       | Pre/Post Chlorination<br>Dechlorination<br>Influent Pumping<br>Effluent Disposal   |
| Influent Maintenance      | Pre/Post Chlorination<br>Dechlorination<br>Influent Pumping<br>Effluent Disposal   |
| Primary Operations        | Scum Disposal<br>Grit Removal<br>Primary Sedimentation (Operation)<br>Primary Sludge Pumping   |
| Primary Maintenance       | Scum Disposal<br>Grit Removal<br>Primary Sedimentation (Maintenance)<br>Primary Sludge Pumping   |
| Secondary Operations      | Oxygen Production<br>Oxygenation Tanks (Operation)<br>Oxygenation Tanks (Power)<br>Secondary Clarification (Operation)<br>RAS/WAS Pumping<br>Operations Center     |
| Secondary Maintenance     | Oxygen Production<br>Oxygenation Tanks (Maintenance)<br>Oxygenation Tanks (Power)<br>Secondary Clarification (Maintenance)<br>RAS/WAS Pumping<br>Operations Center |
| Sludge Operations         | WAS Thickening<br>Sludge Digestion<br>Sludge Dewatering<br>Sludge Disposal   |
| Sludge Maintenance        | WAS Thickening<br>Sludge Digestion<br>Sludge Dewatering<br>Sludge Disposal   |
| PGS                       | Power Generation Station   |

- Allocations for each O&M functional category were then calculated based on the unit process allocations in each category and the respective cost percentages of each unit process. For example, the secondary maintenance functional category allocations were calculated from the cost weighted average of the cost component allocation for the unit processes assigned to the category including Oxygen Production, Oxygenation Tanks (Maintenance), Oxygenation Tanks (Power), Secondary Clarification (Maintenance), RAS/WAS Pumping, and Operations Center. The values used to calculate the secondary functional category is shown in Table 3-3.

**Table 3-3: Secondary Maintenance Functional Category Allocations<sup>1</sup>**

| Unit Process Designation                | SW         | GW        | Flow       | COD        | TSS        | % of budget |
|---|------------|-----------|------------|------------|------------|-------------|
| O2 Tanks (Mtn)                          | 38         | 2         | 18         | 21         | 21         | 26%         |
| O2 Tanks (Power)                        | 8          | 1         | 3          | 44         | 44         | 6%          |
| Secondary Clarification (Mtn)           | 17         | 3         | 24         | 28         | 28         | 26%         |
| Operations Center                       | 6          | 3         | 27         | 32         | 32         | 6%          |
| RAS/WAS Pumping                         | 0          | 0         | 0          | 50         | 50         | 7%          |
| O2 Production                           | 0          | 0         | 0          | 50         | 50         | 29%         |
| <b>Secondary Maintenance Allocation</b> | <b>15%</b> | <b>2%</b> | <b>13%</b> | <b>35%</b> | <b>35%</b> |             |

Notes: 1. Unit process contribution allocations and relative percent of each O&M budget based on values used in the 2000 COS Study.

### 3.2.2.2. O&M Cost Allocation Review

W&C reviewed the O&M cost allocations from the 2000 and 2005 COS Studies for each unit process designation in view of current wastewater treatment plant operation and available data. The allocations and the unit processes assigned to each O&M category were then reviewed.

#### Flow Contribution Calculations

The stormwater, groundwater infiltration, and wastewater flow contributions of 16%, 10% and 74% used in the 2000 COS Study were used in this COS Study and not updated because the balance of base wastewater flow, stormwater, and groundwater infiltration entering the District's interceptors and the MWWTP has only marginally changed in the last two decades based on review of 2008-2017 flow data. The analysis of 2008 to 2017 flow data is presented below.

The flow contribution percentages from the 2000 COS Study were calculated as follows from influent flow data and customer water consumption data from FY 1990 to FY 1999. In that 10-year period, the Average Day Annual Flow (ADAF) was 76.5 MGD and the Average Dry Weather Flow (ADWF) was 64.1 MGD.

1. Wastewater flow was determined based on water consumption data for industrial, commercial, and residential accounts. The base wastewater flow was estimated at 56.8 MGD. The percentage of flow from the base wastewater flow is estimated as follows:

$$\%WW = WW/ADAF = 56.8/76.5 = 74\%$$

2. Stormwater flow was estimated as the difference of the ADAF and ADWF. The stormwater inflow was estimated as follows:

$$SW = ADAF - ADWF = 76.5 \text{ MGD} - 64.1 \text{ MGD} = 12.4 \text{ MGD.}$$

$$\%SW = (ADAF - ADWF)/ADAF = 12.4/76.5 = 16\%$$



3. Groundwater infiltration flow was estimated as the fraction of ADWF not accounted for in the base wastewater flow. The groundwater inflow was estimated as follows:

$$GW = ADWF - WW = 64.1 \text{ MGD} - 56.8 \text{ MGD} = 7.3 \text{ MGD}$$

$$\%GW = (ADWF - WW)/ADAF = 7.3/76.5 = 10\%$$

### 2008 to 2017 Flow Data Review

W&C reviewed influent flow data from 2008-2017 to verify the above flow allocations are still valid. The 10-year ADAF, ADWF and SW flows from 2008 to 2017 are shown in Table 3-4. The 10-year average ADAF, ADWF, and SW flows have decreased 20%, 21%, and 15%, respectively, from FY 1990-FY 1999 flows.

**Table 3-4: Annual Average Influent Flow Data in MGD from 2008-2017**

| Year  | ADAF        | ADWF        | SW<br>(ADAF-ADWF) |
|---|-------------|-------------|-------------------|
| 2008  | 65          | 58          | 7                 |
| 2009  | 66          | 54          | 12                |
| 2010  | 70          | 55          | 15                |
| 2011  | 67          | 56          | 11                |
| 2012  | 64          | 51          | 13                |
| 2013  | 52          | 49          | 3                 |
| 2014  | 55          | 46          | 9                 |
| 2015  | 47          | 43          | 4                 |
| 2016  | 59          | 45          | 14                |
| 2017  | 64          | 47          | 17                |
| <b>10-year Average</b>                                | <b>60.9</b> | <b>50.4</b> | <b>10.5</b>       |
| <b>% decrease from FY<br/>1990– FY 1999 flow data</b> | <b>20%</b>  | <b>21%</b>  | <b>15%</b>        |

The updated flow contributions were estimated based on the assumption that groundwater infiltration flows have decreased by the same percentage (15%) as the stormwater inflow flows. It is assumed that factors contributing to I&I such as cracked pipes and leaky joints in the collection system will affect groundwater infiltration and stormwater inflow equally. Collection system improvements to address those issues are assumed to have reduced inflow and infiltration to the same degree. The updated SW, GW, and WW flow contributions were estimated as 17%, 10%, and 73%, respectively, and calculated as follows:

1. Stormwater inflow was estimated as the difference of the ADAF and ADWF. The stormwater inflow was estimated as follows:

$$SW = ADAF - ADWF = 60.9 - 50.4 = 10.5 \text{ MGD}$$

$$\%SW = SW/ADAF = 10.5/60.9 = 17\%$$

2. Groundwater infiltration was assumed to have decreased by the same percentage (15%) as stormwater infiltration flows. The groundwater inflow was estimated as follows:

$$GW = 15\% * 7.3 \text{ MGD} = 6.2 \text{ MGD}$$

$$\%GW = GW/ADAF = 6.2/60.9 = 10\%$$

3. Wastewater flow- Because current water consumption data was not available, wastewater flow was estimated as the fraction of ADAF not included as SW and WW. The percentage of flow from the base wastewater flow is estimated as follows:



$$WW = ADAF - SW - GW = 60.9 - 10.5 - 6.2 = 44.2 \text{ MGD}$$

$$\%WW = WW/ADAF = 44.2/60.9 = 73\%$$

The influent flow contributions to stormwater, groundwater, and wastewater flows from the 2000 COS Study and the estimated flow contributions from 2008 to 2017 flow data are summarized in Table 3-5. Because the change in flow contributions are minimal (1% increase from 16% to 17% for stormwater and 1% decrease from 74% to 73% for wastewater flow), the stormwater inflow, groundwater infiltration, and base wastewater flows used in the 2000 COS Study are still used in the current COS Study.

**Table 3-5: Summary of Influent Flow Contributions**

| Time Period              | SW  | GW  | WW  |
|--------------------------|-----|-----|-----|
| <b>FY 1990 – FY 1999</b> | 16% | 10% | 74% |
| <b>2008 - 2017</b>       | 17% | 10% | 73% |

Based on W&C's review, the same unit process and functional O&M category allocations used in the 2000 COS Study were found to still be valid except for the Primary Sedimentation (maintenance) unit process allocations and the Influent and Primary O&M category allocations. The proposed updates to these allocations are described below.

### 3.2.2.3. Primary Sedimentation (Maintenance) Unit Process Allocations Update

The primary sedimentation (maintenance) unit process was updated to reflect the current operation of the primary sedimentation tanks. The assumptions and methods used to calculate the cost allocations in the 2000 COS Study are still valid. Primary sedimentation tanks are maintained on a set schedule and associated costs for each of the 16 sedimentation tanks were assumed to be the same and proportional to the total number of tanks. Therefore, COD and TSS loadings are assumed to have no impact on maintenance costs and maintenance costs are attributed to the stormwater, groundwater infiltration, and wastewater flow parameters.

Maintenance cost allocations to stormwater and dry weather flows are estimated as the ratio of sedimentation tanks dedicated to wet and dry weather flows, respectively. There are currently seven dedicated wet weather primary sedimentation tanks, an increase from six dedicated tanks in the 2000 COS Study where the primary maintenance cost allocations were 38% SW, 6% GW, and 56% WW. The updated primary sedimentation (maintenance) process allocations were calculated as follows:

$$\begin{aligned} SW &= (\text{No. Wet Weather Tanks})/(\text{Total No. Tanks}) \\ &= 7/16 = \mathbf{43.8\%} \end{aligned}$$

$$\begin{aligned} GW &= (\% \text{ dry weather flows due to GW}) * (\text{No. tanks dedicated to dry weather flows}) \\ &= (WW/ADWF)^{(1)} * (9*16) \\ &= 0.1 * (9/16) = \mathbf{5.6\%} \end{aligned}$$

$$\begin{aligned} WW &= 100\% - \text{Stormwater} - \text{Groundwater} \\ &= 100\% - 43.8\% - 5.6\% = \mathbf{50.6\%} \end{aligned}$$

Notes: 1. Flows used to estimate contributions of groundwater and wastewater to dry weather flows are from the 2000 COS Study.

#### 3.2.2.4. Influent and Primary O&M Categories Allocations Update

In the 2015 COS Study, Influent and Primary O&M categories were assigned the same allocation percentages. Influent Operation and Primary Operation categories were both assigned cost allocations of 22.6% I&I flow, 62.7% wastewater flow, and 14.7% TSS and Influent Maintenance and Primary Maintenance categories were both assigned cost allocations of 28.0% I&I flow, 64.3% wastewater flow, and 7.7% TSS for maintenance. These allocations were calculated based on the weighted cost allocations from the following Unit Process Designations: Pre/Post Chlorination, Influent Pumping, Effluent Disposal, Grit Removal, Scum Disposal, Primary Sedimentation, and Primary Sludge Pumping. The updated allocations included distinct allocations for the influent and primary categories because influent O&M costs are generally related to I&I and wastewater flow only and primary O&M costs are generally related to both flow and TSS. For the influent and primary O&M allocations, particulate COD fraction is attributed to TSS and not accounted for in COD allocations to avoid repeated allocation (double counting) of the particulate COD fraction. The current updated allocations breakout the Pre/Post Chlorination, Influent Pumping, and Effluent Disposal processes to Influent O&M categories. Grit Removal, Scum Disposal, Primary Sedimentation, and Primary Sludge Pumping were assigned to the Primary O&M categories. Note that post chlorination and effluent disposal is allocated to influent O&M because the allocation includes only flow and the costs are tracked by the District in that manner. The allocation for each O&M category was calculated as the weighted average of the budget percentages for each unit process. The percent of the budget for each unit process designation was estimated from O&M budgets in the 2000 COS Study because there have not been significant changes to the unit processes. The updated allocation percentages for the influent and primary O&M categories as well as the unit process allocations attributed to each category are presented in Table 3-6.

**Table 3-6: Updated Influent and Primary O&M Allocations**

| O&M Categories       | Unit Process Designation           | SW         | GW         | WW         | COD       | TSS        | Percent of Budget <sup>2</sup> |
|----------------------|------------------------------------|------------|------------|------------|-----------|------------|--------------------------------|
| Influent Operation   | Pre/Post Chlorination              | 16%        | 10%        | 74%        | 0%        | 0%         | 100.0%                         |
|                      | Dechlorination                     | 16%        | 10%        | 74%        | 0%        | 0%         |                                |
|                      | Influent Pumping                   | 16%        | 10%        | 74%        | 0%        | 0%         |                                |
|                      | Effluent Disposal                  | 16%        | 10%        | 74%        | 0%        | 0%         |                                |
|                      | <b>Updated Allocations</b>         | <b>16%</b> | <b>10%</b> | <b>74%</b> | <b>0%</b> | <b>0%</b>  | <b>100.0%</b>                  |
| Influent Maintenance | Pre/Post Chlorination              | 16%        | 10%        | 74%        | 0%        | 0%         | 100.0%                         |
|                      | Influent Pumping                   | 16%        | 10%        | 74%        | 0%        | 0%         |                                |
|                      | Effluent Disposal                  | 16%        | 10%        | 74%        | 0%        | 0%         |                                |
|                      | <b>Updated Allocations</b>         | <b>16%</b> | <b>10%</b> | <b>74%</b> | <b>0%</b> | <b>0%</b>  | <b>100.0%</b>                  |
| Primary Operation    | Scum Disposal                      | 0%         | 0%         | 0%         | 0%        | 100%       | 100.0%                         |
|                      | Grit Removal                       | 16%        | 10%        | 0%         | 0%        | 74%        |                                |
|                      | Primary (Operation)                | 8%         | 9%         | 83%        | 0%        | 0%         |                                |
|                      | Primary Sludge Pumping             | 0%         | 0%         | 0%         | 0%        | 100%       |                                |
|                      | <b>Updated Allocations</b>         | <b>6%</b>  | <b>5%</b>  | <b>23%</b> | <b>0%</b> | <b>67%</b> | <b>100.0%</b>                  |
| Primary Maintenance  | Scum Disposal                      | 0%         | 0%         | 0%         | 0%        | 100%       | 100.0%                         |
|                      | Grit Removal                       | 16%        | 10%        | 0%         | 0%        | 74%        |                                |
|                      | Primary (Maintenance) <sup>1</sup> | 44%        | 6%         | 51%        | 0%        | 0%         |                                |
|                      | Primary Sludge Pumping             | 0%         | 0%         | 0%         | 0%        | 100%       |                                |
|                      | <b>Updated Allocations</b>         | <b>32%</b> | <b>5%</b>  | <b>36%</b> | <b>0%</b> | <b>28%</b> | <b>100.0%</b>                  |

Rows or columns that do not add to 100% are off due to rounding

Notes:

1. Updated allocation for Primary Sedimentation (Maintenance) from Section 3.2.2.3.
2. Relative percent of each O&M budget based on estimated O&M budgets in 2000 COS Study. Costs for Influent O&M unit processes were presented as one budget and not broken out in the 2000 COS Study.
3. For the influent and primary O&M allocations, particulate COD fraction is attributed to TSS and not accounted for in COD allocations to avoid repeated allocation (double counting) of the particulate COD fraction.

### 3.2.2.5. Proposed O&M Cost Allocations

The cost allocations for each O&M category are summarized and shown in Table 3-11 with updated allocations in bold. I&I allocations were calculated as the sum of stormwater and groundwater allocations.

## 3.2.3. CAPITAL COST ALLOCATIONS

W&C reviewed the allocations for each unit process and for each asset category at the MWWTP. These capital cost allocations from the 2015 COS Study were based on the allocations from the 2000 COS Study. Allocations for each unit process have been confirmed to be reasonable and were not updated. The allocations for each asset category from the 2015 COS Study remain unchanged except for allocations for the Secondary Treatment Facility category which were updated as described below.

### 3.2.3.1. Secondary Treatment Facility Capital Cost Allocations Update

Costs for Secondary Treatment Facility assets have been allocated 6% to I&I and 94% wastewater flow. The cost allocations for the category were updated to account for COD and TSS. W&C updated the allocations by assigning the following unit process to Oxygenation Tanks (Structure), Oxygenation Tanks (Equipment), Secondary Clarifiers (Structure), and Secondary Clarifiers (Equipment) and calculating the weighted allocation of each parameter relative to the cost of each unit process. The proposed Secondary Treatment Facility capital cost

allocation is 2% I&I flow, 21% wastewater flow, 38% COD, and 38% TSS. The allocations and relative costs of each unit process used to calculate the proposed allocations are shown in Table 3-7.

**Table 3-7: Updated Secondary Treatment Asset Allocations**

| Unit Process                     | SW        | GW        | Flow       | COD        | TSS        | Percent of Cost |
|----------------------------------|-----------|-----------|------------|------------|------------|-----------------|
| Oxygenation Tanks (structure)    | 0%        | 0%        | 0%         | 50%        | 50%        | 30%             |
| Oxygenation Tanks (equipment)    | 0%        | 0%        | 0%         | 50%        | 50%        | 29%             |
| Secondary Clarifiers (structure) | 0%        | 6%        | 94%        | 0%         | 0%         | 22%             |
| Secondary Clarifiers (equipment) | 0%        | 6%        | 0%         | 47%        | 47%        | 19%             |
| <b>Updated Allocations</b>       | <b>0%</b> | <b>2%</b> | <b>21%</b> | <b>38%</b> | <b>38%</b> | <b>100%</b>     |

- Notes: 1. Unit process allocations to I&I, Flow, COD, and TSS were based on allocations in the 2000 COS Study.  
Percent of cost were estimated from 6% Annual Cost from 2000 COS Study  
2. Rows or columns that do not add to 100% are off due to rounding.

### 3.2.3.2. Proposed Capital Cost Allocations

The cost allocations for each Asset category are summarized and shown in Table 3-13 with updated allocations in bold.

## 3.3. Plant Balance

The plant balance analysis is used to estimate and validate the wastewater loadings (flow and strength) generated by each customer class. While wastewater discharged into sewers for most users is not metered when it enters the wastewater system, the total amount of flow and strength entering the treatment plant and treated every day is a known quantity. Additionally, non-residential and industrial customer flows can be estimated based on their water usage. Non-residential and industrial customer strengths are estimated according to industry accepted standards. The remaining loadings (total plant influent less: I&I, trucked waste at headworks, and non-residential and industrial loadings), are assigned to residential users.

The District currently bases its residential (SFR accounts and 2-4 dwelling unit MFR accounts) loadings on a fixed strength of 29.42 lbs of COD per dwelling unit and 11.01 lbs of TSS per dwelling unit. These fixed strengths per dwelling unit are calculated based on the average residential monthly flow per dwelling unit and the current assumed domestic strength concentrations of 855 mg/l COD and 320 mg/l TSS. The current residential assumed domestic strength concentrations are based on previous COS studies.

In addition to the fixed strength charge for residential customers, the District also assesses a variable flow charge to residential customers. However, an analysis of the billing records shows that about 97 percent of all residential customers' winter use falls within the 9 ccf per month per dwelling unit flow cap. Therefore, the flow charge is capped at 9 ccf per month per dwelling unit to recognize that some of the billed residential water consumption is likely used for irrigation purposes that does not contribute to wastewater flows and does not enter the wastewater system. Accordingly, residential billed water usage above 9 ccf per month per dwelling unit is not assessed a wastewater flow charge.

The plant balance analysis is performed by comparing the net plant influent loadings to the billed loadings from the wastewater treatment customers as shown in Table 3-8. The net plant influent is calculated by taking the total plant

influent<sup>4</sup> and subtracting the loadings from the R2 program (trucked waste)<sup>5</sup>. These loadings are then compared to the loadings from the wastewater treatment customers and the difference is attributed to I&I. The billed loadings by customer class shown in Table 3-8 include the assumed COD and TSS concentrations. The net plant loading analysis showed that the waste strength concentration for domestic strength should be decreased from 855 mg/l COD (225 mg/l CODf) and 320 mg/l TSS to 713 mg/l COD and 300 mg/l TSS<sup>6</sup>. Note that the plant flow shown is equivalent to 33.6 million ccf per year.

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<sup>4</sup> Data for the total influent into the MWWTP were provided by the District.

<sup>5</sup> Data for the R2/trucked waste loadings were provided by the District.

<sup>6</sup> Based on residential wastewater sampling provided by the District.

**Table 3-8: Test Year Plant Balance**

|  | Flow<br>(MG/yr) | COD<br>(lbs/yr)    | TSS<br>(lbs/year) |
|--|-----------------|--------------------|-------------------|
| Total Plant Influent                             | 25,128          | 135,294,419        | 70,376,824        |
| Less: Trucked Waste at Headworks                 | 153             | 27,239,083         | 9,275,005         |
| Less: I&I  | 9,280           | 1,790,750          | 19,311,516        |
| <b>Net Plant Influent</b>                        | <b>15,695</b>   | <b>106,264,585</b> | <b>41,790,303</b> |
| Non-Residential                                  | 3.57            | 231,114            | 12,522            |
| 2010 Meat Products                               | 0.71            | 19,034             | 8,250             |
| 2011 Slaughterhouses                             | 4.43            | 202,816            | 14,405            |
| 2020 Dairy Product Processing                    | 0.00            | 0                  | 0                 |
| 2030 Fruit and Vegetable Canning                 | 3.71            | 67,943             | 23,819            |
| 2040 Grain Mills                                 | 16.62           | 761,665            | 166,454           |
| 2050 Bakeries                                    | 3.27            | 141,043            | 819               |
| 2060 Sugar Processing                            | 0.00            | 0                  | 0                 |
| 2077 Rendering Tallow                            | 74.24           | 1,921,219          | 80,546            |
| 2080 Beverage Mfgr & Bottling                    | 6.74            | 872,389            | 73,149            |
| 2090 Specialty Foods Mfgr                        | 2.78            | 40,463             | 14,847            |
| 2600 Pulp and Paper Products                     | 2.15            | 5,785              | 25,073            |
| 2810 Inorganic Chemicals Mfgr                    | 1.96            | 1,585              | 491               |
| 2820 Synthetic Material Mfgr                     | 90.86           | 1,518,571          | 53,081            |
| 2830 Drug Mfgr                                   | 0.63            | 23,683             | 2,200             |
| 2840 Cleaning and Sanitation Prod                | 0.10            | 6,775              | 1,224             |
| 2850 Paint Mfgr                                  | 0.00            | 0                  | 0                 |
| 2893 Ink and Pigment Mfgr                        | 0.00            | 0                  | 0                 |
| 3110 Leather Tanning/Finishing                   | 6.10            | 19,736             | 28,005            |
| 3200 Earthenware Mfgr                            | 12.77           | 30,985             | 38,372            |
| 3300 Primary Metals Mfgr                         | 9.60            | 20,703             | 2,404             |
| 3400 Metal Prod Fabricating                      | 0.00            | 0                  | 0                 |
| 3410 Drum and Barrel Mfgr                        | 3.49            | 7,516              | 2,036             |
| 3470 Metal Coating                               | 71.39           | 481,078            | 59,576            |
| 4500 Air Transportation                          | 582.66          | 8,795,348          | 4,570,780         |
| 5812 Food Service Establishment                  | 3,700.25        | 22,002,084         | 9,264,035         |
| 6513 Apartment Bldgs (5+ units)                  | 136.77          | 958,529            | 776,137           |
| 7000 Hotels, Motels with Food                    | 12.37           | 190,045            | 31,999            |
| 7210 Commercial Laundries                        | 185.15          | 1,796,661          | 293,572           |
| 7215 Coin Operated Laundromats                   | 46.32           | 3,370,948          | 286,034           |
| 7218 Industrial Laundries                        | 54.96           | 281,461            | 36,690            |
| 7300 Laboratories                                | 34.60           | 270,446            | 57,744            |
| 7542 Auto Washing and Polishing                  | 147.20          | 634,876            | 331,688           |
| 8060 Hospitals                                   | 544.20          | 2,053,699          | 363,326           |
| 8200 Schools                                     | 2,097.67        | 12,472,968         | 5,251,776         |
| All Other  | 110.57          | 1,113,973          | 572,114           |
| Multi-Use Customers                              | 3.57            | 231,114            | 12,522            |
| <b>Total Non-Residential</b>                     | <b>7,968</b>    | <b>60,315,143</b>  | <b>22,443,169</b> |
| <b>Residential</b>                               | <b>7,728</b>    | <b>45,949,443</b>  | <b>19,347,134</b> |
| <b>Total (Residential &amp; Non-Residential)</b> | <b>15,695</b>   | <b>106,264,585</b> | <b>41,790,303</b> |

### 3.4. Allocation of Revenue Requirements by Function

The wastewater utility is comprised of various facilities, each designed and operated to fulfill a given function. In order to provide adequate service to its customers at all times, the utility must be capable of not only collecting the total amount of wastewater generated (flow), but also treating and removing various nutrients (e.g., TSS and COD) from the flow.

The separation of costs by function allows the allocation of these costs to the functional cost components. Table 3-9 shows the Test Year O&M expenses (based on the FY 2017 budget provided by the District) arranged by the different functional categories, as classified by District staff and W&C<sup>7</sup>.

**Table 3-9: Allocation of Wastewater O&M Expenses**

| O&M Categories                | FY 2017             |
|-------------------------------|---------------------|
| Interceptor                   | \$2,783,233         |
| R2                            | \$2,360,771         |
| Wet                           | \$1,992,871         |
| Influent Op                   | \$6,732,235         |
| Influent Mtn                  | \$797,026           |
| Primary Op                    | \$21,814            |
| Primary Mtn                   | \$442,219           |
| Secondary Op                  | \$3,281,986         |
| Secondary Mtn                 | \$825,682           |
| Sludge Op                     | \$9,395,911         |
| Sludge Mtn                    | \$1,559,040         |
| Lab                           | \$5,813,131         |
| Permit                        | \$1,142,071         |
| I/I                           | \$3,998,801         |
| PGS                           | \$1,982,606         |
| Reclaimed                     | \$952,791           |
| Reimbursed                    | \$217,513           |
| Billing                       | \$2,231,746         |
| Overhead                      | \$17,394,592        |
| <b>Total O&amp;M Expenses</b> | <b>\$63,926,037</b> |

Table 3-10 shows the Test Year Replacement Cost Less Depreciation (RCLD) value of the total wastewater assets by the different asset classes, which are then classified by functions similar to the O&M expenses. RCLD value reflects the cost to replace the asset today less accumulated depreciation and was obtained from District's financial records<sup>8</sup>.

<sup>7</sup> A detail of O&M expenses by functional categories can be found in Appendix B.

<sup>8</sup> A detail of the District's fixed assets can be found in Appendix C.

**Table 3-10: Allocation of Wastewater Assets - RCLD Value**

| <b>Assets Categories</b>                     | <b>FY 2017</b> |
|--|----------------|
| Mwwtp-Chlorine System                        | \$186,190      |
| Mwwtp-Chlorination Building                  | \$2,780,669    |
| Mwwtp-Outfall Land                           | \$4,914,159    |
| Mwwtp-Outfall Submarine                      | \$9,205,483    |
| Mwwtp-Outfall Bridge                         | \$218,197      |
| Mwwtp-Effluent Pump Station                  | \$10,388,412   |
| Mwwtp-Water Pump Station #3                  | \$863,322      |
| Mwwtp-Process Water Plant                    | \$32,917       |
| Mwwtp-Dechlorination Station                 | \$8,720,247    |
| Mwwtp-Filter Plant Solids Handling Facility  | \$22,626,059   |
| Mwwtp-Sodium Bisulfite Area                  | \$831,280      |
| Mwwtp-Grounds & Improvements                 | \$41,252,798   |
| Mwwtp-Administration and Lab Building        | \$16,251,701   |
| Mwwtp-Administration and Lab Center          | \$18,533,056   |
| Mwwtp-Maintenance Center                     | \$13,965,697   |
| Mwwtp-Piping for Plant Utilities             | \$8,456,170    |
| Mwwtp-Bulk Storage Area                      | \$1,505,954    |
| Mwwtp-Field Services Bldg                    | \$3,531,511    |
| Wastewater Land - General                    | \$18,838,029   |
| All Wastewater Portable Equipment            | \$9,022,399    |
| Mwwtp-Aerated Grit Tanks                     | \$5,543,750    |
| Mwwtp-Grit Dewatering Station                | \$11,380,202   |
| Mwwtp-Influent Pump Station                  | \$32,843,269   |
| North Interceptor                            | \$58,423,966   |
| South Interceptor                            | \$50,076,391   |
| Alameda Interceptor                          | \$20,746,285   |
| Estuary Crossing                             | \$1,097,142    |
| Central Avenue Interceptor                   | \$12,000,875   |
| South Foothill Interceptor                   | \$29,180,384   |
| Adeline Street Interceptor                   | \$24,768,192   |
| Powell Street Interceptor                    | \$4,032,671    |
| ANAS Interceptor                             | \$4,637,798    |
| Wood St Interceptor                          | \$22,104,951   |
| Pump Station A-Albany                        | \$3,237,385    |
| Pump Station B-Fernside                      | \$5,585,393    |
| Pump Station C-Krusi Park                    | \$12,134,648   |
| Pump Station D-Oak Street                    | \$1,554,592    |
| Pump Station E-Grand Street                  | \$1,400,556    |
| Pump Station F-Atlantic Avenue               | \$1,685,186    |
| Pump Station G-Airport                       | \$2,795,700    |
| Pump Station H-Fruitvale                     | \$9,657,560    |
| Pump Station J-Frederick Street              | \$1,257,012    |
| Pump Station K-7Th Street                    | \$1,412,098    |
| Pump Station L                               | \$5,015,645    |
| Pump Station Q- Wet Weather Page St Berkeley | \$554,685      |
| Pump Station N (new)                         | \$5,806        |
| ANAS Pump Station R                          | \$9,838,090    |



### Allocation of Wastewater Assets - RCLD Value (continued)

| Assets Categories                                  | FY 2017                |
|--|------------------------|
| Pump Station M - Bridgeway                         | \$2,830,600            |
| Mwwtp-Reactor Deck Area-Oxygen Production          | \$5,642,565            |
| Mwwtp-Secondary Treatment Facility                 | \$68,121,502           |
| Mwwtp-Power Generation Station                     | \$77,442,495           |
| Mwwtp-Scum Dewatering Station                      | \$9,352,008            |
| Mwwtp-Chemical Trench                              | \$893,677              |
| Mwwtp-Pre-Chlorination Facility                    | \$745,210              |
| Mwwtp-Chemical Storage Building (Relocated)        | \$2,403,686            |
| Mwwtp-Sludge Digestion Facilities                  | \$127,315,822          |
| Mwwtp-Sludge Dewatering Facilities                 | \$34,276,421           |
| Mwwtp-Temp Sludge Dewatering Facility              | \$1,402,992            |
| Mwwtp-Odor Control at Sludge Thickener             | \$12,152,375           |
| Mwwtp-Composting Facility                          | \$1,201,029            |
| Pt. Isabel Tp-Treatment & Pretreatment Structures  | \$38,484,242           |
| Mwwtp-Mid-Plant Pump Station                       | \$5,416,024            |
| Mwwtp-Wet Weather Pump Station                     | \$1,350,090            |
| Mwwtp-Washdown Pump Station                        | \$162,968              |
| Oakport Wet Weather-Pretreatment Structure         | \$10,353,021           |
| Oakport Wet Weather-Pretreatment Structure         | \$2,403,306            |
| Mwwtp-Channel Crossing for Bypass Channel          | \$6,247,609            |
| Mwwtp 90" Pipe-Primry Effluent Bypass              | \$2,793,630            |
| Mwwtp 72" Pipe-Primry Influent Bypass              | \$2,552,927            |
| Mwwtp-Diversion Structure                          | \$27,553,044           |
| Mwwtp-Bypass Inlet Structure                       | \$10,480,288           |
| North Interceptor Junction Storage                 | \$863,142              |
| Mwwtp-Bypass Outlet Structure                      | \$616,410              |
| Mwwtp-Final Effluent Bypass Channel                | \$8,548,717            |
| Mwwtp-Storage Basin                                | \$26,506,411           |
| Oakport WW-Chlor System                            | \$177,325              |
| Oakport WW-DeChlor System                          | \$149,286              |
| Oakport WW-Control Bldg                            | \$847,594              |
| Oakport WW-Emg Gen                                 | \$632,197              |
| Oakport WW-Drainage                                | \$1,050,006            |
| Oakport WW-Storage Bldg.                           | \$633,213              |
| Oakport WW-Lscape/Pav/Fence                        | \$3,344,044            |
| San Antonio Creek Wet Weather TP                   | \$12,622,514           |
| San Antonio Creek Ww Dechlorination Facility       | \$5,917,619            |
| San Antonio Creek Ww Outfall Structure             | \$2,787,508            |
| San Antonio Creek Ww Gravity Sewer                 | \$588,791              |
| San Antonio Creek Ww Lake Merritt Channel Crossing | \$1,587,448            |
| San Antonio Creek Ww Outfall Subequacious Pipeline | \$2,484,495            |
| Versailles interceptor                             | \$1,622,502            |
| <b>Total Assets</b>                                | <b>\$1,047,651,236</b> |

### 3.5. Allocation of Functional Costs to Cost Components

In order to allocate costs of service to the different user classes, unit costs of service are developed. O&M expenses and capital costs are functionalized as transmission, treatment, billing, administrative, etc. These total functionalized costs are then allocated to the flow, COD, and TSS parameters based on the design of each facility. Since treatment plants are designed to treat flow, COD, and TSS, treatment costs are allocated to those three parameters based on the design of each component of the treatment system. For example, the equipment in the secondary clarifiers is designed to remove suspended solids. Along with suspended solids there is also some removal of COD; therefore, the equipment cost is allocated to TSS and COD based on the removal of those two parameters. Additionally, the secondary tank structure is designed for flow; therefore, the structure cost is allocated to flow. Most of the wastewater systems must handle the additional loadings from wet weather flows; therefore, a portion of their system costs are allocated to the I&I parameter. Administrative costs such as billing, collecting, and customer accounting are assigned to the Customer cost component. General expenses not associated with I&I, Flow, COD, TSS, or Customer Service are assigned to the Other cost component. The Other cost components are then spread among the remaining costs centers proportionately.

Table 3-11 shows the different allocations to the cost components such as the parameters for I&I, Flow, COD, TSS, etc. of each O&M functional cost category. The allocations are calculated based on the functions of each category, provided by the District from the 2000 Wastewater Rates Cost Allocation Update prepared by Carollo Engineers. These allocations were reviewed by W&C (as discussed in Section 3.2.2). Updated allocations were calculated and provided by W&C for Influent Operation, Influent Maintenance, Primary Operation, and Primary Maintenance (as shown in Table 3-6) and are indicated by bold text. Raftelis has reviewed these updated allocations to ensure that they are based on the design function of each expense as they relate to Flow, COD, TSS, I&I and has confirmed that they are reasonable.

**Table 3-11: Allocation to Cost Components - O&M**

| O&M Categories      | I&I        | Flow       | COD | TSS        | Customer | Other  | Total |
|---------------------|------------|------------|-----|------------|----------|--------|-------|
| Interceptor         | 26%        | 74%        |     |            |          |        | 100%  |
| R2                  |            |            |     |            |          | 100%   | 100%  |
| Wet                 | 100%       |            |     |            |          |        | 100%  |
| <b>Influent Op</b>  | <b>26%</b> | <b>74%</b> |     |            |          |        | 100%  |
| <b>Influent Mtn</b> | <b>26%</b> | <b>74%</b> |     |            |          |        | 100%  |
| <b>Primary Op</b>   | <b>11%</b> | <b>23%</b> |     | <b>67%</b> |          |        | 100%  |
| <b>Primary Mtn</b>  | <b>37%</b> | <b>36%</b> |     | <b>28%</b> |          |        | 100%  |
| Secondary Op        | 9%         | 24%        | 34% | 34%        |          |        | 100%  |
| Secondary Mtn       | 17%        | 13%        | 35% | 35%        |          |        | 100%  |
| Sludge Op           |            |            | 31% | 69%        |          |        | 100%  |
| Sludge Mtn          |            |            | 28% | 73%        |          |        | 100%  |
| Lab                 |            |            |     |            |          | 100%   | 100%  |
| Permit              |            |            |     |            |          | 100%   | 100%  |
| I/I                 | 100%       |            |     |            |          |        | 100%  |
| PGS                 | 9%         | 20%        | 32% | 39%        |          |        | 100%  |
| Reclaimed           |            |            |     |            |          | 100%   | 100%  |
| Reimbursed          |            |            |     |            |          | 100%   | 100%  |
| Billing             |            |            |     |            | 100.0%   |        | 100%  |
| Overhead            |            |            |     |            |          | 100.0% | 100%  |

Table 3-12 shows the allocation of O&M expenses (shown in Table 3-9) to the different cost components based on the allocation percentages shown in Table 3-11<sup>9</sup>.

**Table 3-12: Allocation of O&M Expenses to Cost Components**

| O&M Categories                | I&I                | Flow               | COD                | TSS                | Customer           | Other               | Total               |
|-------------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------------|---------------------|
| Interceptor                   | \$723,640          | \$2,059,592        | \$0                | \$0                | \$0                | \$0                 | \$2,783,233         |
| R2                            | \$0                | \$0                | \$0                | \$0                | \$0                | \$2,360,771         | \$2,360,771         |
| Wet                           | \$1,992,871        | \$0                | \$0                | \$0                | \$0                | \$0                 | \$1,992,871         |
| Influent Op                   | \$1,750,381        | \$4,981,854        | \$0                | \$0                | \$0                | \$0                 | \$6,732,235         |
| Influent Mtn                  | \$207,227          | \$589,799          | \$0                | \$0                | \$0                | \$0                 | \$797,026           |
| Primary Op                    | \$2,300            | \$4,938            | \$0                | \$14,576           | \$0                | \$0                 | \$21,814            |
| Primary Mtn                   | \$162,886          | \$157,266          | \$0                | \$122,067          | \$0                | \$0                 | \$442,219           |
| Secondary Op                  | \$295,379          | \$784,395          | \$1,099,465        | \$1,102,747        | \$0                | \$0                 | \$3,281,986         |
| Secondary Mtn                 | \$137,063          | \$105,687          | \$291,466          | \$291,466          | \$0                | \$0                 | \$825,682           |
| Sludge Op                     | \$0                | \$0                | \$2,940,920        | \$6,454,991        | \$0                | \$0                 | \$9,395,911         |
| Sludge Mtn                    | \$0                | \$0                | \$428,736          | \$1,130,304        | \$0                | \$0                 | \$1,559,040         |
| Lab                           | \$0                | \$0                | \$0                | \$0                | \$0                | \$5,813,131         | \$5,813,131         |
| Permit                        | \$0                | \$0                | \$0                | \$0                | \$0                | \$1,142,071         | \$1,142,071         |
| I/I                           | \$3,998,801        | \$0                | \$0                | \$0                | \$0                | \$0                 | \$3,998,801         |
| PGS                           | \$178,435          | \$396,521          | \$634,434          | \$773,216          | \$0                | \$0                 | \$1,982,606         |
| Reclaimed                     | \$0                | \$0                | \$0                | \$0                | \$0                | \$952,791           | \$952,791           |
| Reimbursed                    | \$0                | \$0                | \$0                | \$0                | \$0                | \$217,513           | \$217,513           |
| Billing                       | \$0                | \$0                | \$0                | \$0                | \$2,231,746        | \$0                 | \$2,231,746         |
| Overhead                      | \$0                | \$0                | \$0                | \$0                | \$0                | \$17,394,592        | \$17,394,592        |
| <b>Total O&amp;M Expenses</b> | <b>\$9,448,982</b> | <b>\$9,080,052</b> | <b>\$5,395,021</b> | <b>\$9,889,367</b> | <b>\$2,231,746</b> | <b>\$27,880,869</b> | <b>\$63,926,037</b> |
| % allocation                  | 14.8%              | 14.2%              | 8.4%               | 15.5%              | 3.5%               | 43.6%               |                     |

Capital costs include capital improvements financed from annual revenues, debt service and other sources. Capital costs related to specific facilities will vary significantly from year to year. Allocating these costs based on the functions of these specific facilities could cause the rates to the different customer classes to change from year to year. A reasonable method of assigning capital costs to functional components, widely practiced in the industry, is to allocate such costs on the basis of net plant investment recognizing that over a period of time these allocations will provide costs to be passed on to customers equitably.

Net plant investment is represented by the total asset value of wastewater utility facilities less accumulated depreciation<sup>10</sup>. The estimated fiscal year net plant investment in wastewater facilities consists of the net plants in service as of the end of the Test Year.

Table 3-13 shows the different allocations to the cost components such as I&I, Flow, COD, and TSS of each capital asset. There are no “Customer” or “Other” cost components included because the capital assets are allocated directly to I&I, Flow, COD and TSS. The allocations of the wastewater capital assets were developed for the District in the 2000 Wastewater Rates Cost Allocation Update prepared by Carollo Engineers. These allocations were reviewed by W&C (as discussed in Section 3.2.3). Updated allocations were calculated and provided by W&C for the Secondary Treatment facility (as shown in Table 3-7) and are indicated by bold text. Raftelis has reviewed these updated allocations to ensure that they are based on the design function of each asset as they relate to Flow, COD, TSS, and I&I and has confirmed that they are reasonable.

<sup>9</sup> A detail of O&M expenses by functional categories can be found in Appendix B.

<sup>10</sup> A detail of the District’s fixed assets can be found in Appendix C.

**Table 3-13: Allocation to Cost Components – Capital**

| Assets Categories                            | I&I | Flow | COD | TSS | Total |
|--|-----|------|-----|-----|-------|
| Mwwtp-Chlorine System                        | 50% | 50%  |     |     | 100%  |
| Mwwtp-Chlorination Building                  | 50% | 50%  |     |     | 100%  |
| Mwwtp-Outfall Land                           | 50% | 50%  |     |     | 100%  |
| Mwwtp-Outfall Submarine                      | 50% | 50%  |     |     | 100%  |
| Mwwtp-Outfall Bridge                         | 50% | 50%  |     |     | 100%  |
| Mwwtp-Effluent Pump Station                  | 50% | 50%  |     |     | 100%  |
| Mwwtp-Water Pump Station #3                  | 50% | 50%  |     |     | 100%  |
| Mwwtp-Process Water Plant                    | 50% | 50%  |     |     | 100%  |
| Mwwtp-Dechlorination Station                 | 50% | 50%  |     |     | 100%  |
| Mwwtp-Filter Plant Solids Handling Facility  | 50% | 50%  |     |     | 100%  |
| Mwwtp-Sodium Bisulfite Area                  | 50% | 50%  |     |     | 100%  |
| Mwwtp-Grounds & Improvements                 | 45% | 24%  | 11% | 20% | 100%  |
| Mwwtp-Administration and Lab Building        | 45% | 24%  | 11% | 20% | 100%  |
| Mwwtp-Administration and Lab Center          | 45% | 24%  | 11% | 20% | 100%  |
| Mwwtp-Maintenance Center                     | 45% | 24%  | 11% | 20% | 100%  |
| Mwwtp-Piping for Plant Utilities             | 45% | 24%  | 11% | 20% | 100%  |
| Mwwtp-Bulk Storage Area                      | 45% | 24%  | 11% | 20% | 100%  |
| Mwwtp-Field Services Bldg                    | 45% | 24%  | 11% | 20% | 100%  |
| Wastewater Land - General                    | 45% | 24%  | 11% | 20% | 100%  |
| All Wastewater Portable Equipment            | 45% | 24%  | 11% | 20% | 100%  |
| Mwwtp-Aerated Grit Tanks                     | 45% | 24%  | 11% | 20% | 100%  |
| Mwwtp-Grit Dewatering Station                | 61% |      |     | 39% | 100%  |
| Mwwtp-Influent Pump Station                  | 61% | 39%  |     |     | 100%  |
| North Interceptor                            | 61% | 39%  |     |     | 100%  |
| South Interceptor                            | 61% | 39%  |     |     | 100%  |
| Alameda Interceptor                          | 61% | 39%  |     |     | 100%  |
| Estuary Crossing                             | 61% | 39%  |     |     | 100%  |
| Central Avenue Interceptor                   | 61% | 39%  |     |     | 100%  |
| South Foothill Interceptor                   | 61% | 39%  |     |     | 100%  |
| Adeline Street Interceptor                   | 61% | 39%  |     |     | 100%  |
| Powell Street Interceptor                    | 61% | 39%  |     |     | 100%  |
| ANAS Interceptor                             | 61% | 39%  |     |     | 100%  |
| Wood St Interceptor                          | 61% | 39%  |     |     | 100%  |
| Pump Station A-Albany                        | 61% | 39%  |     |     | 100%  |
| Pump Station B-Fernside                      | 68% | 32%  |     |     | 100%  |
| Pump Station C-Krusi Park                    | 61% | 39%  |     |     | 100%  |
| Pump Station D-Oak Street                    | 40% | 60%  |     |     | 100%  |
| Pump Station E-Grand Street                  | 82% | 18%  |     |     | 100%  |
| Pump Station F-Atlantic Avenue               | 86% | 14%  |     |     | 100%  |
| Pump Station G-Airport                       | 21% | 79%  |     |     | 100%  |
| Pump Station H-Fruitvale                     | 23% | 77%  |     |     | 100%  |
| Pump Station J-Frederick Street              | 51% | 49%  |     |     | 100%  |
| Pump Station K-7Th Street                    | 22% | 78%  |     |     | 100%  |
| Pump Station L                               | 40% | 60%  |     |     | 100%  |
| Pump Station Q- Wet Weather Page St Berkeley | 68% | 32%  |     |     | 100%  |
| Pump Station N (new)                         | 43% | 57%  |     |     | 100%  |
| ANAS Pump Station R                          | 43% | 57%  |     |     | 100%  |

### Allocation to Cost Components – Capital (continued)

| Assets Categories                                  | I&I       | Flow       | COD        | TSS        | Total |
|--|-----------|------------|------------|------------|-------|
| Pump Station M - Bridgeway                         | 69%       | 31%        |            |            | 100%  |
| Mwwtp-Reactor Deck Area-Oxygen Production          |           |            | 50%        | 50%        | 100%  |
| <b>Mwwtp-Secondary Treatment Facility</b>          | <b>3%</b> | <b>21%</b> | <b>38%</b> | <b>38%</b> | 100%  |
| Mwwtp-Power Generation Station                     |           | 24.0%      | 35.0%      | 41.0%      | 100%  |
| Mwwtp-Scum Dewatering Station                      |           |            |            | 100%       | 100%  |
| Mwwtp-Chemical Trench                              | 50%       | 50%        |            |            | 100%  |
| Mwwtp-Pre-Chlorination Facility                    | 50%       | 50%        |            |            | 100%  |
| Mwwtp-Chemical Storage Building (Relocated)        |           |            | 30%        | 70%        | 100%  |
| Mwwtp-Sludge Digestion Facilities                  |           |            | 30%        | 70%        | 100%  |
| Mwwtp-Sludge Dewatering Facilities                 |           |            | 30%        | 70%        | 100%  |
| Mwwtp-Temp Sludge Dewatering Facility              |           |            | 30%        | 70%        | 100%  |
| Mwwtp-Odor Control at Sludge Thickener             |           |            | 30%        | 70%        | 100%  |
| Mwwtp-Composting Facility                          |           |            | 30%        | 70%        | 100%  |
| Pt. Isabel Tp-Treatment & Pretreatment Structures  | 100%      |            |            |            | 100%  |
| Mwwtp-Mid-Plant Pump Station                       | 100%      |            |            |            | 100%  |
| Mwwtp-Wet Weather Pump Station                     | 100%      |            |            |            | 100%  |
| Mwwtp-Washdown Pump Station                        | 100%      |            |            |            | 100%  |
| Oakport Wet Weather-Pretreatment Structure         | 100%      |            |            |            | 100%  |
| Oakport Wet Weather-Pretreatment Structure         | 100%      |            |            |            | 100%  |
| Mwwtp-Channel Crossing for Bypass Channel          | 100%      |            |            |            | 100%  |
| Mwwtp 90" Pipe-Primry Effluent Bypass              | 100%      |            |            |            | 100%  |
| Mwwtp 72" Pipe-Primry Influent Bypass              | 100%      |            |            |            | 100%  |
| Mwwtp-Diversion Structure                          | 100%      |            |            |            | 100%  |
| Mwwtp-Bypass Inlet Structure                       | 100%      |            |            |            | 100%  |
| North Interceptor Junction Storage                 | 100%      |            |            |            | 100%  |
| Mwwtp-Bypass Outlet Structure                      | 100%      |            |            |            | 100%  |
| Mwwtp-Final Effluent Bypass Channel                | 100%      |            |            |            | 100%  |
| Mwwtp-Storage Basin                                | 100%      |            |            |            | 100%  |
| Oakport WW-Chlor System                            | 100%      |            |            |            | 100%  |
| Oakport WW-DeChlor System                          | 100%      |            |            |            | 100%  |
| Oakport WW-Control Bldg                            | 100%      |            |            |            | 100%  |
| Oakport WW-Emg Gen                                 | 100%      |            |            |            | 100%  |
| Oakport WW-Drainage                                | 100%      |            |            |            | 100%  |
| Oakport WW-Storage Bldg.                           | 100%      |            |            |            | 100%  |
| Oakport WW-Lscape/Pav/Fence                        | 100%      |            |            |            | 100%  |
| San Antonio Creek Wet Weather TP                   | 100%      |            |            |            | 100%  |
| San Antonio Creek Ww Dechlorination Facility       | 100%      |            |            |            | 100%  |
| San Antonio Creek Ww Outfall Structure             | 100%      |            |            |            | 100%  |
| San Antonio Creek Ww Gravity Sewer                 | 100%      |            |            |            | 100%  |
| San Antonio Creek Ww Lake Merritt Channel Crossing | 100%      |            |            |            | 100%  |
| San Antonio Creek Ww Outfall Subequacous Pipeline  | 100%      |            |            |            | 100%  |
| Versailles interceptor                             | 100%      |            |            |            | 100%  |

Table 3-14 shows the allocation of the RCLD value of the wastewater assets (shown in Table 3-10) to the different cost components based on the allocation percentages shown in Table 3-13.

**Table 3-14: Allocation of Wastewater Assets to Cost Components**

| Assets Categories                            | I&I          | Flow         | COD         | TSS         | Total        |
|--|--------------|--------------|-------------|-------------|--------------|
| Mwwtp-Chlorine System                        | \$93,095     | \$93,095     | \$0         | \$0         | \$186,190    |
| Mwwtp-Chlorination Building                  | \$1,390,334  | \$1,390,334  | \$0         | \$0         | \$2,780,669  |
| Mwwtp-Outfall Land                           | \$2,457,079  | \$2,457,079  | \$0         | \$0         | \$4,914,159  |
| Mwwtp-Outfall Submarine                      | \$4,602,741  | \$4,602,741  | \$0         | \$0         | \$9,205,483  |
| Mwwtp-Outfall Bridge                         | \$109,099    | \$109,099    | \$0         | \$0         | \$218,197    |
| Mwwtp-Effluent Pump Station                  | \$5,194,206  | \$5,194,206  | \$0         | \$0         | \$10,388,412 |
| Mwwtp-Water Pump Station #3                  | \$431,661    | \$431,661    | \$0         | \$0         | \$863,322    |
| Mwwtp-Process Water Plant                    | \$16,459     | \$16,459     | \$0         | \$0         | \$32,917     |
| Mwwtp-Dechlorination Station                 | \$4,360,123  | \$4,360,123  | \$0         | \$0         | \$8,720,247  |
| Mwwtp-Filter Plant Solids Handling Facility  | \$11,313,030 | \$11,313,030 | \$0         | \$0         | \$22,626,059 |
| Mwwtp-Sodium Bisulfite Area                  | \$415,640    | \$415,640    | \$0         | \$0         | \$831,280    |
| Mwwtp-Grounds & Improvements                 | \$18,559,527 | \$9,757,955  | \$4,592,631 | \$8,342,685 | \$41,252,798 |
| Mwwtp-Administration and Lab Building        | \$7,311,598  | \$3,844,185  | \$1,809,285 | \$3,286,633 | \$16,251,701 |
| Mwwtp-Administration and Lab Center          | \$8,337,974  | \$4,383,817  | \$2,063,266 | \$3,747,999 | \$18,533,056 |
| Mwwtp-Maintenance Center                     | \$6,283,131  | \$3,303,452  | \$1,554,787 | \$2,824,328 | \$13,965,697 |
| Mwwtp-Piping for Plant Utilities             | \$3,804,409  | \$2,000,226  | \$941,417   | \$1,710,118 | \$8,456,170  |
| Mwwtp-Bulk Storage Area                      | \$677,525    | \$356,219    | \$167,656   | \$304,554   | \$1,505,954  |
| Mwwtp-Field Services Bldg                    | \$1,588,817  | \$835,345    | \$393,159   | \$714,189   | \$3,531,511  |
| Wastewater Land - General                    | \$8,475,181  | \$4,455,956  | \$2,097,218 | \$3,809,675 | \$18,838,029 |
| All Wastewater Portable Equipment            | \$4,059,154  | \$2,134,162  | \$1,004,454 | \$1,824,628 | \$9,022,399  |
| Mwwtp-Aerated Grit Tanks                     | \$3,381,687  | \$0          | \$0         | \$2,162,062 | \$5,543,750  |
| Mwwtp-Grit Dewatering Station                | \$6,941,923  | \$4,438,279  | \$0         | \$0         | \$11,380,202 |
| Mwwtp-Influent Pump Station                  | \$20,034,394 | \$12,808,875 | \$0         | \$0         | \$32,843,269 |
| North Interceptor                            | \$35,638,620 | \$22,785,347 | \$0         | \$0         | \$58,423,966 |
| South Interceptor                            | \$30,546,598 | \$19,529,792 | \$0         | \$0         | \$50,076,391 |
| Alameda Interceptor                          | \$12,655,234 | \$8,091,051  | \$0         | \$0         | \$20,746,285 |
| Estuary Crossing                             | \$669,257    | \$427,886    | \$0         | \$0         | \$1,097,142  |
| Central Avenue Interceptor                   | \$7,320,534  | \$4,680,341  | \$0         | \$0         | \$12,000,875 |
| South Foothill Interceptor                   | \$17,800,035 | \$11,380,350 | \$0         | \$0         | \$29,180,384 |
| Adeline Street Interceptor                   | \$15,108,597 | \$9,659,595  | \$0         | \$0         | \$24,768,192 |
| Powell Street Interceptor                    | \$2,459,929  | \$1,572,742  | \$0         | \$0         | \$4,032,671  |
| ANAS Interceptor                             | \$2,829,057  | \$1,808,741  | \$0         | \$0         | \$4,637,798  |
| Wood St Interceptor                          | \$13,484,020 | \$8,620,931  | \$0         | \$0         | \$22,104,951 |
| Pump Station A-Albany                        | \$2,201,422  | \$1,035,963  | \$0         | \$0         | \$3,237,385  |
| Pump Station B-Fernside                      | \$3,407,090  | \$2,178,303  | \$0         | \$0         | \$5,585,393  |
| Pump Station C-Krusi Park                    | \$4,853,859  | \$7,280,789  | \$0         | \$0         | \$12,134,648 |
| Pump Station D-Oak Street                    | \$1,274,766  | \$279,827    | \$0         | \$0         | \$1,554,592  |
| Pump Station E-Grand Street                  | \$1,204,478  | \$196,078    | \$0         | \$0         | \$1,400,556  |
| Pump Station F-Atlantic Avenue               | \$353,889    | \$1,331,297  | \$0         | \$0         | \$1,685,186  |
| Pump Station G-Airport                       | \$643,011    | \$2,152,689  | \$0         | \$0         | \$2,795,700  |
| Pump Station H-Fruitvale                     | \$4,925,355  | \$4,732,204  | \$0         | \$0         | \$9,657,560  |
| Pump Station J-Frederick Street              | \$276,543    | \$980,470    | \$0         | \$0         | \$1,257,012  |
| Pump Station K-7Th Street                    | \$564,839    | \$847,259    | \$0         | \$0         | \$1,412,098  |
| Pump Station L                               | \$3,410,638  | \$1,605,006  | \$0         | \$0         | \$5,015,645  |
| Pump Station Q- Wet Weather Page St Berkeley | \$238,515    | \$316,171    | \$0         | \$0         | \$554,685    |
| Pump Station N (new)                         | \$2,496      | \$3,309      | \$0         | \$0         | \$5,806      |
| ANAS Pump Station R                          | \$1,475,713  | \$8,362,376  | \$0         | \$0         | \$9,838,090  |



### Allocation of Wastewater Assets to Cost Components (continued)

| Assets Categories                                  | I&I                  | Flow                 | COD                  | TSS                  | Total                  |
|--|----------------------|----------------------|----------------------|----------------------|------------------------|
| Pump Station M - Bridgeway                         | \$1,953,114          | \$877,486            | \$0                  | \$0                  | \$2,830,600            |
| Mwwtp-Reactor Deck Area-Oxygen Production          | \$0                  | \$0                  | \$2,821,283          | \$2,821,283          | \$5,642,565            |
| Mwwtp-Secondary Treatment Facility                 | \$1,703,038          | \$14,373,637         | \$26,022,414         | \$26,022,414         | \$68,121,502           |
| Mwwtp-Power Generation Station                     | \$0                  | \$18,586,199         | \$27,104,873         | \$31,751,423         | \$77,442,495           |
| Mwwtp-Scum Dewatering Station                      | \$0                  | \$0                  | \$0                  | \$9,352,008          | \$9,352,008            |
| Mwwtp-Chemical Trench                              | \$446,839            | \$446,839            | \$0                  | \$0                  | \$893,677              |
| Mwwtp-Pre-Chlorination Facility                    | \$372,605            | \$372,605            | \$0                  | \$0                  | \$745,210              |
| Mwwtp-Chemical Storage Building (Relocated)        | \$0                  | \$0                  | \$721,106            | \$1,682,580          | \$2,403,686            |
| Mwwtp-Sludge Digestion Facilities                  | \$0                  | \$0                  | \$38,194,747         | \$89,121,076         | \$127,315,822          |
| Mwwtp-Sludge Dewatering Facilities                 | \$0                  | \$0                  | \$10,282,926         | \$23,993,495         | \$34,276,421           |
| Mwwtp-Temp Sludge Dewatering Facility              | \$0                  | \$0                  | \$420,898            | \$982,094            | \$1,402,992            |
| Mwwtp-Odor Control at Sludge Thickener             | \$0                  | \$0                  | \$3,645,712          | \$8,506,662          | \$12,152,375           |
| Mwwtp-Composting Facility                          | \$0                  | \$0                  | \$360,309            | \$840,720            | \$1,201,029            |
| Pt. Isabel Tp-Treatment & Pretreatment Structures  | \$38,484,242         | \$0                  | \$0                  | \$0                  | \$38,484,242           |
| Mwwtp-Mid-Plant Pump Station                       | \$5,416,024          | \$0                  | \$0                  | \$0                  | \$5,416,024            |
| Mwwtp-Wet Weather Pump Station                     | \$1,350,090          | \$0                  | \$0                  | \$0                  | \$1,350,090            |
| Mwwtp-Washdown Pump Station                        | \$162,968            | \$0                  | \$0                  | \$0                  | \$162,968              |
| Oakport Wet Weather-Pretreatment Structure         | \$10,353,021         | \$0                  | \$0                  | \$0                  | \$10,353,021           |
| Oakport Wet Weather-Pretreatment Structure         | \$2,403,306          | \$0                  | \$0                  | \$0                  | \$2,403,306            |
| Mwwtp-Channel Crossing for Bypass Channel          | \$6,247,609          | \$0                  | \$0                  | \$0                  | \$6,247,609            |
| Mwwtp 90" Pipe-Primry Effluent Bypass              | \$2,793,630          | \$0                  | \$0                  | \$0                  | \$2,793,630            |
| Mwwtp 72" Pipe-Primry Influent Bypass              | \$2,552,927          | \$0                  | \$0                  | \$0                  | \$2,552,927            |
| Mwwtp-Diversion Structure                          | \$27,553,044         | \$0                  | \$0                  | \$0                  | \$27,553,044           |
| Mwwtp-Bypass Inlet Structure                       | \$10,480,288         | \$0                  | \$0                  | \$0                  | \$10,480,288           |
| North Interceptor Junction Storage                 | \$863,142            | \$0                  | \$0                  | \$0                  | \$863,142              |
| Mwwtp-Bypass Outlet Structure                      | \$616,410            | \$0                  | \$0                  | \$0                  | \$616,410              |
| Mwwtp-Final Effluent Bypass Channel                | \$8,548,717          | \$0                  | \$0                  | \$0                  | \$8,548,717            |
| Mwwtp-Storage Basin                                | \$26,506,411         | \$0                  | \$0                  | \$0                  | \$26,506,411           |
| Oakport WW-Chlor System                            | \$177,325            | \$0                  | \$0                  | \$0                  | \$177,325              |
| Oakport WW-DeChlor System                          | \$149,286            | \$0                  | \$0                  | \$0                  | \$149,286              |
| Oakport WW-Control Bldg                            | \$847,594            | \$0                  | \$0                  | \$0                  | \$847,594              |
| Oakport WW-Emg Gen                                 | \$632,197            | \$0                  | \$0                  | \$0                  | \$632,197              |
| Oakport WW-Drainage                                | \$1,050,006          | \$0                  | \$0                  | \$0                  | \$1,050,006            |
| Oakport WW-Storage Bldg.                           | \$633,213            | \$0                  | \$0                  | \$0                  | \$633,213              |
| Oakport WW-Lscape/Pav/Fence                        | \$3,344,044          | \$0                  | \$0                  | \$0                  | \$3,344,044            |
| San Antonio Creek Wet Weather TP                   | \$12,622,514         | \$0                  | \$0                  | \$0                  | \$12,622,514           |
| San Antonio Creek Ww Dechlorination Facility       | \$5,917,619          | \$0                  | \$0                  | \$0                  | \$5,917,619            |
| San Antonio Creek Ww Outfall Structure             | \$2,787,508          | \$0                  | \$0                  | \$0                  | \$2,787,508            |
| San Antonio Creek Ww Gravity Sewer                 | \$588,791            | \$0                  | \$0                  | \$0                  | \$588,791              |
| San Antonio Creek Ww Lake Merritt Channel Crossing | \$1,587,448          | \$0                  | \$0                  | \$0                  | \$1,587,448            |
| San Antonio Creek Ww Outfall Subequacous Pipeline  | \$2,484,495          | \$0                  | \$0                  | \$0                  | \$2,484,495            |
| Versailles interceptor                             | \$989,726            | \$632,776            | \$0                  | \$0                  | \$1,622,502            |
| <b>Total Assets</b>                                | <b>\$465,802,474</b> | <b>\$233,849,995</b> | <b>\$124,198,140</b> | <b>\$223,800,627</b> | <b>\$1,047,651,236</b> |
| % allocation                                       | 44.5%                | 22.3%                | 11.9%                | 21.4%                |                        |

### 3.6. Allocation of Revenue Requirements

The total revenue requirements net of revenue credits from miscellaneous sources is, by definition, the net revenue requirement or net cost of providing service as shown in Table 3-15. This cost is then used as the basis to develop unit costs for the wastewater parameters and to allocate costs to the various customer classes in proportion to the services rendered. The concept of proportionate allocation to customer classes requires that allocations should take into consideration not only the volume of wastewater discharge used but also strength loadings associated with the wastewater flow.

The annual revenue requirement or cost of service to be recovered from wastewater charges includes operation and maintenance expenses and other non-operating expenses. O&M expenses include costs directly related to the collection, treatment, and disposal of wastewater and maintenance of system facilities as shown in Table 3-12.

The total Test Year cost of service to be recovered from the District's wastewater customers, shown in Table 3-15, is based on the FY 2017 budget provided by the District and estimated at approximately \$91.5 million. Of this, approximately \$47.3 million are operating costs and the remaining \$44.2 million are capital costs, which consists of capital expenditures and existing debt service. The cost of service analysis is based upon the premise that the utility must generate annual revenues adequate to meet the estimated annual revenue requirements. As part of the cost of service analysis, revenues from sources other than wastewater rates and charges (e.g., revenues from miscellaneous services) are deducted from the appropriate cost elements. Additional deductions are made to reflect interest income and other non-operating income during the Test Year. Adjustments are also made to account for changes in cash balances to fund reserves and/or capital expenses to ensure adequate collection of revenue and to determine annual revenues needed from rates.

Table 3-15 shows the allocation of revenue requirements to operating and capital components to determine the revenue required from rates.



**Table 3-15: Allocation of Revenue Requirements**

|   | FY 2017             |                     |                      |
|---|---------------------|---------------------|----------------------|
|   | Operating           | Capital             | Total                |
| <b>Revenue Requirements</b>                         |                     |                     |                      |
| O&M Expenses  | \$63,926,037        |                     | \$63,926,037         |
| Existing Debt Service                               |                     | \$33,301,178        | \$33,301,178         |
| Proposed Debt Service                               |                     | \$0                 | \$0                  |
| Admin Capital                                       |                     | \$0                 | \$0                  |
| Rate Funded Capital                                 |                     | \$27,954,400        | \$27,954,400         |
| <b>Total Revenue Requirements</b>                   | <b>\$63,926,037</b> | <b>\$61,255,578</b> | <b>\$125,181,615</b> |
| <b>Revenue Offsets</b>                              |                     |                     |                      |
| Resource Recovery                                   | \$7,248,557         | \$4,655,692         | \$11,904,249         |
| Property Taxes, less customer assistance            |                     | \$4,514,980         | \$4,514,980          |
| Ad Valorem Bond Levy                                |                     | \$2,865,215         | \$2,865,215          |
| Interest  | \$485,439           |                     | \$485,439            |
| Laboratory Services                                 | \$4,210,262         |                     | \$4,210,262          |
| Reimbursements                                      | \$1,475,502         |                     | \$1,475,502          |
| Permit Fees   | \$1,592,767         |                     | \$1,592,767          |
| Capacity Charges                                    |                     | \$0                 | \$0                  |
| All Other Revenue                                   |                     |                     |                      |
| BABS REBATE   |                     | \$2,504,058         | \$2,504,058          |
| PSL FEES  | \$1,126,722         |                     | \$1,126,722          |
| PGS ENERGY SALES                                    |                     | \$900,014           | \$900,014            |
| MISC <sup>11</sup>                                  | \$494,820           |                     | \$494,820            |
| Transfer (to)/from Rate Stabilization Reserve (RSR) | \$0                 |                     | \$0                  |
| <b>Total Revenue Offsets</b>                        | <b>\$16,634,069</b> | <b>\$15,439,958</b> | <b>\$32,074,027</b>  |
| <b>Adjustments</b>                                  |                     |                     |                      |
| Annual Cash Balance                                 |                     | \$1,619,175         | \$1,619,175          |
| <b>Total Adjustments</b>                            | <b>\$0</b>          | <b>\$1,619,175</b>  | <b>\$1,619,175</b>   |
| <b>Cost of Service to be Recovered from Rates</b>   | <b>\$47,291,967</b> | <b>\$44,196,445</b> | <b>\$91,488,412</b>  |

### 3.7. Development of Unit Costs of Service

In order to allocate costs of service to the different customer classes, unit costs of service need to be developed for each cost component. The unit costs of service are developed by dividing the total annual costs allocated to each component by the total annual service units of the respective cost component.

The unit costs of service are developed by dividing the total annual costs by the appropriate service units, such as flow, COD or TSS generated in the system, and accounts for billing costs. Table 3-16 shows the service units, such as annual flow, total pounds of COD and TSS, bills, etc. for each customer class. These service units are determined from the plant balance shown in Table 3-8 and FY 2017 consumption data provided by the District<sup>12</sup>.

<sup>11</sup> Miscellaneous revenue includes billboard revenue and lease revenue.

<sup>12</sup> Number of parcels for FY 2017 provided by the District.

**Table 3-16: Customer Class Service Units**

| Customer Class                  |                              | Flow (ccf)        | COD (lbs/yr)       | TSS (lbs/yr)      | Accounts       | Bills            | Parcels        |
|---------------------------------|------------------------------|-------------------|--------------------|-------------------|----------------|------------------|----------------|
| <b>Residential</b>              |                              |                   |                    |                   |                |                  |                |
| 8800                            | Single Family                | 8,292,421         | 36,882,062         | 15,529,289        | 145,582        | 1,746,984        | 104,958        |
| 6514                            | MFR 2-4 Units                | 2,038,675         | 9,067,381          | 3,817,844         | 14,729         | 176,748          | 54,920         |
| <b>Subtotal Residential</b>     |                              | <b>10,331,096</b> | <b>45,949,443</b>  | <b>19,347,134</b> | <b>160,311</b> | <b>1,923,732</b> | <b>159,878</b> |
| <b>Non-Residential</b>          |                              |                   |                    |                   |                |                  |                |
| 2010                            | Meat Products                | 4,776             | 231,114            | 12,522            |                |                  |                |
| 2011                            | Slaughterhouses              | 944               | 19,034             | 8,250             |                |                  |                |
| 2020                            | Dairy Product Processing     | 5,917             | 202,816            | 14,405            |                |                  |                |
| 2030                            | Fruit and Vegetable Canning  | 0                 | 0                  | 0                 |                |                  |                |
| 2040                            | Grain Mills                  | 4,955             | 67,943             | 23,819            |                |                  |                |
| 2050                            | Bakeries                     | 22,221            | 761,665            | 166,454           |                |                  |                |
| 2060                            | Sugar Processing             | 4,372             | 141,043            | 819               |                |                  |                |
| 2077                            | Rendering Tallow             | 0                 | 0                  | 0                 |                |                  |                |
| 2080                            | Beverage Mfgr & Bottling     | 99,255            | 1,921,219          | 80,546            |                |                  |                |
| 2090                            | Specialty Foods Mfgr         | 9,014             | 872,389            | 73,149            |                |                  |                |
| 2600                            | Pulp and Paper Products      | 3,716             | 40,463             | 14,847            |                |                  |                |
| 2810                            | Inorganic Chemicals Mfgr     | 2,869             | 5,785              | 25,073            |                |                  |                |
| 2820                            | Synthetic Material Mfgr      | 2,620             | 1,585              | 491               |                |                  |                |
| 2830                            | Drug Mfgr                    | 121,476           | 1,518,571          | 53,081            |                |                  |                |
| 2840                            | Cleaning and Sanitation Prod | 839               | 23,683             | 2,200             |                |                  |                |
| 2850                            | Paint Mfgr                   | 140               | 6,775              | 1,224             |                |                  |                |
| 2893                            | Ink and Pigment Mfgr         | 0                 | 0                  | 0                 |                |                  |                |
| 3110                            | Leather Tanning/Finishing    | 0                 | 0                  | 0                 |                |                  |                |
| 3200                            | Earthenware Mfgr             | 8,157             | 19,736             | 28,005            |                |                  |                |
| 3300                            | Primary Metals Mfgr          | 17,075            | 30,985             | 38,372            |                |                  |                |
| 3400                            | Metal Prod Fabricating       | 12,835            | 20,703             | 2,404             |                |                  |                |
| 3410                            | Drum and Barrel Mfgr         | 0                 | 0                  | 0                 |                |                  |                |
| 3470                            | Metal Coating                | 4,660             | 7,516              | 2,036             |                |                  |                |
| 4500                            | Air Transportation           | 95,439            | 481,078            | 59,576            |                |                  |                |
| 5812                            | Food Service Establishment   | 778,957           | 8,795,348          | 4,570,780         |                |                  |                |
| 6513                            | Apartment Bldgs (5+ units)   | 4,946,864         | 22,002,084         | 9,264,035         |                |                  |                |
| 7000                            | Hotels, Motels with Food     | 182,844           | 958,529            | 776,137           |                |                  |                |
| 7210                            | Commercial Laundries         | 16,536            | 190,045            | 31,999            |                |                  |                |
| 7215                            | Coin Operated Laundromats    | 247,521           | 1,796,661          | 293,572           |                |                  |                |
| 7218                            | Industrial Laundries         | 61,921            | 3,370,948          | 286,034           |                |                  |                |
| 7300                            | Laboratories                 | 73,470            | 281,461            | 36,690            |                |                  |                |
| 7542                            | Auto Washing and Polishing   | 46,252            | 270,446            | 57,744            |                |                  |                |
| 8060                            | Hospitals                    | 196,797           | 634,876            | 331,688           |                |                  |                |
| 8200                            | Schools                      | 727,541           | 2,053,699          | 363,326           |                |                  |                |
|                                 | All Other                    | 2,804,374         | 12,472,968         | 5,251,776         |                |                  |                |
|                                 | Multi-Use Customers          | 147,823           | 1,113,973          | 572,114           |                |                  |                |
| <b>Subtotal Non-Residential</b> |                              | <b>10,652,180</b> | <b>60,315,143</b>  | <b>22,443,169</b> | <b>18,513</b>  | <b>222,156</b>   | <b>15,927</b>  |
| <b>Total</b>                    |                              | <b>20,983,276</b> | <b>106,264,585</b> | <b>41,790,303</b> | <b>178,824</b> | <b>2,145,888</b> | <b>175,805</b> |

Table 3-17 shows the allocation of the revenue offsets from each miscellaneous revenue source to each cost component. The revenue offsets are applied to the capital or operating cost components (I&I, Flow, COD, TSS, etc.) of the revenue requirements based on an overall allocation percentage for O&M and Capital shown at the bottom of Table 3-12 and Table 3-14, respectively, with the following exceptions:

- )] Resource Recovery (R2) Revenue<sup>13</sup>:
  - o Operating - \$7.25 million of R2 revenue is used to offset operating costs. 33% of this revenue is assigned to COD, 11% to TSS, and 34% is assigned to Flow to offset the treatment costs for R2. An additional 22% of R2 revenue is assigned to the Other (general) cost component to offset the R2 program administration costs.<sup>14</sup>
  - o Capital - \$4.66 million of R2 revenue is used to offset the wastewater systems capital costs. \$1.4 million of this revenue is assigned to COD and \$3.26 million is assigned to TSS.
- )] Property Tax Revenue: The District's wastewater system receives approximately \$4.5 million in property tax revenue that does not have specific spending restrictions. Because it is unrestricted, \$400,000 of the property tax revenues are assigned to fund the District's Customer Assistance Program which provides financial assistance to low income customers for the payment of wastewater charges. The wastewater system's remaining property tax revenue is allocated to the wastewater system's capital costs.
- )] Operating Reimbursements: The operating reimbursements, including laboratory services, reimbursements, and permit fees, offset Other (general) costs, because costs for laboratory services and permitting are assigned to the Other cost component.
- )] Private Sewer Lateral Fees: The Private Sewer Lateral (PSL) fees are for the required inspection of private sewer laterals. The revenue from PSL fees are used to offset the Customer cost component since the corresponding PSL expenses are charged to the I&I program, which is reallocated to the Customer cost component.

The percentages, shown in Table 3-17, are applied to the revenue offsets, totaling \$32.07 million, shown in Table 3-15, to determine the amount of offsets to be applied to each cost component.

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<sup>13</sup> The R2 program is based on voluntary agreements entered into by the parties and thus its fees/charges are not subject to Proposition 218 or to detailed cost-based justifications.

<sup>14</sup> Allocation of the R2 program revenue to offset operating expenses was provided by the District based on an analysis of the treatment of R2 waste.

**Table 3-17: Revenue Offsets Allocation**

| Revenue Offsets Allocation                          | I&I                  | Flow                 | COD                  | TSS                  | Customer             | Other                | Total                 |
|---|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|-----------------------|
| <b>Operating</b>                                    |                      |                      |                      |                      |                      |                      |                       |
| Resource Recovery                                   |                      | 33%                  | 11%                  | 34%                  |                      | 22%                  | 100%                  |
| Interest  | 15%                  | 14%                  | 8%                   | 15%                  | 3%                   | 44%                  | 100%                  |
| Laboratory Services                                 |                      |                      |                      |                      |                      | 100%                 | 100%                  |
| Reimbursements                                      |                      |                      |                      |                      |                      | 100%                 | 100%                  |
| Permit Fees   |                      |                      |                      |                      |                      | 100%                 | 100%                  |
| All Other Revenue                                   |                      |                      |                      |                      |                      |                      | 100%                  |
| PSL FEES  |                      |                      |                      |                      | 100%                 |                      | 100%                  |
| MISC  |                      | 14%                  | 8%                   | 15%                  | 17%                  | 44%                  | 100%                  |
| Transfer (to)/from Rate Stabilization Reserve (RSR) |                      | 14%                  | 8%                   | 15%                  | 17%                  | 44%                  | 100%                  |
| <b>Capital</b>                                      |                      |                      |                      |                      |                      |                      | 100%                  |
| Resource Recovery                                   |                      |                      | 30%                  | 70%                  |                      |                      | 100%                  |
| Property Taxes, less customer assistance            | 100%                 |                      |                      |                      |                      |                      | 100%                  |
| Ad Valorem Bond Levy                                | 44%                  | 22%                  | 12%                  | 21%                  |                      |                      | 100%                  |
| Capacity Charges                                    | 44%                  | 22%                  | 12%                  | 21%                  |                      |                      | 100%                  |
| All Other Revenue                                   |                      |                      |                      |                      |                      |                      | 100%                  |
| BABS REBATE   | 44%                  | 22%                  | 12%                  | 21%                  |                      |                      | 100%                  |
| PGS ENERGY SALES                                    | 44%                  | 22%                  | 12%                  | 21%                  |                      |                      | 100%                  |
| <b>Revenue Offsets</b>                              | <b>(\$7,374,158)</b> | <b>(\$3,930,650)</b> | <b>(\$3,019,996)</b> | <b>(\$7,214,393)</b> | <b>(\$1,229,752)</b> | <b>(\$9,305,079)</b> | <b>(\$32,074,027)</b> |

The Other component is spread proportionally back to the remaining costs components. The calculation of the unit cost for each component is shown at the bottom of Table 3-18. The I&I capital expense will be recovered on the Wet Weather Facilities Charge collected on the property tax bill on each property that is connected to the wastewater system to pay for the capital facilities required to handle the wet weather flows that enter the District's wastewater system through the local collection systems and sewer connections. The I&I operating expense is the portion of the wastewater operating costs that is allocated to the I&I and is recovered on the customer unit cost component because it has no relationship to treatment flow or strength. Table 3-18 shows the calculation of the unit cost for each cost component. Total capital expenses equal debt service, administration of capital, and direct expenses, less transfers from other funds for capital and an adjustment for annual cash balance as shown in Table 3-15.

**Table 3-18: Development of Unit Costs**

|  | I&I                 | Flow                | COD                 | TSS                 | Customer            | Other               | Total               |
|--|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Operating Expenses (Table 3-12)                          | \$9,448,982         | \$9,080,052         | \$5,395,021         | \$9,889,367         | \$2,231,746         | \$27,880,869        | \$63,926,037        |
| I&I Operating Expenses to be Recovered on Customer       | (\$9,448,982)       |                     |                     |                     | \$9,448,982         | \$0                 |                     |
| Adjusted Operating Expenses                              | \$0                 | \$9,080,052         | \$5,395,021         | \$9,889,367         | \$11,680,728        | \$27,880,869        | \$63,926,037        |
| Capital Expenses (less Annual Cash Balance) (Table 3-15) | \$26,515,297        | \$13,311,656        | \$7,069,844         | \$12,739,606        | \$0                 | \$0                 | \$59,636,403        |
| Revenue Offsets (Table 3-17)                             | (\$7,374,158)       | (\$3,930,650)       | (\$3,019,996)       | (\$7,214,393)       | (\$1,229,752)       | (\$9,305,079)       | (\$32,074,027)      |
| <b>Total Cost of Service</b>                             | <b>\$19,141,139</b> | <b>\$18,461,058</b> | <b>\$9,444,869</b>  | <b>\$15,414,580</b> | <b>\$10,450,976</b> | <b>\$18,575,790</b> | <b>\$91,488,412</b> |
| Allocation of Other Cost                                 | \$4,876,546         | \$4,703,284         | \$2,406,249         | \$3,927,139         | \$2,662,572         | (\$18,575,790)      | \$0                 |
| <b>Allocated Cost of Service</b>                         | <b>\$24,017,686</b> | <b>\$23,164,342</b> | <b>\$11,851,117</b> | <b>\$19,341,719</b> | <b>\$13,113,548</b> | <b>\$0</b>          | <b>\$91,488,412</b> |
|  |                     |                     |                     |                     |                     |                     |                     |
| Unit of Service (Table 3-16)                             | 175,805             | 20,983,276          | 106,264,585         | 41,790,303          | 2,145,888           |                     |                     |
|  | parcel              | ccf                 | lbs/yr              | lbs/yr              | bills/yr            |                     |                     |
|  |                     |                     |                     |                     |                     |                     |                     |
| Unit Cost  | \$11.38             | \$1.104             | \$0.112             | \$0.463             | \$6.111             |                     |                     |
|  | per month           | per ccf             |                     |                     | \$/month            |                     |                     |

### 3.8. Allocation of Costs to Customer Class

The unit cost of each of the cost categories shown in Table 3-18 is then applied to the projected Test Year usage and units of each customer class to derive customer class costs.

Table 3-19 shows the allocation of costs to each customer class, based on the service units from Table 3-16 and the unit cost from Table 3-18. This includes the I&I cost component assessed to SFR, MFR with up to 4 dwelling units, and to non-residential overall based on the average I&I parcel unit cost.

**Table 3-19: Allocation of Costs to Customer Class**

| Customer Class         |                              | I&I                 | Flow                | COD                 | TSS                 | Customer            | Total               |
|------------------------|------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| <b>Residential</b>     |                              |                     |                     |                     |                     |                     |                     |
| 8800                   | Single Family                | \$14,338,888        | \$9,154,360         | \$4,113,258         | \$7,187,389         | \$10,675,841        | \$45,469,736        |
| 6514                   | MFR 2-4 Units                | \$7,502,923         | \$2,250,581         | \$1,011,236         | \$1,767,005         | \$1,080,109         | \$13,611,854        |
| <b>Non-Residential</b> |                              | \$2,175,875         | \$0                 | \$0                 | \$0                 | \$1,357,598         | \$3,533,473         |
| 2010                   | Meat Products                |                     | \$5,272             | \$25,775            | \$5,795             |                     | \$36,843            |
| 2011                   | Slaughterhouses              |                     | \$1,042             | \$2,123             | \$3,818             |                     | \$6,983             |
| 2020                   | Dairy Product Processing     |                     | \$6,532             | \$22,619            | \$6,667             |                     | \$35,818            |
| 2030                   | Fruit and Vegetable Canning  |                     | \$0                 | \$0                 | \$0                 |                     | \$0                 |
| 2040                   | Grain Mills                  |                     | \$5,471             | \$7,577             | \$11,024            |                     | \$24,072            |
| 2050                   | Bakeries                     |                     | \$24,531            | \$84,944            | \$77,039            |                     | \$186,515           |
| 2060                   | Sugar Processing             |                     | \$4,826             | \$15,730            | \$379               |                     | \$20,935            |
| 2077                   | Rendering Tallow             |                     | \$0                 | \$0                 | \$0                 |                     | \$0                 |
| 2080                   | Beverage Mfgr & Bottling     |                     | \$109,572           | \$214,263           | \$37,279            |                     | \$361,115           |
| 2090                   | Specialty Foods Mfgr         |                     | \$9,951             | \$97,293            | \$33,856            |                     | \$141,099           |
| 2600                   | Pulp and Paper Products      |                     | \$4,103             | \$4,513             | \$6,872             |                     | \$15,487            |
| 2810                   | Inorganic Chemicals Mfgr     |                     | \$3,167             | \$645               | \$11,605            |                     | \$15,417            |
| 2820                   | Synthetic Material Mfgr      |                     | \$2,892             | \$177               | \$227               |                     | \$3,296             |
| 2830                   | Drug Mfgr                    |                     | \$134,103           | \$169,358           | \$24,567            |                     | \$328,028           |
| 2840                   | Cleaning and Sanitation Prod |                     | \$926               | \$2,641             | \$1,018             |                     | \$4,586             |
| 2850                   | Paint Mfgr                   |                     | \$155               | \$756               | \$566               |                     | \$1,476             |
| 2893                   | Ink and Pigment Mfgr         |                     | \$0                 | \$0                 | \$0                 |                     | \$0                 |
| 3110                   | Leather Tanning/Finishing    |                     | \$0                 | \$0                 | \$0                 |                     | \$0                 |
| 3200                   | Earthenware Mfgr             |                     | \$9,005             | \$2,201             | \$12,962            |                     | \$24,168            |
| 3300                   | Primary Metals Mfgr          |                     | \$18,850            | \$3,456             | \$17,759            |                     | \$40,065            |
| 3400                   | Metal Prod Fabricating       |                     | \$14,169            | \$2,309             | \$1,112             |                     | \$17,590            |
| 3410                   | Drum and Barrel Mfgr         |                     | \$0                 | \$0                 | \$0                 |                     | \$0                 |
| 3470                   | Metal Coating                |                     | \$5,144             | \$838               | \$942               |                     | \$6,925             |
| 4500                   | Air Transportation           |                     | \$105,359           | \$53,652            | \$27,574            |                     | \$186,584           |
| 5812                   | Food Service Establishment   |                     | \$859,924           | \$980,898           | \$2,115,485         |                     | \$3,956,307         |
| 6513                   | Apartment Bldgs (5+ units)   |                     | \$5,461,056         | \$2,453,774         | \$4,287,654         |                     | \$12,202,484        |
| 7000                   | Hotels, Motels with Food     |                     | \$201,849           | \$106,900           | \$359,218           |                     | \$667,967           |
| 7210                   | Commercial Laundries         |                     | \$18,255            | \$21,195            | \$14,810            |                     | \$54,260            |
| 7215                   | Coin Operated Laundromats    |                     | \$273,249           | \$200,372           | \$135,873           |                     | \$609,494           |
| 7218                   | Industrial Laundries         |                     | \$68,357            | \$375,944           | \$132,384           |                     | \$576,685           |
| 7300                   | Laboratories                 |                     | \$81,107            | \$31,390            | \$16,981            |                     | \$129,478           |
| 7542                   | Auto Washing and Polishing   |                     | \$51,060            | \$30,161            | \$26,726            |                     | \$107,947           |
| 8060                   | Hospitals                    |                     | \$217,252           | \$70,804            | \$153,515           |                     | \$441,571           |
| 8200                   | Schools                      |                     | \$803,164           | \$229,038           | \$168,157           |                     | \$1,200,359         |
|                        | All Other                    |                     | \$3,095,869         | \$1,391,043         | \$2,430,669         |                     | \$6,917,581         |
|                        | Multi-Use Customers          |                     | \$163,188           | \$124,235           | \$264,790           |                     | \$552,214           |
| <b>Total Cost</b>      |                              | <b>\$24,017,686</b> | <b>\$23,164,342</b> | <b>\$11,851,117</b> | <b>\$19,341,719</b> | <b>\$13,113,548</b> | <b>\$91,488,412</b> |

The residential user class has the highest assignment of costs at \$59 million and is responsible for 64.6 percent of the total cost of service. The non-residential user classes are responsible for the remaining 35.4 percent of the annual cost of service. I&I cost assignment is based on average I&I unit cost per parcel. The total on Table 3-19 includes I&I contribution of \$24 million from all customer classes.

# 4. Proposed Wastewater User Charges

## 4.1. Setting Individual Component Rates

The revenue requirements and cost of service analyses described in the preceding sections of this report provide a basis for the design of a wastewater user charge structure. Setting rates involves the development of user charge schedules for each user class so as to recover the annual cost of service determined for each user class. This section of the report discusses the development of a schedule of wastewater rates for the District's user classes and analyzes the impact of the proposed changes in cost allocations and rate design on the user classes.

As a result of the COS Study, the District is retaining its current customer classes and rate structure for the wastewater user charges. The District has defined three customer classes for the wastewater system: SFR, MFR, and non-residential. Non-residential customers are further classified based on the type of business operated, which are grouped together or identified based on common characteristics of wastewater contributed to the system, including flow and strength. Together, the rates for the components of the wastewater service fees are structured to proportionately recover the costs of providing wastewater services among the various customer classes

The primary emphasis in the design of rate structures is ordinarily placed on achieving fairness and equity, with the objective of being able to ensure that each customer class pays its proportionate share of costs and to comply with regulatory requirements. However, the individual customer class rates are determined based on the cost of service analysis.

The following subsections discuss how each rate component is calculated. The District's current wastewater rate structure has five components: a Service Charge, a Flow Charge, a Strength Charge, a SF Bay Pollution Prevention Fee, and a Wet Weather Facilities Charge.

1. **Service Charge:** The Service Charge is a fixed monthly charge per service connection and is calculated to recover a portion of the District's customer related costs defined in the COS.
2. **Flow Charge:** The Flow Charge is a variable monthly charge based on a customer's metered water use and assumptions regarding the volume of water returned to the sewer system. The charge recovers the flow related charges defined in the COS.
3. **Strength Charge:** The Strength Charge is based on the estimated amount of COD and TSS that a customer discharges into the sewer system, and is calculated to recover the District's costs of treating COD and TSS as defined in the COS. As residential customers' wastewater is fairly homogeneous, the strength charge is a fixed Treatment Strength Charge.
4. **SF Bay Pollution Prevention Fee:** The Pollution Prevention Fee is a fixed monthly charge that varies for residential and commercial customers based on the costs of the District's pollution prevention programs for residential and commercial customers. The District's pollution prevention programs were established to reduce pollutants at the source and protect the San Francisco Bay.
5. **Wet Weather Facilities Charge (WWFC) collected on the property tax bill:** The Wet Weather Facilities Charge is a fixed annual charge assessed by lot size for properties connected to the wastewater system. It is calculated to recover the District's I&I costs defined in the COS.



## 4.2. Proposed Residential Charges

The District currently has a fixed charge plus Flow Charge rate structure for its residential wastewater customers. One advantage of the fixed charge plus Flow Charge rate structure is that the fixed component can be used to stabilize revenues and to recognize the fact that wastewater system costs are mostly fixed, while the flow or variable component can be used to encourage water conservation. The fixed charges consist of a monthly Service Charge, assessed per account, and a monthly Strength Charge, assessed per dwelling unit. The monthly Strength Charge is assessed per dwelling unit because residential accounts include MFR customers that can have up to four (4) dwelling units. The Flow Charge is assessed per ccf of water usage, with a maximum of 9 ccf per month per dwelling unit. The maximum of 9 ccf per month per dwelling unit is used because an analysis of the billing records shows that about 97 percent of all residential customers' winter use falls within the 9 ccf per month per dwelling unit.

Table 4-1 shows the Test Year COS wastewater charges for residential customers, which includes SFR and MFR up to 4 dwelling units. Apartment buildings with 5 or more dwelling units are considered non-residential customers for wastewater billing purposes because the District does not track the number of individual dwelling units in large apartment buildings. The waste strength concentration for apartments with 5 or more units is assumed to be the same as the domestic strength used for the SFR and MFR up to 4 dwelling units on the basis that apartment dwellers are domestic users that generate residential strength. The revenue requirement for the Service Charge is the customer cost component (refer to Table 3-19), for the Strength Charge is the COD and TSS cost components, and for the Flow Charge is the flow component. The monthly Service Charge is \$6.12 (rounded to the nearest cent from Table 3-18) and the Flow Charge is \$1.11 (rounded to the nearest cent from Table 3-18). The Strength Charge per dwelling unit is based on 20.77 lbs of COD and 8.74 lbs of TSS per month times the unit rates of \$0.112 and \$0.463, respectively, from Table 3-18, for a total of \$6.37. The average monthly charge shown in Table 4-1 is based on 6 ccf per month ( $\$6.12 + \$6.37 + (6 \text{ ccf} \times \$1.11) = \$19.15$ ).

**Table 4-1: Test Year Residential Wastewater Charges**

|  | Revenue Requirements | Units of Service | COD (mg/l) | TSS (mg/l) | Test Year Proposed |
|--|----------------------|------------------|------------|------------|--------------------|
| Service Charge (per account)                   | \$11,755,950         | 1,923,732        |            |            | \$6.12             |
| Strength Charge (per dwelling unit)            | \$14,078,888         | 2,212,512        | 713        | 300        | \$6.37             |
| Minimum monthly charge per household           |                      |                  |            |            | \$12.49            |
| Plus: A flow charge per ccf (maximum of 9 ccf) | \$11,404,941         | 10,331,096       |            |            | \$1.11             |
| Minimum monthly charge at 0 units              |                      |                  |            |            | \$0.00             |
| Maximum monthly charge at 9 ccf                |                      |                  |            |            | \$9.99             |
| Total Residential Charge                       |                      |                  |            |            |                    |
| Minimum monthly charge                         |                      |                  |            |            | \$12.49            |
| Maximum monthly charge                         |                      |                  |            |            | \$22.48            |
| Average monthly charge at 6 ccf                |                      |                  |            |            | \$19.15            |

## 4.3. Proposed Non-Residential Charges

Similarly, the District is retaining the current rate structure and classification of customer groups based on the strength of their wastewater discharges. Non-residential customers will pay the same fixed charges as residential customers, assessed per meter, and will be charged a Flow Charge based on their actual water usage and their user classification.



Table 4-2 shows the Test Year COS wastewater charges for non-residential customers. The revenue requirement for the fixed charge is the customer component (refer to Table 3-19) and the Flow Charge is the sum of the flow, COD and TSS components. The monthly service charge is \$6.12 (rounded to the nearest cent from Table 3-18). The treatment charge is the combined flow and strength treatment rates from the unit rates in Table 3-18 of \$1.104 per ccf for flow, \$0.112 per pound of COD, and \$0.463 per pound of TSS. These unit rates are applied to one (1) ccf of flow and the pounds of COD and TSS based on the assumed concentrations listed in Table 4-2. For example, non-residential customers that produce meat products have a Strength Charge based on 48.37 lbs of COD and 2.62 lbs of TSS per month times the unit rates of \$0.112 and \$0.463, respectively, from Table 3-18 for a total of \$6.63. To this the flow charge of \$1.104 is added for a total of \$7.74 (rounded to the nearest cent).

**Table 4-2: Test Year Non-Residential Wastewater Charges**

|  | Revenue Requirements | Units of Service | COD (mg/l) | TSS (mg/l) | Test Year Proposed |
|--|----------------------|------------------|------------|------------|--------------------|
| Monthly Service Charge (per meter)   | \$1,357,598          | 222,156          |            |            | \$6.12             |
| Treatment charge including flow processing (per ccf of sewage discharge)                           |                      |                  |            |            |                    |
| Meat Products  | \$36,843             | 4,776            | 7,752      | 420        | \$7.74             |
| Slaughterhouses  | \$6,983              | 944              | 3,230      | 1,400      | \$7.41             |
| Dairy Product Processing   | \$35,818             | 5,917            | 5,491      | 390        | \$6.07             |
| Fruit and Vegetable Canning  | \$0                  | 0                | 0          | 370        | \$4.89             |
| Grain Mills  | \$24,072             | 4,955            | 2,196      | 770        | \$4.87             |
| Bakeries (including Pastries)  | \$186,515            | 22,221           | 5,491      | 1,200      | \$8.41             |
| Sugar Processing   | \$20,935             | 4,372            | 5,168      | 30         | \$4.81             |
| Rendering Tallow   | \$0                  | 0                | 0          | 3,500      | \$14.61            |
| Beverage Manufacturing & Bottling  | \$361,115            | 99,255           | 3,101      | 130        | \$3.65             |
| Specialty Foods Manufacturing  | \$141,099            | 9,014            | 15,504     | 1,300      | \$15.70            |
| Pulp and Paper Products  | \$15,487             | 3,716            | 1,744      | 640        | \$4.18             |
| Inorganic Chemicals Mfgr.  | \$15,417             | 2,869            | 323        | 1,400      | \$5.38             |
| Synthetic Material Manufacturing   | \$3,296              | 2,620            | 97         | 30         | \$1.26             |
| Drug Manufacturing   | \$328,028            | 121,476          | 2,003      | 70         | \$2.71             |
| Cleaning and Sanitation Products   | \$4,586              | 839              | 4,522      | 420        | \$5.48             |
| Paint Manufacturing  | \$1,476              | 140              | 7,752      | 1,400      | \$10.57            |
| Ink and Pigment Manufacturing  | \$0                  | 0                | 0          | 80         | \$3.82             |
| Leather Tanning and Finishing  | \$0                  | 0                | 0          | 1,700      | \$14.60            |
| Earthenware Manufacturing  | \$24,168             | 8,157            | 388        | 550        | \$2.97             |
| Primary Metals Manufacturing   | \$40,065             | 17,075           | 291        | 360        | \$2.35             |
| Metal Products Fabricating   | \$17,590             | 12,835           | 258        | 30         | \$1.38             |
| Drum and Barrel Manufacturing  | \$0                  | 0                | 0          | 1,400      | \$14.86            |
| Metal Coating  | \$6,925              | 4,660            | 258        | 70         | \$1.49             |
| Air Transportation   | \$186,584            | 95,439           | 808        | 100        | \$1.96             |
| Food Service Establishments  | \$3,956,307          | 778,957          | 1,809      | 940        | \$5.09             |
| Apartment Buildings (5 or more units)  | \$12,202,484         | 4,946,864        | 713        | 300        | \$2.47             |
| Hotels, Motels with Food Service   | \$667,967            | 182,844          | 840        | 680        | \$3.66             |
| Commercial Laundries   | \$54,260             | 16,536           | 1,841      | 310        | \$3.29             |
| Coin Operated Laundromats  | \$609,494            | 247,521          | 1,163      | 190        | \$2.47             |
| Industrial Laundries   | \$576,685            | 61,921           | 8,721      | 740        | \$9.34             |
| Laboratories   | \$129,478            | 73,470           | 614        | 80         | \$1.77             |
| Automobile Washing and Polishing   | \$107,947            | 46,252           | 937        | 200        | \$2.34             |
| Hospitals  | \$441,571            | 196,797          | 517        | 270        | \$2.25             |
| Schools  | \$1,200,359          | 727,541          | 452        | 80         | \$1.66             |
| All Other BCC (includes dischargers of only segregated domestic wastes from sanitary conveniences) | \$6,917,581          | 2,804,374        | 713        | 300        | \$2.47             |

## 4.4. Proposed Wet Weather Facilities Charges

The WWFC funds capital expenses for the I&I facilities (wet weather facilities, interceptors, pumping stations and storage basins) that are required to handle the wet weather flows that enter the wastewater system through the local wastewater collection systems and sewer connections. The volume of wet weather flows that enter the wastewater

system from each property is proportional to the size of the collection system needed to serve each property. Properties with larger lots require more linear feet of collection system which presents more opportunity for storm water and ground water to enter through defects in the collection system. The volume of wet weather flows in the collection system has no direct relationship to a customer's monthly water use nor if the wastewater discharge is from a residential or non-residential customer. For these reasons, lot size rather than water service use is used as basis of the WWFC. The structure of WWFC is based on the rationale that larger lots contribute proportionally more to the wet weather flows than smaller lots. Accordingly, the WWFC is structured into three generalized lot sizes (or bins): 0 to 5,000 square feet (sq ft), 5,001 to 10,000 sq ft, and over 10,001 sq ft. The WWFC is based on median lot size for each of these bins.

The I&I capital facilities are designed to handle wet weather flows that are in excess of the normal wastewater discharges from wastewater customers. Because the WWFC is based on the size of the property and is unrelated to water or wastewater usage at the property, the District collects the WWFC on the property tax bill for all parcels that have connections to the local wastewater collection systems within the District's wastewater service area. The WWFC for public agencies that are exempt from property taxes is collected through the District's billing process.

Table 4-3 shows the calculation of the Test Year COS WWFC, based on median lot size for all customers. The total wet weather cost is divided by the total parcel areas within the District's service area to arrive at a unit cost per 1,000 sq ft. The proposed WWFC for each lot size is based on the unit cost multiplied by the median lot size in each bin.

**Table 4-3: Test Year Wet Weather Facilities Charges**

| Lot size (sq ft)                     | Total # of<br>Parcels | Median Lot<br>Size (sq ft) | Test Year<br>Proposed |
|--------------------------------------|-----------------------|----------------------------|-----------------------|
| 0-5,000                              | 104,958               | 4,000                      | \$97.00               |
| 5,001-10,000                         | 54,920                | 6,250                      | \$151.56              |
| over 10,001                          | 15,927                | 14,284                     | \$346.39              |
| <b>Total (Table 3-16)</b>            | <b>175,805</b>        |                            |                       |
|                                      |                       |                            |                       |
| Total Wet Weather Costs (Table 3-18) | \$24,017,686          |                            |                       |
| Total Area (1,000 sq ft)             | 990,583               |                            |                       |
| Unit Cost/yr/1,000sq ft              | \$24.25               |                            |                       |

## 4.5. San Francisco Bay Pollution Prevention Fee

The District must undertake a variety of activities to successfully operate the Pretreatment Program and Pollution Prevention Program required by the United States Environmental Protection Agency (EPA) and the State of California (through the Regional Water Quality Control Board (RWQCB)).

The Pollution Prevention Program, required by the RWQCB, develops and implements strategies to minimize and monitor pollutants from both residential and non-residential sources. The fee applies to accounts in the District's wastewater service area to cover costs for program implementation and has not been increased since 2008. For non-residential customers (excluding apartment buildings with 5 or more dwelling units), the fee will remain \$5.48 per month for FY 2020 and FY 2021. The fee for residential customers will remain \$0.20 per month for each single family and multi family dwelling unit (apartment buildings with 5 or more dwelling units pay based on 5 dwelling units) for FY 2020 and FY 2021.

## 4.6. Customer Impacts

Raftelis completed an analysis to evaluate the impact of the proposed rate structure on customers with various water usage levels. The results of the COS analysis are shown in comparison to the District's Test Year rates. By comparing the changes to the Test Year in this section, the customer impact attributed to the COS adjustments can be shown. Section 5 contains the proposed FY 2020 and FY 2021 wastewater rates and bill impacts that incorporate the COS adjustments and updated revenue requirements for FY 2020 and FY 2021.

Table 4-4 shows the bill impacts for different customers with typical water usage for the Test Year.

**Table 4-4: Typical Customers Wastewater Bill Impacts for Test Year**

| Customer Class                  | Monthly Flow (ccf) | FY 2017 Current Bill | FY 2017 Proposed Bill | Difference (\$) | Difference (%) |
|---------------------------------|--------------------|----------------------|-----------------------|-----------------|----------------|
| SFR                             | 6                  | \$19.73              | \$19.15               | (\$0.58)        | -2.9%          |
| MFR – Fourplex                  | 25                 | \$63.36              | \$59.35               | (\$4.01)        | -6.3%          |
| Commercial – Office             | 50                 | \$129.55             | \$129.62              | \$0.07          | 0.1%           |
| Commercial – Restaurant         | 50                 | \$253.05             | \$260.62              | \$7.57          | 3.0%           |
| Industrial – Food Manufacturing | 500                | \$7,255.55           | \$7,856.12            | \$600.57        | 8.3%           |

Note: Bill does not include the San Francisco Pollution Prevention Fee

Table 4-5 shows the impacts resulting from the Test Year proposed WWFC compared to the current WWFC.

**Table 4-5: Wet Weather Facilities Charge Impacts for Test Year**

| Lot size (sq ft) | FY 2017 Current | FY 2017 Proposed | Difference (\$) | Difference (%) |
|------------------|-----------------|------------------|-----------------|----------------|
| 0-5,000          | \$94.10         | \$97.00          | \$2.90          | 3.1%           |
| 5,001-10,000     | \$147.00        | \$151.56         | \$4.56          | 3.1%           |
| over 10,001      | \$336.00        | \$346.39         | \$10.39         | 3.1%           |

## **5. Proposed FY 2020 & FY 2021 Wastewater User Charges**

To determine the FY 2020 and FY 2021 user charges, required revenue adjustments were made to the Test Year rates and charges based on the District's FY 2020 and FY 2021 budgets for development of FY 2020 and FY 2021 rates and charges presented in this section. The COS effort resulted in some adjustments to the District's individual rates that were presented in previous sections in comparison to the District's wastewater user charges for the Test Year. From the District's FY 2020 and FY 2021 budgeted operating, capital, and debt expenses, the FY 2020 and FY 2021 revenue requirements were established. The Raftelis model was used to calculate the FY 2020 and FY 2021 wastewater rates, combining the FY 2020 and FY 2021 increased revenue requirements with the results of the COS Study. The results of the cost of service study were incorporated into the proposed FY 2020 and FY 2021 user charges by adjusting the charges from the COS analysis to yield the FY 2020 and FY 2021 revenue requirements.

The District's proposed budgets for FY 2020 and FY 2021 do not contain detailed budgeted costs by function, so the Test Year COS results are adjusted to match the FY 2020 and FY 2021 revenue requirements based on the budget. The District does not anticipate that the distribution of expenses by function for FY 2020 and FY 2021 will be significantly different than the Test Year expenses.

This section documents the process and calculations made to determine the wastewater user charges for FY 2020 and FY 2021.

### **5.1. FY 2020 and FY 2021 Wastewater User Charges and Customer Impacts**

The first step is to develop the current FY 2019 wastewater user charges based on the Test Year COS user charges. Table 5-1 shows the total FY 2019 revenue requirement, provided by the District, compared to the total Test Year revenue requirement as shown in Table 3-15.

**Table 5-1: Wastewater Revenue Requirement for FY 2019**

|   | FY 2017              | FY 2019              |
|---|----------------------|----------------------|
| <b>Revenue Requirements</b>                         |                      |                      |
| O&M Expenses  | \$63,926,037         | \$71,535,499         |
| Existing Debt Service                               | \$33,301,178         | \$29,760,873         |
| Proposed Debt Service                               | \$0                  | \$0                  |
| Admin Capital                                       | \$0                  | \$0                  |
| Rate Funded Capital                                 | \$27,954,400         | \$41,807,600         |
| <b>Total Revenue Requirements</b>                   | <b>\$125,181,615</b> | <b>\$143,103,972</b> |
| <b>Revenue Offsets</b>                              |                      |                      |
| Resource Recovery                                   | \$11,904,249         | \$9,000,000          |
| Property Taxes, less customer assistance            | \$4,514,980          | \$4,230,630          |
| Ad Valorem Bond Levy                                | \$2,865,215          | \$0                  |
| Interest  | \$485,439            | \$1,533,513          |
| Laboratory Services                                 | \$4,210,262          | \$4,261,635          |
| Reimbursements                                      | \$1,475,502          | \$1,442,000          |
| Permit Fees   | \$1,592,767          | \$1,600,000          |
| Capacity Charges                                    | \$0                  | \$2,963,000          |
| All Other Revenue                                   |                      |                      |
| BABS REBATE   | \$2,504,058          | \$2,500,000          |
| PSL FEES  | \$1,126,722          | \$1,500,000          |
| PGS ENERGY SALES                                    | \$900,014            | \$1,000,000          |
| MISC  | \$494,820            | \$700,000            |
| Transfer (to)/from Rate Stabilization Reserve (RSR) | \$0                  | \$0                  |
| <b>Total Revenue Offsets</b>                        | <b>\$32,074,027</b>  | <b>\$30,730,778</b>  |
| <b>Adjustments</b>                                  |                      |                      |
| Annual Cash Balance                                 | \$1,619,175          | \$11,121,645         |
| <b>Total Adjustments</b>                            | <b>\$1,619,175</b>   | <b>\$11,121,645</b>  |
| <b>Cost of Service to be Recovered from Rates</b>   | <b>\$91,488,412</b>  | <b>\$101,251,548</b> |
| <b>Difference (%)</b>                               |                      | <b>10%</b>           |

Since the FY 2019 revenue requirement is 10 percent higher than the Test Year revenue requirement, the Test Year COS user charges were increased by approximately the same percentage to calculate the COS adjusted FY 2019 user charges. Table 5-2 and Table 5-3 show the FY 2019 wastewater user charges for residential and non-residential customers, respectively, using the FY 2019 revenue requirement provided by the District.

**Table 5-2: FY 2019 Cost of Service Adjusted Wastewater Rates - Residential**

|  | FY 2017 | FY 2019 <sup>15</sup> | Difference (%) |
|--|---------|-----------------------|----------------|
| Service Charge (per account) [A]                   | \$6.12  | <b>\$6.75</b>         | 10%            |
| Strength Charge (per dwelling unit) [B]            | \$6.37  | <b>\$7.03</b>         | 10%            |
| Minimum monthly charge per household               | \$12.49 | <b>\$13.78</b>        | 10%            |
|  |         |                       |                |
| Plus: A flow charge per ccf (maximum of 9 ccf) [C] | \$1.11  | <b>\$1.22</b>         | 10%            |
| Minimum monthly charge at 0 units                  | \$0.00  | <b>\$0.00</b>         |                |
| Maximum monthly charge at 9 units                  | \$9.99  | <b>\$10.98</b>        | 10%            |
|  |         |                       |                |
| Total Residential Charge (A+B+C above)             |         |                       |                |
| Minimum monthly charge                             | \$12.49 | <b>\$13.78</b>        | 10%            |
| Maximum monthly charge                             | \$22.48 | <b>\$24.76</b>        | 10%            |
| Average monthly charge at 6 ccf                    | \$19.15 | <b>\$21.10</b>        | 10%            |

<sup>15</sup> Rates rounded to the nearest cent.

**Table 5-3: FY 2019 Cost of Service Adjusted Wastewater Rates – Non-Residential**

|   | FY 2017 | FY 2019 <sup>16</sup> | Difference (%) |
|---|---------|-----------------------|----------------|
| Monthly Service Charge (per meter)  | \$6.12  | <b>\$6.75</b>         | 10%            |
| Treatment charge including flow processing<br>(per ccf of sewage discharge)                           |         |                       |                |
| Meat Products   | \$7.74  | <b>\$8.55</b>         | 10%            |
| Slaughterhouses   | \$7.41  | <b>\$8.17</b>         | 10%            |
| Dairy Product Processing  | \$6.07  | <b>\$6.71</b>         | 10%            |
| Fruit and Vegetable Canning   | \$4.89  | <b>\$5.39</b>         | 10%            |
| Grain Mills   | \$4.87  | <b>\$5.37</b>         | 10%            |
| Bakeries (including Pastries)   | \$8.41  | <b>\$9.28</b>         | 10%            |
| Sugar Processing  | \$4.81  | <b>\$5.31</b>         | 10%            |
| Rendering Tallow  | \$14.61 | <b>\$16.10</b>        | 10%            |
| Beverage Manufacturing & Bottling   | \$3.65  | <b>\$4.03</b>         | 10%            |
| Specialty Foods Manufacturing   | \$15.70 | <b>\$17.35</b>        | 10%            |
| Pulp and Paper Products   | \$4.18  | <b>\$4.60</b>         | 10%            |
| Inorganic Chemicals Mfgr.   | \$5.38  | <b>\$5.92</b>         | 10%            |
| Synthetic Material Manufacturing  | \$1.26  | <b>\$1.39</b>         | 10%            |
| Drug Manufacturing  | \$2.71  | <b>\$2.99</b>         | 10%            |
| Cleaning and Sanitation Products  | \$5.48  | <b>\$6.05</b>         | 10%            |
| Paint Manufacturing   | \$10.57 | <b>\$11.67</b>        | 10%            |
| Ink and Pigment Manufacturing   | \$3.82  | <b>\$4.22</b>         | 10%            |
| Leather Tanning and Finishing   | \$14.60 | <b>\$16.12</b>        | 10%            |
| Earthenware Manufacturing   | \$2.97  | <b>\$3.27</b>         | 10%            |
| Primary Metals Manufacturing  | \$2.35  | <b>\$2.59</b>         | 10%            |
| Metal Products Fabricating  | \$1.38  | <b>\$1.51</b>         | 10%            |
| Drum and Barrel Manufacturing   | \$14.86 | <b>\$16.42</b>        | 10%            |
| Metal Coating   | \$1.49  | <b>\$1.64</b>         | 10%            |
| Air Transportation  | \$1.96  | <b>\$2.16</b>         | 10%            |
| Food Service Establishments   | \$5.09  | <b>\$5.61</b>         | 10%            |
| Apartment Buildings (5 or more units)   | \$2.47  | <b>\$2.72</b>         | 10%            |
| Hotels, Motels with Food Service  | \$3.66  | <b>\$4.03</b>         | 10%            |
| Commercial Laundries  | \$3.29  | <b>\$3.63</b>         | 10%            |
| Coin Operated Laundromats   | \$2.47  | <b>\$2.72</b>         | 10%            |
| Industrial Laundries  | \$9.34  | <b>\$10.32</b>        | 10%            |
| Laboratories  | \$1.77  | <b>\$1.95</b>         | 10%            |
| Automobile Washing and Polishing  | \$2.34  | <b>\$2.58</b>         | 10%            |
| Hospitals   | \$2.25  | <b>\$2.48</b>         | 10%            |
| Schools   | \$1.66  | <b>\$1.82</b>         | 10%            |
| All Other BCC (includes dischargers of only segregated<br>domestic wastes from sanitary conveniences) | \$2.47  | <b>\$2.72</b>         | 10%            |

Table 5-4 shows the FY 2019 Wet Weather Facilities Charge, using the FY 2019 revenue requirement provided by the District.

<sup>16</sup> Rates rounded to the nearest cent.



**Table 5-4: FY 2019 Cost of Service Adjusted Wet Weather Facilities Charge**

| Lot Size (sq ft) | FY 2017  | FY 2019 <sup>17</sup> | Difference (%) |
|------------------|----------|-----------------------|----------------|
| 0 – 5,000        | \$97.00  | <b>\$106.96</b>       | 10%            |
| 5,001 – 10,000   | \$151.56 | <b>\$167.10</b>       | 10%            |
| >10,001          | \$346.39 | <b>\$381.92</b>       | 10%            |

Table 5-5 shows the revenue requirement for FY 2019 from Table 5-1 and the revenue requirements for FY 2020 and FY 2021 based on the District's proposed FY 2020 and FY 2021 budgets for the wastewater enterprise.

**Table 5-5: Wastewater Revenue Requirement for FY 2020 and FY 2021**

|   | FY 2019              | FY 2020              | FY 2021              |
|---|----------------------|----------------------|----------------------|
| <b>Revenue Requirements</b>   |                      |                      |                      |
| O&M Expenses  | \$71,535,499         | \$75,091,889         | \$78,579,852         |
| Existing Debt Service   | \$29,760,873         | \$30,228,258         | \$29,839,038         |
| Proposed Debt Service   | \$0                  | \$0                  | \$0                  |
| Admin Capital   | \$0                  | \$0                  | \$0                  |
| Rate Funded Capital   | \$41,807,600         | \$48,475,000         | \$46,019,350         |
| <b>Total Revenue Requirements</b>   | <b>\$143,103,972</b> | <b>\$153,795,147</b> | <b>\$154,438,240</b> |
| <b>Revenue Offsets</b>  |                      |                      |                      |
| Resource Recovery   | \$9,000,000          | \$10,000,000         | \$10,000,000         |
| Property Taxes, less customer assistance                                  | \$4,230,630          | \$5,030,000          | \$5,155,750          |
| <i>Full Property Taxes, including amount used for customer assistance</i> | <i>\$4,630,630</i>   | <i>\$5,430,000</i>   | <i>\$5,555,750</i>   |
| Ad Valorem Bond Levy  | \$0                  | \$0                  | \$0                  |
| Interest  | \$1,533,513          | \$2,374,306          | \$2,082,768          |
| Laboratory Services   | \$4,261,635          | \$4,389,484          | \$4,521,169          |
| Reimbursements  | \$1,442,000          | \$1,485,260          | \$1,529,818          |
| Permit Fees   | \$1,600,000          | \$1,600,000          | \$1,600,000          |
| Capacity Charges  | \$2,963,000          | \$4,000,000          | \$4,000,000          |
| All Other Revenue   |                      |                      |                      |
| BABS REBATE   | \$2,500,000          | \$2,500,000          | \$2,500,000          |
| PSL FEES  | \$1,500,000          | \$1,500,000          | \$1,500,000          |
| PGS ENERGY SALES  | \$1,000,000          | \$1,000,000          | \$1,000,000          |
| MISC  | \$700,000            | \$700,000            | \$700,000            |
| Transfer (to)/from Rate Stabilization Reserve (RSR)                       | \$0                  | \$0                  | \$0                  |
| <b>Total Revenue Offsets</b>  | <b>\$30,730,778</b>  | <b>\$34,579,050</b>  | <b>\$34,589,505</b>  |
| <b>Adjustments</b>  |                      |                      |                      |
| Annual Cash Balance   | \$11,121,645         | \$13,603,218         | \$10,011,341         |
| <b>Total Adjustments</b>  | <b>\$11,121,645</b>  | <b>\$13,603,218</b>  | <b>\$10,011,341</b>  |
| <b>Cost of Service to be Recovered from Rates</b>                         | <b>\$101,251,548</b> | <b>\$105,612,879</b> | <b>\$109,837,394</b> |
| <i>Revenue to be Collected from Rates<sup>18</sup></i>                    | <i>\$100,851,548</i> | <i>\$105,212,879</i> | <i>\$109,437,394</i> |
| <b>Difference (%)</b>   |                      | <b>4%</b>            | <b>4%</b>            |

<sup>17</sup> Rates rounded to the nearest cent.

<sup>18</sup> The revenue collected from rates is lower due to the Customer Assistance Discount.

The FY 2020 revenue requirement is 4 percent higher than the FY 2019 revenue requirement and the FY 2021 revenue requirement is 4 percent higher than the FY 2020 revenue requirement. Based on the percent increase in revenue requirements for FY 2020 and FY 2021, the FY 2019 COS adjusted wastewater user charges, shown in Table 5-2 through Table 5-4, need to be increased by the same percentages in FY 2020 and in FY 2021 to meet the rate revenue requirements<sup>19</sup>.

Table 5-6 and Table 5-7 show the proposed FY 2020 and FY 2021 wastewater rates for residential and non-residential customers, respectively.

**Table 5-6: FY 2020 and FY 2021 Wastewater Rates - Residential**

|  | FY 2019 | FY 2020 <sup>20</sup> | Difference (%) | FY 2021 <sup>21</sup> | Difference (%) |
|--|---------|-----------------------|----------------|-----------------------|----------------|
| Service Charge (per account)                   | \$6.75  | <b>\$7.02</b>         | 4%             | <b>\$7.30</b>         | 4%             |
| Strength Charge (per dwelling unit)            | \$7.03  | <b>\$7.31</b>         | 4%             | <b>\$7.60</b>         | 4%             |
| Minimum monthly charge per household           | \$13.78 | <b>\$14.33</b>        | 4%             | <b>\$14.90</b>        | 4%             |
| Plus: A flow charge per ccf (maximum of 9 ccf) | \$1.22  | <b>\$1.27</b>         | 4%             | <b>\$1.32</b>         | 4%             |
| Minimum monthly charge at 0 units              | \$0.00  | <b>\$0.00</b>         |                | <b>\$0.00</b>         |                |
| Maximum monthly charge at 9 units              | \$10.98 | <b>\$11.43</b>        | 4%             | <b>\$11.88</b>        | 4%             |
| Total Residential Charge (A+B+C above)         |         |                       |                |                       |                |
| Minimum monthly charge                         | \$13.78 | <b>\$14.33</b>        | 4%             | <b>\$14.90</b>        | 4%             |
| Maximum monthly charge                         | \$24.76 | <b>\$25.76</b>        | 4%             | <b>\$26.78</b>        | 4%             |
| Average monthly charge at 6 ccf                | \$21.10 | <b>\$21.95</b>        | 4%             | <b>\$22.82</b>        | 4%             |

<sup>19</sup> Revenue Requirements for FY 2020 and FY 2021 were developed and provided by the District.

<sup>20</sup> Rates rounded to the nearest cent.

<sup>21</sup> Rates rounded to the nearest cent.

**Table 5-7: FY 2020 and FY 2021 Cost of Service Adjusted Wastewater Rates – Non-Residential**

|  | FY 2019 | FY 2020 <sup>22</sup> | Difference (%) | FY 2021 <sup>23</sup> | Difference (%) |
|--|---------|-----------------------|----------------|-----------------------|----------------|
| Monthly Service Charge (per meter)   | \$6.75  | <b>\$7.02</b>         | 4%             | <b>\$7.30</b>         | 4%             |
| Treatment charge including flow processing (per ccf of sewage discharge)                           |         |                       |                |                       |                |
| <b>BCCs</b>  |         |                       |                |                       |                |
| Meat Products  | \$8.55  | <b>\$8.90</b>         | 4%             | <b>\$9.24</b>         | 4%             |
| Slaughterhouses  | \$8.17  | <b>\$8.50</b>         | 4%             | <b>\$8.83</b>         | 4%             |
| Dairy Product Processing   | \$6.71  | <b>\$6.98</b>         | 4%             | <b>\$7.25</b>         | 4%             |
| Fruit and Vegetable Canning  | \$5.39  | <b>\$5.61</b>         | 4%             | <b>\$5.83</b>         | 4%             |
| Grain Mills  | \$5.37  | <b>\$5.58</b>         | 4%             | <b>\$5.80</b>         | 4%             |
| Bakeries (including Pastries)  | \$9.28  | <b>\$9.65</b>         | 4%             | <b>\$10.03</b>        | 4%             |
| Sugar Processing   | \$5.31  | <b>\$5.53</b>         | 4%             | <b>\$5.74</b>         | 4%             |
| Rendering Tallow   | \$16.10 | <b>\$16.74</b>        | 4%             | <b>\$17.40</b>        | 4%             |
| Beverage Manufacturing & Bottling  | \$4.03  | <b>\$4.19</b>         | 4%             | <b>\$4.36</b>         | 4%             |
| Specialty Foods Manufacturing  | \$17.35 | <b>\$18.05</b>        | 4%             | <b>\$18.75</b>        | 4%             |
| Pulp and Paper Products  | \$4.60  | <b>\$4.79</b>         | 4%             | <b>\$4.98</b>         | 4%             |
| Inorganic Chemicals Mfr.   | \$5.92  | <b>\$6.16</b>         | 4%             | <b>\$6.40</b>         | 4%             |
| Synthetic Material Manufacturing   | \$1.39  | <b>\$1.44</b>         | 4%             | <b>\$1.50</b>         | 4%             |
| Drug Manufacturing   | \$2.99  | <b>\$3.11</b>         | 4%             | <b>\$3.23</b>         | 4%             |
| Cleaning and Sanitation Products   | \$6.05  | <b>\$6.30</b>         | 4%             | <b>\$6.54</b>         | 4%             |
| Paint Manufacturing  | \$11.67 | <b>\$12.14</b>        | 4%             | <b>\$12.61</b>        | 4%             |
| Ink and Pigment Manufacturing  | \$4.22  | <b>\$4.39</b>         | 4%             | <b>\$4.56</b>         | 4%             |
| Leather Tanning and Finishing  | \$16.12 | <b>\$16.77</b>        | 4%             | <b>\$17.43</b>        | 4%             |
| Earthenware Manufacturing  | \$3.27  | <b>\$3.40</b>         | 4%             | <b>\$3.53</b>         | 4%             |
| Primary Metals Manufacturing   | \$2.59  | <b>\$2.69</b>         | 4%             | <b>\$2.80</b>         | 4%             |
| Metal Products Fabricating   | \$1.51  | <b>\$1.57</b>         | 4%             | <b>\$1.64</b>         | 4%             |
| Drum and Barrel Manufacturing  | \$16.42 | <b>\$17.08</b>        | 4%             | <b>\$17.74</b>        | 4%             |
| Metal Coating  | \$1.64  | <b>\$1.71</b>         | 4%             | <b>\$1.77</b>         | 4%             |
| Air Transportation   | \$2.16  | <b>\$2.25</b>         | 4%             | <b>\$2.34</b>         | 4%             |
| Food Service Establishments  | \$5.61  | <b>\$5.83</b>         | 4%             | <b>\$6.06</b>         | 4%             |
| Apartment Buildings (5 or more units)  | \$2.72  | <b>\$2.83</b>         | 4%             | <b>\$2.94</b>         | 4%             |
| Hotels, Motels with Food Service   | \$4.03  | <b>\$4.19</b>         | 4%             | <b>\$4.36</b>         | 4%             |
| Commercial Laundries   | \$3.63  | <b>\$3.77</b>         | 4%             | <b>\$3.92</b>         | 4%             |
| Coin Operated Laundromats  | \$2.72  | <b>\$2.83</b>         | 4%             | <b>\$2.94</b>         | 4%             |
| Industrial Laundries   | \$10.32 | <b>\$10.73</b>        | 4%             | <b>\$11.15</b>        | 4%             |
| Laboratories   | \$1.95  | <b>\$2.02</b>         | 4%             | <b>\$2.11</b>         | 4%             |
| Automobile Washing and Polishing   | \$2.58  | <b>\$2.68</b>         | 4%             | <b>\$2.79</b>         | 4%             |
| Hospitals  | \$2.48  | <b>\$2.57</b>         | 4%             | <b>\$2.68</b>         | 4%             |
| Schools  | \$1.82  | <b>\$1.89</b>         | 4%             | <b>\$1.97</b>         | 4%             |
| All Other BCC (includes dischargers of only segregated domestic wastes from sanitary conveniences) | \$2.72  | <b>\$2.83</b>         | 4%             | <b>\$2.94</b>         | 4%             |

<sup>22</sup> Rates rounded to the nearest cent.

<sup>23</sup> Rates rounded to the nearest cent.

Table 5-8 shows the WWFC for FY 2020 and FY 2021. The increases mirror those of the wastewater increases, i.e. 4 percent per year.

**Table 5-8: FY 2019 Cost of Service Adjusted Wet Weather Facilities Charge**

| Lot Size (sq ft) | FY 2019  | FY 2020         | Difference (%) | FY 2021         | Difference (%) |
|------------------|----------|-----------------|----------------|-----------------|----------------|
| 0 – 5,000        | \$106.96 | <b>\$111.24</b> | 4%             | <b>\$115.70</b> | 4%             |
| 5,001 – 10,000   | \$167.10 | <b>\$173.78</b> | 4%             | <b>\$180.74</b> | 4%             |
| >10,001          | \$381.92 | <b>\$397.20</b> | 4%             | <b>\$413.10</b> | 4%             |

The resulting customer bill impacts, shown in Table 5-9 and Table 5-10, reflect the increases described previously. Table 5-9 shows the bill impacts for different customers with typical water usage for FY 2020. Bill impacts for FY 2021 are approximately 4 percent more than those shown below.

**Table 5-9: Typical Customers' Wastewater Bill Impacts for FY 2020**

| Customer Class                  | Monthly Flow (ccf) | FY 2019 Current Bill | FY 2020 Proposed Bill | Difference (\$) | Difference (%) |
|---------------------------------|--------------------|----------------------|-----------------------|-----------------|----------------|
| SFR                             | 6                  | \$21.75              | \$21.95               | \$0.20          | 0.9%           |
| MFR – Fourplex                  | 25                 | \$69.84              | \$68.01               | (\$1.83)        | -2.6%          |
| Commercial – Office             | 50                 | \$142.62             | \$148.52              | \$5.90          | 4.1%           |
| Commercial – Restaurant         | 50                 | \$279.62             | \$298.52              | \$18.90         | 6.8%           |
| Industrial – Food Manufacturing | 500                | \$8,001.12           | \$9,032.02            | \$1,030.90      | 12.9%          |

Note: Bill does not include Pollution Prevention Charge

Table 5-10 shows the impacts for FY 2020 resulting from the proposed WWFC compared to the FY 2019 WWFC. Bill impacts for FY 2021 are approximately 4 percent more than those shown below.

**Table 5-10: Wet Weather Facilities Charge Impacts for FY 2020**

| Lot size (sq ft) | FY 2019 Current | FY 2020 Proposed | Difference (\$) | Difference (%) |
|------------------|-----------------|------------------|-----------------|----------------|
| 0-5,000          | \$103.74        | \$111.24         | \$7.50          | 7.2%           |
| 5,001-10,000     | \$162.06        | \$173.78         | \$11.72         | 7.2%           |
| over 10,001      | \$370.44        | \$397.20         | \$26.76         | 7.2%           |

# 6. Part II: Wastewater Capacity Fee Study

## 6.1. Introduction

In addition to wastewater rates, the District has a Wastewater Capacity Fee (WCF) for new or upsized connections. The purpose of these fees is to pay for the connections share of the costs of existing and/or new wastewater facilities. These fees are designed to be proportional to the demand placed on the systems by the new or expanded connections. The recommended capacity fees for the District do not exceed the estimated reasonable costs of providing the facilities for which they are collected and are of proportional benefit to the property being charged. The existing wastewater capacity fees were last updated in 2013 and were based on the Buy-In methodology to ensure that new customers or existing customers increasing their capacity demand paid their fair share of treatment capacity costs. The fee has been updated over the past five years to account for the effects of inflation but has not been updated to account for increased system value.

## 6.2. Legal and Economic Framework

### 6.2.1. LEGAL FRAMEWORK

Unlike the wastewater service charges, the WCF is not subject to Proposition 218. Government Code Section 66013 contains requirements specific to wastewater capacity fees. In addition, procedural requirements for adopting or protesting capacity fees, pursuant to Section 66013, are contained in Sections 66016, 66022, and 66023 of the Government Code. The most pertinent part of Section 66013 states:

*“Notwithstanding any other provision of law, when a local agency imposes fees for water connections or sewer connections, or imposes capacity charges, those fees or charges **shall not exceed the estimated reasonable cost of providing the service for which the fee or charge is imposed...**” (emphasis added)*

The WCF is also subject to the requirements set forth by Proposition 26, which amended Section 1 of Article XIII C, and requires the District to show the amount charged is not a tax by not exceeding the reasonable amount required to provide the service, as stated in Section 1(e)(2):

*“A charge imposed for a specific government service or product provided directly to the payor that is not provided to those not charged, and which does not exceed the reasonable costs to the local government of providing the service or product.”*

The District’s WCF is structured to meet the requirements of these laws, and to recover the reasonable cost of the facilities necessary to provide capacity for new, or significant changes to existing, sewer connections.

### 6.2.2. ECONOMIC FRAMEWORK

The basic economic philosophy behind capacity fees is that the costs of providing service should be paid for by those that receive utility from the product. In order to effect fair distribution of the value of the system, the charge should reflect a reasonable estimate of the cost of providing capacity to new connections, or to customers seeking to upsize an existing connection, and not unduly burden existing users through a comparable rate increase.

Accordingly, many utilities make this philosophy one of their primary guiding principles when developing their capacity fee structure.

The philosophy that service should be paid for by those that receive utility from the product is often referred to as “growth-should-pay-for-growth.” The principal is summarized in the American Water Works Association (AWWA) Manual M26, Water Rates and Related Charges:

*“The purpose of designing customer-contributed-capital system charges is to prevent or reduce the inequity to existing customers that results when these customers must pay the increase in water rates that are needed to pay for added plant costs for new customers. Contributed capital reduces the need for new outside sources of capital, which ordinarily has been serviced from the revenue stream. Under a system of contributed capital, many water utilities are able to finance required facilities by use of a ‘growth-pays-for-growth’ policy.”*

This principle, in general, also applies to wastewater and storm drainage systems. In this excerpt, customer-contributed-capital system charges are equivalent to capacity fees.

## 6.3. Methodology

There are two primary steps in calculating capacity fees: (1) determining the cost of capital required to serve new or upsized connections or accommodate an increase in density generated by in-fill projects, and (2) allocating those costs equitably to various types of connections based on the demand placed on the utility system.

There are several available methodologies for calculating capacity fees. The various approaches have evolved largely around the basis of changing public policy, legal requirements, and the unique and special circumstances of every local agency. The District uses the widely accepted Buy-In Method to calculate their capacity fees.

### 6.3.1. BUY-IN METHOD

The Buy-In approach rests on the premise that new or upsized connections are entitled to service at the same price as existing connections. Under this approach, new or upsized connections pay only an amount equal to their proportional share of the current system value, either using the original cost or replacement cost as the valuation basis and either netting the value of depreciation or not. This net investment, or value of the system, is then divided by the current demand of the system to determine the Buy-In cost per equivalent unit.

For example, if the existing system has 100 units of average usage and the new connector uses an equivalent unit, then the new customer would pay 1/100 of the total value of the existing system. By contributing this capacity fee, the new connector has bought into the existing system. The user has effectively acquired a financial position on par with existing customers and will face future capital challenges on equal financial footing with those customers. This approach is suited for agencies that either 1) have built most of their facilities and only a small portion of future facilities are needed for build-out, 2) the agency doesn’t have an adopted long-term capital improvement plan, or 3) the “build-out” date is so far out in the future that it is difficult to accurately project growth and required facilities with precision. Figure 6-1 shows the framework for calculating the Buy-in Capacity Fee.

Figure 6-1: Formula for Buy-In Approach



### 6.3.2. ASSET VALUATION APPROACHES

There are various methods employed to estimate the asset value of the existing facilities and derive an updated capacity fee based on the existing asset value. The principal method used by the District to value its existing assets is replacement cost less depreciation.

- )] **Replacement Cost Less Depreciation (RCLD).** Considerations of the current value of wastewater facilities may also be materially affected by the effects of age and depreciation. Depreciation takes into account the anticipated losses in plant value caused by wear and tear, decay, inadequacy, and obsolescence. To provide appropriate recognition of the effects of depreciation on existing wastewater facilities, the replacement cost valuation measure can be expressed on an RCLD basis. This measure is similar to other valuation methods, with the exception that accumulated depreciation is computed for each asset account based upon its age or condition and deducted from the respective total replacement cost to determine the RCLD measure of system value.

## 6.4. Current Wastewater Capacity Fee

New residential customers are currently charged a WCF per dwelling unit based on the estimated maximum indoor water consumption per dwelling unit. On the other hand, for non-residential customers, the District's current procedures for calculating fees are complicated, require significant staff time to administer, and are difficult for customers to understand.

Currently, the WCF for non-residential customers is calculated by estimating the monthly maximum wastewater discharge volume and multiplying it by the WCF rate for the corresponding Business Classification Code (BCC) for that customer. The method for determining the maximum discharge volume is a complicated process and involves multiple methods based on number of fixtures, average daily water use per occupant, building size, or applicant provided estimates. Results are then compared, and the most reasonable maximum wastewater discharge value is selected. This process requires significant staff time and does not allow non-residential customers to perform a self-assessment of possible WCF prior to applying for service. Therefore, the District is seeking to simplify the method used for calculating the WCF for non-residential customers and meet the following objectives:

1. Review the existing WCF and update as needed.
2. Increase transparency and simplify the administration of the WCF.

These objectives will provide transparency with District customers and allow prospective new customers the ability to estimate their potential WCF for their project. Additionally, they will reduce staff time required to calculate the WCF for new non-residential project applications and minimize or eliminate the need for periodic evaluations of a customer's WCF as business use assumptions used in the initial WCF calculation change.



## 6.5. Proposed Wastewater Capacity Fee

### 6.5.1. PROPOSED METHOD: BUY-IN APPROACH

The District's wastewater system has available capacity within the existing system to serve remaining growth under existing regulations. Therefore, the Buy-In approach was used to determine the proposed capacity fees for the wastewater utility.

### 6.5.2. VALUE OF THE SYSTEM

The first step in determining the Buy-In capacity fee is to determine the value of the existing system. As mentioned above, there are several methods of determining the current value of assets, but, for the purposes of this Capacity Fee Study, RCLD was used to account for today's replacement cost for system improvements, while acknowledging the remaining useful life of system facilities. To accomplish this, the District provided fixed asset records on the original cost of the system. Replacement cost is estimated by adjusting the original costs to reflect what might be expected if a similar asset were constructed today. This was achieved by escalating the original construction costs by a construction cost index. Raftelis utilized the Engineering News-Record's average Construction Cost Index for 20-cities (CCI) which reflects the average costs of a particular basket of construction goods (See Appendix D). Raftelis used a CCI value of 10,737 for 2017 to estimate the replacement costs and to update the FY 2019 WCF. Accumulated replacement cost depreciation was determined by escalating the accumulated depreciation for each asset by the appropriate CCI. The accumulated depreciation was subtracted from the replacement cost to determine the current value of the assets using the RCLD methodology and appropriately reflects the use of the system by the existing customers. Table 6-1 shows the wastewater assets at original cost, escalated into 2017 dollars (i.e. replacement cost), replacement cost accumulated depreciation, and assets adjusted for depreciation (RCLD). A summary of assets by category can be found in Table 3-10<sup>24</sup>.

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<sup>24</sup> A detail of the District's fixed assets can be found in Appendix C.



**Table 6-1: Wastewater Assets**

| Asset Class         | Original Cost          | Replacement Cost (A)   | RC Depreciation (B)    | Total Assets (RCLD) (A - B) |
|---------------------|------------------------|------------------------|------------------------|-----------------------------|
| Chlorination        | \$4,446,780            | \$8,540,747            | \$5,573,887            | \$2,966,859                 |
| Effluent            | \$65,663,726           | \$182,912,843          | \$125,112,768          | \$57,800,075                |
| General             | \$143,927,224          | \$287,890,054          | \$156,532,738          | \$131,357,316               |
| Grit                | \$19,834,612           | \$43,162,452           | \$26,238,500           | \$16,923,952                |
| Influent            | \$44,958,489           | \$87,805,442           | \$54,962,173           | \$32,843,269                |
| Interceptor         | \$234,814,953          | \$631,706,603          | \$344,050,490          | \$287,656,113               |
| Secondary           | \$80,177,795           | \$214,112,283          | \$140,348,216          | \$73,764,068                |
| PGS                 | \$94,548,798           | \$142,097,199          | \$64,654,705           | \$77,442,495                |
| Primary             | \$11,143,586           | \$17,734,903           | \$6,744,008            | \$10,990,895                |
| Sludge              | \$199,704,239          | \$296,325,729          | \$117,573,403          | \$178,752,326               |
| Wet Weather         | \$182,998,207          | \$393,699,323          | \$216,545,452          | \$177,153,871               |
| <b>Total Assets</b> | <b>\$1,082,218,409</b> | <b>\$2,305,987,576</b> | <b>\$1,258,336,340</b> | <b>\$1,047,651,236</b>      |

Additionally, the FY 2017 Working Capital Reserve and Capital Reserve beginning balances of \$17,700,000 and \$56,475,000, respectively, were included in the final value of the system as shown in Table 6-2. It is reasonable and appropriate to include the balance of the capital replacement reserves because these reserves have been built up over time by existing rate customers and will be used to repair or replace aging infrastructure, thereby contributing to the value of the system. To arrive at the total system value, the FY 2017 total debt service principal balances totaling \$420,207,400 were subtracted from the sum of the Wastewater System value and the Reserve balance.

**Table 6-2: Total System Value**

| Total System Value               |                      |
|----------------------------------|----------------------|
| Wastewater System Value (RCLD)   | \$1,047,651,236      |
| Reserve Balance                  | \$74,175,000         |
| Less Total Outstanding Principal | \$420,207,400        |
| <b>Total System Value</b>        | <b>\$701,618,836</b> |

The wastewater assets from Table 6-1 were then allocated to cost components related to I&I, Flow, COD, and TSS using the percent allocations determined in the COS Study shown in Table 3-14. However, an additional step is required to reallocate the value of I&I assets since customers are not charged based on I&I flows. This was done by spreading the \$465,802,474 in I&I assets proportionally to the other cost components of Flow, COD, and TSS. This results in revised allocation percentages to Flow, COD, and TSS as shown at the bottom of Table 6-3.

**Table 6-3: Wastewater System Value Allocation**

|  | I&I             | Flow          | COD           | TSS           | Total           |
|--|-----------------|---------------|---------------|---------------|-----------------|
| % Allocation (from <b>Table 3-14</b> ) | 44.5%           | 22.3%         | 11.9%         | 21.4%         | 100.0%          |
| Wastewater System Value (RCLD)         | \$465,802,474   | \$233,849,995 | \$124,198,140 | \$223,800,627 | \$1,047,651,236 |
| Reallocate I&I                         | (\$465,802,474) | \$187,209,999 | \$99,427,557  | \$179,164,918 | \$0             |
| Wastewater System Value                | \$0             | \$421,059,994 | \$223,625,698 | \$402,965,544 | \$1,047,651,236 |
| <b>% Allocated</b>                     | <b>0%</b>       | <b>40%</b>    | <b>21%</b>    | <b>38%</b>    | <b>100%</b>     |

These percent allocations can then be applied to the Total System Value from Table 6-2 of \$701,618,836 to determine cost allocations for Flow, COD, and TSS.

**Table 6-4: Total System Value Allocation**

| % Allocation |             | Cost Allocation      |
|--------------|-------------|----------------------|
| Flow         | 40%         | \$281,986,612        |
| COD          | 21%         | \$149,763,582        |
| TSS          | 38%         | \$269,868,642        |
| <b>Total</b> | <b>100%</b> | <b>\$701,618,836</b> |

### 6.5.3. SYSTEM CAPACITY

The second step in calculating the Buy-In WCF is to determine the demand or capacity of the system. Dividing the value of the system by the capacity provides a unit cost for the capacity fee. Here, the wastewater system capacity in terms of Flow in ccf, COD in pounds, and TSS in pounds will be used to determine the fee. The FY 2017 net units to the treatment plant, less I&I and trucked waste at headworks, are shown in Table 6-5.

**Table 6-5: System Capacity**

| FY 2017 Net Units to Treatment Plant |             |
|--------------------------------------|-------------|
| <b>Flow (ccf)</b>                    | 20,983,276  |
| <b>COD (lbs)</b>                     | 106,264,585 |
| <b>TSS (lbs)</b>                     | 41,790,303  |

### 6.5.4. PROPOSED WASTEWATER CAPACITY FEES

The WCF for both residential and non-residential customers will be calculated based on the unit costs for Flow, COD, and TSS. The calculation of the unit costs for the Buy-In wastewater capacity fees are shown in Table 6-6. The unit costs are calculated by dividing the system values for Flow, COD, and TSS from Table 6-4 by the net plant influent in Table 6-5 for the corresponding cost component. The proposed capacity fees are based on Flow in ccf per year and COD and TSS in pounds per year. WCFs can then be calculated using the flow and strength data from the COS analysis for both residential and non-residential customers.

**Table 6-6: WCF Updated FY 2019 Unit Costs**

|      | System Value<br>(A) | Net Plant Influent<br>(B) | Updated FY 2019<br>Unit Cost<br>(C) = (A ÷ B) | Current FY 2019<br>Unit Cost |
|------|---------------------|---------------------------|---|------------------------------|
| Flow | \$281,986,612       | 20,983,276                | <b>\$13.44</b> per ccf                        | <b>\$15.99</b> per ccf       |
| COD  | \$149,763,582       | 106,264,585               | <b>\$1.41</b> per lb                          | <b>\$1.31</b> per lb         |
| TSS  | \$269,868,642       | 41,790,303                | <b>\$6.46</b> per lb                          | <b>\$6.33</b> per lb         |

#### 6.5.4.1. Residential

Residential customers will continue to be charged a WCF per dwelling unit. The calculation of the WCF for a Single-Family Residence is shown in Table 6-7. The proposed capacity fee is for one dwelling unit and assumes a monthly flow of 7 ccf (84 ccf per year). Seven (7) ccf per month is the District's average indoor residential water usage as determined during the Water Utility's COS study in 2015. Domestic strength concentrations of 713 mg/l COD and 300 mg/l TSS from the wastewater COS Study were used to calculate the pounds per year of COD and TSS.

**Table 6-7: Updated FY 2019 Single-Family Residence WCF**

| Updated FY 2019 Capacity Fee Calculation |     |                             | Current FY 2019<br>Capacity Fee |
|--|-----|-----------------------------|---------------------------------|
| Flow (ccf/year)                          | 84  | \$1,128.96                  |                                 |
| COD (lbs/year)                           | 374 | \$527.34                    |                                 |
| TSS (lbs/year)                           | 157 | \$1,014.22                  |                                 |
| <b>Total SFR WCF</b>                     |     | <b>\$2,671<sup>25</sup></b> | <b>\$2,610</b>                  |

The Single-Family Residence WCF can be multiplied by the number of dwelling units for Multi-Family Residence accounts to calculate their WCF.

#### 6.5.4.2. Non-Residential

To increase transparency and uniformity, the District has decided to utilize the meter size to estimate annual average wastewater use for the WCF for non-residential customers with meters up to 1½ inches in size. This estimated wastewater discharge volume will be combined with an assigned strength category of low, medium, or high, based on the customers' BCC. For non-residential customers with meter sizes greater than 1½ inches, the District will determine the annual average use on a case by case basis. This replaces the current complex process of calculating the estimated wastewater discharge for each individual applicant based on business and facility attributes. The revised process should significantly reduce the amount of staff time necessary to determine the WCF, reduce the potential for error, and increase transparency for customers.

First, the yearly flow by meter size for meters 1½ inches and smaller was determined based on the non-residential yearly average wastewater use for each meter size from the FY 2017 wastewater consumption data (Table 6-8)<sup>26</sup>. This process is similar to how yearly flow by meter size is determined for the District's Water System Capacity Charge (SCC).

<sup>25</sup> Fee rounded to the nearest dollar.

<sup>26</sup> A detail of the calculation of non-residential yearly average use by meter size can be found in Appendix E.

**Table 6-8: Yearly Average Wastewater Use by Meter size**

| Meter Size   | Yearly Average Use (ccf) | Approximate Monthly Average Use (ccf) <sup>27</sup> |
|--------------|--------------------------|---|
| 5/8 inch     | 132                      | 11  |
| 3/4 & 1 inch | 347                      | 29  |
| 1 ½ inch     | 676                      | 57  |

Second, non-residential strength categories of Low, Medium, and High were based on the range of COD and TSS loading concentrations from various BCCs contained in the District's treatment rate schedule and divided into categories as shown in Table 6-9<sup>28</sup>. Each non-residential BCC was then placed into one of the three strength categories based on the combined estimated strengths for COD and TSS from the wastewater COS analysis. For example, Hospitals (BCC 8060) have a COD strength of 517 mg/L and a TSS strength of 270 mg/l. The combined strength value is 787, which would fall into the Low category<sup>29</sup>. The "Low" category comprises domestic and other similarly low-strength customers with a combined COD and TSS of 1,600 mg/l or less. The "High" category comprises high-strength industrial and food processing customers, such as Rendering Tallow (BCC 2077), Bakeries (BCC 2050), and Dairy Product Processing (BCC 2020). The "Medium" category comprises those customers with strength between 1,601 and 5,000, such as Food Service Establishments (BCC 5812).

**Table 6-9: Non-Residential Strength Categories**

| Non-Residential Strength Category | Range |         |
|-----------------------------------|-------|---------|
| Low                               | 0     | 1,600   |
| Medium                            | 1,601 | 5,000   |
| High                              | 5,001 | 999,999 |

Weighted average strengths for COD and TSS were then determined for each strength category using actual FY 2017 flows into the MWWTP as shown in Table 6-10.

**Table 6-10: Weighted Average Strengths**

| Non-Residential Strength Category | Weighted Average COD Strength (mg/l) | Weighted Average TSS Strength (mg/l) |
|-----------------------------------|--------------------------------------|--------------------------------------|
| Low                               | 690                                  | 262                                  |
| Medium                            | 1,958                                | 749                                  |
| High                              | 8,259                                | 820                                  |

The weighted average strengths by category and the flow by meter size were then used to calculate the non-residential WCF. The calculation of the Flow Charge for non-residential accounts with meter sizes of 1½ inches or smaller is shown in Table 6-11.

<sup>27</sup> Rounded up to the nearest ccf.

<sup>28</sup> Strength ranges were determined based on District input.

<sup>29</sup> Details of each BCC and its corresponding total strength and strength category can be found in Appendix E.

**Table 6-11: Non-Residential Updated FY 2019 Flow Charge**

| Meter Size   | Yearly Average Use (ccf)<br>from Table 6-8<br>[A] | Flow Unit Cost<br>from Table 6-6<br>[B] | Flow Charge<br>[C] = [A x B] |
|--------------|---|---|------------------------------|
| 5/8 inch     | 132   | \$13.44 per ccf                         | \$1,774.08                   |
| 3/4 & 1 inch | 347   | \$13.44 per ccf                         | \$4,663.68                   |
| 1 ½ inch     | 676   | \$13.44 per ccf                         | \$9,085.44                   |

The COD and TSS charges are shown in Table 6-12 and Table 6-13, respectively. These charges are calculated using the unit cost shown in Table 6-6, the weighted average strengths from Table 6-10, the yearly average use by meter size shown in Table 6-8, and conversion factors to convert from ccf to million gallons (MG) and mg/L to lbs/MG.

**Table 6-12: Non-Residential Updated FY 2019 COD Charge**

| Meter Size   | Strength Category |          |          |
|--------------|-------------------|----------|----------|
|              | Low               | Medium   | High     |
| 5/8 inch     | \$801             | \$2,274  | \$9,596  |
| 3/4 & 1 inch | \$2,107           | \$5,980  | \$25,225 |
| 1 ½ inch     | \$4,105           | \$11,648 | \$49,141 |

**Table 6-13: Non-Residential Updated FY 2019 TSS Charge**

| Meter Size   | Strength Category |          |          |
|--------------|-------------------|----------|----------|
|              | Low               | Medium   | High     |
| 5/8 inch     | \$1,395           | \$3,986  | \$4,367  |
| 3/4 & 1 inch | \$3,676           | \$10,472 | \$11,473 |
| 1 ½ inch     | \$7,158           | \$20,407 | \$22,352 |

The charges from Table 6-11, Table 6-12, and Table 6-13 are then combined to determine the total non-residential WCF by meter size and strength category as shown in Table 6-14. A direct comparison cannot be made to the current FY 2019 Non-Residential WCF by meter size because the current WCF process does not consider meter size when calculating the fee assessed to new non-residential applicants. The WCF will be calculated on a case by case basis for non-residential customers with meters that are 2 inches or larger.

**Table 6-14: Non-Residential Updated FY 2019 WCF<sup>30</sup>**

| Meter Size   | Strength Category |          |          |
|--------------|-------------------|----------|----------|
|              | Low               | Medium   | High     |
| 5/8 inch     | \$3,970           | \$8,034  | \$15,738 |
| 3/4 & 1 inch | \$10,446          | \$21,115 | \$41,362 |
| 1 ½ inch     | \$20,348          | \$41,141 | \$80,578 |

This proposed method of calculating the WCF for non-residential customers using the yearly average wastewater use based on meter size and assigning each BCC a strength category of Low, Medium, or High will provide transparency to the majority of non-residential customers and allow them the ability to estimate their potential WCF (for meter sizes less than 2 inches), will reduce the amount of staff time required to determine the WCF for

<sup>30</sup> Fee rounded to the nearest dollar for table, for administrative simplicity the District rounds to the nearest ten dollars for published WCF.

new non-residential customers, and will minimize the need for the review of a customer's WCF as business use assumptions change.

### 6.5.5. FY 2020 WASTEWATER CAPACITY FEE

Using the Engineering News-Record's average CCI for 20-cities for 2018, the proposed FY 2020 WCFs are calculated by escalating the updated FY 2019 WCF unit charges as shown in Table 6-15, Table 6-16, and Table 6-17.

**Table 6-15: Proposed FY 2020 WCF Unit Costs**

|      | Unit Cost              |
|------|------------------------|
| Flow | <b>\$13.85</b> per ccf |
| COD  | <b>\$1.45</b> per lb   |
| TSS  | <b>\$6.66</b> per lb   |

**Table 6-16: Proposed FY 2020 Single-Family Residence WCF**

| Capacity Fee Calculation |     |                             |
|--------------------------|-----|-----------------------------|
| Flow (ccf/year)          | 84  | \$1,163.40                  |
| COD (lbs/year)           | 374 | \$542.30                    |
| TSS (lbs/year)           | 157 | \$1,045.62                  |
| <b>Total SFR WCF</b>     |     | <b>\$2,752<sup>31</sup></b> |

**Table 6-17: Proposed FY 2020 Non-Residential WCF<sup>32</sup>**

| Meter Size   | Strength Category |          |          |
|--------------|-------------------|----------|----------|
|              | Low               | Medium   | High     |
| 5/8 inch     | \$4,090           | \$8,277  | \$16,214 |
| 3/4 & 1 inch | \$10,762          | \$21,754 | \$42,614 |
| 1 ½ inch     | \$20,964          | \$42,386 | \$83,017 |

Raftelis recommends the District adjust the WCFs annually to keep pace with inflation for capital assets by applying the Engineering News Record CCI.

### 6.5.6. WCF CREDIT WHEN APPLICANT REQUESTS EXPANDING EXISTING SERVICE

Per the District's policy, customers will receive a credit based on the WCF previously paid for service at the property. The value of the WCF credit will be determined using the flow and strength assumed in the original WCF and updated using the current WCF schedule (for flow and strength). For properties on which no WCF was paid, customers will be granted a credit for the existing use. For existing meters 1½ inches and smaller, the WCF credit will be calculated based on the current WCF schedule for the existing meter size and strength. For existing meters over 1½ inches, the WCF credit will be calculated based on the most recent 10 years of usage and strength

<sup>31</sup> Fee rounded to the nearest dollar for table, for administrative simplicity the District rounds to the nearest ten dollars for published WCF.

<sup>32</sup> Fee rounded to the nearest dollar for table, for administrative simplicity the District rounds to the nearest ten dollars for published WCF .

for the existing meter, provided that this value is not less than the value indicated in the schedule for the 1½ inch meter. If the account is subject to an Estimation Permit, the usage credit will consider diversion.

# Appendices



# Appendix A – Wastewater Strength Survey

| California WW Agencies                         | Non-Residential Categories | Number of Rate Classifications | \$/Unit | Strength Factors         | Additional Comments  |
|--|----------------------------|--------------------------------|---------|--------------------------|--|
| San Francisco PUC                              | Single                     | 1                              | \$/ccf  | COD & SS                 | Monthly service charge, flow charge, charge per pound of COD, SS, and Oil & Grease (using SIC standard loadings if no sampling)  |
| LA City Sanitation                             | Single                     | 1                              | \$/ccf  | N/A                      | Only charge based on flow, Commercial discharge = 93% of winter water use, can apply for adjustment for low strength   |
| Sanitation Districts of LA County              | Business Type              | 45                             | \$/SU   | COD & SS                 | Charge per Sewage Unit (SFR = 1 unit) using mean loadings per business type; Industrial - \$/MGY for flow, \$/1,000 lbs for COD & SS   |
| Central Contra Costa Sanitary District         | Business Type              | 22                             | \$/ccf  | BOD & SS                 | Flow charge per business type; Flow charge per student for schools; Industrial – Fixed charge, \$/ccf for flow, \$/1,000 lbs for BOD & SS)   |
| Union Sanitary District                        | Business Type              | 5                              | \$/kgal | COD & SS                 | Divided into strong, moderate, weak, or type of restaurant; Industrial - \$/kgal for flow, \$/1,000 lbs for COD & SS   |
| San Jose                                       | Business Type              | 38                             | \$/ccf  | BOD, SS, NH <sub>3</sub> | Flow charge per business type; Industrial – \$/ccf for flow, \$/1,000 lbs for BOD, SS, & NH <sub>3</sub> , and annual charges for capacity required                                  |
| Sacramento Regional County Sanitation District | Business Type              | 43                             | \$/ESD  | BOD, SS, TKN, Pathogens  | Charge per Equivalent Single-Family Dwelling (SFR = 1 unit) using mean loadings per business type; Industrial - \$/MG for flow & pathogens, \$/1,000 lbs for BOD & SS                |
| Santa Monica                                   | Strength Range             | 7                              | \$/ccf  | BOD & SS                 | Divided into low to high ranges, churches, institutional, schools, or industrial   |
| <b>Out-of-State WW Agencies</b>                |                            |                                |         |                          |  |
| Phoenix, AZ                                    | Business Type              | 10                             | \$/ccf  | COD & SS                 | All users assessed a flat environmental charge (\$/ccf) and a flow charge per business type; Industrial - \$/ccf for flow, COD, SS, and an Industrial Pretreatment Monitoring Charge |
| Salt Lake City, UT                             | Strength Range             | 7                              | \$/ccf  | COD, BOD, SS             | Divided into classes with specific ranges & charged per ccf for flow, BOD, & SS; High strength (>1,800 mg/l) - \$/lb of COD, BOD, & SS   |
| Renewable Water Resources, SC                  | Single                     | 1                              | \$/kgal | BOD & SS                 | Monthly service charge & flow charge based on commercial or industrial, Per lb surcharge for high strength users (>250 mg/l of BOD or SS)  |
| Little Rock Water Reclamation Authority, AR    | Single                     | 1                              | \$/ccf  | COD & SS                 | Monthly service charge & flow charge based on inside or outside city limits; Per lb surcharge for high strength users (>600 mg/l of SS, >50 mg/l of oil & grease, or >960 mg/l COD)  |

## Non-Residential Categories

1. Business Type – Non-residential customers are divided into groups based on the type of business and assumed strengths.
2. Single – Non-residential customers are all placed in a single category.
3. Strength Range – Non-residential customers are divided into groups based on a range of strengths.

# Appendix B – Detailed O&M Expenses

## O&M Expenses by Function

| O&M Expenses Info |                                 | Function      | FY 2017     | O&M Expenses Info    |                                | Function   | FY 2017             |
|-------------------|---------------------------------|---------------|-------------|----------------------|--------------------------------|------------|---------------------|
| 1002              | Maintain Interceptor Facilities | Interceptor   | \$830,618   | 4054                 | E BAYSHORE Wtr Redl Fac - Op   | Reclaimed  | \$3,777             |
| 1003              | Operate Interceptor Facilities  | Interceptor   | \$1,952,615 | 4055                 | E BAYSHORE Wtr Redl Fac - Mai  | Reclaimed  | \$101,623           |
| 1004              | Maintain Resrce Recovery Fclty  | R2            | \$512,055   | 6500                 | Operate Irrigation Process     | Reimbursed | \$27,442            |
| 1005              | Operate Resrce Recovery Fclty   | R2            | \$351,531   | 6510                 | Maintain Irrigation Projects   | Reimbursed | \$18,365            |
| 1012              | Maint Main Wwtp Wet Weathr Fac  | Wet           | \$266,273   | 6565                 | Bill & Collection Chargebacks  | Billing    | \$2,196,283         |
| 1123              | Operate Inflnt-Efflnt Facilitis | Influent Op   | \$6,732,235 | 6572                 | Work for Others - Billable     | Reimbursed | \$28,516            |
| 1124              | Maintn Inflnt-Efflnt Facilitis  | Influent Mtn  | \$797,026   | 6573                 | Work for Water System Genl Fnd | Reimbursed | \$1,816             |
| 1221              | Operate Prim Trtmnt Facilities  | Primary Op    | \$21,814    | 6576                 | Work for I/I Correction Progm  | I/I        | \$112               |
| 1222              | Maintn Prim Trtmnt Facilities   | Primary Mtn   | \$442,219   | 6577                 | Union Business Reimbursable    | Reimbursed | \$55,303            |
| 1223              | Public Plant Tours              | Overhead      | \$61,691    | 6579                 | Chev Redl Liq-Operation        | Reclaimed  | \$141,803           |
| 1231              | Grounds Genl Plant Maintenance  | Overhead      | \$2,700,716 | 6600                 | Chev Redl Liq-Maint            | Reclaimed  | \$131,600           |
| 1232              | Janitorial Service              | Overhead      | \$329,362   | 6601                 | RARE Operations & Maintenance  | Reclaimed  | \$516,484           |
| 1312              | Maintain Oxygen Productn Plant  | Secondary Mtn | \$172,274   | 6602                 | Chev Redl Sol - Maintenance    | Reclaimed  | \$52,652            |
| 1322              | Maintn Secndry Reactors Clairf  | Secondary Mtn | \$650,170   | 8000                 | Operating Budget - No Expense  | Overhead   | \$0                 |
| 1323              | Operate Secondary Trtmnt Facil  | Secondary Op  | \$3,281,986 | 8117                 | WW Data Management System      | Overhead   | \$654,043           |
| 1332              | Maintain Process Wtr Plant      | Secondary Mtn | \$3,238     | 8118                 | DCS Operations & Maintenance   | Overhead   | \$164,095           |
| 1423              | Operate Sludge Processes        | Sludge Op     | \$9,395,911 | 8345                 | Vehicle Maintenance and Repair | Overhead   | \$1,332             |
| 1424              | Maintain Sludge Processes       | Sludge Mtn    | \$1,479,309 | 8511                 | Administrative & General       | Overhead   | (\$3,176,540)       |
| 1531              | Operate Oakport Storm Facility  | Wet           | \$344,920   | 8512                 | Employee Relations             | Overhead   | \$229,894           |
| 1532              | Maintain Oakport Storm Facility | Wet           | \$443,502   | 8513                 | General Training               | Overhead   | \$124,045           |
| 1551              | Operate Pt Isabel Storm Facilty | Wet           | \$534,162   | 8515                 | Fiscal Activities              | Overhead   | \$142               |
| 1552              | Maintain Pt Isabel Storm Fclty  | Wet           | \$265,319   | 8516                 | Financial Planning             | Overhead   | \$68,687            |
| 1561              | Ope Sn Antonio Cr Stormwtr Fac  | Wet           | \$137,879   | 8519                 | Rate Analysis                  | Overhead   | \$246               |
| 2004              | Resource Recovery Admin         | R2            | \$1,497,185 | 8523                 | Technical Training             | Overhead   | \$1,481,072         |
| 2011              | Laboratory Analysis             | Lab           | \$3,166,226 | 8524                 | Regulatory Compliance Training | Overhead   | \$179,039           |
| 2012              | Laboratory Support              | Lab           | \$2,534,834 | 8526                 | Internal Audits                | Overhead   | \$305               |
| 2020              | Laboratory Research & Develop   | Lab           | \$112,071   | 8541                 | Financial Reporting            | Overhead   | \$124               |
| 2111              | Maintenance Engineering         | Overhead      | \$0         | 8561                 | Water System A & G Chargebacks | Overhead   | \$6,014,354         |
| 2113              | Research & Developmnt Engrnrng  | Overhead      | \$465       | 8563                 | Insurance Chargebacks          | Overhead   | \$343,543           |
| 2114              | Plant Operation Engineering     | Overhead      | \$464,188   | 8567                 | Regulatory Management          | Overhead   | \$919,282           |
| 2115              | Special Investigations          | Overhead      | \$419,817   | 8587                 | Employee Recognition Program   | Overhead   | \$6,425             |
| 2211              | Npdes Compliance Monitoring     | Overhead      | \$418,116   | 8590                 | Non-Ergonomic Furn & Inst Exp  | Overhead   | \$846               |
| 2212              | Admin Indus Dischg Compli Prog  | Permit        | \$555,780   | 8591                 | Ergonomic Audit Compliance     | Overhead   | \$7,562             |
| 2213              | Wet Wthr Compl Monitor (Npdes)  | Wet           | \$816       | 8592                 | Occupational Health & Safety   | Overhead   | \$43,065            |
| 2214              | Investigate Illegal Discharges  | Permit        | \$0         | 8593                 | Workers Compensation           | Overhead   | \$272,528           |
| 2216              | Inspect Indus Discharge Facilt  | Permit        | \$309       | 8595                 | Production Exams               | Overhead   | \$6,693             |
| 2217              | Implmt Pollution Prevent Prog   | Permit        | \$208,740   | 8621                 | Purchases For Stores           | Overhead   | \$0                 |
| 2220              | Air Quality Administration      | Overhead      | \$3,373     | 8624                 | Rebuild Parts for WW Stores    | Sludge Mtn | \$79,731            |
| 2222              | Inspect Support Ww Dept Projts  | Overhead      | \$1,445     | 8711                 | Community Relations            | Overhead   | \$2,939             |
| 2224              | Review Compliance               | Permit        | \$19,169    | 8712                 | Legislative Affairs            | Overhead   | \$11,549            |
| 2225              | Other Source Contrl Activities  | Permit        | \$344,441   | 8713                 | Customer/News Media Relations  | Overhead   | \$0                 |
| 2226              | Other Field Service Activities  | Permit        | \$13,631    | 8723                 | District Publications          | Overhead   | \$0                 |
| 2227              | Grease Hotspot Response         | Reimbursed    | \$86,071    | 8732                 | Emer Prepare/Hazd Miti Mgmt    | Overhead   | \$25,548            |
| 2228              | I/I Control Program             | I/I           | \$3,998,689 | 8733                 | Affirmative Action             | Overhead   | \$19,280            |
| 2230              | Inspect/Monitor Revenue Prgram  | Overhead      | \$239       | 8755                 | Financial Systems              | Overhead   | \$368               |
| 2231              | Revise Revenue Programs         | Overhead      | \$260,839   | 8766                 | Info Sys Planning              | Overhead   | \$135,740           |
| 2233              | Admn Wet Wthr Rates & Charges   | Billing       | \$35,463    | 8905                 | Organizational Memberships     | Overhead   | \$198,756           |
| 2400              | WW Asset Management Program     | Overhead      | \$357,949   | 8923                 | Risk Management                | Overhead   | \$40                |
| 2401              | WW Emergency Preparedness       | Overhead      | \$32,561    | 8940                 | Capital Programs Management    | Overhead   | \$343,379           |
| 3627              | Operate Pwr Generation Facility | PGS           | \$1,695,246 | 8941                 | Departmental Overhead          | Overhead   | \$4,265,448         |
| 3657              | Maint Power Generation Facility | PGS           | \$287,360   | 8951                 | Area Yard Expense              | Overhead   | \$0                 |
| 4052              | Chevron Reclamation Fac Oper    | Reclaimed     | \$4,852     | 8992                 | Budget Office Adjustments      | Overhead   | \$0                 |
|                   |                                 |               |             | <b>TOTAL O&amp;M</b> |                                |            | <b>\$63,926,037</b> |

# Appendix C – Fixed Asset Listing

## Fixed Asset Listing Including R2 Assets

| Unit Process<br>CATEGORY*                              | Class Descr.                                | Class Code          | ORIG.COST    | ENR ADJ COST  | DEPR.        | NET BOOK<br>VALUE | ENR ADJ NET<br>BOOK |
|--|---|---------------------|--------------|---------------|--------------|-------------------|---------------------|
| CHLORINATION   | Mwwtp-Chlorine System                       | <b>WW0352 Total</b> | \$195,146    | \$235,085     | \$38,192     | \$156,954         | \$186,190           |
| CHLORINATION   | Mwwtp-Chlorination Building                 | <b>WW0402 Total</b> | \$4,251,633  | \$8,305,662   | \$2,822,637  | \$1,428,996       | \$2,780,669         |
| EFFLUENT   | Mwwtp-Outfall Land                          | <b>WW0311 Total</b> | \$2,078,909  | \$37,573,997  | \$1,749,213  | \$329,696         | \$4,914,159         |
| EFFLUENT   | Mwwtp-Outfall Submarine                     | <b>WW0312 Total</b> | \$5,545,770  | \$35,463,863  | \$2,484,933  | \$3,060,837       | \$9,205,483         |
| EFFLUENT   | Mwwtp-Outfall Bridge                        | <b>WW0313 Total</b> | \$238,025    | \$553,777     | \$144,239    | \$93,786          | \$218,197           |
| EFFLUENT   | Mwwtp-Effluent Pump Station                 | <b>WW0342 Total</b> | \$19,753,653 | \$50,937,272  | \$14,466,277 | \$5,287,377       | \$10,388,412        |
| EFFLUENT   | Mwwtp-Water Pump Station #3                 | <b>WW0347 Total</b> | \$896,125    | \$1,758,671   | \$456,222    | \$439,902         | \$863,322           |
| EFFLUENT   | Mwwtp-Process Water Plant                   | <b>WW0381 Total</b> | \$35,549     | \$45,931      | \$10,072     | \$25,477          | \$32,917            |
| EFFLUENT   | Mwwtp-Dechlorination Station                | <b>WW0382 Total</b> | \$11,547,948 | \$21,763,793  | \$6,176,794  | \$5,371,154       | \$8,720,247         |
| EFFLUENT   | Mwwtp-Filter Plant Solids Handling Facility | <b>WW0387 Total</b> | \$23,339,363 | \$30,708,751  | \$5,841,899  | \$17,497,464      | \$22,626,059        |
| EFFLUENT   | Mwwtp-Sodium Bisulfite Area                 | <b>WW0508 Total</b> | \$2,228,383  | \$4,106,789   | \$1,777,323  | \$451,061         | \$831,280           |
| GENERAL (% ALLOC Mwwtp-Grounds & Improvements          |   | <b>WW0371 Total</b> | \$17,856,733 | \$65,846,631  | \$3,554,284  | \$14,302,449      | \$41,252,798        |
| GENERAL (% ALLOC Mwwtp-Administration And Lab Building |   | <b>WW0372 Total</b> | \$14,641,163 | \$24,856,819  | \$5,042,638  | \$9,598,525       | \$16,251,701        |
| GENERAL (% ALLOC Mwwtp-Service Building                |   | <b>WW0373 Total</b> | \$85,103     | \$1,521,999   | \$85,103     | \$0               | \$0                 |
| GENERAL (% ALLOC Mwwtp-Administration And Lab Center   |   | <b>WW0375 Total</b> | \$29,149,018 | \$61,751,583  | \$18,730,344 | \$10,418,674      | \$18,533,056        |
| GENERAL (% ALLOC Mwwtp-Maintenance Center              |   | <b>WW0376 Total</b> | \$12,762,666 | \$25,027,753  | \$4,496,152  | \$8,266,515       | \$13,965,697        |
| GENERAL (% ALLOC Mwwtp-Piping For Plant Utilities      |   | <b>WW0401 Total</b> | \$29,335,050 | \$53,964,487  | \$23,475,208 | \$5,859,841       | \$8,456,170         |
| GENERAL (% ALLOC Mwwtp-Bulk Storage Area               |   | <b>WW0506 Total</b> | \$4,675,143  | \$8,616,033   | \$3,857,998  | \$817,145         | \$1,505,954         |
| GENERAL (% ALLOC Mwwtp-Field Services Bldg             |   | <b>WW0917 Total</b> | \$2,707,085  | \$4,385,876   | \$520,848    | \$2,186,237       | \$3,531,511         |
| GENERAL (% ALLOC Wastewater Land - General             |   | <b>WWLAND Total</b> | \$15,698,358 | \$18,838,029  | \$0          | \$15,698,358      | \$18,838,029        |
| GENERAL (% ALLOC ALL WASTEWATER PORTABLE EQUIPMENT     |   | <b>WWPEQP Total</b> | \$17,016,906 | \$23,080,843  | \$8,857,313  | \$8,159,593       | \$9,022,399         |
| GRIT   | Mwwtp-Aerated Grit Tanks                    | <b>WW0351 Total</b> | \$6,738,689  | \$24,868,458  | \$5,142,043  | \$1,596,646       | \$5,543,750         |
| GRIT   | Mwwtp-Grit Dewatering Station               | <b>WW0357 Total</b> | \$13,095,923 | \$18,293,994  | \$4,799,289  | \$8,296,634       | \$11,380,202        |
| INFLUENT   | Mwwtp-Influent Pump Station                 | <b>WW0341 Total</b> | \$44,958,489 | \$87,805,442  | \$23,222,046 | \$21,736,444      | \$32,843,269        |
| INTERCEPTOR  | North Interceptor                           | <b>WW0301 Total</b> | \$41,420,877 | \$123,207,365 | \$12,945,682 | \$28,475,195      | \$58,423,966        |
| INTERCEPTOR  | South Interceptor                           | <b>WW0302 Total</b> | \$34,996,907 | \$194,804,054 | \$14,527,558 | \$20,469,350      | \$50,076,391        |
| INTERCEPTOR  | Alameda Interceptor                         | <b>WW0303 Total</b> | \$16,499,924 | \$50,887,666  | \$2,888,235  | \$13,611,689      | \$20,746,285        |
| INTERCEPTOR  | Estuary Crossing                            | <b>WW0304 Total</b> | \$456,493    | \$8,613,905   | \$398,346    | \$58,147          | \$1,097,142         |
| INTERCEPTOR  | Central Avenue Interceptor                  | <b>WW0305 Total</b> | \$8,938,996  | \$16,212,501  | \$2,322,141  | \$6,616,856       | \$12,000,875        |
| INTERCEPTOR  | South Foothill Interceptor                  | <b>WW0306 Total</b> | \$21,294,073 | \$41,755,704  | \$6,350,700  | \$14,943,372      | \$29,180,384        |
| INTERCEPTOR  | Adeline Street Interceptor                  | <b>WW0307 Total</b> | \$18,786,975 | \$34,841,246  | \$5,298,935  | \$13,488,040      | \$24,768,192        |
| INTERCEPTOR  | Powell Street Interceptor                   | <b>WW0308 Total</b> | \$5,290,727  | \$10,023,746  | \$3,149,519  | \$2,141,208       | \$4,032,671         |
| INTERCEPTOR  | ANAS Interceptor                            | <b>WW0309 Total</b> | \$3,487,760  | \$5,903,844   | \$747,931    | \$2,739,830       | \$4,637,798         |
| INTERCEPTOR  | Wood St Interceptor                         | <b>WW0310 Total</b> | \$20,997,951 | \$22,990,808  | \$715,854    | \$20,282,096      | \$22,104,951        |
| INTERCEPTOR  | Pump Station A-Albany                       | <b>WW0321 Total</b> | \$3,671,840  | \$6,903,405   | \$1,264,231  | \$2,407,608       | \$3,237,385         |
| INTERCEPTOR  | Pump Station B-Fernside                     | <b>WW0322 Total</b> | \$6,626,560  | \$13,437,291  | \$3,554,247  | \$3,072,313       | \$5,585,393         |
| INTERCEPTOR  | Pump Station C-Krusi Park                   | <b>WW0323 Total</b> | \$13,224,227 | \$27,331,207  | \$6,245,021  | \$6,979,206       | \$12,134,648        |
| INTERCEPTOR  | Pump Station D-Oak Street                   | <b>WW0324 Total</b> | \$1,476,192  | \$2,413,942   | \$261,955    | \$1,214,238       | \$1,554,592         |
| INTERCEPTOR  | Pump Station E-Grand Street                 | <b>WW0325 Total</b> | \$1,456,328  | \$2,232,785   | \$259,280    | \$1,197,049       | \$1,400,556         |
| INTERCEPTOR  | Pump Station F-Atlantic Avenue              | <b>WW0326 Total</b> | \$1,858,182  | \$4,964,291   | \$993,727    | \$864,455         | \$1,685,186         |
| INTERCEPTOR  | Pump Station G-Airport                      | <b>WW0327 Total</b> | \$2,676,794  | \$6,036,937   | \$1,232,324  | \$1,444,470       | \$2,795,700         |
| INTERCEPTOR  | Pump Station H-Fruitvale                    | <b>WW0328 Total</b> | \$11,532,000 | \$21,587,169  | \$4,213,606  | \$7,318,394       | \$9,657,560         |
| INTERCEPTOR  | Pump Station J-Frederick Street             | <b>WW0329 Total</b> | \$1,353,719  | \$4,232,678   | \$912,424    | \$441,295         | \$1,257,012         |
| INTERCEPTOR  | Pump Station K-7Th Street                   | <b>WW0330 Total</b> | \$1,426,705  | \$4,302,641   | \$882,403    | \$544,302         | \$1,412,098         |

## Fixed Asset Listing Including R2 Assets Continued

| Unit Process<br>CATEGORY*      | Class Descr.                                    | Class Code          | ORIG.COST              | ENR ADJ COST           | DEPR.                | NET BOOK<br>VALUE    | ENR ADJ NET<br>BOOK    |
|--------------------------------|---|---------------------|------------------------|------------------------|----------------------|----------------------|------------------------|
| INTERCEPTOR                    | Pump Station L                                  | <b>WW0331 Total</b> | \$4,860,237            | \$9,397,137            | \$2,148,866          | \$2,711,371          | \$5,015,645            |
| INTERCEPTOR                    | Pump Station Q- Wet Weather Page St Berkeley    | <b>WW0333 Total</b> | \$591,847              | \$1,024,700            | \$261,770            | \$330,077            | \$554,685              |
| INTERCEPTOR                    | Pump Station N (new)                            | <b>WW0334 Total</b> | \$6,329                | \$8,531                | \$2,022              | \$4,307              | \$5,806                |
| INTERCEPTOR                    | ANAS Pump Station R                             | <b>WW0335 Total</b> | \$7,367,039            | \$12,474,919           | \$1,557,089          | \$5,809,949          | \$9,838,090            |
| INTERCEPTOR                    | Pump Station M - Bridgeway                      | <b>WW0344 Total</b> | \$2,963,275            | \$4,417,692            | \$906,942            | \$2,056,333          | \$2,830,600            |
| Secondary                      | Mwwtp-Reactor Deck Area-Oxygen Production       | <b>WW0369 Total</b> | \$11,292,511           | \$27,264,106           | \$8,619,301          | \$2,673,209          | \$5,642,565            |
| Secondary                      | Mwwtp-Secondary Treatment Facility              | <b>WW0370 Total</b> | \$68,885,284           | \$186,848,178          | \$35,772,517         | \$33,112,767         | \$68,121,502           |
| PGS                            | Mwwtp-Power Generation Station                  | <b>WW0386 Total</b> | \$94,548,798           | \$142,097,199          | \$34,377,181         | \$60,171,617         | \$77,442,495           |
| PRIMARY                        | Mwwtp-Scum Dewatering Station                   | <b>WW0399 Total</b> | \$8,971,497            | \$13,645,702           | \$2,710,608          | \$6,260,889          | \$9,352,008            |
| PRIMARY                        | Mwwtp-Chemical Trench                           | <b>WW0400 Total</b> | \$720,479              | \$1,413,962            | \$265,109            | \$455,370            | \$893,677              |
| PRIMARY                        | Mwwtp-Pre-Chlorination Facility                 | <b>WW0507 Total</b> | \$1,451,611            | \$2,675,239            | \$1,047,253          | \$404,358            | \$745,210              |
| SLUDGE                         | Mwwtp-Chemical Storage Building (Relocated)     | <b>WW0374 Total</b> | \$3,099,994            | \$5,431,990            | \$1,707,302          | \$1,392,692          | \$2,403,686            |
| SLUDGE                         | Mwwtp-Sludge Digestion Facilities               | <b>WW0383 Total</b> | \$137,687,776          | \$189,522,660          | \$36,039,066         | \$101,648,710        | \$127,315,822          |
| SLUDGE                         | Mwwtp-Sludge Dewatering Facilities              | <b>WW0384 Total</b> | \$40,533,004           | \$66,048,316           | \$16,776,847         | \$23,756,157         | \$34,276,421           |
| SLUDGE                         | Mwwtp-Temp Sludge Dewatering Facility           | <b>WW0385 Total</b> | \$1,521,047            | \$1,965,280            | \$435,188            | \$1,085,859          | \$1,402,992            |
| SLUDGE                         | Mwwtp-Odor Control At Sludge Thickener          | <b>WW0388 Total</b> | \$15,546,197           | \$31,588,096           | \$9,431,944          | \$6,114,254          | \$12,152,375           |
| SLUDGE                         | Mwwtp-Composting Facility                       | <b>WW0450 Total</b> | \$1,316,220            | \$1,769,386            | \$422,719            | \$893,502            | \$1,201,029            |
| WET WEATHER                    | Pt. Isabel Tp-Treatment & Pretreatment Structur | <b>WW0343 Total</b> | \$45,505,445           | \$79,322,234           | \$23,284,945         | \$22,220,500         | \$38,484,242           |
| WET WEATHER                    | Mwwtp-Mid-Plant Pump Station                    | <b>WW0346 Total</b> | \$6,638,722            | \$10,689,873           | \$3,071,790          | \$3,566,932          | \$5,416,024            |
| WET WEATHER                    | Mwwtp-Wet Weather Pump Station                  | <b>WW0348 Total</b> | \$1,289,130            | \$1,793,206            | \$281,433            | \$1,007,696          | \$1,350,090            |
| WET WEATHER                    | Mwwtp-Washdown Pump Station                     | <b>WW0349 Total</b> | \$215,504              | \$422,933              | \$132,464            | \$83,040             | \$162,968              |
| WET WEATHER                    | Point Richmond-Pretreatment Structure           | <b>WW0354 Total</b> | \$8,000                | \$14,744               | \$8,000              | \$0                  | \$0                    |
| WET WEATHER                    | Oakport Wet Weather-Pretreatment Structure      | <b>WW0355 Total</b> | \$10,004,031           | \$20,696,768           | \$4,695,127          | \$5,308,904          | \$10,353,021           |
| WET WEATHER                    | Oakport Wet Weather-Pretreatment Structure      | <b>WW0356 Total</b> | \$2,043,657            | \$3,035,239            | \$320,290            | \$1,723,367          | \$2,403,306            |
| WET WEATHER                    | Mwwtp-Channel Crossing For Bypass Channel       | <b>WW0358 Total</b> | \$4,780,140            | \$9,381,167            | \$1,596,693          | \$3,183,447          | \$6,247,609            |
| WET WEATHER                    | Mwwtp 90" Pipe-Primry Effluent Bypass           | <b>WW0359 Total</b> | \$2,005,802            | \$3,936,446            | \$582,318            | \$1,423,484          | \$2,793,630            |
| WET WEATHER                    | Mwwtp 72" Pipe-Primry Influent Bypass           | <b>WW0360 Total</b> | \$2,540,549            | \$4,830,464            | \$1,231,433          | \$1,309,116          | \$2,552,927            |
| WET WEATHER                    | Mwwtp-Diversion Structure                       | <b>WW0361 Total</b> | \$28,195,434           | \$76,418,148           | \$11,603,602         | \$16,591,832         | \$27,553,044           |
| WET WEATHER                    | Mwwtp-Bypass Inlet Structure                    | <b>WW0362 Total</b> | \$15,415,976           | \$66,083,386           | \$10,831,043         | \$4,584,933          | \$10,480,288           |
| WET WEATHER                    | North Interceptor Junction Storage              | <b>WW0363 Total</b> | \$341,675              | \$1,094,573            | \$117,925            | \$223,750            | \$863,142              |
| WET WEATHER                    | Mwwtp-Bypass Outlet Structure                   | <b>WW0364 Total</b> | \$587,432              | \$1,855,267            | \$273,342            | \$314,090            | \$616,410              |
| WET WEATHER                    | Mwwtp-Final Effluent Bypass Channel             | <b>WW0365 Total</b> | \$8,287,786            | \$9,507,372            | \$747,149            | \$7,540,637          | \$8,548,717            |
| WET WEATHER                    | Mwwtp-Storage Basin                             | <b>WW0366 Total</b> | \$20,503,268           | \$40,861,822           | \$6,996,233          | \$13,507,035         | \$26,506,411           |
| WET WEATHER                    | Oakport WW-Chlor System                         | <b>WW0391 Total</b> | \$628,279              | \$1,345,499            | \$527,519            | \$100,760            | \$177,325              |
| WET WEATHER                    | Oakport WW-DeChlor System                       | <b>WW0392 Total</b> | \$962,754              | \$1,953,463            | \$869,987            | \$92,767             | \$149,286              |
| WET WEATHER                    | Oakport WW-Control Bldg                         | <b>WW0393 Total</b> | \$1,439,408            | \$3,195,628            | \$1,057,726          | \$381,682            | \$847,594              |
| WET WEATHER                    | Oakport WW-Emg Gen                              | <b>WW0394 Total</b> | \$955,196              | \$1,843,016            | \$557,844            | \$397,352            | \$632,197              |
| WET WEATHER                    | Oakport WW-Drainage                             | <b>WW0395 Total</b> | \$1,160,534            | \$2,577,178            | \$687,704            | \$472,831            | \$1,050,006            |
| WET WEATHER                    | Oakport WW-Washwtr Pump Sta.                    | <b>WW0396 Total</b> | \$121,075              | \$268,870              | \$121,075            | \$0                  | \$0                    |
| WET WEATHER                    | Oakport WW-Storage Bldg.                        | <b>WW0397 Total</b> | \$436,931              | \$970,286              | \$151,788            | \$285,143            | \$633,213              |
| WET WEATHER                    | Oakport WW-Lscape/Pav/Fence                     | <b>WW0398 Total</b> | \$1,996,609            | \$4,417,692            | \$483,477            | \$1,513,133          | \$3,344,044            |
| WET WEATHER                    | San Antonio Creek Wet Weather TP                | <b>WW0500 Total</b> | \$13,470,868           | \$24,821,541           | \$6,619,905          | \$6,850,962          | \$12,622,514           |
| WET WEATHER                    | San Antonio Creek Ww Dechlorination Facility    | <b>WW0501 Total</b> | \$6,203,211            | \$8,990,173            | \$1,786,184          | \$4,417,027          | \$5,917,619            |
| WET WEATHER                    | San Antonio Creek Ww Outfall Structure          | <b>WW0502 Total</b> | \$2,682,144            | \$4,934,140            | \$1,165,669          | \$1,516,475          | \$2,787,508            |
| WET WEATHER                    | San Antonio Creek Ww Gravity Sewer              | <b>WW0503 Total</b> | \$540,029              | \$995,243              | \$220,545            | \$319,484            | \$588,791              |
| WET WEATHER                    | San Antonio Creek Ww Lake Merritt Channel Cro   | <b>WW0504 Total</b> | \$1,759,796            | \$3,243,208            | \$898,431            | \$861,364            | \$1,587,448            |
| WET WEATHER                    | San Antonio Creek Ww Outfall Subequacous Pip    | <b>WW0505 Total</b> | \$2,278,822            | \$4,199,745            | \$930,711            | \$1,348,111          | \$2,484,495            |
| INTERCEPTOR                    | Versailles interceptor                          | <b>WW0918 Total</b> | \$1,552,995            | \$1,700,439            | \$71,179             | \$1,481,816          | \$1,622,502            |
| <b>TOTAL WASTEWATER ASSETS</b> |   |                     | <b>\$1,082,218,409</b> | <b>\$2,305,987,576</b> | <b>\$441,320,440</b> | <b>\$640,897,969</b> | <b>\$1,047,651,236</b> |

# Appendix D – Construction Cost Index

## Engineering News Record Construction Cost Index – 20 Cities

| Year | CCI Average | Year | CCI Average | Year | CCI Average |
|------|-------------|------|-------------|------|-------------|
| 1908 | 97          | 1945 | 308         | 1982 | 3825        |
| 1909 | 91          | 1946 | 346         | 1983 | 4066        |
| 1910 | 96          | 1947 | 413         | 1984 | 4146        |
| 1911 | 93          | 1948 | 461         | 1985 | 4195        |
| 1912 | 91          | 1949 | 477         | 1986 | 4295        |
| 1913 | 100         | 1950 | 510         | 1987 | 4406        |
| 1914 | 89          | 1951 | 543         | 1988 | 4519        |
| 1915 | 93          | 1952 | 569         | 1989 | 4615        |
| 1916 | 130         | 1953 | 600         | 1990 | 4732        |
| 1917 | 181         | 1954 | 628         | 1991 | 4835        |
| 1918 | 189         | 1955 | 660         | 1992 | 4985        |
| 1919 | 198         | 1956 | 692         | 1993 | 5210        |
| 1920 | 251         | 1957 | 724         | 1994 | 5408        |
| 1921 | 202         | 1958 | 759         | 1995 | 5471        |
| 1922 | 174         | 1959 | 797         | 1996 | 5620        |
| 1923 | 214         | 1960 | 824         | 1997 | 5826        |
| 1924 | 215         | 1961 | 847         | 1998 | 5920        |
| 1925 | 207         | 1962 | 872         | 1999 | 6059        |
| 1926 | 208         | 1963 | 901         | 2000 | 6221        |
| 1927 | 206         | 1964 | 936         | 2001 | 6343        |
| 1928 | 207         | 1965 | 971         | 2002 | 6538        |
| 1929 | 207         | 1966 | 1019        | 2003 | 6694        |
| 1930 | 203         | 1967 | 1074        | 2004 | 7115        |
| 1931 | 181         | 1968 | 1155        | 2005 | 7446        |
| 1932 | 157         | 1969 | 1269        | 2006 | 7751        |
| 1933 | 170         | 1970 | 1381        | 2007 | 7966        |
| 1934 | 198         | 1971 | 1581        | 2008 | 8310        |
| 1935 | 196         | 1972 | 1753        | 2009 | 8570        |
| 1936 | 206         | 1973 | 1895        | 2010 | 8799        |
| 1937 | 235         | 1974 | 2020        | 2011 | 9070        |
| 1938 | 236         | 1975 | 2212        | 2012 | 9308        |
| 1939 | 236         | 1976 | 2401        | 2013 | 9547        |
| 1940 | 242         | 1977 | 2576        | 2014 | 9806        |
| 1941 | 258         | 1978 | 2776        | 2015 | 10035       |
| 1942 | 276         | 1979 | 3003        | 2016 | 10338       |
| 1943 | 290         | 1980 | 3237        | 2017 | 10737       |
| 1944 | 299         | 1981 | 3535        | 2018 | 11062       |



# Appendix E – Non-Residential WCF

## Non-Residential Yearly Average Wastewater Use by Meter Size for WCF Calculation

| Meter Size   | FY 17 WW Consumption (ccf) | Number of Accounts | Yearly Average Use (ccf) |
|--------------|----------------------------|--------------------|--------------------------|
| 5/8 inch     | 1,230,073                  | 9,318              | 132                      |
| 3/4 & 1 inch | 1,231,818                  | 3,548              | 347                      |
| 1-1/2 inch   | 2,008,662                  | 2,973              | 676                      |

## Non-Residential Strength Assumptions for WCF Calculation

| BCC  | Description                  | COD (mg/L) | TSS (mg/L) | Total Strength | Strength Category | Flow (hcf/yr) | Weighted COD  | Weighted TSS |
|------|------------------------------|------------|------------|----------------|-------------------|---------------|---------------|--------------|
| 2010 | Meat Products                | 7,752      | 420        | 8,172          | High              | 4,776         | 37,023,552    | 2,005,920    |
| 2011 | Slaughterhouses              | 3,230      | 1,400      | 4,630          | Medium            | 944           | 3,049,120     | 1,321,600    |
| 2020 | Dairy Product Processing     | 5,491      | 390        | 5,881          | High              | 5,917         | 32,490,247    | 2,307,630    |
| 2040 | Grain Mills                  | 2,196      | 770        | 2,966          | Medium            | 4,955         | 10,884,214    | 3,815,719    |
| 2050 | Bakeries                     | 5,491      | 1,200      | 6,691          | High              | 22,221        | 122,015,511   | 26,665,200   |
| 2060 | Sugar Processing             | 5,168      | 30         | 5,198          | High              | 4,372         | 22,594,496    | 131,160      |
| 2080 | Beverage Mfgr & Bottling     | 3,101      | 130        | 3,231          | Medium            | 99,255        | 307,771,216   | 12,903,205   |
| 2090 | Specialty Foods Mfgr         | 15,504     | 1,300      | 16,804         | High              | 9,014         | 139,753,056   | 11,718,200   |
| 2600 | Pulp and Paper Products      | 1,744      | 640        | 2,384          | Medium            | 3,716         | 6,482,040     | 2,378,458    |
| 2810 | Inorganic Chemicals Mfgr     | 323        | 1,400      | 1,723          | Medium            | 2,869         | 926,687       | 4,016,600    |
| 2820 | Synthetic Material Mfgr      | 97         | 30         | 127            | Low               | 2,620         | 253,878       | 78,600       |
| 2830 | Drug Mfgr                    | 2,003      | 70         | 2,073          | Medium            | 121,476       | 243,268,679   | 8,503,349    |
| 2840 | Cleaning and Sanitation Prod | 4,522      | 420        | 4,942          | Medium            | 839           | 3,793,958     | 352,380      |
| 2850 | Paint Mfgr                   | 7,752      | 1,400      | 9,152          | High              | 140           | 1,085,280     | 196,000      |
| 3200 | Earthenware Mfgr             | 388        | 550        | 938            | Low               | 8,157         | 3,161,653     | 4,486,350    |
| 3300 | Primary Metals Mfgr          | 291        | 360        | 651            | Low               | 17,075        | 4,963,680     | 6,146,973    |
| 3400 | Metal Prod Fabricating       | 258        | 30         | 288            | Low               | 12,835        | 3,316,564     | 385,050      |
| 3470 | Metal Coating                | 258        | 70         | 328            | Low               | 4,660         | 1,204,061     | 326,177      |
| 4500 | Air Transportation           | 808        | 100        | 908            | Low               | 95,439        | 77,066,593    | 9,543,851    |
| 5812 | Food Service Establishment   | 1,809      | 940        | 2,749          | Medium            | 778,957       | 1,408,977,422 | 732,219,580  |
| 7000 | Hotels, Motels with Food     | 840        | 680        | 1,520          | Low               | 182,844       | 153,552,302   | 124,333,848  |
| 7210 | Commercial Laundries         | 1,841      | 310        | 2,151          | Medium            | 16,536        | 30,444,430    | 5,126,160    |
| 7215 | Coin Operated Laundromats    | 1,163      | 190        | 1,353          | Low               | 247,521       | 287,817,419   | 47,028,990   |
| 7218 | Industrial Laundries         | 8,721      | 740        | 9,461          | High              | 61,921        | 540,011,646   | 45,821,422   |
| 7300 | Laboratories                 | 614        | 80         | 694            | Low               | 73,470        | 45,088,809    | 5,877,635    |
| 7542 | Auto Washing and Polishing   | 937        | 200        | 1,137          | Low               | 46,252        | 43,324,248    | 9,250,400    |
| 8060 | Hospitals                    | 517        | 270        | 787            | Low               | 196,797       | 101,704,493   | 53,135,087   |
| 8200 | Schools                      | 452        | 80         | 532            | Low               | 727,541       | 328,993,952   | 58,203,264   |
| 0    | All Other                    | 713        | 300        | 1,013          | Low               | 2,804,374     | 1,998,116,539 | 841,312,227  |


# **EXHIBIT E**

EAST BAY MUNICIPAL UTILITY DISTRICT

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DATE: March 20, 2025

MEMO TO: Board of Directors

FROM: Clifford C. Chan, General Manager 

SUBJECT: Fiscal Years 2026 and 2027 Recommended Revisions to the Water and Wastewater Schedules of Rates and Charges Subject to Proposition 218

**SUMMARY**

The District updates the Water and Wastewater rates and charges biennially in conjunction with the development of its budget. The proposed Fiscal Year (FY) 2026 and FY 2027 rates and charges are designed to cover the expenditures identified in the proposed FY 2026 and FY 2027 Biennial Budget.

To determine the appropriate rates and charges needed to recover its costs, the District engages independent rate consultants to perform cost of service (COS) rate studies for the Water and Wastewater systems. The Water System COS Rate Study is scheduled to be completed in March 2025; the Wastewater System COS Rate Study was completed in May 2019. These studies establish water and wastewater rates and charges to conform to COS principles to allocate operating and capital costs to ratepayers based on the proportional cost of service consistent with California Constitution article XIII D, section 6 (commonly referred to as Proposition 218). The Water System COS Rate Study will be made available on [ebmud.com/rates](http://ebmud.com/rates) once it is completed.

The proposed FY 2026 and FY 2027 budgets address the operating and capital needs of the District for the next two fiscal years. The recommended rates are necessary to:

- Meet the costs of operating and maintaining the Water and Wastewater systems;
- Address impacts of inflationary cost increases;
- Invest in capital infrastructure improvements;
- Maintain financial stability;
- Comply with state-mandated regulatory requirements; and
- Meet annual debt service requirements and comply with debt covenants.

Staff recommends the proposed water and wastewater rates and charges be adopted by the District's Board of Directors. The proposed FY 2026 rates and charges would take effect for services provided on or after July 1, 2025, and the proposed FY 2027 rates and charges would take effect for services provided on or after July 1, 2026.



The recommended average rate increases for the Water System are 6.5 percent for FY 2026 and 6.5 percent for FY 2027. The recommended average rate increases of the Wastewater System are 8.5 percent for FY 2026 and 8.5 percent for FY 2027. The recommended rates will continue to reflect proportional recovery of cost of service for each parcel served by the Water and Wastewater systems. After implementation of these recommended rate increases, a typical (median) single-family residential (SFR) customer using five units<sup>1</sup> of water per month will see an increase of \$3.79 per month in FY 2026 and an increase of \$4.31 per month in FY 2027 in water charges. A SFR wastewater customer using five units of water per month will see an increase of \$2.31 per month in FY 2026 an increase of \$2.50 per month in FY 2027 in wastewater treatment charges. Wastewater customers also pay a Wet Weather Facilities Charge (WWFC) collected on the property tax bill. Depending on lot size, in FY 2026 the WWFC will increase between \$12.52 and \$44.70 per year and in FY 2027 will increase between \$13.58 and \$48.50 per year.

The recommendations in this memo (Memo) cover FY 2026 and 2027 water and wastewater rates and charges subject to Proposition 218. In compliance with Proposition 218, the District plans to hold a public hearing on June 10, 2025 for the Board to consider adoption of the proposed rates and charges. At least 45 days prior to the scheduled public hearing, notices will be mailed to the owners of record of parcels upon which the proposed charges will be imposed. The owner of record of any parcel upon which the water and wastewater rates are proposed for imposition, or a customer of record who is not the property owner (e.g., a tenant), may submit a written protest to one or more proposed rate changes. On March 25, 2025, a draft copy of the Proposition 218 notice will be presented to the Board for review.

The recommended rates and charges discussed herein as well as fees not subject to Proposition 218 (including capacity charges, recreation fees, installation charges, and other one-time fees and charges) will be presented in a report and recommendation from the General Manager at the May 13, 2025 Board meeting.

## **RECOMMENDATIONS**

Recommended updates to Water and Wastewater systems' rates and charges are as follows:

### Water System Rates and Charges

- Implement the rate structure consistent with the 2025 Water System COS Rate Study.
- Increase water rates and charges (meter, volume, elevation surcharge, non-potable/recycled water, and private fire service) by approximately 6.5 percent for FY 2026 and 6.5 percent for FY 2027. These proposed rate changes support the District's

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<sup>1</sup> 1 unit of water = 748 gallons = 1 centum cubic foot (CCF). In the Water system service area, 5 units/month represents the *median* water use. In the wastewater service area, 5 units per month represents *mean* water use.

FY 2026 and FY 2027 operating and capital expenses described in the Proposed Biennial Budget and reflect the results of the 2025 Water System COS Rate Study.

- The impact of these changes to the typical (median) SFR customer (5 units/month) is an increase of \$3.79 per month in FY 2026 and an additional increase of \$4.31 per month in FY 2027.

#### Wastewater System Rates and Charges

- Increase wastewater treatment rates and charges and the WWFC by approximately 8.5 percent overall for FY 2026 and 8.5 percent for FY 2027. These proposed rate changes support the District's proposed FY 2026 and FY 2027 operating and capital expenses described in the Proposed Biennial Budget and reflect the results of the 2019 Wastewater COS rate study.
- For the wastewater treatment charges collected on the bill, the impact to the typical (median) SFR customer (4 units/month) is an increase of \$2.17 per month in FY 2026 and an additional increase of \$2.35 per month in FY 2027.
- For the WWFC collected on the property tax bill, the impact will depend on lot size. In FY 2026 the WWFC will increase between \$12.52 to \$44.70 per year, and in FY 2027 the WWFC will increase between \$13.58 to \$48.50 per year.
- No increase is proposed to the San Francisco Bay Pollution Prevention Fee, which is a fixed monthly charge to fund programs to reduce pollutants in wastewater before it is treated at District facilities and discharged into the San Francisco Bay.

### **DISCUSSION**

#### **Water Rates and Charges**

The District's projected growth in water rate revenue is predominantly based on two factors: changes in rates and projected changes in water consumption. The recommended average annual rate increases are 6.5 percent for FY 2026 and 6.5 percent for FY 2027. The District is projecting water consumption of 143.9 million gallons per day (MGD) in FY 2026 and 144.6 MGD in FY 2027, representing a 0.5 percent annual growth in each year. The average rate increases combined with the assumed consumption levels are projected to generate rate revenue sufficient to cover the expenditures identified in the proposed FY 2026 and FY 2027 Biennial Budget.

#### Water System COS Rate Study

Working with an independent rate consultant, the District has developed a new Water System COS Rate Study. The purpose of a Water System COS Rate Study is to develop a rate structure under which the charges billed to each customer account reflect the cost to serve each parcel and thereby collect the revenue needed by the utility to provide the service. The

Water System COS Rate Study reflects the analysis of conditions during a “Test Year.” FY 2024 was selected as the representative Test Year because it was free from events such as drought, excessive rainfall, pandemic, and other anomalous external factors, and is the most recent complete fiscal year with audited financial information. The Test Year provides a representative set of key factors including operating expenses, capital spending, non-rate revenues, and consumption patterns. The Water System COS Rate Study establishes new rates and charges for the Test Year that, when applied to actual water sales in the Test Year, generate the revenue requirements for that year.

Since the completion of the Test Year (FY 2024), the District increased water rates 8.5 percent beginning on July 1, 2024. The rates established in the 2025 Water System COS Rate Study for the Test Year were increased by the same 8.5 percent to establish a base set of water rates under the Water System COS Rate Study to determine required average rate increases for the following two years, FY 2026 and FY 2027.

#### Water Rate Revenue Requirements for FY 2026 and FY 2027

The FY 2026 and FY 2027 budget objectives, operating budget, capital expenses, and debt expenses are detailed in the Proposed FY 2026 and FY 2027 Biennial Budget and Capital Project Summaries that will be presented to the Board at the March 25, 2025 Budget Workshop No. 2. The proposed operating and capital budgets contribute to the proposed changes to the FY 2026 and FY 2027 water rates and charges in approximately the following proportions:

- Operating – significant increases in expenses such as chemicals, energy, and computer software and licenses, as well as increases in labor and benefits, and additional funded positions drive approximately \$79.4 million in additional required revenue over the two-year period.
- Capital – increases in capital improvement plan and debt service drive approximately \$88.1 million in additional required revenue over the two-year period.

Table 1 shows the calculation of the average annual rate adjustment required over the two-year period between the end of FY 2025 and FY 2027. The overall spending from FY 2025 to FY 2027 is projected to increase by over 28 percent. The District plans to issue bonds to fund a portion of its capital spending in FY 2026 and FY 2027, which spreads the impact of funding the CIP over future years. Absent any rate increases, the District projects a revenue shortfall of \$46.8 million in FY 2026. An average rate increase of 6.5 percent is required to eliminate the FY 2026 shortfall. Taking into account a 6.5 percent average rate increase in FY 2026, the District projects an additional revenue shortfall of \$51.9 million in FY 2027. An average rate increase of 6.5 percent in FY 2027 is required to eliminate the projected FY 2027 shortfall.

**Table 1 - Revenue Shortfalls (In Million \$) Addressed Through Proposed Rate Increase**

| <b>Revenue Requirement</b>            | <b><u>FY 2025</u></b> | <b><u>FY 2026</u></b> | <b><u>FY 2027</u></b> |
|---------------------------------------|-----------------------|-----------------------|-----------------------|
| + O&M Expenses                        | 399.1                 | 456.4                 | 478.5                 |
| + Debt Service Expense                | 253.8                 | 266.3                 | 286.6                 |
| + Capital Expense                     | 543.5                 | 579.5                 | 598.8                 |
| - Other Sources                       | (174.1)               | (148.4)               | (164.9)               |
| - Proceeds from Bond Issues           | (275.0)               | (355.0)               | (345.0)               |
| <b>Revenue requirement</b>            | <b>747.3</b>          | <b>798.9</b>          | <b>854.0</b>          |
| <b>Revenue Adjustment</b>             |                       |                       |                       |
| + Revenue Requirement                 |                       | 798.9                 | 854.0                 |
| - Revenue from Prior Year Rates       |                       | (747.3)               | (798.9)               |
| - Revenue from Change in Water Sales  |                       | (3.0)                 | (3.2)                 |
| <b>Revenue Shortfall</b>              |                       | <b>48.6</b>           | <b>51.9</b>           |
| <b>Average Rate Increase Required</b> |                       | <b>6.5%</b>           | <b>6.5%</b>           |

Recommended FY 2026 and FY 2027 Water Rates and Charges

The District's water rates and charges have five customer classes: single-family residential, multi-family residential, and "all other" (non-residential accounts including commercial and industrial accounts), private fire service, and non-potable/recycled water. Together, the rates and charges are structured to proportionately recover the costs of providing water to each parcel. The District's water rates and charges have five components: Water Volumetric Rate, Water Service Charge, Elevation Surcharge, Private Fire Service Charge, and Recycled Water Volumetric Rate. If the Board of Directors declares a drought, the District may assess a temporary Drought Surcharge applied to the Water Volumetric Rate.

A summary of the proposed rates and charges and the resulting customer impacts are as follows:

**Table 2 - Proposed Water Volumetric Rates and Elevation Surcharges - (\$/Unit)**

| <b>Water Volumetric Rates and Elevation Surcharges (\$/unit)</b> | <b>FY 2025</b> | <b>FY 2026</b> | <b>FY 2027</b> |
|--|----------------|----------------|----------------|
| Single-Family Residential  |                |                |                |
| Tier 1: up to 7 units  | \$5.41         | \$7.89         | \$8.40         |
| Tier 2: over 7, up to 16 units                                   | \$7.44         | \$9.15         | \$9.74         |
| Tier 3: over 16 units  | \$9.83         | \$10.79        | \$11.49        |
| Multi-Family Residential   | \$7.65         | \$8.31         | \$8.85         |
| All Other Accounts (Commercial/Industrial)                       | \$7.62         | \$8.52         | \$9.07         |
| Nonpotable/Recycled Water  | \$5.93         | \$6.37         | \$6.78         |
| Elevation Surcharge (\$/unit)                                    |                |                |                |
| Elevation Zone 1   | \$0.00         | \$0.00         | \$0.00         |
| Elevation Zone 2   | \$1.10         | \$1.25         | \$1.33         |
| Elevation Zone 3   | \$2.27         | \$2.67         | \$2.84         |

**Table 3 - Proposed Monthly Water Service Charges (Meter) - (\$/Meter Size)**

| <b>Monthly Meter Service Charges on Water Bill</b> |                |                |                |
|--|----------------|----------------|----------------|
| <b>Meter Size (in inches)</b>                      | <b>FY 2025</b> | <b>FY 2026</b> | <b>FY 2027</b> |
| 5/8 or 3/4   | \$35.48        | \$26.85        | \$28.60        |
| 1  | \$53.60        | \$40.94        | \$43.60        |
| 1-1/2  | \$98.91        | \$76.14        | \$81.09        |
| 2  | \$153.23       | \$118.37       | \$126.06       |
| 3  | \$298.19       | \$252.14       | \$268.53       |
| 4  | \$461.24       | \$428.13       | \$455.96       |
| 6  | \$914.09       | \$956.12       | \$1,018.27     |
| 8  | \$1,457.58     | \$1,132.11     | \$1,205.70     |
| 10   | \$2,091.61     | \$1,624.90     | \$1,730.52     |
| 12   | \$2,906.86     | \$2,258.49     | \$2,405.29     |
| 14   | \$3,722.02     | \$2,892.07     | \$3,080.05     |
| 16   | \$4,718.40     | \$3,666.46     | \$3,904.78     |
| 18   | \$5,714.75     | \$4,440.84     | \$4,729.49     |

**Table 4 - Proposed Monthly Private Fire Service Charges - (\$/Meter Size)**

| <b>Monthly Private Fire Service Charges on Water Bill</b> |                |                |                |
|---|----------------|----------------|----------------|
| <b>Meter Size<br/>(in inches)</b>                         | <b>FY 2025</b> | <b>FY 2026</b> | <b>FY 2027</b> |
| 5/8 or 3/4  | \$18.88        | \$8.52         | \$9.07         |
| 1   | \$25.95        | \$14.20        | \$15.12        |
| 1-1/2   | \$43.51        | \$28.40        | \$30.25        |
| 2   | \$64.59        | \$45.44        | \$48.39        |
| 3   | \$120.91       | \$99.41        | \$105.87       |
| 4   | \$184.21       | \$170.42       | \$181.50       |
| 6   | \$360.08       | \$383.43       | \$408.35       |
| 8   | \$571.13       | \$454.44       | \$483.98       |
| 10  | \$817.32       | \$653.26       | \$695.72       |
| 12  | \$1,133.86     | \$908.88       | \$967.96       |
| 14  | \$1,450.45     | \$1,164.50     | \$1,240.19     |
| 16  | \$1,837.38     | \$1,476.93     | \$1,572.93     |
| 18  | \$2,224.29     | \$1,789.36     | \$1,905.67     |

**Table 5 – Example Single-Family Residential Customer Monthly Water Bill Impacts with Proposed Rates and Charges**

| <b>Single Family Residential Water Charges on EBMUD Bill (5/8" and 3/4" meters)</b> |                       |                         |                         |                                    |                         |                                    |
|---|-----------------------|-------------------------|-------------------------|------------------------------------|-------------------------|------------------------------------|
|   | <b>Use<br/>(Unit)</b> | <b>FY 2025<br/>Bill</b> | <b>FY 2026<br/>Bill</b> | <b>Change<br/>from FY<br/>2025</b> | <b>FY 2027<br/>Bill</b> | <b>Change<br/>from FY<br/>2026</b> |
| 25 <sup>th</sup> Percentile   | 3<br>(74 GPD)         | \$51.71                 | \$50.52                 | (\$1.19)                           | \$53.80                 | \$3.28                             |
| 50 <sup>th</sup> Percentile<br>(typical/median use)                                 | 5<br>(123 GPD)        | \$62.53                 | \$66.30                 | \$3.77                             | \$70.60                 | \$4.30                             |
| 75 <sup>th</sup> Percentile   | 9<br>(221 GPD)        | \$88.23                 | \$100.38                | \$12.15                            | \$106.88                | \$6.50                             |
| 95 <sup>th</sup> Percentile   | 19<br>(467 GPD)       | \$169.80                | \$196.80                | \$27.00                            | \$209.53                | \$12.73                            |
| Mean Single Family<br>Residential Use   | 7<br>(172 GPD)        | \$73.35                 | \$82.08                 | \$8.73                             | \$87.40                 | \$5.32                             |

**Table 6 – Other Example Customer Monthly Water Bill Impacts with Volumetric Proposed Rates and Charges**

| <b>Multi-Family Residential and Non-Residential Water Charges on Water Bill</b> |                           |                       |                         |                         |                                    |                         |                                    |
|---|---------------------------|-----------------------|-------------------------|-------------------------|------------------------------------|-------------------------|------------------------------------|
|   | <b>Meter<br/>(Inches)</b> | <b>Use<br/>(Unit)</b> | <b>FY 2025<br/>Bill</b> | <b>FY 2026<br/>Bill</b> | <b>Change<br/>from FY<br/>2025</b> | <b>FY 2027<br/>Bill</b> | <b>Change<br/>from FY<br/>2026</b> |
| Multi-Family Residential<br>4 dwellings   | 1                         | 25                    | \$244.85                | \$248.69                | \$3.84                             | \$264.85                | \$16.16                            |
| Multi-Family Residential<br>5+ dwellings  | 1                         | 50                    | \$436.10                | \$456.44                | \$20.34                            | \$486.10                | \$29.66                            |
| Commercial  | 1                         | 50                    | \$434.60                | \$466.94                | \$32.34                            | \$497.10                | \$30.16                            |
| Industrial  | 2                         | 500                   | \$3,963.23              | \$4,378.37              | \$415.14                           | \$4,661.06              | \$282.69                           |

### Drought Surcharge

If the Board declares a drought, EBMUD may assess a temporary Drought Surcharge that is applicable to all potable water customer accounts. The Drought Surcharge corresponds to increasingly severe stages of drought from Stage 1 to 4 and is charged on each unit of water used during the billing period. The surcharge is calculated to recover costs of providing supplemental water, losses of revenue, and other drought-related costs. The Drought Surcharge applies to the potable Water Volumetric Rate as follows: Stage 1-up to 5 percent, Stage 2-up to 10 percent, Stage 3-up to 20 percent, and Stage 4-up to 30 percent. Prior to assessing a Drought Surcharge, EBMUD will adopt a drought budget that reflects the most current and updated drought-related costs.

The surcharge will be developed to be consistent with EBMUD’s updated drought budget and Water System COS Rate Study and will not exceed the Drought Surcharge percentages. Under a Stage 4 drought in FY 2027, the typical (median) single-family residential customer using 5 units of water per month would pay a Drought Surcharge of no more than \$12.60 per month (about \$0.41 a day). The actual surcharge in any drought stage may be less than the maximum rates indicated above, depending on the costs of the drought. The District’s Proposition 218 notice for FY 2026 and FY 2027 includes information regarding these Drought Surcharges.

### **Wastewater Rates and Charges**

The District’s projected growth in wastewater rate revenue is predominantly based on planned average rate increases. The recommended average annual rate increases of 8.5 percent in FY 2026 and 8.5 percent in FY 2027 are projected to generate rate revenue sufficient to cover the expenditures identified in the proposed FY 2026 and FY 2027 Biennial Budget.

### Wastewater System COS Rate Study

Working with an independent rate consultant, the District developed a Wastewater System COS Rate Study in 2019. The structure of the proposed wastewater rates and charges are based on the Wastewater System COS Rate Study.

### Wastewater Rate Revenue Requirements for FY 2026 and FY 2027

The details of the FY 2026 and FY 2027 budget objectives, operating budget, capital expenses, and debt expenses are contained in the Proposed FY 2026 and FY 2027 Biennial Budget and Capital Project Summaries and will be presented to the Board at the March 25, 2025 Budget Workshop No. 2. The proposed operating and capital budgets contribute to the proposed changes to the FY 2026 and FY 2027 wastewater rates and charges as follows:

- Operating – significant increases in expenses such as chemicals, energy as well as increases in labor and benefits, and additional funded positions, drive approximately \$12.7 million in additional required revenue over the two-year period.
- Capital – increases in capital improvement plan and debt service drive approximately \$31.5 million in additional required revenue over the two-year period.

Table 7 shows the calculation of the average annual rate adjustment required over the two-year period between FY 2025 and FY 2027. The overall spending from FY 2025 to FY 2027 is projected to increase by almost 18 percent. The District plans to issue bonds to fund a portion of its planned capital spending in FY 2026 and FY 2027, which spreads the impact of funding the CIP over future years. Absent any rate increases, the District projects a revenue shortfall of \$11.6 million in FY 2026. An average rate increase of 8.5 percent is required to eliminate this shortfall. Taking into account an 8.5 percent average rate increase in FY 2026, the District projects an additional revenue shortfall of \$11.6 million in FY 2027. An average rate increase of 8.5 percent in FY 2027 is required to eliminate the projected FY 2027 shortfall.



**Table 7 – Revenue Shortfalls (In Million \$) Addressed Through Proposed Rate Increases**

| <b>Revenue Requirement</b>            | <b><u>FY 2025</u></b> | <b><u>FY 2026</u></b> | <b><u>FY 2027</u></b> |
|---------------------------------------|-----------------------|-----------------------|-----------------------|
| + O&M Expenses                        | 111.0                 | 118.9                 | 123.7                 |
| + Debt Service Expense                | 32.8                  | 35.7                  | 35.5                  |
| + Capital Expense                     | 59.1                  | 82.9                  | 87.9                  |
| - Other Sources                       | (36.9)                | (50.0)                | (52.0)                |
| - Proceeds from Bond Issues           | (30.0)                | (40.0)                | (35.0)                |
| <b>Revenue Requirement</b>            | <b>136.0</b>          | <b>147.5</b>          | <b>160.1</b>          |
| <b>Revenue Adjustment</b>             |                       |                       |                       |
| + Revenue Requirement                 |                       | 147.5                 | 160.1                 |
| - Revenue from Prior Year Rates       |                       | (136.0)               | (147.5)               |
| <b>Revenue Shortfall</b>              |                       | <b>11.6</b>           | <b>12.5</b>           |
| <b>Average Rate Increase Required</b> |                       | <b>8.5%</b>           | <b>8.5%</b>           |

Recommended FY 2026 and FY 2027 Wastewater Rates and Charges

Wastewater rates and charges have three customer classes in the Wastewater System COS Rate Study: single-family residential, multi-family residential, and non-residential. Non-residential customers are further classified based on the type of business operated. Together, the recommended rates and charges are structured to proportionately recover the costs of providing wastewater to each parcel served by the wastewater system. The rates for the wastewater fees have five components: Treatment Service Charge, Treatment Flow Charge, Treatment Strength Charge, Pollution Prevention Fee, and Wet Weather Facilities Charge.

### Wastewater Treatment Rates and Charges

Table 8 shows the proposed wastewater treatment unit rates that are used to calculate the total wastewater flow and strength charges based on the wastewater discharge characteristics.

**Table 8 - Proposed Wastewater Treatment Unit Rates**

| <b>Wastewater Treatment Unit Rates</b>                        |                |                |                |
|---|----------------|----------------|----------------|
| <b>Unit Rates</b>   | <b>FY 2025</b> | <b>FY 2026</b> | <b>FY 2027</b> |
| Service Charge (\$ per account, per month)                    | \$9.29         | \$10.08        | \$10.94        |
| Flow (\$ per unit - Up to 9 units max., 1 unit = 748 gallons) | \$1.677        | \$1.820        | \$1.975        |
| Strength – COD (\$/pound)                                     | \$0.170        | \$0.184        | \$0.200        |
| Strength – Total Suspended Solids (\$/pound)                  | \$0.702        | \$0.762        | \$0.827        |

Table 9 shows the proposed wastewater treatment charges for residential customers based on the unit rates in Table 8 and the number of dwellings and monthly flow. Table 10 and Table 11 show the proposed wastewater combined flow and strength charge per unit for non-residential customers listed by business classification code (BCC) that is calculated from the unit rates in Table 8. Wastewater customers who have been issued strength permits for unique wastewater strength and flow are charged based on the unit rates in Table 8. Included in the monthly wastewater bill is the San Francisco Bay Pollution Prevention Fee that fund programs to reduce pollutants in wastewater before it is treated at District facilities and discharged into the San Francisco Bay. The San Francisco Bay Pollution Prevention Fee will remain \$0.20 per month per dwelling for residential customers; \$5.48 per month per account for non-residential customers; and \$1.00 per month for multi-family residential customers with five or more units as shown in Table 12. Table 13 shows example resulting customer impacts for the proposed increases for the wastewater treatment bill.

**Table 9 - Proposed Wastewater Service, Flow and Strength Charges for Single-Family Residential and Multi-Family Residential with 2–4 Dwellings**

| <b>Wastewater Treatment Rates &amp; Charges</b>                  |                |                |                |
|--|----------------|----------------|----------------|
| <b>Rate Components</b>   | <b>FY 2025</b> | <b>FY 2026</b> | <b>FY 2027</b> |
| Service Charge (\$ per account, per month)                       | \$9.29         | \$10.08        | \$10.94        |
| Flow (\$ per unit – up to 9 units maximum, 1 unit = 748 gallons) | \$1.68         | \$1.82         | \$1.97         |
| Strength – (\$ per dwelling, per month)                          | \$9.67         | \$10.49        | \$11.38        |

**Table 10 -Proposed Combined Flow and Strength Rates for Non-Residential and Apartment Buildings with 5+ Dwellings**

| <b>Business Classification Code</b>  | <b>FY 2025<br/>Current<br/>Rate per<br/>Unit</b> | <b>FY 2026<br/>Proposed<br/>Rate per<br/>Unit</b> | <b>FY 2027<br/>Proposed<br/>Rate per<br/>Unit</b> |
|--|--|---|---|
| 2010 Meat Products   | \$11.74  | \$12.74   | \$13.82   |
| 2011 Slaughterhouses   | 11.24  | 12.20   | 13.24   |
| 2020 Dairy Product Processing  | 9.21   | 9.99  | 10.84   |
| 2030 Fruit and Vegetable Canning   | 7.41   | 8.04  | 8.72  |
| 2040 Grain Mills   | 7.38   | 8.01  | 8.69  |
| 2050 Bakeries (including Pastries)   | 12.76  | 13.84   | 15.02   |
| 2060 Sugar Processing  | 7.29   | 7.91  | 8.58  |
| 2077 Rendering Tallow  | 22.15  | 24.03   | 26.07   |
| 2080 Beverage Manufacturing & Bottling   | 5.54   | 6.01  | 6.52  |
| 2090 Specialty Foods Manufacturing   | 23.82  | 25.84   | 28.04   |
| 2600 Pulp and Paper Products   | 6.33   | 6.87  | 7.45  |
| 2810 Inorganic Chemicals Mfgr.   | 8.15   | 8.84  | 9.59  |
| 2820 Synthetic Material Manufacturing  | 1.91   | 2.07  | 2.25  |
| 2830 Drug Manufacturing  | 4.11   | 4.46  | 4.84  |
| 2840 Cleaning and Sanitation Products  | 8.31   | 9.02  | 9.79  |
| 2850 Paint Manufacturing   | 16.03  | 17.39   | 18.87   |
| 2893 Ink and Pigment Manufacturing   | 5.80   | 6.29  | 6.82  |
| 3110 Leather Tanning and Finishing   | 22.14  | 24.02   | 26.06   |
| 3200 Earthenware Manufacturing   | 4.50   | 4.88  | 5.29  |
| 3300 Primary Metals Manufacturing  | 3.56   | 3.86  | 4.19  |
| 3400 Metal Products Fabricating  | 2.08   | 2.26  | 2.45  |
| 3410 Drum and Barrel Manufacturing   | 22.54  | 24.46   | 26.54   |
| 3470 Metal Coating   | 2.26   | 2.45  | 2.66  |
| 4500 Air Transportation  | 2.97   | 3.22  | 3.49  |
| 4951 Groundwater Remediation   | 1.74   | 1.89  | 2.05  |
| 5812 Food Service Establishments   | 7.71   | 8.37  | 9.08  |
| 6513 Apartment Buildings (5 or more units)   | 3.75   | 4.07  | 4.42  |
| 7000 Hotels, Motels with Food Service  | 5.55   | 6.02  | 6.53  |
| 7210 Commercial Laundries  | 4.99   | 5.41  | 5.87  |
| 7215 Coin Operated Laundromats   | 3.74   | 4.06  | 4.41  |
| 7218 Industrial Laundries  | 14.17  | 15.37   | 16.68   |
| 7300 Laboratories  | 2.68   | 2.91  | 3.16  |
| 7542 Automobile Washing and Polishing  | 3.55   | 3.85  | 4.18  |
| 8060 Hospitals   | 3.41   | 3.70  | 4.01  |
| 8200 Schools   | 2.51   | 2.72  | 2.95  |
| All Other BCC (includes dischargers<br>of only segregated domestic wastes<br>from sanitary conveniences) | 3.75   | 4.07  | 4.42  |

**Table 11 - Proposed Maximum Blended Flow and Strength Rates for Multi-Use Accounts**

| <b>Business Classification Code</b> |                               | <b>FY 2025<br/>Current Rate<br/>per Unit</b> | <b>FY 2026<br/>Proposed<br/>Rate per<br/>Unit</b> | <b>FY 2027<br/>Proposed<br/>Rate per<br/>Unit</b> |
|-------------------------------------|-------------------------------|--|---|---|
| A                                   | 0-9% Food/91-100% Domestic    | \$3.75                                       | \$4.07  | \$4.42  |
| B                                   | 10-19% Food/81-90% Domestic   | 4.15   | 4.50  | 4.89  |
| C                                   | 20-29% Food/71-80% Domestic   | 4.55   | 4.93  | 5.35  |
| D                                   | 30-39% Food/61-70% Domestic   | 4.94   | 5.36  | 5.82  |
| E                                   | 40-49% Food/51-60% Domestic   | 5.34   | 5.79  | 6.29  |
| F                                   | 50-59% Food/41-50% Domestic   | 5.73   | 6.22  | 6.75  |
| G                                   | 60-69% Food/31-40% Domestic   | 6.13   | 6.65  | 7.22  |
| H                                   | 70-79% Food/21-30% Domestic   | 6.53   | 7.08  | 7.68  |
| I                                   | 80-89% Food/11-20% Domestic   | 6.92   | 7.51  | 8.15  |
| J                                   | 90-99% Food/1-10% Domestic    | 7.32   | 7.94  | 8.62  |
| K                                   | 0-9% Bakery/91-100% Domestic  | 3.75   | 4.07  | 4.42  |
| L                                   | 10-19% Bakery/81-90% Domestic | 4.66   | 5.05  | 5.48  |
| M                                   | 20-29% Bakery/71-80% Domestic | 5.56   | 6.02  | 6.54  |
| N                                   | 30-39% Bakery/61-70% Domestic | 6.46   | 7.00  | 7.60  |
| O                                   | 40-49% Bakery/51-60% Domestic | 7.36   | 7.98  | 8.66  |
| P                                   | 50-59% Bakery/41-50% Domestic | 8.26   | 8.96  | 9.73  |
| Q                                   | 60-69% Bakery/31-40% Domestic | 9.16   | 9.93  | 10.78   |
| R                                   | 70-79% Bakery/21-30% Domestic | 10.06  | 10.91   | 11.84   |
| S                                   | 80-89% Bakery/11-20% Domestic | 10.96  | 11.89   | 12.90   |
| T                                   | 90-99% Bakery/1-10% Domestic  | 11.86  | 12.86   | 13.96   |

**Table 12 – Monthly San Francisco Bay Pollution Prevention Fee**

| <b>Monthly San Francisco Bay Pollution Prevention Fee</b> |                |                |                |
|---|----------------|----------------|----------------|
|   | <b>FY 2025</b> | <b>FY 2026</b> | <b>FY 2027</b> |
| Residential (\$ per dwelling)*                            | \$0.20         | \$0.20         | \$0.20         |
| Non-residential (\$ per account)                          | \$5.48         | \$5.48         | \$5.48         |

\*SF Bay Pollution Prevention Fee for apartments (5 or more dwellings) will remain \$1.00 per month for both FY 2026 and FY 2027.

**Table 13 - Example Customer Monthly Wastewater Treatment Bill Impacts with Proposed Rates, Charges and Fees**

| Wastewater Charges on EBMUD Bill                 |                   |               |                 |                 |                           |                 |                           |
|--|-------------------|---------------|-----------------|-----------------|---------------------------|-----------------|---------------------------|
|  | Meter<br>(Inches) | Use<br>(Unit) | FY 2025<br>Bill | FY 2026<br>Bill | Change<br>from<br>FY 2025 | FY 2027<br>Bill | Change<br>from<br>FY 2026 |
| Typical (median_<br>Single-Family<br>Residential | 5/8               | 4             | \$25.88         | \$28.05         | \$2.17                    | \$30.40         | \$2.35                    |
| Single-Family<br>Residential<br>(maximum)        | 5/8               | 9             | \$34.28         | \$37.15         | \$2.87                    | \$40.25         | \$3.10                    |
| Multi-Family<br>Residential 4 dwellings          | 1                 | 25            | \$90.77         | \$98.34         | \$7.57                    | \$106.51        | \$8.17                    |
| Multi-Family<br>Residential<br>5+dwellings       | 1                 | 50            | \$197.79        | \$214.58        | \$16.79                   | \$232.94        | \$18.36                   |
| Commercial*                                      | 1                 | 50            | \$202.27        | \$219.06        | \$16.79                   | \$237.42        | \$18.36                   |
| Industrial**                                     | 2                 | 500           | \$2,784.77      | \$3,020.56      | \$235.76                  | \$3,276.42      | \$255.86                  |

\*Calculation conducted using the combined strength and flow charge for “All Other Business Classifications”

\*\*Calculation conducted using the combined strength and flow charge for BCC 2080 “Beverage Manufacturing & Bottling”

### Wet Weather Facilities Charge (WWFC)

The WWFC is a charge that is imposed on a property itself. The WWFC pays for costs associated with inflow and infiltration of stormwater into the sanitary sewer system. This annual charge is calculated based on parcel/lot size, which accounts for each parcel's capacity to contribute inflow and infiltration during a wet weather event. The amount of wet weather flows that enter the wastewater system in the form of inflow and infiltration is proportional to the size of the collection system needed to serve each property. For example, larger parcels generally have more wet weather flows that could enter the wastewater system than smaller parcels. For this reason, parcel size is used as a proxy to estimate the size of the collection system to serve each property. Accordingly, the WWFC is structured using three generalized lot sizes (or bins): 0 to 5,000 square feet (sq ft), 5,001 to 10,000 sq ft, and over 10,000 sq ft. The WWFC is based on median lot size for each of these bins, regardless of whether a property is residential or non-residential. Inflow and infiltration of wet weather flows into the wastewater system increases the District’s wastewater related costs because any water that enters the system must be conveyed and treated.

Since the WWFC is based on the property’s propensity to contribute peak wet weather flows and is unrelated to the amount of water used at the property, the District collects the WWFC

on the property tax bill for all parcels that have connections to the local wastewater collection systems within the District's wastewater service area. The WWFC for public agencies that are exempt from property taxes is collected through the District's billing process. As shown in Table 14, the proposed WWFC will increase 8.5 percent in FY 2026 and 8.5 percent in FY 2027.

**Table 14 - Proposed Annual Wet Weather Facilities Charge - (\$/Lot Size)**

| <b>Proposed Wet Weather Facilities Charge on Property Tax Bill (\$/Lot Size)</b> |                         |                         |                                    |                         |                                    |
|--|-------------------------|-------------------------|------------------------------------|-------------------------|------------------------------------|
|  | <b>FY 2025<br/>Bill</b> | <b>FY 2026<br/>Bill</b> | <b>Change<br/>from FY<br/>2025</b> | <b>FY 2027<br/>Bill</b> | <b>Change<br/>from FY<br/>2026</b> |
| Small Lot<br>0 - 5,000 sq. ft.   | \$147.38                | \$159.90                | \$12.52                            | \$173.48                | \$13.58                            |
| Medium Lot<br>5,001 – 10,000 sq. ft.   | \$230.16                | \$249.72                | \$19.56                            | \$270.94                | \$21.22                            |
| Large Lot<br>>10,000 sq. ft.   | \$526.00                | \$570.70                | \$44.70                            | \$619.20                | \$48.50                            |

CCC:SDS:pag

# **EXHIBIT F**



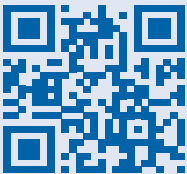
# Notice of Public Hearing

## PROPOSED CHANGES TO WATER AND WASTEWATER RATES

**Regular Board meeting begins at 1:15 p.m. Tuesday, June 10, 2025**  
**EBMUD Board Room, 375 11th Street, Oakland, CA**  
**SEE INSIDE FOR DETAILS**

On Tuesday, June 10, 2025, the East Bay Municipal Utility District (EBMUD) Board of Directors will consider proposed changes to EBMUD water and wastewater rates at a public hearing scheduled for 1:15 p.m. If approved by the Board, the Fiscal Year 2026 (FY2026) rates would take effect July 1, 2025; Fiscal Year 2027 (FY2027) rates would take effect July 1, 2026.

Depending on where your property is located, your EBMUD bill may include charges imposed by other local agencies, such as sewer charges. This notice pertains only to water and wastewater rates imposed by EBMUD. EBMUD is a not-for-profit utility. EBMUD’s rates directly finance the East Bay’s water and wastewater systems. Rate revenue is supplemented by bond funds, hydropower sales, grants, new connections fees, and other revenue sources.



Want to learn more about EBMUD’s rates? Attend our **Water Wednesday Webinar: Investing in the Future, the Proposed Budget, Rates, and Charges** on Wednesday, May 21, 2025 at 6:00 p.m.

See [ebmud.com/rates](https://ebmud.com/rates) for web access details.

# Proposed Water & Wastewater Rates

EBMUD is proposing to change the rates for its water and wastewater charges based on its most recent cost-of-service (COS) rate studies. The proposed changes to the current rates are listed in this notice. **Impacts to a customer’s bill depends on water use and other factors. For example, a single-family household using 125 gallons of water per day would see an increase of \$3.77 per month in water charges (about 12¢ a day). The same customer, if receiving wastewater service, would see an increase of \$2.31 per month (or 8¢ a day) in wastewater charges.**

The table below shows example impacts of the proposed rates on the monthly charges for single-family customers over a range of water and wastewater use. Most customers are billed on a *bimonthly* basis so charges on the bill will be approximately double those shown below.

For FY2026–FY2027, EBMUD proposes rates to:

1. Operate and maintain the water and wastewater systems and address increased costs for energy, chemicals, and labor.
2. Accelerate investment in the critical water and wastewater systems for our next century of service. New investments in our system make up almost half of EBMUD’s expenditures. Infrastructure investments enable us to adapt to climate change, preserve water quality, and renew infrastructure.
3. Meet increasingly more stringent water and wastewater environmental regulations that seek to address emerging contaminants.
4. Maintain financial stability through the strategic use of debt.

# Example Impacts on Single-Family Residential Monthly Charges\*

| Residential Service                                | Current Rates | Proposed Rates<br>As of July 1, 2025 | Change  | Proposed Rates<br>As of July 1, 2026 | Change  |
|--|---------------|--------------------------------------|---------|--------------------------------------|---------|
| <b>Water†</b>                                      |               |                                      |         |                                      |         |
| 25th Percentile – 3 units (~ 75 gallons per day)   | \$51.71       | \$50.52                              | -\$1.19 | \$53.80                              | \$3.28  |
| 50th Percentile – 5 units (~ 125 gallons per day)  | \$62.53       | \$66.30                              | \$3.77  | \$70.60                              | \$4.30  |
| 75th Percentile – 9 units (~ 225 gallons per day)  | \$88.23       | \$100.38                             | \$12.15 | \$106.88                             | \$6.50  |
| 95th Percentile – 19 units (~ 475 gallons per day) | \$169.80      | \$196.80                             | \$27.00 | \$209.53                             | \$12.73 |
| Mean – 7 units (~ 175 gallons per day)             | \$73.35       | \$82.08                              | \$8.73  | \$87.40                              | \$5.32  |
| <b>Wastewater Treatment‡</b>                       |               |                                      |         |                                      |         |
| Typical (median) – 4 units (~ 100 gallons per day) | \$25.88       | \$28.05                              | \$2.17  | \$30.40                              | \$2.35  |
| Maximum – 9 units (~ 225 gallons per day)          | \$34.28       | \$37.15                              | \$2.87  | \$40.25                              | \$3.10  |

\* EBMUD bills most of its customers bimonthly (once every two months) for water use and wastewater discharge in units of centum cubic feet (CCF). 1 CCF = 748 gallons = 1 unit.

† Using 5/8" or 3/4" water meter, which is typical for single-family residential homes.

‡ EBMUD provides wastewater treatment service for customers in Alameda, Albany, Berkeley, Emeryville, Oakland, Piedmont, and the Stege Sanitary District (El Cerrito, Kensington, and part of Richmond).



# Basis for Calculating the Proposed Rates and Charges

The proposed rates and charges are consistent with EBMUD’s cost of service (COS) rate studies for the water and wastewater systems. For further details about how the rates and charges are developed, visit [ebmud.com/rates](http://ebmud.com/rates). Documents comprising the District’s written basis for the proposed changes to the water and wastewater service charges are available at [ebmud.com/rates](http://ebmud.com/rates). A printed copy of the written basis will be mailed to a party upon request and will be available at the District’s Office of the Secretary for review.

The map on the reverse page depicts both the water and wastewater service areas. EBMUD provides wastewater treatment service for customers in Alameda, Albany, Berkeley, Emeryville, Oakland, Piedmont, and the Stege Sanitary District (El Cerrito, Kensington, and part of Richmond).

## EBMUD’s Water Charges have four components:

- 1. Water Service Charge:** The Water Service Charge is based on the meter size of the property receiving water service and is calculated to recover a portion of EBMUD’s costs, including meter reading, billing, repairs, maintenance of meters and water laterals, customer service, and other administrative costs.
- 2. Water Flow Charge:** The Water Flow Charge is calculated per unit of water delivered to a property. It recovers a portion of EBMUD’s costs, including water supply, treatment and distribution costs. For single-family residential customers, the charge consists of three tiers with increasingly higher rates per unit of water to reflect a higher cost of service.
- 3. Elevation Surcharge:** The Elevation Surcharge is calculated to recover the cost of power and facility costs required to pump water to higher elevations.
- 4. Private Fire Service Charge:** A Private Fire Service Charge is applicable to properties that have private fire service connections. It recovers EBMUD’s costs for providing service to private fire service meters.

Together the components of the water charges are structured to proportionately recover the costs of providing water service.

If the EBMUD Board of Directors declares a drought, EBMUD may assess a temporary Drought Surcharge that is applicable to all potable water customer accounts. The Drought Surcharge corresponds to increasingly severe stages of drought from Stage 1 to 4 and is charged on each unit of water used during the billing period. The surcharge is calculated to recover costs of providing supplemental water, losses of revenue, and other drought-related costs. The Drought Surcharge applies to the potable Water Volumetric Rate as follows: Stage 1-up to 5%, Stage 2-up to 10%, Stage 3-up to 20%, and Stage 4-up to 30%. Prior to assessing a Drought Surcharge, EBMUD will adopt a drought budget that reflects the most current and updated drought-related costs.

The surcharge will be developed to be consistent with EBMUD’s updated drought budget and COS rate study and will not exceed the Drought Surcharge percentages. The maximum Drought Surcharge in terms of dollars per unit of water used that could be added to the Water Volumetric Rate during a Stage 4 drought and would be: Single-Family Residential Tier 1: \$2.37 (FY2026), \$2.52 (FY2027); Tier 2: \$2.75 (FY2026), \$2.92 (FY2027); Tier 3: \$3.24 (FY2026), \$3.45 (FY2027); Multi-Family Residential \$2.49 (FY2026), \$2.66 (FY2027); All Other \$2.56 (FY2026), \$2.72 (FY2027). Under a Stage 4 drought in Fiscal Year 2027, the typical single-family residential customer using 5 units of water per month would pay a Drought Surcharge of no more than \$12.60 per month (about 41¢ a day). The actual surcharge in any drought stage may be less than the maximum rates indicated above, depending on the costs of the drought.

## Monthly Service Charge

\$ per meter size\*

FY2026-Proposed Effective July 1, 2025 • FY2027-Proposed Effective July 1, 2026

| Meter Size<br>(in inches) | Current       |                      | FY2026        |                      | FY2027        |                      |
|---------------------------|---------------|----------------------|---------------|----------------------|---------------|----------------------|
|                           | Water Service | Private Fire Service | Water Service | Private Fire Service | Water Service | Private Fire Service |
| 5/8 or 3/4                | \$35.48       | \$18.88              | \$26.85       | \$8.52               | \$28.60       | \$9.07               |
| 1                         | \$53.60       | \$25.95              | \$40.94       | \$14.20              | \$43.60       | \$15.12              |
| 1-1/2                     | \$98.91       | \$43.51              | \$76.14       | \$28.40              | \$81.09       | \$30.25              |
| 2                         | \$153.23      | \$64.59              | \$118.37      | \$45.44              | \$126.06      | \$48.39              |
| 3                         | \$298.19      | \$120.91             | \$252.14      | \$99.41              | \$268.53      | \$105.87             |
| 4                         | \$461.24      | \$184.21             | \$428.13      | \$170.42             | \$455.96      | \$181.50             |
| 6                         | \$914.09      | \$360.08             | \$956.12      | \$383.43             | \$1,018.27    | \$408.35             |
| 8                         | \$1,457.58    | \$571.13             | \$1,132.11    | \$454.44             | \$1,205.70    | \$483.98             |
| 10                        | \$2,091.61    | \$817.32             | \$1,624.90    | \$653.26             | \$1,730.52    | \$695.72             |
| 12                        | \$2,906.86    | \$1,133.86           | \$2,258.49    | \$908.88             | \$2,405.29    | \$967.96             |
| 14                        | \$3,722.02    | \$1,450.45           | \$2,892.07    | \$1,164.50           | \$3,080.05    | \$1,240.19           |
| 16                        | \$4,718.40    | \$1,837.38           | \$3,666.46    | \$1,476.93           | \$3,904.78    | \$1,572.93           |
| 18                        | \$5,714.75    | \$2,224.29           | \$4,440.84    | \$1,789.36           | \$4,729.49    | \$1,905.67           |

\* Most single-family residential customers are served by a 5/8" or 3/4" meter. To check your meter size, see your EBMUD bill.

## Water Flow Charge

\$ per unit per month (1 unit = 748 gallons)

FY2026-Proposed Effective July 1, 2025 • FY2027-Proposed Effective July 1, 2026

| Category and Tiers               | Current Water Volumetric Rate | FY2026 Water Volumetric Rate | FY2027 Water Volumetric Rate |
|----------------------------------|-------------------------------|------------------------------|------------------------------|
| <b>Single-Family Residential</b> |                               |                              |                              |
| TIER 1: up to 7 units†           | \$5.41                        | \$7.89                       | \$8.40                       |
| TIER 2: over 7, up to 16 units†  | \$7.44                        | \$9.15                       | \$9.74                       |
| TIER 3: over 16 units†           | \$9.83                        | \$10.79                      | \$11.49                      |
| <b>Multi-Family Residential</b>  | \$7.65                        | \$8.31                       | \$8.85                       |
| <b>All Other Accounts</b>        | \$7.62                        | \$8.52                       | \$9.07                       |
| <b>Nonpotable/Recycled Water</b> | \$5.93                        | \$6.37                       | \$6.78                       |

† 7 units = 172 gallons per day, 16 units = 393 gallons per day.

## Elevation Surcharge

\$ per unit per month (1 unit = 748 gallons)\*

FY2026-Proposed Effective July 1, 2025 • FY2027-Proposed Effective July 1, 2026

| ELEVATION BAND 1 |        |        | ELEVATION BAND 2 |        |        | ELEVATION BAND 3 |        |        |
|------------------|--------|--------|------------------|--------|--------|------------------|--------|--------|
| Current          | FY2026 | FY2027 | Current          | FY2026 | FY2027 | Current          | FY2026 | FY2027 |
| \$0.00           | \$0.00 | \$0.00 | \$1.10           | \$1.25 | \$1.33 | \$2.27           | \$2.67 | \$2.84 |

\* To check your elevation band, see your EBMUD bill.

EBMUD’s Wastewater Charges have five components:

1. **Wastewater Service Charge:** The Wastewater Service Charge is a monthly charge per account and is calculated to recover a portion of EBMUD’s costs of providing wastewater services.

2. **Wastewater Flow Charge:** The Wastewater Flow Charge is based on a customer’s metered water use. The charge recovers a portion of EBMUD’s costs of providing wastewater services.

3. **Wastewater Strength Charge:** The Wastewater Strength Charge is based on the estimated amount of waste constituents that a customer discharges into the sewer system and is calculated to recover EBMUD’s costs of treating such waste constituents. As residential customers’ discharge of wastewater strength is fairly homogeneous, the strength charge is the same for all residential customers residing in buildings with fewer than 5 dwellings. For non-residential customers and for buildings with more than 5 dwellings, the amount of wastewater strength discharged varies significantly with the amount of flow, so the strength charge is assessed based on the metered water use and strength estimates for the type of business operated.
4. **SF Bay Pollution Prevention Fee:** The San Francisco Bay Pollution Prevention Fee is a monthly charge that recovers EBMUD’s cost to administer pollution prevention programs required by EBMUD’s wastewater discharge permit.

5. **Wet Weather Facilities Charge (collected on the property tax bill):** The Wet Weather Facilities Charge pays for costs associated with inflow and infiltration of stormwater into the sanitary sewer system. This annual charge is calculated based on parcel/lot size to account for each lot’s capacity to contribute inflow and infiltration during a wet weather event.

Wastewater Service, Flow and Strength Charges for Single-Family Residential and Multi-Family Residential with 2–4 Dwellings

FY2026-Proposed Effective July 1, 2025 • FY2027-Proposed Effective July 1, 2026

| Description  | Current | FY2026  | FY2027  |
|--|---------|---------|---------|
| Service Charge (\$ per account, per month)                           | \$9.29  | \$10.08 | \$10.94 |
| Flow Charge (\$ per unit - Up to 9 units max., 1 unit = 748 gallons) | \$1.68  | \$1.82  | \$1.97  |
| Strength Charge (\$ per dwelling, per month)                         | \$9.67  | \$10.49 | \$11.38 |
| SF Bay Pollution Prevention Fee (\$ per dwelling, per month)         | \$0.20  | \$0.20  | \$0.20  |

Public Hearing, Protest and Objection Procedures

On Tuesday, June 10, 2025, at the regular Board meeting that begins at 1:15 p.m., the Board of Directors will hold a public hearing on the proposed changes to the water and wastewater rates in the EBMUD Boardroom, 375 11th Street, Oakland, California, 94607-4240. EBMUD board meetings are livestreamed on EBMUD’s website at [ebmud.com/boardmeetings](http://ebmud.com/boardmeetings). A link for virtual participation in board meetings is made available 72 hours prior to regular board meetings on the same webpage.

Public Comment and Participation:

The EBMUD Board of Directors will hear oral comments and consider all Protests, Objections and staff responses to Objections at the public hearing. Oral comments at the public hearing will be recorded in the public record of the hearing but will not be counted as a Protest or Objection. Only written protests and written objections will be counted as formal Protests under Proposition 218. At the conclusion of the public hearing, the Board will consider adopting the proposed water and wastewater rates described in this notice. The Board may impose the proposed rates if timely written Protests are not submitted by property owners or customers of record on behalf of a majority of the parcels affected by the proposed changes.

Protest Procedure (Cal. Const., art. XIII D, § 6(a)):

The owner of record of any parcel upon which the water and wastewater rates are proposed for imposition, or a customer of record who is not the property owner (e.g., a tenant), may submit a written Protest to one or more proposed rate changes (“Protest”); however, only one Protest will be counted per identified parcel. Any Protest must:

- (1) state the specific rate change for which the Protest is being submitted;
- (2) provide the location of the identified parcel (by customer account number, street address, or assessor’s parcel number); and (3) include the name and signature of the party submitting the Protest.

If a party is protesting one or more proposed rate changes, the party should identify the rate or rates that is being protested. All Protests must be received by EBMUD prior to the conclusion of the public comment portion of the public hearing.

Protests must be mailed to EBMUD, ATTN: Director of Finance, MS 218, PO Box 24055, Oakland, CA 94623-1055 or delivered in person at 375 11th Street, Oakland, CA, 94607-4240. Protests submitted by email, fax, or other means will not be accepted as a Protest.

Separate Exhaustion of Administrative Remedies Procedure (Gov. Code § 53759.1):

The owner of record of any parcel upon which the water and wastewater rates are proposed for imposition, or a customer of record who is not the property owner (e.g., a tenant), may submit a written objection (“Objection”) to the District. Any Objection must:

- (1) state the specific rate change for which the Objection is being submitted;
- (2) provide the location of the identified parcel (by customer account number, street address, or assessor’s parcel number); (3) include the name and signature of the party submitting the Objection; (4) indicate the submission is an Objection; and (5) specify the grounds for alleging the District’s noncompliance with Proposition 218. Please note the specified grounds must be sufficiently detailed to allow the District to determine whether alterations to the proposed rate changes are needed. By way of example, an Objection stating a proposed rate change violates Proposition 218, without providing detail explaining the basis for this claim, is insufficient.

Objections must be received by 11:59 p.m. on Monday, June 2, 2025. Failure to timely submit an Objection will bar any right to challenge the fee or charge through a legal proceeding. All timely Objections received will also be counted as a Protest. Any Objection received after 11:59 p.m. on Monday, June 2, 2025 and before the close of the public comment portion of the public hearing will only be considered and counted as a Protest.

Objections must be mailed to EBMUD, ATTN: Director of Finance, MS 218, PO Box 24055, Oakland, CA 94623-1055 or delivered in person at 375 11th Street, Oakland, CA, 94607-4240. Objections submitted by email, fax, or other means will not be accepted as an Objection.

# Wastewater Service, Flow and Strength Charges for Non-Residential and Apartment Buildings with 5+ Dwellings

\$ per unit (1 unit = 748 gallons) • FY2026-Proposed Effective July 1, 2025 • FY2027-Proposed Effective July 1, 2026

|  | Current                           | FY2026  | FY2027  |  | Current  | FY2026  | FY2027                  |
|--|-----------------------------------|---------|---------|--|----------|---|-------------------------|
| Service Charge (\$ per account, per month)   | \$9.29                            | \$10.08 | \$10.94 | SF Bay Pollution Prevention Fee (\$ per acct.)*                                      | \$5.48   | \$5.48  | \$5.48                  |
| Combined Strength and Flow Charges by Business Classification Code (BCC) \$ per unit |                                   |         |         | Combined Strength and Flow Charges by Business Classification Code (BCC) \$ per unit |          |   |                         |
| 2010   | Meat Products                     | \$11.74 | \$12.74 | \$13.82  |          |   |                         |
| 2011   | Slaughterhouses                   | \$11.24 | \$12.20 | \$13.24  |          | <b>All Other Business Classifications†</b>                    | \$3.75 \$4.07 \$4.42    |
| 2020   | Dairy Product Processing          | \$9.21  | \$9.99  | \$10.84  |          |   |                         |
| 2030   | Fruit and Vegetable Canning       | \$7.41  | \$8.04  | \$8.72   |          | <b>Multi-Use Accounts‡</b>                                    |                         |
| 2040   | Grain Mills                       | \$7.38  | \$8.01  | \$8.69   |          | Food Service, Bakery, and Domestic                            |                         |
| 2050   | Bakeries (including Pastries)     | \$12.76 | \$13.84 | \$15.02  | <b>A</b> | 0-9% Food, 91-100% Domestic                                   | \$3.75 \$4.07 \$4.42    |
| 2060   | Sugar Processing                  | \$7.29  | \$7.91  | \$8.58   | <b>B</b> | 10-19% Food, 81-90% Domestic                                  | \$4.15 \$4.50 \$4.89    |
| 2077   | Rendering Tallow                  | \$22.15 | \$24.03 | \$26.07  | <b>C</b> | 20-29% Food, 71-80% Domestic                                  | \$4.55 \$4.93 \$5.35    |
| 2080   | Beverage Manufacturing/Bottling   | \$5.54  | \$6.01  | \$6.52   | <b>D</b> | 30-39% Food, 61-70% Domestic                                  | \$4.94 \$5.36 \$5.82    |
| 2090   | Specialty Foods Manufacturing     | \$23.82 | \$25.84 | \$28.04  | <b>E</b> | 40-49% Food, 51-60% Domestic                                  | \$5.34 \$5.79 \$6.29    |
| 2600   | Pulp and Paper Products           | \$6.33  | \$6.87  | \$7.45   | <b>F</b> | 50-59% Food, 41-50% Domestic                                  | \$5.73 \$6.22 \$6.75    |
| 2810   | Inorganic Chemicals Manufacturing | \$8.15  | \$8.84  | \$9.59   | <b>G</b> | 60-69% Food, 31-40% Domestic                                  | \$6.13 \$6.65 \$7.22    |
| 2820   | Synthetic Material Manufacturing  | \$1.91  | \$2.07  | \$2.25   | <b>H</b> | 70-79% Food, 21-30% Domestic                                  | \$6.53 \$7.08 \$7.68    |
| 2830   | Drug Manufacturing                | \$4.11  | \$4.46  | \$4.84   | <b>I</b> | 80-89% Food, 11-20% Domestic                                  | \$6.92 \$7.51 \$8.15    |
| 2840   | Cleaning and Sanitation Products  | \$8.31  | \$9.02  | \$9.79   | <b>J</b> | 90-99% Food, 1-10% Domestic                                   | \$7.32 \$7.94 \$8.62    |
| 2850   | Paint Manufacturing               | \$16.03 | \$17.39 | \$18.87  | <b>K</b> | 0-9% Bakery, 91-100% Domestic                                 | \$3.75 \$4.07 \$4.42    |
| 2893   | Ink and Pigment Manufacturing     | \$5.80  | \$6.29  | \$6.82   | <b>L</b> | 10-19% Bakery, 81-90% Domestic                                | \$4.66 \$5.05 \$5.48    |
| 3110   | Leather Tanning and Finishing     | \$22.14 | \$24.02 | \$26.06  | <b>M</b> | 20-29% Bakery, 71-80% Domestic                                | \$5.56 \$6.02 \$6.54    |
| 3200   | Earthenware Manufacturing         | \$4.50  | \$4.88  | \$5.29   | <b>N</b> | 30-39% Bakery, 61-70% Domestic                                | \$6.46 \$7.00 \$7.60    |
| 3300   | Primary Metals Manufacturing      | \$3.56  | \$3.86  | \$4.19   | <b>O</b> | 40-49% Bakery, 51-60% Domestic                                | \$7.36 \$7.98 \$8.66    |
| 3400   | Metal Products Fabricating        | \$2.08  | \$2.26  | \$2.45   | <b>P</b> | 50-59% Bakery, 41-50% Domestic                                | \$8.26 \$8.96 \$9.73    |
| 3410   | Drum and Barrel Manufacturing     | \$22.54 | \$24.46 | \$26.54  | <b>Q</b> | 60-69% Bakery, 31-40% Domestic                                | \$9.16 \$9.93 \$10.78   |
| 3470   | Metal Coating                     | \$2.26  | \$2.45  | \$2.66   | <b>R</b> | 70-79% Bakery, 21-30% Domestic                                | \$10.06 \$10.91 \$11.84 |
| 4500   | Air Transportation                | \$2.97  | \$3.22  | \$3.49   | <b>S</b> | 80-89% Bakery, 11-20% Domestic                                | \$10.96 \$11.89 \$12.90 |
| 4951   | Groundwater Remediation           | \$1.74  | \$1.89  | \$2.05   | <b>T</b> | 90-99% Bakery, 1-10% Domestic                                 | \$11.86 \$12.86 \$13.96 |
| 5812   | Food Service Establishments       | \$7.71  | \$8.37  | \$9.08   |          |   |                         |
| 6513   | Apartment Buildings (5+ units)§   | \$3.75  | \$4.07  | \$4.42   |          |   |                         |
| 7000   | Hotels, Motels with Food Service  | \$5.55  | \$6.02  | \$6.53   |          |   |                         |
| 7210   | Commercial Laundries              | \$4.99  | \$5.41  | \$5.87   |          |   |                         |
| 7215   | Coin Operated Laundromats         | \$3.74  | \$4.06  | \$4.41   |          | <b>Flow Charges and Strength Charges for Permit Accounts#</b> |                         |
| 7218   | Industrial Laundries              | \$14.17 | \$15.37 | \$16.68  |          | Flow Charge per unit per month                                | \$1.68 \$1.83 \$1.99    |
| 7300   | Laboratories                      | \$2.68  | \$2.91  | \$3.16   |          | Strength Charge per pound                                     |                         |
| 7542   | Automobile Washing/Polishing      | \$3.55  | \$3.85  | \$4.18   |          | Chemical Oxygen Demand  | \$0.17 \$0.19 \$0.21    |
| 8060   | Hospitals                         | \$3.41  | \$3.70  | \$4.01   |          | Total Suspended Solids  | \$0.71 \$0.78 \$0.85    |
| 8200   | Schools                           | \$2.51  | \$2.72  | \$2.95   |          |   |                         |

\* SF Bay Pollution Prevention Fee for apartments (5 or more dwellings) will be \$1.00 per month for both FY2026 and FY2027.

† Includes dischargers of only segregated domestic wastes from sanitary conveniences.

‡ If you have a Multi-Use account, EBMUD sent you a letter when your account was established noting the calculated percentage of domestic and food service/bakery use, which can be used in conjunction with this table to determine your blended maximum rate. If you have any questions, please contact EBMUD Customer Service 1-866-403-2683.

§ Minimum combined monthly service, flow and strength charges for 6513 Apartment Buildings (5 or more dwellings) is currently \$57.64 and is proposed to increase to \$62.53 (FY2026) and \$67.84 (FY2027).

# Existing wastewater unique strength permit customers will receive information with this notice on how the proposed flow and strength charges will impact their FY2026 and FY2027 wastewater bill.

## Annual Wet Weather Facilities Charge

\$ per lot • FY2026–Proposed Effective July 1, 2025 • FY2027–Proposed Effective July 1, 2026 • Collected on the property tax bill • For properties that do not receive a property tax bill, charges will be billed directly to the property owner.

| Current                    |                                  |                            | FY2026                     |                                  |                            | FY2027                     |                                  |                            |
|----------------------------|----------------------------------|----------------------------|----------------------------|----------------------------------|----------------------------|----------------------------|----------------------------------|----------------------------|
| Small lot<br>0–5,000 sq ft | Medium lot<br>5,001–10,000 sq ft | Large lot<br>>10,000 sq ft | Small lot<br>0–5,000 sq ft | Medium lot<br>5,001–10,000 sq ft | Large lot<br>>10,000 sq ft | Small lot<br>0–5,000 sq ft | Medium lot<br>5,001–10,000 sq ft | Large lot<br>>10,000 sq ft |
| \$147.38                   | \$230.16                         | \$526.00                   | \$159.90                   | \$249.72                         | \$570.70                   | \$173.48                   | \$270.94                         | \$619.20                   |



EBMUD remains committed to its role as an essential public partner responsible for managing the critical infrastructure that allows our communities to thrive.

This map illustrates the geographical distribution of water and wastewater services in the East Bay Area. The legend indicates that the solid blue regions represent the Water Service Area, while the hatched blue regions represent the Wastewater Service Area. The map includes labels for major cities and towns, as well as surrounding bodies of water and reservoirs.

**Water Service Area (Solid Blue):**

- Pinole
- San Pablo
- El Sobrante
- Richmond
- El Cerrito
- Kensington
- Albany
- Berkeley
- Orinda
- Lafayette
- Walnut Creek
- Alamo
- Danville
- San Ramon
- Castro Valley
- San Leandro

**Wastewater Service Area (Hatched Blue):**

- Piedmont
- Alameda
- Oakland

**Geographical Features:**

- Bodies of Water:** SAN PABLO BAY, SUISUN BAY, SAN FRANCISCO BAY, San Francisco.
- Reservoirs:** San Pablo Reservoir, Briones Reservoir, Lafayette Reservoir, Upper San Leandro Reservoir, Chabot Reservoir.





## Notice of Public Hearing: Proposed Changes to Water and Wastewater Rates

REGULAR BOARD MEETING BEGINS AT 1:15 p.m.  
TUESDAY, JUNE 10, 2025  
375 11TH STREET, OAKLAND, CA 94607-4240

For more information about the proposed Fiscal Year 2026 and Fiscal Year 2027 budget, rates, and charges for water and wastewater services, or about how to save water, contact us at

若要更多關於2026—2027財政年度預算、用水及排污費提案或如何節約用水的資訊，請用下列網址或電話

Para más información sobre propuestos cambios a las tarifas y servicios de agua y aguas residuales para los años fiscales 2026 y 2027, o sobre cómo ahorrar agua, contactenos a

[ebmud.com/rates](http://ebmud.com/rates) • 1-866-403-2683

FLORENCE WATERS  
1243 PIPELINE ST  
OAKLAND, CA 94607-1234

*If you are not responsible for paying an EBMUD bill,  
please forward this notice to the EBMUD account holder  
or property owner.*

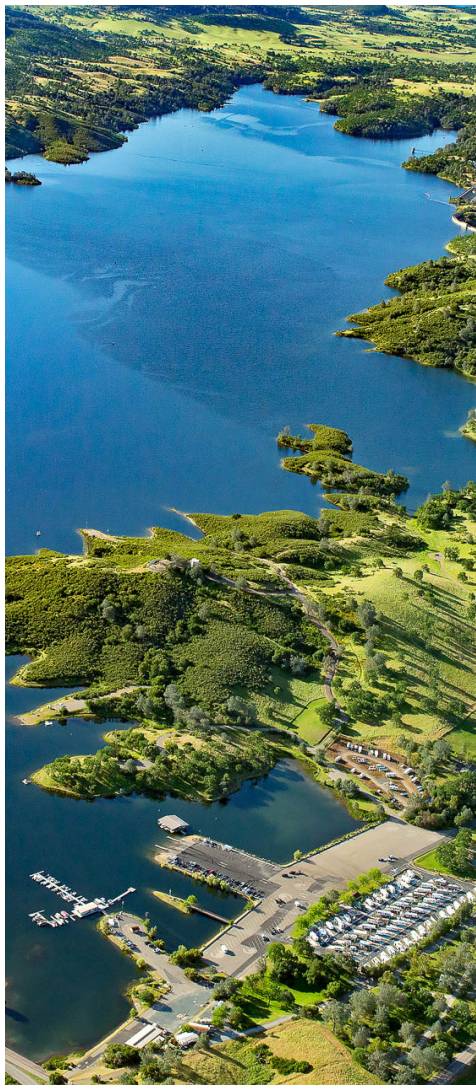
# Need help with your EBMUD bill?



Most customers are billed bimonthly for the previous two-months water use. Scan the QR code to learn how to read your EBMUD bill.

EBMUD ensures reliable water services for 1.4 million people and wastewater treatment for 740,000 people in the East Bay. EBMUD is committed to ensuring fair and reasonable rates. If you have trouble paying your EBMUD bill, please contact us right away.

**For qualifying customers, EBMUD offers discounted rates through the Customer Assistance Program.** Call 866-403-2683, Monday–Friday, 8:00 a.m.–4:30 p.m., or visit [ebmud.com/assistance](http://ebmud.com/assistance) for payment plans, extensions, and other resources.





# BOARD ACTION

|                |     |               |               |
|----------------|-----|---------------|---------------|
| Agenda Number: | 18. | Meeting Date: | June 10, 2025 |
|----------------|-----|---------------|---------------|

**TITLE**                      **REVISIONS TO WATER AND WASTEWATER RATES, CHARGES, FEES NOT SUBJECT TO PROPOSITION 218 FOR FISCAL YEAR 2026 AND TO SELECT REGULATIONS**

**ACTION**                      ☐ Motion:                                      ☒ Resolution:                                      ☐ Ordinance:

**RECOMMENDED ACTION**                      Adopt the rates, charges, and other fees not subject to Proposition 218 for Fiscal Year (FY) 2026 and the revisions to select regulations as recommended in the Report and Recommendation of the General Manager – Revisions to the Water and Wastewater Schedules of Rates, Charges, and Fees Not Subject to Proposition 218 for Fiscal Year FY 2026 and to Select Regulations, filed with the Board of Directors on May 13, 2025.


**SUMMARY**                      The recommended action revises rates, charges, fees for FY 2026 not subject to Proposition 218, as presented in the Report and Recommendation of the General Manager for Revisions to the Water and Wastewater Schedules of Rates and Charges Not Subject to Proposition 218 for Fiscal Year (FY) 2026 and to Select Regulations, filed with the Board on May 13, 2025. The Public Hearing on the proposed changes to Water and Wastewater rates, charges, and fees not subject to Proposition 218 is scheduled for the June 10, 2025 Board meeting. The recommended action also revises select regulations within the District’s Regulations Governing Water Service.

**DISCUSSION**                      The recommended changes to the rates, charges, and fees for FY 2026 not subject to Proposition 218, and to select regulations are summarized below and included in the Appendices to the attached resolution as:

## **Appendix A**

### Water System Schedules of Rates, Charges, and Fees

- Schedule B – Account Establishment Charge
- Schedule C – Charges for Special Services
- Schedule D – Water Service Installation Charges
- Schedule E – Private Fire Service Installation Charges
- Schedule F – Public Fire Hydrant Installation Charges
- Schedule G – Water Main Extension Charges
- Schedule H – Standard Participation Charge (SPC)
- Schedule J – System Capacity Charge (SCC)
- Schedule N – Water Demand Mitigation Fees

|  |   |                          |   |
|--|---|--------------------------|---|
| <b>Originating Department:</b><br>Finance  | <b>Department Director or Manager:</b><br>Sophia D. Skoda | <b>CEP Forms?</b><br>N/A | <b>Board Action Type:</b><br>Financial  |
| <b>Funds Available:</b><br>N/A   | <b>Budget Coding:</b><br>N/A                              |                          | <b>Approved:</b><br> |
| <b>Attachment(s):</b><br>Appendix A – Water System Schedule of Rates, Charges, and Fees; Wastewater System Schedules of Rates, Charges, and Fees; Other Fees; Appendix B – Regulations Governing Water Service; Resolution |   |                          |   |

|        |  |               |               |
|--------|--|---------------|---------------|
| Title: | Revisions to Water and Wastewater Rates, Charges, Fees, and Regulations<br>Not Subject to Proposition 218 for Fiscal Year 2026 | Meeting Date: | June 10, 2025 |
|--------|--|---------------|---------------|

### Wastewater System Schedules of Rates, Charges and Fees

- Schedule C – Industrial Permit Fees
- Schedule D – Other Fees
- Schedule E – Testing Fees
- Schedule F – Resource Recovery Fees and Prices
- Schedule G – Wastewater Capacity Fees
- Schedule H – Wastewater Interceptor Connection Review, Coordination and Inspection Fee

### Other Fees

- Public Records Act Fee Schedule and District Publication Fees
- Real Property Use Application Fees
- Recreation Use Fees for Calendar Year 2026

### **Appendix B**

#### Regulations Governing Water Service

- Section 1 – Explanation of Terms Used in These Regulations
- Section 4 – Main Extensions
- Section 17 – Change in Use and/or Size of Service
- Section 26 – Protection of Public Water Supply
- Section 30 – Recycled Water Service
- Section 31 – Water Efficiency Requirements

### **Appendix A**

#### Modifications to Water Rates, Charges and Fees

- Implement proposed changes to Schedule B – Account Establishment Charge and Schedule C – Charges for Special Services. The charges are proposed to reflect current costs, clarify flow-restrictor usage, rename the backflow program charge, include additional hydrant meter security deposits based on meter type, and state that the District will determine and finalize the required hydrant meter type based on the applicant's submitted information. The revisions to Schedule B and Schedule C for FY 2026 are proposed to be effective July 1, 2025.
- Implement proposed changes to Schedule D – Water Service Installation Charges, Schedule E – Private Fire Service Installation Charges, Schedule F – Public Fire Hydrant Installation Charges, and Schedule G – Water Main Extension Charges. The charges are proposed to increase to reflect current costs. The revisions Schedule D, Schedule E, and Schedule F for FY 2026 are proposed to be effective July 1, 2025.

|        |  |               |               |
|--------|--|---------------|---------------|
| Title: | Revisions to Water and Wastewater Rates, Charges, Fees, and Regulations<br>Not Subject to Proposition 218 for Fiscal Year 2026 | Meeting Date: | June 10, 2025 |
|--------|--|---------------|---------------|

- Implement proposed changes to Schedule H – Standard Participation Charge (SPC), Schedule J – System Capacity Charge (SCC), and Schedule N – Water Demand Mitigation Fees to update the cost calculations using the methodology from the 2021 SCC Study. The revisions to Schedule H, Schedule J, and Schedule M for FY 2026 are proposed to be effective July 1, 2025.

#### Modifications to Wastewater Charges and Fees

- Implement proposed changes to Schedule C – Wastewater Department Industrial Permit Fees. The charges are proposed to increase to reflect current costs. The revisions to Schedule C for FY 2026 are proposed to be effective July 1, 2025.
- Implement proposed changes to Schedule D – Wastewater Department Other Fees. The charges are proposed to increase to reflect current costs. The revisions to Schedule D for FY 2026 are proposed to be effective July 1, 2025.
- Implement proposed changes to Schedule E – Wastewater Department Testing Fees. The charges are proposed to increase to reflect current costs. The revisions to Schedule E for FY 2026 are proposed to be effective July 1, 2025.
- Implement proposed changes to Schedule F – Wastewater Department Resource Recovery Rates and Prices. The charges are proposed to increase to reflect current costs and to add two new administrative fees. The revisions to Schedule F for FY 2026 are proposed to be effective July 1, 2025.
- Implement proposed changes to Schedule G – Wastewater Department Capacity Fees (WCF) to update cost calculations using the methodology from the 2019 WCF Study. The revisions to Schedule G for FY 2026 are proposed to be effective July 1, 2025.
- Implement proposed changes to the fee for review, coordination and construction inspection for connections made to the interceptors in Schedule H – Wastewater Department Wastewater Interceptor Connection Review, Coordination, and Inspection Fee to reflect current costs. The revisions to Schedule H for FY 2026 are proposed to be effective July 1, 2025.

#### Modifications to Other Fees

- Implement proposed changes to the Real Property Use Application Fees, Recreation Use Fees, and Public Records Act Fee Schedules to reflect current costs. The revisions to the Real Property Use Application Fees, Recreation Use Fees, and Public Records Act Fee Schedules for FY 2026 are proposed to be effective July 1, 2025.



|        |  |               |               |
|--------|--|---------------|---------------|
| Title: | Revisions to Water and Wastewater Rates, Charges, Fees, and Regulations<br>Not Subject to Proposition 218 for Fiscal Year 2026 | Meeting Date: | June 10, 2025 |
|--------|--|---------------|---------------|

## **Appendix B**

### **Water System Regulations Governing Water Service**

- Modify Water Service Regulations Section 1 – Explanation of Terms Used in these Regulations to update regulatory reference for Accessory Dwelling Unit and Junior Accessory Dwelling Unit.
- Modify Water Service Regulations Section 4 – Main Extensions to add a consideration for traffic conditions and heavily traveled roads for separate parallel water mains.
- Modify Water Service Regulations Section 17 – Change in Use and/or Size of Service to update the California Government Code reference.
- Modify Water Service Regulations Section 26 – Protection of Public Water Supply to update regulatory references, expand on backflow prevention requirements, clarify customer's maintenance responsibilities, incorporate an annual reporting requirement, clarify responsibility for device upgrades, and clarify conditions for service disconnection.
- Modify Water Service Regulations Section 30 – Recycled Water Service to rename the regulation to Recycled Water Services and to include stricter compliance requirements, detail cost responsibilities, outline a permit process, add interim potable water provisions, and enhance enforcement measures.
- Modify Water Service Regulations Section 31 – Water Efficiency Requirements to update the measurement for indoor water use for toilets.

#### **SUSTAINABILITY**

##### **Economic**

The updated rates, charges, and other fees in the schedules for both the water and wastewater systems will recover District costs to provide services.

#### **ALTERNATIVE**

**Do not adopt the recommended changes to the schedules of rates, charges, and other fees and regulations.** This alternative is not recommended because the existing rates, charges, and other fees would not reflect current costs, and the regulations could be inconsistent with current practice or applicable law.

# Appendix A – Recommended Schedules of Rates, Charges and Fees Not Subject to Proposition 218 for Fiscal Year 2026

## *Water System*

- Schedule B – Account Establishment Charge
- Schedule C – Charges for Special Services
- Schedule D – Water Service Installation Charges
- Schedule E – Private Fire Service Installation Charges
- Schedule F – Public Fire Hydrant Installation Charges
- Schedule G – Water Main Extension Charges
- Schedule H – Standard Participation Charge (SPC)
- Schedule J – System Capacity Charge (SCC)
- Schedule N – Water Demand Mitigation Fees

## *Wastewater System*

- Schedule C – Wastewater Department Industrial Permit Fees
- Schedule D – Wastewater Department Other Fees
- Schedule E – Wastewater Department Testing Fees
- Schedule F – Wastewater Department Resource Recovery Fees and Prices
- Schedule G – Wastewater Department Capacity Fees
- Schedule H – Wastewater Department Wastewater Interceptor Connection Review, Coordination and Inspection Fee

## *Other Fees*

- Public Records Act Fee Schedule and District Publications Fees
- Real Property Use Application Fees
- Recreation Use Fees for Calendar Year 2026

## Schedule B

### Account Establishment Charge

FY 2026



## SCHEDULE B – ACCOUNT ESTABLISHMENT CHARGE

EFFECTIVE 07/01/2025~~4~~

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The charge for establishing a new account or ~~the-for~~ transferring~~ing-of~~ an account for a customer moving from one address to another within the District's service area is \$~~7671~~ with the following exceptions:

- Customers in the Customer Assistance Program shall be charged \$~~3836~~.
- Landlords requiring temporary water service for a period not to exceed 60 days shall be charged \$~~3836~~, with the balance of the Account Establishment Charge billed for water service that exceeds 60 days.
- There will be no transfer fee to change the name of an account when the responsible party is a landlord who has signed an intervening water service agreement.
- There will be no transfer fee to change the name of an account when the same person or entity is to remain responsible.
- Customers may use the EBMUD website and use the online process to electronically set up a new account or transfer an existing account from one address to another when they move. The charge for electronically establishing a new account or electronically transferring an existing account for a single-family residence customer is \$~~6055~~.



## SCHEDULE B – ACCOUNT ESTABLISHMENT CHARGE

EFFECTIVE 07/01/2025

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The charge for establishing a new account or for transferring an account for a customer moving from one address to another within the District's service area is \$76 with the following exceptions:

- Customers in the Customer Assistance Program shall be charged \$38.
- Landlords requiring temporary water service for a period not to exceed 60 days shall be charged \$38, with the balance of the Account Establishment Charge billed for water service that exceeds 60 days.
- There will be no transfer fee to change the name of an account when the responsible party is a landlord who has signed an intervening water service agreement.
- There will be no transfer fee to change the name of an account when the same person or entity is to remain responsible.
- Customers may use the EBMUD website and use the online process to electronically set up a new account or transfer an existing account from one address to another when they move. The charge for electronically establishing a new account or electronically transferring an existing account for a single-family residence customer is \$60.

# Schedule C

## Charges for Special Services

FY 2026



## SCHEDULE C – CHARGES FOR SPECIAL SERVICES

EFFECTIVE 07/01/2025~~4~~

### A. METER TESTING

Charges for meter testing will be in accordance with the following schedule:

| <u>SIZE OF METER</u> | <u>TESTING CHARGES</u>   |
|----------------------|--|
| 5/8", 3/4", and 1"   | \$ <del>76</del> <sup>73</sup>   |
| 1-1/2" and 2"        | \$ <del>76</del> <sup>73</sup> On Site<br>\$ <del>171</del> <sup>165</sup> Pull/Test |
| 3" and larger        | \$ <del>342</del> <sup>329</sup> On Site<br>Actual Cost Pull and Test                |

### B. SERVICE INTERRUPTION

The charge for shutting off water service due to non-payment of a water bill ~~is~~ \$50

The charge for restoring service after payment has been received during regular office hours ~~is~~ \$50

The charge for restoring service between 5 p.m. and 8 a.m. or on Saturday, Sunday, or on a holiday ~~is~~ \$~~89~~<sup>83</sup>

An additional charge to lock or plug the meter due to non-payment or unauthorized water use ~~is~~

S-Lock \$~~81~~<sup>75</sup>  
Plug \$~~538~~<sup>502</sup>

A service interruption charge of \$50 may be charged in the event of any additional field stops to shut off service beyond the initial service interruption, including EBMUD locking the meter if the customer self-restores water service prior to making payment. (See Section M.)

### C. RETURNED PAYMENT CHARGE

A charge of \$27 shall be paid for each check or electronic transaction received as payment to the District that is returned unpaid from a financial institution.

### D. PROCESSING FEES FOR DELINQUENT CHARGE COLLECTION THROUGH LIENS AND PROPERTY TAX BILLS ON MULTI-FAMILY AND SINGLE-FAMILY RESIDENTIAL ACCOUNTS

For multi-family residential accounts, the District may place liens on parcels with unpaid charges and collect unpaid amounts on parcels' property tax bills. Multi-family residential accounts are ~~any~~-residential accounts where a water meter serves two or more dwellings~~units~~. The District may place liens on parcels with unpaid charges and collect unpaid amounts on parcels' property tax bills for single-family residential accounts meeting the criteria defined in Section 15A of the District's Regulations Governing Water Service.



## SCHEDULE C – CHARGES FOR SPECIAL SERVICES

EFFECTIVE 07/01/202~~5~~<sup>4</sup>

- 
- |  |   |
|--|---|
| 1. Lien Filing Fee   | \$169 per lien (in Alameda County)<br><br>\$145 per lien (in Contra Costa County)   |
| 2. Lien Removal Fee  | \$123 (in Alameda County) and<br>\$119 (in Contra Costa County) for first<br>lien removed<br><br>\$56 (in Alameda County) and \$52 (in<br>Contra Costa County) for each additional<br>lien removed at the same time |
| 3. Property Tax Transfer Fee Unpaid<br>Charges with Liens Recorded | \$24 + 1.7% <u>of the lien amount</u> (in<br>Alameda County)<br><br>\$24 + \$3 per parcel (in Contra Costa<br>County)   |

### E. PROHIBITED WATER USE CHARGE

A charge of \$50 shall be paid to cover the monitoring costs incurred by the District if, after written notification, excessive or prohibited water use is not curtailed.

### F. FLOW-RESTRICTOR INSTALLATION

The charge for District installation of a flow-restricting device on any service ~~that~~, for reasons the District deems necessary, including continued~~s~~ excessive water use, after written notification, will be in accordance with the following schedule:

1. On services two-inches and smaller –

|               |                                  |
|---------------|----------------------------------|
| 5/8" and 3/4" | \$ <del>161</del> <sup>149</sup> |
| 1"            | \$ <del>161</del> <sup>149</sup> |
| 1-1/2"        | \$ <del>346</del> <sup>320</sup> |
| 2"            | \$ <del>346</del> <sup>320</sup> |

2. All others –

The charges for installing flow-restricting devices on water services, other than those in the above schedule, shall be the reasonable estimated cost for the work including installing the device, as determined by the District, including engineering, equipment, material, consumables, labor, and related expenses.





## SCHEDULE C – CHARGES FOR SPECIAL SERVICES

EFFECTIVE 07/01/202~~5~~<sup>4</sup>

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### G. NOTICE OF PROHIBITED WATER USE AND FLOW-RESTRICTOR CHARGES

For the purposes of Sections E and F above, written notification shall:

1. Specify the date by which excessive or prohibited water use must be curtailed to avoid further enforcement action; and
2. Be sent by certified mail (return receipt requested) or by other written means which would be sufficient for obtaining personal service in a legal proceeding.

### H. RESCINDED 12/10/96

### I. BACKFLOW DEVICE ANNUAL CERTIFICATION CHARGE

Where ~~it is probable that a pollutant, contaminant, system, or plumbing hazard may be created by a water user, or where the water system is unstable and cross connections may be installed or reinstalled,~~ an approved backflow prevention device of the proper type is required ~~for all premises except for conforming single family premises~~ at the customer's expense. See Section 26 of the District's Regulations Governing Water Service.

1. The charge for administering the Backflow Program Certification for all specified accounts (annually) \$~~73~~<sup>68</sup>
2. The charge for District staff to conduct a hazard assessment~~Change of Responsible Party or Change of Use Survey or to respond to a commercial customer's request~~ for a backflow/cross connection ~~survey, an initial or follow-up backflow~~ inspection \$~~173~~<sup>160</sup>/hr.
3. The charge for backflow testers to be placed on the District's list of certified testers \$~~211~~<sup>195</sup>

### J. BACKFLOW DEVICE VIOLATION

For those customers where the service has been terminated for failure to meet the District's Backflow Program requirements, a charge will be made pursuant to the termination and restoration of service

\$~~737~~<sup>683</sup>

### K. LATE PAYMENT PENALTY AND INTEREST

For those customers with outstanding overdue balances exceeding \$10 at billing, a charge equivalent to 1.5 percent of the overdue balance (minimum charge \$1) will be made to recover foregone interest on District money and the District's costs to process overdue accounts. Customers in the Customer Assistance Program shall be exempt from the late payment penalty and interest.



## SCHEDULE C – CHARGES FOR SPECIAL SERVICES

EFFECTIVE 07/01/202~~5~~4

### L. PROCESSING FEE FOR INTERVENING WATER SERVICE AGREEMENT

The charge for the District to process an intervening water service agreement for a participating landlord in the District's automated landlord sign-on service ~~is~~ \$87~~84~~

Requests to modify intervening water service agreement property account information must be submitted in writing and can be dropped off, mailed, or faxed to a District business office.

The charge for each written request to modify the original intervening water service agreement by adding to or deleting property account information from the original agreement ~~is~~ \$87~~84~~

### M. SERVICE TRIP CHARGE

The charge for District staff to perform special services for customers ~~is~~ \$50

The charge may be applied for, but is not limited to, the following:

1. Additional field stops beyond the initial service interruption to shut off service due to non-payment, including a field stop to lock the meter if the customer self-restores water service prior to making payment;
2. Follow-up site visits to customers who have not complied after the District's notification to correct an obstructed meter condition or to remove unauthorized devices or equipment attached to District property in the meter box; and
3. Field inspections conducted at the customer's request.

### N. PUBLIC HYDRANT METER ACCOUNT ESTABLISHMENT CHARGES

Customers ~~can~~may request a ~~3-inch~~ hydrant meter that can be hooked up to a public fire hydrant to measure water use at a property site. Customers are required to: 1) provide hydrant meter readings every two months, within two weeks of the meter read due date; 2) return hydrant meter equipment within one month following a meter use period; and 3) renew the hydrant meter permit and exchange the hydrant meter equipment within 11 months from the date of issuance, if continued use is desired.

The charge to establish water service for a hydrant meter ~~is~~ \$155~~145~~

The charge to renew a hydrant meter account at the end of a 12-month period ~~is~~ \$155~~145~~

Hydrant meter security deposit (1" meter with backflow device) \$859~~1,490~~

Hydrant meter security deposit (3" meter without backflow device) \$1,490

Hydrant meter security deposit (3" meter with backflow device) \$2,614

The District will determine the type of hydrant meter needed based on information submitted by the applicant. The District's decision shall be final.



## SCHEDULE C – CHARGES FOR SPECIAL SERVICES

EFFECTIVE 07/01/202~~5~~<sup>4</sup>

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If a field stop is required to establish a new account, a \$~~310~~<sup>289</sup> site visit charge shall be paid in addition to the \$145 account establishment charge. (See Section O.)

### O. PUBLIC HYDRANT METER ACCOUNT SITE VISIT CHARGE

The charge for a Field Services Representative to conduct a hydrant meter site visit to perform special services for customers ~~is~~ \$~~310~~<sup>289</sup>

The charge shall be applied for, but is not limited to, the following:

1. Reading hydrant meters for which the two-month reading was not submitted by the customer;
2. Retrieving hydrant meter equipment from a customer site;
3. Delivering hydrant meter equipment to a customer; and
4. Establishing or renewing a hydrant meter account in the field.



## SCHEDULE C – CHARGES FOR SPECIAL SERVICES

EFFECTIVE 07/01/2025

### A. METER TESTING

Charges for meter testing will be in accordance with the following schedule:

| <u>SIZE OF METER</u> | <u>TESTING CHARGES</u>                     |
|----------------------|--|
| 5/8", 3/4", and 1"   | \$76                                       |
| 1-1/2" and 2"        | \$76 On Site<br>\$171 Pull/Test            |
| 3" and larger        | \$342 On Site<br>Actual Cost Pull and Test |

### B. SERVICE INTERRUPTION

|  |       |
|--|-------|
| The charge for shutting off water service due to non-payment of a water bill                       | \$50  |
| The charge for restoring service after payment has been received during regular office hours       | \$50  |
| The charge for restoring service between 5 p.m. and 8 a.m. or on Saturday, Sunday, or on a holiday | \$89  |
| An additional charge to lock or plug the meter due to non-payment or unauthorized water use        |       |
| S-Lock   | \$81  |
| Plug   | \$538 |

A service interruption charge of \$50 may be charged in the event of any additional field stops to shut off service beyond the initial service interruption, including EBMUD locking the meter if the customer self-restores water service prior to making payment. (See Section M.)

### C. RETURNED PAYMENT CHARGE

A charge of \$27 shall be paid for each check or electronic transaction received as payment to the District that is returned unpaid from a financial institution.

### D. PROCESSING FEES FOR DELINQUENT CHARGE COLLECTION THROUGH LIENS AND PROPERTY TAX BILLS ON MULTI-FAMILY AND SINGLE-FAMILY RESIDENTIAL ACCOUNTS

For multi-family residential accounts, the District may place liens on parcels with unpaid charges and collect unpaid amounts on parcels' property tax bills. Multi-family residential accounts are residential accounts where a water meter serves two or more dwellings. The District may place liens on parcels with unpaid charges and collect unpaid amounts on parcels' property tax bills for single-family residential accounts meeting the criteria defined in Section 15A of the District's Regulations Governing Water Service.



## SCHEDULE C – CHARGES FOR SPECIAL SERVICES

EFFECTIVE 07/01/2025

- 
- |  |   |
|--|---|
| 1. Lien Filing Fee   | \$169 per lien (in Alameda County)<br><br>\$145 per lien (in Contra Costa County)   |
| 2. Lien Removal Fee  | \$123 (in Alameda County) and<br>\$119 (in Contra Costa County) for first<br>lien removed<br><br>\$56 (in Alameda County) and \$52 (in<br>Contra Costa County) for each additional<br>lien removed at the same time |
| 3. Property Tax Transfer Fee Unpaid<br>Charges with Liens Recorded | \$24 + 1.7% of the lien amount (in<br>Alameda County)<br><br>\$24 + \$3 per parcel (in Contra Costa<br>County)  |

### E. PROHIBITED WATER USE CHARGE

A charge of \$50 shall be paid to cover the monitoring costs incurred by the District if, after written notification, excessive or prohibited water use is not curtailed.

### F. FLOW-RESTRICTOR INSTALLATION

The charge for District installation of a flow-restricting device on any service, for reasons the District deems necessary, including continued excessive water use, after written notification, will be in accordance with the following schedule:

1. On services two-inches and smaller –

|               |       |
|---------------|-------|
| 5/8" and 3/4" | \$161 |
| 1"            | \$161 |
| 1-1/2"        | \$346 |
| 2"            | \$346 |

2. All others –

The charges for installing flow-restricting devices on water services, other than those in the above schedule, shall be the reasonable estimated cost for the work including installing the device, as determined by the District, including engineering, equipment, material, consumables, labor, and related expenses.



## SCHEDULE C – CHARGES FOR SPECIAL SERVICES

EFFECTIVE 07/01/2025

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### G. NOTICE OF PROHIBITED WATER USE AND FLOW-RESTRICTOR CHARGES

For the purposes of Sections E and F above, written notification shall:

1. Specify the date by which excessive or prohibited water use must be curtailed to avoid further enforcement action; and
2. Be sent by certified mail (return receipt requested) or by other written means which would be sufficient for obtaining personal service in a legal proceeding.

### H. RESCINDED 12/10/96

### I. BACKFLOW DEVICE ANNUAL CERTIFICATION CHARGE

Where an approved backflow prevention device of the proper type is required at the customer's expense. See Section 26 of the District's Regulations Governing Water Service.

1. The charge for administering the Backflow Program Certification for all specified accounts (annually) \$73
2. The charge for District staff to conduct a hazard assessment for a backflow/cross connection inspection \$173/hr.
3. The charge for backflow testers to be placed on the District's list of certified testers \$211

### J. BACKFLOW DEVICE VIOLATION

For those customers where the service has been terminated for failure to meet the District's Backflow Program requirements, a charge will be made pursuant to the termination and restoration of service \$737

### K. LATE PAYMENT PENALTY AND INTEREST

For those customers with outstanding overdue balances exceeding \$10 at billing, a charge equivalent to 1.5 percent of the overdue balance (minimum charge \$1) will be made to recover foregone interest on District money and the District's costs to process overdue accounts. Customers in the Customer Assistance Program shall be exempt from the late payment penalty and interest.

### L. PROCESSING FEE FOR INTERVENING WATER SERVICE AGREEMENT

The charge for the District to process an intervening water service agreement for a participating landlord in the District's automated landlord sign-on service \$87

Requests to modify intervening water service agreement property account information must be submitted in writing and can be dropped off, mailed, or faxed to a District business office.



## SCHEDULE C – CHARGES FOR SPECIAL SERVICES

EFFECTIVE 07/01/2025

The charge for each written request to modify the original intervening water service agreement by adding to or deleting property account information from the original agreement \$87

### M. SERVICE TRIP CHARGE

The charge for District staff to perform special services for customers \$50

The charge may be applied for, but is not limited to, the following:

1. Additional field stops beyond the initial service interruption to shut off service due to non-payment, including a field stop to lock the meter if the customer self-restores water service prior to making payment;
2. Follow-up site visits to customers who have not complied after the District's notification to correct an obstructed meter condition or to remove unauthorized devices or equipment attached to District property in the meter box; and
3. Field inspections conducted at the customer's request.

### N. PUBLIC HYDRANT METER ACCOUNT ESTABLISHMENT CHARGES

Customers may request a hydrant meter that can be hooked up to a public fire hydrant to measure water use at a property site. Customers are required to: 1) provide hydrant meter readings every two months, within two weeks of the meter read due date; 2) return hydrant meter equipment within one month following a meter use period; and 3) renew the hydrant meter permit and exchange the hydrant meter equipment within 11 months from the date of issuance, if continued use is desired.

The charge to establish water service for a hydrant meter \$155

The charge to renew a hydrant meter account at the end of a 12-month period \$155

Hydrant meter security deposit (1" meter with backflow device) \$859

Hydrant meter security deposit (3" meter without backflow device) \$1,490

Hydrant meter security deposit (3" meter with backflow device) \$2,614

The District will determine the type of hydrant meter needed based on information submitted by the applicant. The District's decision shall be final.

If a field stop is required to establish a new account, a \$310 site visit charge shall be paid in addition to the \$145 account establishment charge (See Section O.)

### O. PUBLIC HYDRANT METER ACCOUNT SITE VISIT CHARGE

The charge for a Field Services Representative to conduct a hydrant meter site visit to perform special services for customers \$310



## **SCHEDULE C – CHARGES FOR SPECIAL SERVICES**

**EFFECTIVE 07/01/2025**

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The charge shall be applied for, but is not limited to, the following:

1. Reading hydrant meters for which the two-month reading was not submitted by the customer;
2. Retrieving hydrant meter equipment from a customer site;
3. Delivering hydrant meter equipment to a customer; and
4. Establishing or renewing a hydrant meter account in the field.



# Schedule D

## Water Service Installation Charges

FY 2026



## SCHEDULE D – WATER SERVICE INSTALLATION CHARGES

EFFECTIVE 07/01/2025~~4~~

Requests for the installation of a water service or changes to a water service must comply with all applicable District Regulations Governing Water Service.

### A. INSTALLING A SERVICE

The charge for installing water service (meter, lateral, and appurtenances), including a private fire service requiring a meter that is smaller than 4 inches, will be in accordance with the following schedule. The charge for installing a private fire service meter that is 4 inches or larger is set forth in Schedule E – Private Fire Service Installation Charges.

#### 1. METERS SMALLER THAN FOUR INCHES

##### a. Regular Services (1 meter per lateral)

| LATERAL AND<br>METER SIZE                            | INSTALLED IN<br>PAVED<br>CONDITIONS <sup>1</sup> | INSTALLED IN<br>UNPAVED<br>CONDITIONS <sup>2</sup> |
|--|--|--|
| 1" and smaller<br>Lateral with 1"<br>and under meter | <del>\$11,878</del> <del>\$11,010</del>          | <del>\$6,633</del> <del>\$6,068</del>              |
| 1-1/2" Lateral with 1-<br>1/2" and under meter       | <del>19,162</del> <del>18,076</del>              | <del>11,786</del> <del>11,153</del>                |
| 2" Lateral with 2"<br>and under meter                | <del>19,162</del> <del>18,076</del>              | <del>11,786</del> <del>11,153</del>                |
| 3" <sup>3</sup> Lateral with 3"<br>and under meter   | <del>41,255</del> <del>38,706</del>              | <del>28,427</del> <del>26,713</del>                |
| 4" <sup>3</sup> Lateral with 4"<br>and under meter   | <del>41,255</del> <del>38,706</del>              | <del>28,427</del> <del>26,713</del>                |
| <u>6" Lateral with 6"<br/>and under meter</u>        | <u>58,664</u>                                    | <u>40,251</u>                                      |
| <u>8" Lateral with 8"<br/>and under meter</u>        | <u>58,664</u>                                    | <u>40,251</u>                                      |

~~Cost to install services with 6" laterals and larger will be calculated on a reasonable cost basis.~~

<sup>1</sup> Paved conditions are areas already paved and with existing utilities, curb, gutter, and asphalt in place. Paved conditions also include areas where more utilities than sanitary sewer or storm drain exist.

<sup>2</sup> Unpaved conditions are limited to conditions where paving has not previously existed and the only existing utilities are sanitary sewer and storm drain. The conditions of the site must not include asphalt, curb, gutter, paving, or first or final lift.

<sup>3</sup> Requires steel pipes.



## SCHEDULE D – WATER SERVICE INSTALLATION CHARGES

EFFECTIVE 07/01/2025~~4~~

b. Branch Services (2 or more meters per lateral)

| METER SIZE  | # OF METERS | INSTALLED IN PAVED CONDITIONS <sup>4</sup> | INSTALLED IN UNPAVED CONDITIONS <sup>5</sup> |
|-------------|-------------|--|--|
| 5/8" Meters | 2           | <del>\$12,691</del> <del>\$11,684</del>    | <del>\$7,446</del> <del>\$6,742</del>        |
|             | 3           | <del>20,226</del> <del>18,488</del>        | <del>12,841</del> <del>11,565</del>          |
|             | 4           | <del>21,039</del> <del>19,161</del>        | <del>13,654</del> <del>12,238</del>          |
|             | 5           | <del>21,852</del> <del>19,835</del>        | <del>14,467</del> <del>12,912</del>          |
|             | 6           | <del>22,665</del> <del>20,509</del>        | <del>15,279</del> <del>13,586</del>          |
|             | 7           | <del>23,478</del> <del>21,182</del>        | <del>16,092</del> <del>14,260</del>          |
|             | 8           | <del>24,290</del> <del>21,856</del>        | <del>16,905</del> <del>14,933</del>          |
| 1" Meters   | 2           | <del>19,413</del> <del>17,814</del>        | <del>12,028</del> <del>10,890</del>          |
|             | 3           | <del>20,226</del> <del>18,488</del>        | <del>12,841</del> <del>11,564</del>          |
|             | 4           | <del>21,039</del> <del>19,161</del>        | <del>13,654</del> <del>12,237</del>          |

c. Adjustment for Applicant Assisted Service Installations

Applicants requesting installation of at least 15 service laterals may choose to provide their own trenching and backfilling and be eligible to receive a refund of up to ~~\$666~~~~614~~ per service lateral installed provided that the applicant:

- (i) pays the appropriate charges for each service as specified in sections (a) or (b) above.
- (ii) clears the construction site of obstructing materials and equipment.
- (iii) excavates a minimum of 15 service laterals ahead of District crews.
- (iv) hauls sand and select backfill to the construction site for use by District crews in supporting the service lateral and for applicant backfilling of trenches.
- (v) backfills and compacts the trenches after District crews have installed and properly secured the service lateral.
- (vi) reimburses the District for (1) unproductive crew standby due to applicant's failure to prepare the site or excavate trenches in advance; (2) District costs to repair damage done by applicant's trenching operation; (3) other reasonable District costs.

<sup>4</sup> Paved conditions are areas already paved and with existing utilities, curb, gutter, and asphalt in place. Paved conditions also include areas where more utilities than sanitary sewer or storm drain exist.

<sup>5</sup> Unpaved conditions are limited to conditions where paving has not previously existed, and the only existing utilities are sanitary sewer and storm drain. The conditions of the site must not include asphalt, curb, gutter, paving, or first or final lift.



## SCHEDULE D – WATER SERVICE INSTALLATION CHARGES

EFFECTIVE 07/01/2025<sup>4</sup>

### 2. ALL OTHERS

The charge or credits for installing all water services other than those specified in Section (A)(1) of this schedule shall be the reasonable estimated cost for the work including installing the service, as determined by the District, including engineering, equipment, material, consumables, labor, and related expenses. ~~The charge for installing private fire service requiring a meter that is 4 inches or larger is stated in Schedule E.~~

### B. COST OF INCREASING METER SIZE (Up to available capacity on existing lateral)

|                                       |  |
|---------------------------------------|--|
| <u>1" and smaller Tap and Lateral</u> | <del>(Additional charge of \$600 if concrete replacement required)</del> |
|                                       | <del>\$1,358</del> <u>1,512</u> <sup>6</sup>                             |
| <u>1-1/2" Tap and Lateral</u>         | <del>(Additional charge of \$600 if concrete replacement required)</del> |
| Up to 1-1/2"                          | <del>\$1,449</del> <u>1,603</u> <sup>6</sup>                             |
| <u>2" Tap and Lateral</u>             | <del>(Additional charge of \$600 if concrete replacement required)</del> |
| Up to 2"                              | <del>\$1,449</del> <u>1,603</u> <sup>6</sup>                             |
| <u>4" Tap and Lateral</u>             | <del>(Additional charge of \$600 if concrete replacement required)</del> |
| Up to 2"                              | <del>\$1,449</del> <u>1,603</u> <sup>6</sup>                             |
| <u>4" Tap and Lateral</u>             | <del>(Additional charge of \$600 if concrete replacement required)</del> |
| Up to 4"                              | <del>\$7,598</del> <u>9,565</u> <sup>6</sup>                             |

### C. COST OF REDUCING METER SIZE ~~(Additional charge of \$600 if concrete replacement required)~~

|                            |    |               |  |
|----------------------------|----|---------------|--|
| 1", 1-1/2" and 2" Laterals | to | smaller meter | <del>\$1,339</del> <u>1,486</u> <sup>6</sup> |
| 3" and 4" Laterals         | to | smaller meter | <del>\$3,602</del> <u>4,059</u> <sup>6</sup> |

### D. RELOCATING AN EXISTING SERVICE

1. To relocate an existing service perpendicular to the curb line or a distance not exceeding five feet parallel to the curb line, a charge will be ~~\$2,860~~ 3,102.
2. To transfer service or to relocate an existing service a distance exceeding five feet parallel to the curb line, a charge will be made in accordance with Section A – Installing a Service plus the cost of eliminating old service connection.

<sup>6</sup> Additional charge of \$600 if concrete replacement required.



## SCHEDULE D – WATER SERVICE INSTALLATION CHARGES

EFFECTIVE 07/01/2025<sup>4</sup>

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### E. RESETTling OR REPLACING A METER

There will be a charge equivalent to 5 percent of the water service installation charge for resetting a meter on an existing service connection.

There will be a charge equivalent to 5 percent of the water service installation charge for replacing a meter when applicants lose or damage meters when constructing new developments.

### F. CONVERSION OF INDIVIDUAL SERVICE TO BRANCH SERVICE AND CONVERSION OF BRANCH SERVICE TO INDIVIDUAL SERVICE (Multi-metering, when feasible)

Branch Conversion      \$~~2,617~~2,812<sup>6</sup> for two meter conversion, \$~~674~~813<sup>6</sup> for each additional meter  
~~(Additional charge of \$600 if concrete replacement is required)~~

### G. SERVICE ELIMINATIONS

3/4" to 2"      \$~~2,695~~2,888<sup>6</sup> ~~(Additional charge of \$600 if concrete replacement required)~~  
3" to 12"      \$~~4,568~~4,885<sup>6</sup> ~~(Additional charge of \$600 if concrete replacement required)~~

### H. INSTALLATION OR OTHER WORK UNDER UNUSUAL CONDITIONS

The above charges apply to installation charges for water services four inches and smaller except where there are unusual or special conditions, for example but not limited to traffic control, permit conditions, underground street utility congestions, known potential for archeological or paleontological resources, contaminated soils, and streets with multi-layered surface types, which, in the opinion of the District, would result in the need for additional services and materials, including but not limited to added testing and inspection, changes due to project revisions, property rights evaluation, ~~and/or~~ clean soil utility corridor establishment, and any construction by District forces to complete the installation. In such cases, the charge ~~or credit~~ will be based on the District's reasonable estimated cost for the work including all engineering, material, equipment, labor, consumables, and related expenses incidental to the installation.



## SCHEDULE D – WATER SERVICE INSTALLATION CHARGES

EFFECTIVE 07/01/2025

Requests for the installation of a water service or changes to a water service must comply with all applicable District Regulations Governing Water Service.

### A. INSTALLING A SERVICE

The charge for installing water service (meter, lateral, and appurtenances), including a private fire service requiring a meter that is smaller than 4 inches, will be in accordance with the following schedule. The charge for installing a private fire service meter that is 4 inches or larger is set forth in Schedule E – Private Fire Service Installation Charges.

#### 1. METERS SMALLER THAN FOUR INCHES

##### a. Regular Services (1 meter per lateral)

| LATERAL AND<br>METER SIZE                            | INSTALLED IN<br>PAVED<br>CONDITIONS <sup>1</sup> | INSTALLED IN<br>UNPAVED<br>CONDITIONS <sup>2</sup> |
|--|--|--|
| 1" and smaller<br>Lateral with 1"<br>and under meter | \$11,878   | \$6,633  |
| 1-1/2" Lateral with 1-<br>1/2" and under meter       | 19,162   | 11,786   |
| 2" Lateral with 2"<br>and under meter                | 19,162   | 11,786   |
| 3" <sup>3</sup> Lateral with 3"<br>and under meter   | 41,255   | 28,427   |
| 4" <sup>3</sup> Lateral with 4"<br>and under meter   | 41,255   | 28,427   |
| 6" Lateral with 6"<br>and under meter                | 58,664   | 40,251   |
| 8" Lateral with 8"<br>and under meter                | 58,664   | 40,251   |

<sup>1</sup> Paved conditions are areas already paved and with existing utilities, curb, gutter, and asphalt in place. Paved conditions also include areas where more utilities than sanitary sewer or storm drain exist.

<sup>2</sup> Unpaved conditions are limited to conditions where paving has not previously existed and the only existing utilities are sanitary sewer and storm drain. The conditions of the site must not include asphalt, curb, gutter, paving, or first or final lift.

<sup>3</sup> Requires steel pipes.



## SCHEDULE D – WATER SERVICE INSTALLATION CHARGES

EFFECTIVE 07/01/2025

b. Branch Services (2 or more meters per lateral)

| METER SIZE  | # OF METERS | INSTALLED IN PAVED CONDITIONS <sup>4</sup> | INSTALLED IN UNPAVED CONDITIONS <sup>5</sup> |
|-------------|-------------|--|--|
| 5/8" Meters | 2           | \$12,691                                   | \$7,446                                      |
|             | 3           | 20,226                                     | 12,841                                       |
|             | 4           | 21,039                                     | 13,654                                       |
|             | 5           | 21,852                                     | 14,467                                       |
|             | 6           | 22,665                                     | 15,279                                       |
|             | 7           | 23,478                                     | 16,092                                       |
|             | 8           | 24,290                                     | 16,905                                       |
| 1" Meters   | 2           | 19,413                                     | 12,028                                       |
|             | 3           | 20,226                                     | 12,841                                       |
|             | 4           | 21,039                                     | 13,654                                       |

c. Adjustment for Applicant Assisted Service Installations

Applicants requesting installation of at least 15 service laterals may choose to provide their own trenching and backfilling and be eligible to receive a refund of up to \$666 per service lateral installed provided that the applicant:

- (i) pays the appropriate charges for each service as specified in sections (a) or (b) above.
- (ii) clears the construction site of obstructing materials and equipment.
- (iii) excavates a minimum of 15 service laterals ahead of District crews.
- (iv) hauls sand and select backfill to the construction site for use by District crews in supporting the service lateral and for applicant backfilling of trenches.
- (v) backfills and compacts the trenches after District crews have installed and properly secured the service lateral.
- (vi) reimburses the District for (1) unproductive crew standby due to applicant's failure to prepare the site or excavate trenches in advance; (2) District costs to repair damage done by applicant's trenching operation; (3) other reasonable District costs.

<sup>4</sup> Paved conditions are areas already paved and with existing utilities, curb, gutter, and asphalt in place. Paved conditions also include areas where more utilities than sanitary sewer or storm drain exist.

<sup>5</sup> Unpaved conditions are limited to conditions where paving has not previously existed, and the only existing utilities are sanitary sewer and storm drain. The conditions of the site must not include asphalt, curb, gutter, paving, or first or final lift.



## SCHEDULE D – WATER SERVICE INSTALLATION CHARGES

EFFECTIVE 07/01/2025

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### 2. ALL OTHERS

The charge or credits for installing all water services other than those specified in Section (A)(1) of this schedule shall be the reasonable estimated cost for the work including installing the service, as determined by the District, including engineering, equipment, material, consumables, labor, and related expenses.

### **B. COST OF INCREASING METER SIZE (Up to available capacity on existing lateral)**

|                                |                      |
|--------------------------------|----------------------|
| 1" and smaller Tap and Lateral | \$1,512 <sup>6</sup> |
| 1-1/2" Tap and Lateral         | \$1,603 <sup>6</sup> |
| 2" Tap and Lateral             | \$1,603 <sup>6</sup> |
| 4" Tap and Lateral             | \$1,603 <sup>6</sup> |
| 4" Tap and Lateral             | \$9,565 <sup>6</sup> |

### **C. COST OF REDUCING METER SIZE**

|                            |                      |
|----------------------------|----------------------|
| 1", 1-1/2" and 2" Laterals | \$1,486 <sup>6</sup> |
| 3" and 4" Laterals         | \$4,059 <sup>6</sup> |

### **D. RELOCATING AN EXISTING SERVICE**

1. To relocate an existing service perpendicular to the curb line or a distance not exceeding five feet parallel to the curb line, a charge will be \$3,102.
2. To transfer service or to relocate an existing service a distance exceeding five feet parallel to the curb line, a charge will be made in accordance with Section A – Installing a Service plus the cost of eliminating old service connection.

### **E. RESETTling OR REPLACING A METER**

There will be a charge equivalent to 5 percent of the water service installation charge for resetting a meter on an existing service connection.

There will be a charge equivalent to 5 percent of the water service installation charge for replacing a meter when applicants lose or damage meters when constructing new developments.

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<sup>6</sup> Additional charge of \$600 if concrete replacement required.





## SCHEDULE D – WATER SERVICE INSTALLATION CHARGES

EFFECTIVE 07/01/2025

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### **F. CONVERSION OF INDIVIDUAL SERVICE TO BRANCH SERVICE AND CONVERSION OF BRANCH SERVICE TO INDIVIDUAL SERVICE**

(Multi-metering, when feasible)

Branch Conversion      \$2,812<sup>6</sup> for two meter conversion, \$813<sup>6</sup> for each additional meter

### **G. SERVICE ELIMINATIONS**

3/4" to 2"      \$2,888<sup>6</sup>

3" to 12"      \$4,885<sup>6</sup>

### **H. INSTALLATION OR OTHER WORK UNDER UNUSUAL CONDITIONS**

The above charges apply to installation charges for water services four inches and smaller except where there are unusual or special conditions, for example but not limited to traffic control, permit conditions, underground street utility congestions, known potential for archeological or paleontological resources, contaminated soils, and streets with multi-layered surface types, which, in the opinion of the District, would result in the need for additional services and materials, including but not limited to added testing and inspection, changes due to project revisions, property rights evaluation, clean soil utility corridor establishment, and any construction by District forces to complete the installation. In such cases, the charge will be based on the District's reasonable estimated cost for the work including all engineering, material, equipment, labor, consumables, and related expenses incidental to the installation.

# Schedule E

## Private Fire Service Installation Charges

FY 2026



## SCHEDULE E – PRIVATE FIRE SERVICE INSTALLATION CHARGES

EFFECTIVE 07/01/2024

Requests for the installation of a private fire service must comply with all applicable District Regulations Governing Water Service.

### A. INSTALLING A PRIVATE FIRE SERVICE

The charge for installing a private fire service (fire service meter, lateral, and other appurtenances necessary to support a property's fire sprinkler system) will be in accordance with the following schedule:

| METER SIZE | INSTALLED IN PAVED CONDITIONS <sup>1</sup> | INSTALLED IN UNPAVED CONDITIONS <sup>2</sup> |
|------------|--|--|
| 4"         | <del>\$34,531</del> <del>\$31,838</del>    | <del>\$21,695</del> <del>\$19,844</del>      |
| 6"         | <del>37,201</del> <del>34,443</del>        | <del>24,364</del> <del>22,450</del>          |
| 8"         | <del>51,732</del> <del>34,443</del>        | <del>33,320</del> <del>22,450</del>          |

The typical private fire service installation will require a meter that is 4" or larger. Cost to install a meter smaller than 4" is shown in Schedule D – Water Service Installation Charges, Section A.1 – Installing a Service, Meters Smaller Than Four Inches.

The cCost to install a meter 10" or and larger will be determined by the District shall be the reasonable estimated cost, as determined by the District, for the work including- to installing the service, as determined by the District, including engineering, equipment, material, consumables, labor, and related expenses-based on a reasonable cost basis.

### B. INSTALLATION UNDER UNUSUAL CONDITIONS

The above charges apply to all installation charges for private fire services except when there are unusual or special conditions, for example but not limited to traffic control, permit conditions, underground street utility congestion, known potential for archaeological or paleontological resources, contaminated soils, and streets with multi-layered surface types, which, in the opinion of the District, would result in the need for additional services and materials, including but not limited to added testing and inspection, changes due to project revisions, property rights evaluation, site conditions or contaminated soil, and/or clean soil utility corridor establishment, and any construction by District forces to complete the installation. In such cases, the charge or credit will be based on the District's reasonable estimated cost for the work including all engineering, material, equipment, consumables, labor, and related expenses incidental to the installation.

<sup>1</sup> Paved conditions are areas already paved and with existing utilities, curb, gutter, and asphalt in place. Paved conditions also include areas where more utilities than sanitary sewer or storm drain exist.

<sup>2</sup> Unpaved conditions are limited to conditions where paving has not previously existed and the only existing utilities are sanitary sewer and storm drain. The conditions of the site must not include asphalt, curb, gutter, paving, or first or final lift.



## SCHEDULE E – PRIVATE FIRE SERVICE INSTALLATION CHARGES

EFFECTIVE 07/01/2025

Requests for the installation of a private fire service must comply with all applicable District Regulations Governing Water Service.

### A. INSTALLING A PRIVATE FIRE SERVICE

The charge for installing a private fire service (fire service meter, lateral, and other appurtenances necessary to support a property's fire sprinkler system) will be in accordance with the following schedule:

| METER SIZE | INSTALLED IN PAVED CONDITIONS <sup>1</sup> | INSTALLED IN UNPAVED CONDITIONS <sup>2</sup> |
|------------|--|--|
| 4"         | \$34,531                                   | \$21,695                                     |
| 6"         | 37,201                                     | 24,364                                       |
| 8"         | 51,732                                     | 33,320                                       |

The typical private fire service installation will require a meter that is 4" or larger. Cost to install a meter smaller than 4" is shown in Schedule D – Water Service Installation Charges, Section A.1 – Installing a Service, Meters Smaller Than Four Inches.

The cost to install a meter 10" or larger shall be the reasonable estimated cost, as determined by the District, for the work to install the service, including engineering, equipment, material, consumables, labor, and related expenses.

### B. INSTALLATION UNDER UNUSUAL CONDITIONS

The above charges apply to all installation charges for private fire services except when there are unusual or special conditions, for example but not limited to traffic control, permit conditions, underground street utility congestion, known potential for archaeological or paleontological resources, contaminated soils, and streets with multi-layered surface types, which, in the opinion of the District, would result in the need for additional services and materials, including but not limited to added testing and inspection, changes due to project revisions, property rights evaluation, site conditions or contaminated soil, clean soil utility corridor establishment, and any construction by District forces to complete the installation. In such cases, the charge will be based on the District's reasonable estimated cost for the work including all engineering, material, equipment, consumables, labor, and related expenses incidental to the installation.

<sup>1</sup> Paved conditions are areas already paved and with existing utilities, curb, gutter, and asphalt in place. Paved conditions also include areas where more utilities than sanitary sewer or storm drain exist.

<sup>2</sup> Unpaved conditions are limited to conditions where paving has not previously existed and the only existing utilities are sanitary sewer and storm drain. The conditions of the site must not include asphalt, curb, gutter, paving, or first or final lift.

# Schedule F

## Public Fire Hydrant Installation Charges

FY 2026



## SCHEDULE F – PUBLIC FIRE HYDRANT INSTALLATION CHARGES

EFFECTIVE 07/01/2025~~4~~

Requests for the installation, removal, or relocation of a fire hydrant must comply with all applicable District Regulations Governing Water Service.

The following charges will be made for the installation, removal, or relocation of a fire hydrant.

### A. HYDRANT INSTALLATION BY THE DISTRICT

The charge for installation of a fire hydrant by the District on an existing main or on/with new mains is \$~~36,399~~~~33,790~~ in paved<sup>1</sup> and \$~~23,563~~~~21,796~~ unpaved<sup>2</sup> conditions.

For hydrants installed by applicant on/with new mains installed by the Applicant see Section B below.

### B. HYDRANT INSTALLATIONS BY APPLICANT ON APPLICANT-INSTALLED MAIN EXTENSIONS

1. Basic charge for materials and handling for 6-inch fire hydrant \$~~5,421~~~~4,884~~
2. Material charge for services laterals \$21 per foot

NOTE: Applicants will not be permitted to install a fire hydrant on an existing main.

### C. HYDRANT REMOVAL

1. The charge to remove a hydrant located in paved<sup>1</sup> sidewalk \$~~4,885~~~~4,568~~
2. The charge to remove a hydrant located in unpaved<sup>2</sup> surface \$~~3,020~~~~2,823~~

### D. RELOCATION OF A FIRE HYDRANT

The charge for the relocation of a hydrant will be the charge for the hydrant removal (Section C) plus the charge for the installation of a new hydrant (Section A).

### E. SETBACK/OFFSET OF A FIRE HYDRANT

Where the relocation of a fire hydrant does not require a new connection to the main, the charge is \$~~12,021~~~~11,192~~. There is an additional charge of \$600 for concrete replacement.

### F. REPLACEMENT OF A HYDRANT BODY

To replace an existing hydrant with a MODEL-64 hydrant body or equivalent on a wet barrel, above ground shutoff type hydrant, the replacement charge is \$~~1,951~~~~1,894~~.

<sup>1</sup> Paved conditions are areas already paved and with existing utilities, curb, gutter, and asphalt in place. Paved conditions also include areas where more utilities than sanitary sewer or storm drain exist.

<sup>2</sup> Unpaved conditions are limited to conditions where paving has not previously existed and the only existing utilities are sanitary sewer and storm drain. The conditions of the site must not include asphalt, curb, gutter, paving, or first or final list.



## SCHEDULE F – PUBLIC FIRE HYDRANT INSTALLATION CHARGES

EFFECTIVE 07/01/2025<sup>4</sup>

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### G. INSTALLATION UNDER UNUSUAL CONDITIONS

The above charges apply to all installation charges for fire hydrant installations except when there are unusual or special conditions, for example but not limited to traffic control, permit conditions, underground street utility congestion, known potential for archaeological or paleontological resources, contaminated soils, and streets with multi-layered surface types, which, in the opinion of the District, would result in the need for additional services and materials, including but not limited to added testing and inspection, changes due to project revisions, property rights evaluation, ~~and/or~~ clean soil utility corridor establishment, site conditions or contaminated soil, and any construction by District forces to complete the installation. In such cases, the charge ~~or credit~~ will be based on the District's reasonable estimated cost for the work including all engineering, material, equipment, consumables, labor, and related expenses incidental to the installation.



## SCHEDULE F – PUBLIC FIRE HYDRANT INSTALLATION CHARGES

EFFECTIVE 07/01/2025

Requests for the installation, removal, or relocation of a fire hydrant must comply with all applicable District Regulations Governing Water Service.

The following charges will be made for the installation, removal, or relocation of a fire hydrant.

### A. HYDRANT INSTALLATION BY THE DISTRICT

The charge for installation of a fire hydrant by the District on an existing main or on/with new mains is \$36,399 in paved<sup>1</sup> and \$23,563 unpaved<sup>2</sup> conditions.

For hydrants installed by applicant on/with new mains installed by the Applicant see Section B below.

### B. HYDRANT INSTALLATIONS BY APPLICANT ON APPLICANT-INSTALLED MAIN EXTENSIONS

- |  |               |
|--|---------------|
| 1. Basic charge for materials and handling for 6-inch fire hydrant | \$5,421       |
| 2. Material charge for services laterals                           | \$21 per foot |

NOTE: Applicants will not be permitted to install a fire hydrant on an existing main.

### C. HYDRANT REMOVAL

- |   |         |
|---|---------|
| 1. The charge to remove a hydrant located in paved <sup>1</sup> sidewalk  | \$4,885 |
| 2. The charge to remove a hydrant located in unpaved <sup>2</sup> surface | \$3,020 |

### D. RELOCATION OF A FIRE HYDRANT

The charge for the relocation of a hydrant will be the charge for the hydrant removal (Section C) plus the charge for the installation of a new hydrant (Section A).

### E. SETBACK/OFFSET OF A FIRE HYDRANT

Where the relocation of a fire hydrant does not require a new connection to the main, the charge is \$12,021. There is an additional charge of \$600 for concrete replacement.

### F. REPLACEMENT OF A HYDRANT BODY

To replace an existing hydrant with a MODEL-64 hydrant body or equivalent on a wet barrel, above ground shutoff type hydrant, the replacement charge is \$1,951.

<sup>1</sup> Paved conditions are areas already paved and with existing utilities, curb, gutter, and asphalt in place. Paved conditions also include areas where more utilities than sanitary sewer or storm drain exist.

<sup>2</sup> Unpaved conditions are limited to conditions where paving has not previously existed and the only existing utilities are sanitary sewer and storm drain. The conditions of the site must not include asphalt, curb, gutter, paving, or first or final list.





## SCHEDULE F – PUBLIC FIRE HYDRANT INSTALLATION CHARGES

EFFECTIVE 07/01/2025

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### **G. INSTALLATION UNDER UNUSUAL CONDITIONS**

The above charges apply to all installation charges for fire hydrant installations except when there are unusual or special conditions, for example but not limited to traffic control, permit conditions, underground street utility congestion, known potential for archaeological or paleontological resources, contaminated soils, and streets with multi-layered surface types, which, in the opinion of the District, would result in the need for additional services and materials, including but not limited to added testing and inspection, changes due to project revisions, property rights evaluation, clean soil utility corridor establishment, site conditions or contaminated soil, and any construction by District forces to complete the installation. In such cases, the charge will be based on the District's reasonable estimated cost for the work including all engineering, material, equipment, consumables, labor, and related expenses incidental to the installation.

# Schedule G

## Water Main Extension Charges

FY 2026



## SCHEDULE G – WATER MAIN EXTENSION CHARGES

EFFECTIVE 07/01/2025<sup>4</sup>

Requests for the installation of a water main extension must comply with all applicable District Regulations Governing Water Service.

### A. DISTRICT-INSTALLED MAINS

The charge for District-installed main extensions up to 1,000 feet shall be based on the standard charges as specified below.

1. Charge for engineering, inspection, pipeline materials and appurtenances, and installation of the required mains by the District in unpaved streets and in paved streets, excluding fire hydrants and water service connections (which are covered by Schedules D, E, and F) consists of:

- a. Basic installation charge of \$~~4,912~~5,327  
plus,

Linear foot charge, for combined length of main extension of 0 to 1,000 feet:

In unpaved streets<sup>1</sup>

|                                 |                                      |
|---------------------------------|--------------------------------------|
| 2-inch PVC pipe                 | <del>\$258</del> <u>276</u> per foot |
| 2-inch Copper pipe              | <del>301</del> <u>321</u> per foot   |
| 6-inch/8-inch PVC or HDPE pipe  | <del>408</del> <u>436</u> per foot   |
| 6-inch/8-inch Ductile Iron pipe | <del>444</del> <u>474</u> per foot   |
| 6-inch/8-inch Steel pipe        | <del>466</del> <u>498</u> per foot   |
| 12-inch HDPE pipe               | <del>573</del> <u>612</u> per foot   |
| 12-inch Steel pipe              | <del>631</del> <u>674</u> per foot   |

In paved streets<sup>2</sup>

|                                 |                                      |
|---------------------------------|--------------------------------------|
| 2-inch PVC pipe                 | <del>\$423</del> <u>452</u> per foot |
| 2-inch Copper pipe              | <del>465</del> <u>497</u> per foot   |
| 6-inch/8-inch PVC or HDPE pipe  | <del>560</del> <u>598</u> per foot   |
| 6-inch/8-inch Ductile Iron pipe | <del>596</del> <u>636</u> per foot   |
| 6-inch/8-inch Steel pipe        | <del>618</del> <u>660</u> per foot   |
| 12-inch HDPE pipe               | <del>728</del> <u>777</u> per foot   |
| 12-inch Steel pipe              | <del>786</del> <u>839</u> per foot   |

- b. The above charges apply to all District-installed mains except when there are unusual or special conditions, for example but not limited to traffic control, permit conditions, underground street utility congestion, known potential for archaeological or paleontological resources, contaminated soils, and streets with multi-layered surface types, which, in the opinion of the District, would result in the need for additional services and materials, including but not limited to hydraulic analysis, property rights

<sup>1</sup> Unpaved streets are limited to conditions where paving has not previously existed and the only existing utilities are sanitary sewer and storm drain. The conditions of the site must not include asphalt, curb, gutter, paving, or first or final lift.

<sup>2</sup> Paved streets are areas already paved and with existing utilities, curb, gutter, and asphalt in place. Paved conditions also include areas where more utilities than sanitary sewer or storm drain exist.



## SCHEDULE G – WATER MAIN EXTENSION CHARGES

EFFECTIVE 07/01/2025~~4~~

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evaluation, and/or clean soil utility corridor establishment. In such cases, the charge will be based on the District's reasonable estimated cost for the work including all engineering, material, equipment, consumables, labor, and related expenses incidental to the installation.

### 2. Charges for Pipe Greater than 12-Inches

Charges for District-installed mains greater than 12-inches will be based on a District engineering cost estimate.

## B. APPLICANT-INSTALLED MAINS

The charge for Applicant-installed main extensions over 1,000 feet shall be based on the following standard charges:

1. Charge for engineering, inspection, and certain pipeline materials, designated below for the installation of the required water mains by the applicant, excluding fire hydrants and water service connections (which are covered by Schedules D, E, and F) consists of:
  - a. Basic installation charge of ~~\$4,912~~\$5,327 plus  
  
Linear foot charge of:

|                                  |                                      |
|----------------------------------|--------------------------------------|
| 6-inch/8-inch diameter pipe      | <del>\$69</del> <u>\$75</u> per foot |
| 12-inch diameter pipe            | <del>\$81</del> <u>\$88</u> per foot |
| 16-inch and larger diameter pipe | See B3 below                         |
  - b. The charge to the applicant for District-supplied pipe and fittings (which include valves, valve pot covers, blowoffs, and minor appurtenances as identified by District-furnished drawings and specifications) will be the District's cost for these materials including tax and shipping.
  - c. The above charges apply to all Applicant-installed mains except when there are unusual or special conditions, for example but not limited to traffic control, permit conditions, underground street congestion, and streets with multi-layered surface types, which, in the opinion of the District, would result in the need for additional services and materials, including added testing and inspection, changes due to project revisions, property rights evaluation, site conditions or contaminated soil, and any construction by District forces to complete the installation. In such cases, the charge will be based on the District's reasonable estimated cost for the work including all engineering, material, equipment, consumables, labor, and related expenses incidental to the installation.

In all cases the District will supply valves, valve pot covers, blowoffs, and minor appurtenances as identified by District-furnished drawings and specifications.



## SCHEDULE G – WATER MAIN EXTENSION CHARGES

EFFECTIVE 07/01/202~~5~~<sup>4</sup>

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2. Credits (where applicable) when pipe to be installed by the applicant is required by the District to be larger than the pipe size needed to serve the applicant or when applicant installs District improvements in conjunction with applicant-installed main extensions will be based on a District engineering cost estimate.

3. Charges for Pipe Greater than 12-Inches

Charges for Applicant-installed mains greater than 12-inches will be based on a District engineering cost estimate.



## SCHEDULE G – WATER MAIN EXTENSION CHARGES

EFFECTIVE 07/01/2025

Requests for the installation of a water main extension must comply with all applicable District Regulations Governing Water Service.

### A. DISTRICT-INSTALLED MAINS

The charge for District-installed main extensions up to 1,000 feet shall be based on the standard charges as specified below.

1. Charge for engineering, inspection, pipeline materials and appurtenances, and installation of the required mains by the District in unpaved streets and in paved streets, excluding fire hydrants and water service connections (which are covered by Schedules D, E, and F) consists of:

- a. Basic installation charge of \$5,327  
plus,

Linear foot charge, for combined length of main extension of 0 to 1,000 feet:

In unpaved streets<sup>1</sup>

|                                 |                |
|---------------------------------|----------------|
| 2-inch PVC pipe                 | \$276 per foot |
| 2-inch Copper pipe              | 321 per foot   |
| 6-inch/8-inch PVC or HDPE pipe  | 436 per foot   |
| 6-inch/8-inch Ductile Iron pipe | 474 per foot   |
| 6-inch/8-inch Steel pipe        | 498 per foot   |
| 12-inch HDPE pipe               | 612 per foot   |
| 12-inch Steel pipe              | 674 per foot   |

In paved streets<sup>2</sup>

|                                 |                |
|---------------------------------|----------------|
| 2-inch PVC pipe                 | \$452 per foot |
| 2-inch Copper pipe              | 497 per foot   |
| 6-inch/8-inch PVC or HDPE pipe  | 598 per foot   |
| 6-inch/8-inch Ductile Iron pipe | 636 per foot   |
| 6-inch/8-inch Steel pipe        | 660 per foot   |
| 12-inch HDPE pipe               | 777 per foot   |
| 12-inch Steel pipe              | 839 per foot   |

- b. The above charges apply to all District-installed mains except when there are unusual or special conditions, for example but not limited to traffic control, permit conditions, underground street utility congestion, known potential for archaeological or paleontological resources, contaminated soils, and streets with multi-layered surface types, which, in the opinion of the District, would result in the need for additional services and materials, including but not limited to hydraulic analysis, property rights

<sup>1</sup> Unpaved streets are limited to conditions where paving has not previously existed and the only existing utilities are sanitary sewer and storm drain. The conditions of the site must not include asphalt, curb, gutter, paving, or first or final lift.

<sup>2</sup> Paved streets are areas already paved and with existing utilities, curb, gutter, and asphalt in place. Paved conditions also include areas where more utilities than sanitary sewer or storm drain exist.



## SCHEDULE G – WATER MAIN EXTENSION CHARGES

EFFECTIVE 07/01/2025

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evaluation, and/or clean soil utility corridor establishment. In such cases, the charge will be based on the District's reasonable estimated cost for the work including all engineering, material, equipment, consumables, labor, and related expenses incidental to the installation.

### 2. Charges for Pipe Greater than 12-Inches

Charges for District-installed mains greater than 12-inches will be based on a District engineering cost estimate.

## B. APPLICANT-INSTALLED MAINS

The charge for Applicant-installed main extensions over 1,000 feet shall be based on the following standard charges:

1. Charge for engineering, inspection, and certain pipeline materials, designated below for the installation of the required water mains by the applicant, excluding fire hydrants and water service connections (which are covered by Schedules D, E, and F) consists of:
  - a. Basic installation charge of \$5,327 plus  
  
Linear foot charge of:

|                                  |               |
|----------------------------------|---------------|
| 6-inch/8-inch diameter pipe      | \$75 per foot |
| 12-inch diameter pipe            | \$88 per foot |
| 16-inch and larger diameter pipe | See B3 below  |
  - b. The charge to the applicant for District-supplied pipe and fittings (which include valves, valve pot covers, blowoffs, and minor appurtenances as identified by District-furnished drawings and specifications) will be the District's cost for these materials including tax and shipping.
  - c. The above charges apply to all Applicant-installed mains except when there are unusual or special conditions, for example but not limited to traffic control, permit conditions, underground street congestion, and streets with multi-layered surface types, which, in the opinion of the District, would result in the need for additional services and materials, including added testing and inspection, changes due to project revisions, property rights evaluation, site conditions or contaminated soil, and any construction by District forces to complete the installation. In such cases, the charge will be based on the District's reasonable estimated cost for the work including all engineering, material, equipment, consumables, labor, and related expenses incidental to the installation.

In all cases the District will supply valves, valve pot covers, blowoffs, and minor appurtenances as identified by District-furnished drawings and specifications.



## SCHEDULE G – WATER MAIN EXTENSION CHARGES

EFFECTIVE 07/01/2025

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2. Credits (where applicable) when pipe to be installed by the applicant is required by the District to be larger than the pipe size needed to serve the applicant or when applicant installs District improvements in conjunction with applicant-installed main extensions will be based on a District engineering cost estimate.

3. Charges for Pipe Greater than 12-Inches

Charges for Applicant-installed mains greater than 12-inches will be based on a District engineering cost estimate.



# Schedule H

## Standard Participation Charge (SPC)

FY 2026



## SCHEDULE H – STANDARD PARTICIPATION CHARGE (SPC)

EFFECTIVE 07/01/2025~~4~~

### A. The Standard Participation Charge for each standard service installed shall be:

| Meter Size    | Gravity Zone <sup>1</sup>         | Pumped Zone <sup>2</sup>          |
|---------------|-----------------------------------|-----------------------------------|
| 5/8" and 3/4" | <del>\$5,300</del> <u>\$4,549</u> | <del>\$7,986</del> <u>\$7,192</u> |
| 1"            | <del>13,250</del> <u>11,372</u>   | <del>19,964</del> <u>17,980</u>   |
| 1-1/2"        | <del>26,500</del> <u>22,743</u>   | <del>39,929</del> <u>35,960</u>   |
| 2"            | <del>42,399</del> <u>36,389</u>   | <del>63,886</del> <u>57,536</u>   |
| 3"            | <del>84,799</del> <u>72,778</u>   | <del>127,772</del> <u>115,072</u> |
| 4"            | <del>132,498</del> <u>113,715</u> | <del>199,644</del> <u>179,801</u> |

The Standard Participation Charge for each meter larger than four inches shall be determined on a case-by-case basis by the District, considering such factors as the projected demand which the service would impose on the District's system, the maximum intermittent flow rate of the meter compared to a 5/8" meter, and whether the service is solely domestic or is combined with a fire service. In no event shall the standard participation charge for a meter larger than four inches be less than \$~~132,498~~113,715 in gravity zones or \$~~199,644~~179,801 in pumped zones.

<sup>1</sup> This charge covers general water main oversizing and future water supply.

<sup>2</sup> This charge covers major facilities capacity, water main oversizing and future water supply.



## SCHEDULE H – STANDARD PARTICIPATION CHARGE (SPC)

EFFECTIVE 07/01/2025

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### A. The Standard Participation Charge for each standard service installed shall be:

| Meter Size    | Gravity Zone <sup>1</sup> | Pumped Zone <sup>2</sup> |
|---------------|---------------------------|--------------------------|
| 5/8" and 3/4" | \$5,300                   | \$7,986                  |
| 1"            | 13,250                    | 19,964                   |
| 1-1/2"        | 26,500                    | 39,929                   |
| 2"            | 42,399                    | 63,886                   |
| 3"            | 84,799                    | 127,772                  |
| 4"            | 132,498                   | 199,644                  |

The Standard Participation Charge for each meter larger than four inches shall be determined on a case-by-case basis by the District, considering such factors as the projected demand which the service would impose on the District's system, the maximum intermittent flow rate of the meter compared to a 5/8" meter, and whether the service is solely domestic or is combined with a fire service. In no event shall the standard participation charge for a meter larger than four inches be less than \$132,498 in gravity zones or \$199,644 in pumped zones.

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<sup>1</sup> This charge covers general water main oversizing and future water supply.

<sup>2</sup> This charge covers major facilities capacity, water main oversizing and future water supply.

# Schedule J

## System Capacity Charge (SCC)

FY 2026



## SCHEDULE J – SYSTEM CAPACITY CHARGE (SCC)

EFFECTIVE 07/01/2025<sup>4</sup>

### A. SCC FOR STANDARD SERVICE<sup>1</sup>

The SCC is calculated based on the applicant's projected average annual demand.

1. Non-Residential Service Connections SCC<sup>2</sup> for meters up to 1-1/2 inches (dollars per connection)

| METER<br>SIZE<br>(INCHES) | REGION <sup>3</sup>          |                              |                              |
|---------------------------|------------------------------|------------------------------|------------------------------|
|                           | 1                            | 2                            | 3                            |
| 5/8                       | <del>\$17,972</del> \$17,190 | <del>\$34,186</del> \$33,139 | <del>\$38,127</del> \$36,667 |
| 3/4                       | <del>29,368</del> 28,092     | <del>48,925</del> 47,427     | <del>58,351</del> 56,116     |
| 1                         | <del>55,887</del> 53,458     | <del>87,615</del> 84,932     | <del>103,938</del> 99,956    |
| 1-1/2                     | <del>145,746</del> 139,411   | <del>248,720</del> 241,105   | <del>256,032</del> 246,224   |

The District reserves the right to request additional information, including specific water use information from the applicant. The District reserves the right to determine the appropriate meter size to serve the applicant's projected demand needs and assess the SCC using this Section (A)(1). If the District determines that the applicant's projected average annual demand exceeds 3,200 gallons per day (gpd) for non-residential service connections or that a meter larger than 1-1/2 inches is required to meet the applicant's projected demand needs, this Section (A)(1) no longer applies. For projected average annual demand exceeding 3,200 gpd for non-residential service connections and/or meters larger than 1-1/2 inches, Section(A)(3) shall be used to determine the SCC based on the applicant's projected average annual demand and the unit charges set forth therein. The District's decision regarding the applicable SCC shall be final.

For service connections with meters larger than 1-1/2 inch see Section 3.

<sup>1</sup> This charge covers the cost of System-wide Facilities Buy-in, Regional Facilities Buy-in and Future Water Supply.

<sup>2</sup> The SCC charged to the applicant will be based on the water meter size required to meet the indoor needs (excluding private fire service needs) and outdoor watering needs of the premises as determined solely by the District based on the plumbing code, the District's review, and water industry standards. The meter(s) that is installed may be larger than the meter size that is used to determine the applicable SCC fee if the service is combined with a private fire service or if a separate irrigation meter is required (See Sections D – Combined Standard and Fire Service and I – Required Separate Irrigation Meter for Single-family Premises.)

| <sup>3</sup> REGION | GENERAL DESCRIPTION  |
|---------------------|--|
| 1                   | Central Area (gravity zones West-of-Hills)<br>El Sobrante and North (pumped zones)   |
| 2                   | South of El Sobrante to vicinity of Highway 24 (pumped zone)<br>South from vicinity of Highway 24 (pumped zones)<br>Castro Valley Area (pumped zones)<br>North Oakland Hill Area (pumped zones, formerly 4A) |
| 3                   | Orinda-Moraga-Lafayette Area (pumped zones)<br>San Ramon Valley and Walnut Creek (pumped and gravity zones)  |



## SCHEDULE J – SYSTEM CAPACITY CHARGE (SCC)

EFFECTIVE 07/01/2025~~4~~

2. Single-family Service Connections SCC<sup>2</sup> with typical use demand patterns that can be served by meters up to 1-1/2 inches (dollars per connection)

| METER<br>SIZE<br>(INCHES) | REGION <sup>3</sup>                    |  |  |
|---------------------------|--|--|--|
|                           | 1                                      | 2                                      | 3                                      |
| 3/4                       | <del>\$13,881</del><br><u>\$13,277</u> | <del>\$21,494</del><br><u>\$20,836</u> | <del>\$40,614</del><br><u>\$39,058</u> |
| 1                         | <del>19,725</del><br><u>18,868</u>     | <del>46,059</del><br><u>44,649</u>     | <del>62,164</del><br><u>59,783</u>     |
| 1-1/2                     | <del>25,204</del><br><u>24,109</u>     | <del>59,365</del><br><u>57,548</u>     | <del>79,984</del><br><u>76,920</u>     |

The District reserves the right to request additional information, including specific water use information, from the applicant. The District reserves the right to determine the appropriate meter size to serve the applicants projected demand needs and assess the SCC using this Section (A)(2).

Where two or more single-family dwelling ~~units~~ are located on one premises the District shall determine the appropriate meter size for each single-family dwelling individually and determine the SCC in for each dwelling in accordance with Section (A)(2).

For service connections with larger meters or greater than 1,940 gpd projected average annual demand for single-family residential service, Section(A)(3) shall be used to determine the SCC based on the applicant's projected average annual demand and the unit charges set forth therein. The District's decision regarding the applicable SCC shall be final.

For an increase or change in water use caused by the creation of an accessory dwelling unit or junior accessory dwelling unit on a premises, installation fees and capacity charges will be imposed only as authorized by Chapter 13 of Division 1 of Title 7 of the Government Code.



## SCHEDULE J – SYSTEM CAPACITY CHARGE (SCC)

EFFECTIVE 07/01/2025<sup>4</sup>

### 3. SCC for Larger Meters

The SCC for service connections with meters larger than 1-1/2 inches shall be determined on a case-by-case basis by the District based on water use information furnished by the applicant and applying the same unit charge and criteria as apply to the SCC for smaller meters. The SCC will be calculated based on the unit charges for each of the four components listed below:

| Component                              | Unit Charge (\$/100 gpd)  |
|--|---------------------------|
| Post-2000 (Add'l Regions 3C & 3D only) | SCC Region Specific       |
| Regional Facilities Buy-in             | SCC Region Specific       |
| System-wide Facilities Buy-in          | \$ <del>4,160</del> 4,039 |
| Future Water Supply <sup>4</sup>       | <del>1,203</del> 1,017    |

The unit charges for the components that are specific to a SCC Region are:

| Region | Post-2000 Component        | Regional Facilities Buy-In Component |
|--------|----------------------------|--------------------------------------|
| 1      | n/a                        | <del>\$1,942</del> \$1,932           |
| 2      | n/a                        | <del>4,872</del> 4,866               |
| 3      | n/a                        | <del>2,925</del> 2,915               |
| 3C     | <del>\$8,204</del> \$7,876 | <del>2,443</del> 2,448               |
| 3D     | <del>8,204</del> 7,876     | <del>2,443</del> 2,448               |

In no instance will the SCC for a meter larger than 1-1/2 inches be less than the 1-1/2 inch charge from the appropriate Section 1 or 2, above.

The SCC will be determined by multiplying the sum of the unit charge of the four components by the water use information furnished by the applicant.

If the District has determined, based on water use information furnished by the applicant, that a meter size larger than 1-1/2 inches is required to meet the applicant's projected demand needs or if the projected average annual demand exceeds 3,200 gpd (non-residential) or 1,940 gpd (single-family residential), the SCC shall be calculated pursuant to this subdivision irrespective of the arrangement of water metering or meter size at the premises.

<sup>4</sup> The Future Water Supply component for Region 3C is based on 1993 agreement (see Section B1).



## SCHEDULE J – SYSTEM CAPACITY CHARGE (SCC)

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### 4. SCC for Standard Service to Multi-Family Premises

The System Capacity Charge for water service at multi-family premises shall be as listed below.

| Multi-Family Premises                                     |                                 |                                   |                                 |
|---|---------------------------------|-----------------------------------|---------------------------------|
| Dollars per Dwelling-Unit (DU)                            |                                 |                                   |                                 |
| REGION <sup>5</sup>                                       |                                 |                                   |                                 |
|   | 1                               | 2                                 | 3                               |
| For Dwelling-Units 500 square feet and under <sup>6</sup> | <u>\$6,940</u> <del>6,639</del> | <u>\$9,724</u> <del>9,426</del>   | <u>\$7,874</u> <del>7,572</del> |
| For Dwelling-Units Over 500 square feet                   | <u>8,767</u> <del>\$8,386</del> | <u>12,282</u> <del>\$11,906</del> | <u>9,946</u> <del>\$9,565</del> |

The above SCC shall apply regardless of the arrangement of water metering or meter size at the premises; however, the District may limit the size and number of service connections to a combined capacity appropriate to the anticipated water use at the premises. No additional SCC shall be applicable to provide irrigation for landscaping on the premises for landscape areas up to 5,000 square feet. All other rates and charges shall be based on actual number and size of meters and does not apply to the requirements listed below.

An SCC shall be applicable for separate meters installed to serve landscape areas greater than 5,000 square feet and for other water uses in the vicinity of the multi-family premises, such as irrigation of open space areas, parks, roadway medians, golf courses, community clubhouse and recreational facilities, and areas designated for public use. The SCC shall be based on meter size as provided under A.1 above. If these other water uses are included in the water service connection to the multi-family premises, the District shall, for purposes of determining the applicable SCC, determine the equivalent meter size for these uses based on plumbing code and water industry standards, as if there were a separate service connection.

For an increase or change in water use caused by the creation of an accessory dwelling unit or junior accessory dwelling unit on a premises, installation fees and capacity charges will be imposed only as authorized by Chapter 13 of Division 1 of Title 7 of the Government Code.

<sup>5</sup> Same regions as described in A.2.

<sup>6</sup> The applicant must submit sufficient documentation, as determined by the District, from the local building department that shows the dwelling-unit living space square footage is 500 square feet or less for any dwelling-unit to qualify for the 500 and under square foot MFR SCC. Documentation can be approved architectural drawings or other approved records of the dwelling-unit living space.





## SCHEDULE J – SYSTEM CAPACITY CHARGE (SCC)

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### B. SEPARATE SCC FOR STANDARD SERVICE FOR ADDITIONAL REGIONS<sup>7</sup>

The System Capacity Charge ~~for non-residential and for single family residential water service at premises other than multi-family premises~~ shall be as follows (dollars per connection):

1. Non-residential water service at premises other than multi-family premises shall be as follows (dollars per connections)

| METER SIZE<br>(INCHES) | ADDITIONAL REGION <sup>8</sup> |                                       |
|------------------------|--------------------------------|---------------------------------------|
|                        | 3C <sup>9</sup>                | 3-D                                   |
| 5/8                    | n/a                            | <del>\$119,192</del> <u>\$124,083</u> |
| 3/4                    | n/a                            | <del>178,788</del> <u>186,125</u>     |
| 1                      | n/a                            | <del>298,575</del> <u>310,828</u>     |
| 1-1/2                  | n/a                            | <del>597,151</del> <u>621,657</u>     |

For service connections with larger meters see Section 3 below.

2. Single-family service connections shall be as follows (dollars per connections)

| METER SIZE<br>(INCHES) | ADDITIONAL REGION <sup>8</sup>        |                                       |
|------------------------|---------------------------------------|---------------------------------------|
|                        | 3C <sup>9</sup>                       | 3-D                                   |
| 3/4                    | <del>\$117,214</del> <u>\$120,665</u> | <del>\$119,192</del> <u>\$124,083</u> |
| 1                      | <del>195,748</del> <u>201,510</u>     | <del>199,050</del> <u>207,219</u>     |
| 1-1/2                  | <del>391,495</del> <u>403,020</u>     | <del>398,101</del> <u>414,438</u>     |

For an increase or change in water use caused by the creation of an accessory dwelling unit or junior accessory dwelling unit on a premises, installation fees and capacity charges will be imposed only as authorized by Chapter 13 of Division 1 of

<sup>7</sup> This charge covers the cost of System-wide Facilities Buy-In, Regional Facilities Buy-In and Future Water Supply. The Additional Regions are low-density, residential in nature. It is not anticipated that meters larger than 3/4-inch (excluding fire flow requirements) will be installed in these Regions.

| ADDITIONAL REGION              | GENERAL DESCRIPTION   |
|--------------------------------|---|
| 3-C                            | South of Norris Canyon Road (pumped zones)                        |
| 3-D                            | South of Norris Canyon Road outside Wiedemann Ranch (pumped zone) |
| <sup>8</sup> ADDITIONAL REGION | GENERAL DESCRIPTION   |
| 3-C                            | South of Norris Canyon Road (pumped zones)                        |
| 3-D                            | South of Norris Canyon Road outside Wiedemann Ranch (pumped zone) |

<sup>9</sup> The Future Water Supply component of the SCC for Region 3C is set by the July 20, 1993 Wiedemann Agreement, indexed to the U.S. City Average of the Consumer Price Index and used by EBMUD to fund conservation programs. The total Future Water Supply component of the SCC for the common areas in Region 3C shall be paid as a condition for the issuance of the first water meter for the common area. The SCC for non-residential services (e.g., common area irrigation) shall be uniquely calculated in accordance with the Wiedemann Agreement.



## SCHEDULE J – SYSTEM CAPACITY CHARGE (SCC)

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Title 7 of the Government Code. For service connections with larger meters see Section 3.

### 3. SCC for Larger Meters

The SCC for service connections with meters larger than 1-1/2 inches shall be determined on a case-by-case basis by the District based on water use information furnished by the applicant and applying the same cost components and criteria as apply to the SCC for smaller meters. (See Section A.3)

### 4. Separate SCC for Standard Service to Multi-Family Premises

The SCC for water service at multi-family premises shall be as listed below.

| Multi-Family Premises            |                     |                     |                     |
|----------------------------------|---------------------|---------------------|---------------------|
| Dollars per Dwelling-Unit        |                     |                     |                     |
| ADDITIONAL REGIONS <sup>10</sup> |                     |                     |                     |
|                                  |                     | 3-C                 | 3-D                 |
| For each Dwelling-Unit           | <del>\$46,553</del> | <del>\$45,222</del> | <del>\$43,549</del> |

The above SCC shall apply regardless of the arrangement of water metering or meter size at the premises; however, the District may limit the size and number of service connections to a combined capacity appropriate to the anticipated water use at the premises. No additional SCC shall be applicable for separate meters installed to provide irrigation for landscaping on the premises for landscape areas up to 5,000 square feet. All other charges shall be based on actual number and size of meters and do not apply to the requirements listed below.

An SCC shall be applicable for separate meters installed to serve landscape areas greater than 5,000 square feet and for other water uses in the vicinity of the multi-family premises, such as irrigation of open space areas, parks, roadway medians, golf courses, community clubhouse and recreational facilities, and areas designated for public use. The SCC shall be based on meter size as provided under B.1 above. If these other water uses are included in the water service connection to the multi-family premises, the District shall, for purposes of determining the applicable SCC, determine the equivalent meter size for these uses based on plumbing code and water industry standards, as if there were a separate service connection.

For an increase or change in water use caused by the creation of an accessory dwelling unit or junior accessory dwelling unit on a premises, installation fees and capacity charges will be imposed only as authorized by Chapter 13 of Division 1 of Title 7 of the Government Code.

<sup>10</sup> Same regions as described in B.1.



## SCHEDULE J – SYSTEM CAPACITY CHARGE (SCC)

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### C. LOW-PRESSURE SERVICE

Where a larger meter is installed because of low-pressure conditions, the applicable System Capacity Charge shall be determined on the basis of the size of the meter which would be required for a standard service as determined by the District based on plumbing code and water industry standards. All other rates and charges shall be based on actual meter size.

### D. COMBINATION STANDARD AND FIRE SERVICE

Where a meter is installed to provide both standard service and a supply to a private fire protection system, at other than multi-family premises, the applicable System Capacity Charge shall be based on the meter size required for standard service exclusive of the capacity for supplying the fire protection system as determined by the District based on plumbing code, fire protection code and water industry standards. The installation charges shown in Schedule D and all other rates and charges pertaining to the service shall be based on the actual size of the meter that is installed.

### E. FIRE SERVICES AND STANDBY SERVICES

For fire services and standby services (additional service connections for security of supply), there shall be no System Capacity Charges.

### F. ADDITIONAL WATER USE ON PREMISES RECEIVING SERVICE

The System Capacity Charge applicable to enlargement of an existing service at other than multi-family premises shall be based on the difference in SCC for the new service size and the existing service size.

The District may assess additional System Capacity Charges to an existing service at other than multi-family premises with services larger than 1-1/2" in accordance with section A.3.

If additional dwelling-units are constructed on premises subsequent to the installation of service and payment of an SCC under A or B, then the SCC applicable to each additional dwelling-unit shall be immediately due and payable.

### G. CREDIT FOR EXISTING SERVICES

Where one or more new services will replace one or more existing or prior services or will expand an existing service to a premises where an SCC was paid to initiate the water service, a credit will be given toward the new SCC based on the customer classification, meter size or water use information that was used to calculate the initial SCC payment (see Section A – SCC for Standard Service). For instances where the existing or prior services were installed prior to 1983 and no SCC was paid, the SCC credit for meter sizes under 2" will be based on Sections A – SCC for Standard Service. For existing or prior services with meter sizes 2" and greater where no SCC was paid, the annual average of the past ten years of water consumption will be used to determine the SCC credit, but in no instance will the



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credit be less than that of a 1.5" meter size for the customer classification listed in Sections A.1 and A.2 – SCC for Standard Service. No SCC credit will be given unless prior service to the premises is verified. If the SCC is paid with the service connection to be completed by meter installation at a later date, and existing service(s) are to remain in service until that time, the applicable credit for the existing service(s) will be in the form of a refund when the existing services are removed. The SCC credit cannot be applied to a standby meter, fire service meter, or in the case of a dual service meter, the portion of the meter oversized for the private fire protection system. Where the initial SCC payment was made under Schedule J Section I – Required Separate Irrigation Meter for Single-family Premises, the SCC credit cannot be applied to the separate irrigation meter without a SCC credit on the residential meter. The SCC credit for an existing service can only be applied to the premises where the existing service is located. "Premises" is defined in Section 1 of the District's Regulations Governing Water Service.

For a common area meters installed under the July 20, 1993 Wiedemann Agreement, credit toward a new SCC for these meters will be based on the actual SCC payment for each meter installed, not based on the size of the existing meter.

No credit will be provided for Accessory Dwelling Units that did not pay an initial SCC regardless of metering arrangements.

### **H. TEMPORARY CONSTRUCTION SERVICE**

A System Capacity Charge paid on a temporary construction service will be refunded if said service is removed within a 1-year period after installation.

### **I. REQUIRED SEPARATE IRRIGATION METER FOR SINGLE-FAMILY PREMISES**

If an irrigation meter is required for a single-family premises because the irrigable landscape area meets or exceeds the applicable threshold in Section 31 of the Regulations, two meters will be installed – one for the indoor and private fire service (if applicable) needs of the building and a separate meter dedicated for irrigation. One single-family premises SCC shall be applicable based on the hydraulic capacity needed to serve the irrigation and indoor needs. The hydraulic capacity of the installed meter or meters will be equal to or exceed the hydraulic capacity of the meter size that was charged in the SCC fee. The installation charges shown in Schedule D and all other rates and charges pertaining to the service(s) based on the actual size of the meter(s) that are installed shall apply.



## SCHEDULE J – SYSTEM CAPACITY CHARGE (SCC)

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### J. NONPOTABLE WATER SERVICE

#### 1. Nonpotable Water Service Connections (dollars per connection)

| METER SIZE<br>(INCHES) | REGION                               |                                      |                                      |
|------------------------|--------------------------------------|--------------------------------------|--------------------------------------|
|                        | 1                                    | 2                                    | 3                                    |
| 5/8                    | <del>\$2,959</del><br><u>\$2,502</u> | <del>\$4,018</del><br><u>\$3,397</u> | <del>\$5,533</del><br><u>\$4,678</u> |
| 3/4                    | <del>4,836</del><br><u>4,088</u>     | <del>5,750</del><br><u>4,861</u>     | <del>8,468</del><br><u>7,160</u>     |
| 1                      | <del>9,202</del><br><u>7,780</u>     | <del>10,297</del><br><u>8,706</u>    | <del>15,084</del><br><u>12,753</u>   |
| 1-1/2                  | <del>23,998</del><br><u>20,289</u>   | <del>29,230</del><br><u>24,713</u>   | <del>37,158</del><br><u>31,415</u>   |

All SCCs for nonpotable water service connections with meters larger than 1-1/2 inches shall be determined by applying the Future Water Supply Component unit charge to the defined projected water demand approved by the District. The SCC will not be less than the 1-1/2 inch meter charge by region noted above.

### K. POTABLE AND NONPOTABLE SERVICES

An SCC shall be applicable for separate meters installed to provide potable and nonpotable standard service, based on the meter size(s) for each service.

### L. ADJUSTMENT OF SCC FOR WATER-CONSERVING LANDSCAPING ON PUBLICLY OWNED PROPERTY

To further encourage water conservation, the SCC for a water service connection exclusively for irrigation of landscaping on property owned by a public agency may be reduced or not required based on long-term water service needs after an initial planting establishment period of not more than three years (the “initial period”); provided that (1) the landscape plan incorporates drought-tolerant and other low-water-use planting materials on a major part of the landscaped area, and (2) the long-term water need would result in replacement of the initial water meter with a smaller meter or water service would be discontinued and removed at the end of the initial period, as solely determined by the District.

A public agency applying for water service under such conditions shall submit a written request to the District prior to the time of payment of the SCC. The request shall set forth in detail the facts supporting an adjustment of the SCC, shall include information and plans clearly describing the planting materials and irrigation system, and shall include data and calculations clearly demonstrating the estimated initial and long-term water needs.

If the District determines that the SCC can be based on a smaller meter or discontinuation of service after the initial period, the public agency shall enter into a water service agreement which provided for (1) payment of the reduced SCC prior to installation of service; (2)



## SCHEDULE J – SYSTEM CAPACITY CHARGE (SCC)

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verification of the long-term need at the end of the period; and (3) payment of the additional SCC required if the initial meter is not to be replaced, if the replacement meter is larger than initially determined, or if water service is not discontinued and removed. If additional SCC payment is required, it shall be based on the charges in effect at the time of initial SCC payment, and shall be due and payable within 30 days of written notice from the District. The agreement shall be binding upon all subsequent owners of the property and shall be recorded.

Installation charges for the service connection shall be based on the meter size initially installed.

The above-mentioned SCC adjustments do not apply to nonpotable water service accounts.



## SCHEDULE J – SYSTEM CAPACITY CHARGE (SCC)

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### A. SCC FOR STANDARD SERVICE<sup>1</sup>

The SCC is calculated based on the applicant's projected average annual demand.

1. Non-Residential Service Connections SCC<sup>2</sup> for meters up to 1-1/2 inches (dollars per connection)

| METER<br>SIZE<br>(INCHES) | REGION <sup>3</sup> |          |          |
|---------------------------|---------------------|----------|----------|
|                           | 1                   | 2        | 3        |
| 5/8                       | \$17,972            | \$34,186 | \$38,127 |
| 3/4                       | 29,368              | 48,925   | 58,351   |
| 1                         | 55,887              | 87,615   | 103,938  |
| 1-1/2                     | 145,746             | 248,720  | 256,032  |

The District reserves the right to request additional information, including specific water use information from the applicant. The District reserves the right to determine the appropriate meter size to serve the applicant's projected demand needs and assess the SCC using this Section (A)(1). If the District determines that the applicant's projected average annual demand exceeds 3,200 gallons per day (gpd) for non-residential service connections or that a meter larger than 1-1/2 inches is required to meet the applicant's projected demand needs, this Section (A)(1) no longer applies. For projected average annual demand exceeding 3,200 gpd for non-residential service connections and/or meters larger than 1-1/2 inches, Section(A)(3) shall be used to determine the SCC based on the applicant's projected average annual demand and the unit charges set forth therein. The District's decision regarding the applicable SCC shall be final.

For service connections with meters larger than 1-1/2 inch see Section 3.

<sup>1</sup> This charge covers the cost of System-wide Facilities Buy-in, Regional Facilities Buy-in and Future Water Supply.

<sup>2</sup> The SCC charged to the applicant will be based on the water meter size required to meet the indoor needs (excluding private fire service needs) and outdoor watering needs of the premises as determined solely by the District based on the plumbing code, the District's review, and water industry standards. The meter(s) that is installed may be larger than the meter size that is used to determine the applicable SCC fee if the service is combined with a private fire service or if a separate irrigation meter is required (See Sections D – Combined Standard and Fire Service and I – Required Separate Irrigation Meter for Single-family Premises.)

| <sup>3</sup> REGION | GENERAL DESCRIPTION  |
|---------------------|--|
| 1                   | Central Area (gravity zones West-of-Hills)<br>El Sobrante and North (pumped zones)   |
| 2                   | South of El Sobrante to vicinity of Highway 24 (pumped zone)<br>South from vicinity of Highway 24 (pumped zones)<br>Castro Valley Area (pumped zones)<br>North Oakland Hill Area (pumped zones, formerly 4A) |
| 3                   | Orinda-Moraga-Lafayette Area (pumped zones)<br>San Ramon Valley and Walnut Creek (pumped and gravity zones)  |



## SCHEDULE J – SYSTEM CAPACITY CHARGE (SCC)

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2. Single-family Service Connections SCC<sup>2</sup> with typical use demand patterns that can be served by meters up to 1-1/2 inches (dollars per connection)

| METER<br>SIZE<br>(INCHES) | REGION <sup>3</sup> |          |          |
|---------------------------|---------------------|----------|----------|
|                           | 1                   | 2        | 3        |
| 3/4                       | \$13,881            | \$21,494 | \$40,614 |
| 1                         | 19,725              | 46,059   | 62,164   |
| 1-1/2                     | 25,204              | 59,365   | 79,984   |

The District reserves the right to request additional information, including specific water use information, from the applicant. The District reserves the right to determine the appropriate meter size to serve the applicants projected demand needs and assess the SCC using this Section (A)(2).

Where two or more single-family dwellings are located on one premises the District shall determine the appropriate meter size for each single-family dwelling individually and determine the SCC in for each dwelling in accordance with Section (A)(2).

For service connections with larger meters or greater than 1,940 gpd projected average annual demand for single-family residential service, Section(A)(3) shall be used to determine the SCC based on the applicant's projected average annual demand and the unit charges set forth therein. The District's decision regarding the applicable SCC shall be final.

For an increase or change in water use caused by the creation of an accessory dwelling unit or junior accessory dwelling unit on a premises, installation fees and capacity charges will be imposed only as authorized by Chapter 13 of Division 1 of Title 7 of the Government Code.





## SCHEDULE J – SYSTEM CAPACITY CHARGE (SCC)

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### 3. SCC for Larger Meters

The SCC for service connections with meters larger than 1-1/2 inches shall be determined on a case-by-case basis by the District based on water use information furnished by the applicant and applying the same unit charge and criteria as apply to the SCC for smaller meters. The SCC will be calculated based on the unit charges for each of the four components listed below:

| Component                              | Unit Charge (\$/100 gpd) |
|--|--------------------------|
| Post-2000 (Add'l Regions 3C & 3D only) | SCC Region Specific      |
| Regional Facilities Buy-in             | SCC Region Specific      |
| System-wide Facilities Buy-in          | \$4,160                  |
| Future Water Supply <sup>4</sup>       | 1,203                    |

The unit charges for the components that are specific to a SCC Region are:

| Region | Post-2000 Component | Regional Facilities Buy-In Component |
|--------|---------------------|--------------------------------------|
| 1      | n/a                 | \$1,942                              |
| 2      | n/a                 | 4,872                                |
| 3      | n/a                 | 2,925                                |
| 3C     | \$8,204             | 2,443                                |
| 3D     | 8,204               | 2,443                                |

In no instance will the SCC for a meter larger than 1-1/2 inches be less than the 1-1/2 inch charge from the appropriate Section 1 or 2, above.

The SCC will be determined by multiplying the sum of the unit charge of the four components by the water use information furnished by the applicant.

If the District has determined, based on water use information furnished by the applicant, that a meter size larger than 1-1/2 inches is required to meet the applicant's projected demand needs or if the projected average annual demand exceeds 3,200 gpd (non-residential) or 1,940 gpd (single-family residential), the SCC shall be calculated pursuant to this subdivision irrespective of the arrangement of water metering or meter size at the premises.

<sup>4</sup> The Future Water Supply component for Region 3C is based on 1993 agreement (see Section B1).



## SCHEDULE J – SYSTEM CAPACITY CHARGE (SCC)

EFFECTIVE 07/01/2025

### 4. SCC for Standard Service to Multi-Family Premises

The System Capacity Charge for water service at multi-family premises shall be as listed below.

|  | Multi-Family Premises<br>Dollars per Dwelling |         |         |
|--|---|---------|---------|
|  | REGION <sup>5</sup>                           |         |         |
|  | 1   | 2       | 3       |
| For Dwellings 500 square feet and under <sup>6</sup> | \$6,940                                       | \$9,724 | \$7,874 |
| For Dwellings Over 500 square feet                   | 8,767   | 12,282  | 9,946   |

The above SCC shall apply regardless of the arrangement of water metering or meter size at the premises; however, the District may limit the size and number of service connections to a combined capacity appropriate to the anticipated water use at the premises. No additional SCC shall be applicable to provide irrigation for landscaping on the premises for landscape areas up to 5,000 square feet. All other rates and charges shall be based on actual number and size of meters and does not apply to the requirements listed below.

An SCC shall be applicable for separate meters installed to serve landscape areas greater than 5,000 square feet and for other water uses in the vicinity of the multi-family premises, such as irrigation of open space areas, parks, roadway medians, golf courses, community clubhouse and recreational facilities, and areas designated for public use. The SCC shall be based on meter size as provided under A.1 above. If these other water uses are included in the water service connection to the multi-family premises, the District shall, for purposes of determining the applicable SCC, determine the equivalent meter size for these uses based on plumbing code and water industry standards, as if there were a separate service connection.

For an increase or change in water use caused by the creation of an accessory dwelling unit or junior accessory dwelling unit on a premises, installation fees and capacity charges will be imposed only as authorized by Chapter 13 of Division 1 of Title 7 of the Government Code.

<sup>5</sup> Same regions as described in A.2.

<sup>6</sup> The applicant must submit sufficient documentation, as determined by the District, from the local building department that shows the dwelling living space square footage is 500 square feet or less for any dwelling to qualify for the 500 and under square foot MFR SCC. Documentation can be approved architectural drawings or other approved records of the dwelling living space.



## SCHEDULE J – SYSTEM CAPACITY CHARGE (SCC)

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### B. SEPARATE SCC FOR STANDARD SERVICE FOR ADDITIONAL REGIONS<sup>7</sup>

The System Capacity Charge shall be as follows (dollars per connection):

1. Non-residential water service at premises other than multi-family premises shall be as follows (dollars per connections)

| METER SIZE<br>(INCHES) | ADDITIONAL REGION <sup>8</sup> |           |
|------------------------|--------------------------------|-----------|
|                        | 3C <sup>9</sup>                | 3-D       |
| 5/8                    | n/a                            | \$124,083 |
| 3/4                    | n/a                            | 186,125   |
| 1                      | n/a                            | 310,828   |
| 1-1/2                  | n/a                            | 621,657   |

For service connections with larger meters see Section 3 below.

2. Single-family service connections shall be as follows (dollars per connections)

| METER SIZE<br>(INCHES) | ADDITIONAL REGION <sup>8</sup> |           |
|------------------------|--------------------------------|-----------|
|                        | 3C <sup>9</sup>                | 3-D       |
| 3/4                    | \$120,665                      | \$124,083 |
| 1                      | 201,510                        | 207,219   |
| 1-1/2                  | 403,020                        | 414,438   |

For an increase or change in water use caused by the creation of an accessory dwelling unit or junior accessory dwelling unit on a premises, installation fees and capacity charges will be imposed only as authorized by Chapter 13 of Division 1 of Title 7 of the Government Code. For service connections with larger meters see Section 3.

<sup>7</sup> This charge covers the cost of System-wide Facilities Buy-In, Regional Facilities Buy-In and Future Water Supply. The Additional Regions are low-density, residential in nature. It is not anticipated that meters larger than 3/4-inch (excluding fire flow requirements) will be installed in these Regions.

| <sup>8</sup> ADDITIONAL REGION | GENERAL DESCRIPTION   |
|--------------------------------|---|
| 3-C                            | South of Norris Canyon Road (pumped zones)                        |
| 3-D                            | South of Norris Canyon Road outside Wiedemann Ranch (pumped zone) |

<sup>9</sup> The Future Water Supply component of the SCC for Region 3C is set by the July 20, 1993 Wiedemann Agreement, indexed to the U.S. City Average of the Consumer Price Index and used by EBMUD to fund conservation programs. The total Future Water Supply component of the SCC for the common areas in Region 3C shall be paid as a condition for the issuance of the first water meter for the common area. The SCC for non-residential services (e.g., common area irrigation) shall be uniquely calculated in accordance with the Wiedemann Agreement.



## SCHEDULE J – SYSTEM CAPACITY CHARGE (SCC)

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### 3. SCC for Larger Meters

The SCC for service connections with meters larger than 1-1/2 inches shall be determined on a case-by-case basis by the District based on water use information furnished by the applicant and applying the same cost components and criteria as apply to the SCC for smaller meters. (See Section A.3)

### 4. Separate SCC for Standard Service to Multi-Family Premises

The SCC for water service at multi-family premises shall be as listed below.

|                   | Multi-Family Premises<br>Dollars per Dwelling |          |
|-------------------|---|----------|
|                   | ADDITIONAL REGIONS <sup>10</sup>              |          |
|                   | 3-C   | 3-D      |
| For each Dwelling | \$46,553                                      | \$43,549 |

The above SCC shall apply regardless of the arrangement of water metering or meter size at the premises; however, the District may limit the size and number of service connections to a combined capacity appropriate to the anticipated water use at the premises. No additional SCC shall be applicable for separate meters installed to provide irrigation for landscaping on the premises for landscape areas up to 5,000 square feet. All other charges shall be based on actual number and size of meters and do not apply to the requirements listed below.

An SCC shall be applicable for separate meters installed to serve landscape areas greater than 5,000 square feet and for other water uses in the vicinity of the multi-family premises, such as irrigation of open space areas, parks, roadway medians, golf courses, community clubhouse and recreational facilities, and areas designated for public use. The SCC shall be based on meter size as provided under B.1 above. If these other water uses are included in the water service connection to the multi-family premises, the District shall, for purposes of determining the applicable SCC, determine the equivalent meter size for these uses based on plumbing code and water industry standards, as if there were a separate service connection.

For an increase or change in water use caused by the creation of an accessory dwelling unit or junior accessory dwelling unit on a premises, installation fees and capacity charges will be imposed only as authorized by Chapter 13 of Division 1 of Title 7 of the Government Code.

<sup>10</sup> Same regions as described in B.1.



## **SCHEDULE J – SYSTEM CAPACITY CHARGE (SCC)**

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### **C. LOW-PRESSURE SERVICE**

Where a larger meter is installed because of low-pressure conditions, the applicable System Capacity Charge shall be determined on the basis of the size of the meter which would be required for a standard service as determined by the District based on plumbing code and water industry standards. All other rates and charges shall be based on actual meter size.

### **D. COMBINATION STANDARD AND FIRE SERVICE**

Where a meter is installed to provide both standard service and a supply to a private fire protection system, at other than multi-family premises, the applicable System Capacity Charge shall be based on the meter size required for standard service exclusive of the capacity for supplying the fire protection system as determined by the District based on plumbing code, fire protection code and water industry standards. The installation charges shown in Schedule D and all other rates and charges pertaining to the service shall be based on the actual size of the meter that is installed.

### **E. FIRE SERVICES AND STANDBY SERVICES**

For fire services and standby services (additional service connections for security of supply), there shall be no System Capacity Charges.

### **F. ADDITIONAL WATER USE ON PREMISES RECEIVING SERVICE**

The System Capacity Charge applicable to enlargement of an existing service at other than multi-family premises shall be based on the difference in SCC for the new service size and the existing service size.

The District may assess additional System Capacity Charges to an existing service at other than multi-family premises with services larger than 1-1/2" in accordance with section A.3.

If additional dwellings are constructed on premises subsequent to the installation of service and payment of an SCC under A or B, then the SCC applicable to each additional dwelling shall be immediately due and payable.

### **G. CREDIT FOR EXISTING SERVICES**

Where one or more new services will replace one or more existing or prior services or will expand an existing service to a premises where an SCC was paid to initiate the water service, a credit will be given toward the new SCC based on the customer classification, meter size or water use information that was used to calculate the initial SCC payment (see Section A – SCC for Standard Service). For instances where the existing or prior services were installed prior to 1983 and no SCC was paid, the SCC credit for meter sizes under 2" will be based on Sections A – SCC for Standard Service. For existing or prior services with meter sizes 2" and greater where no SCC was paid, the annual average of the past ten years of water consumption will be used to determine the SCC credit, but in no instance will the credit be less than that of a 1.5" meter size for the customer classification listed in Sections A.1 and A.2 – SCC for Standard Service. No SCC credit will be given unless prior service to



## SCHEDULE J – SYSTEM CAPACITY CHARGE (SCC)

EFFECTIVE 07/01/2025

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the premises is verified. If the SCC is paid with the service connection to be completed by meter installation at a later date, and existing service(s) are to remain in service until that time, the applicable credit for the existing service(s) will be in the form of a refund when the existing services are removed. The SCC credit cannot be applied to a standby meter, fire service meter, or in the case of a dual service meter, the portion of the meter oversized for the private fire protection system. Where the initial SCC payment was made under Schedule J Section I – Required Separate Irrigation Meter for Single-family Premises, the SCC credit cannot be applied to the separate irrigation meter without a SCC credit on the residential meter. The SCC credit for an existing service can only be applied to the premises where the existing service is located. “Premises” is defined in Section 1 of the District’s Regulations Governing Water Service.

For a common area meters installed under the July 20, 1993 Wiedemann Agreement, credit toward a new SCC for these meters will be based on the actual SCC payment for each meter installed, not based on the size of the existing meter.

No credit will be provided for Accessory Dwelling Units that did not pay an initial SCC regardless of metering arrangements.

### **H. TEMPORARY CONSTRUCTION SERVICE**

A System Capacity Charge paid on a temporary construction service will be refunded if said service is removed within a 1-year period after installation.

### **I. REQUIRED SEPARATE IRRIGATION METER FOR SINGLE-FAMILY PREMISES**

If an irrigation meter is required for a single-family premises because the irrigable landscape area meets or exceeds the applicable threshold in Section 31 of the Regulations, two meters will be installed – one for the indoor and private fire service (if applicable) needs of the building and a separate meter dedicated for irrigation. One single-family premises SCC shall be applicable based on the hydraulic capacity needed to serve the irrigation and indoor needs. The hydraulic capacity of the installed meter or meters will be equal to or exceed the hydraulic capacity of the meter size that was charged in the SCC fee. The installation charges shown in Schedule D and all other rates and charges pertaining to the service(s) based on the actual size of the meter(s) that are installed shall apply.



## SCHEDULE J – SYSTEM CAPACITY CHARGE (SCC)

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### J. NONPOTABLE WATER SERVICE

#### 1. Nonpotable Water Service Connections (dollars per connection)

| METER SIZE<br>(INCHES) | REGION  |         |         |
|------------------------|---------|---------|---------|
|                        | 1       | 2       | 3       |
| 5/8                    | \$2,959 | \$4,018 | \$5,533 |
| 3/4                    | 4,836   | 5,750   | 8,468   |
| 1                      | 9,202   | 10,297  | 15,084  |
| 1-1/2                  | 23,998  | 29,230  | 37,158  |

All SCCs for nonpotable water service connections with meters larger than 1-1/2 inches shall be determined by applying the Future Water Supply Component unit charge to the defined projected water demand approved by the District. The SCC will not be less than the 1-1/2 inch meter charge by region noted above.

### K. POTABLE AND NONPOTABLE SERVICES

An SCC shall be applicable for separate meters installed to provide potable and nonpotable standard service, based on the meter size(s) for each service.

### L. ADJUSTMENT OF SCC FOR WATER-CONSERVING LANDSCAPING ON PUBLICLY OWNED PROPERTY

To further encourage water conservation, the SCC for a water service connection exclusively for irrigation of landscaping on property owned by a public agency may be reduced or not required based on long-term water service needs after an initial planting establishment period of not more than three years (the "initial period"); provided that (1) the landscape plan incorporates drought-tolerant and other low-water-use planting materials on a major part of the landscaped area, and (2) the long-term water need would result in replacement of the initial water meter with a smaller meter or water service would be discontinued and removed at the end of the initial period, as solely determined by the District.

A public agency applying for water service under such conditions shall submit a written request to the District prior to the time of payment of the SCC. The request shall set forth in detail the facts supporting an adjustment of the SCC, shall include information and plans clearly describing the planting materials and irrigation system, and shall include data and calculations clearly demonstrating the estimated initial and long-term water needs.

If the District determines that the SCC can be based on a smaller meter or discontinuation of service after the initial period, the public agency shall enter into a water service agreement which provided for (1) payment of the reduced SCC prior to installation of service; (2) verification of the long-term need at the end of the period; and (3) payment of the additional SCC required if the initial meter is not to be replaced, if the replacement meter is larger than



## SCHEDULE J – SYSTEM CAPACITY CHARGE (SCC)

EFFECTIVE 07/01/2025

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initially determined, or if water service is not discontinued and removed. If additional SCC payment is required, it shall be based on the charges in effect at the time of initial SCC payment, and shall be due and payable within 30 days of written notice from the District. The agreement shall be binding upon all subsequent owners of the property and shall be recorded.

Installation charges for the service connection shall be based on the meter size initially installed.

The above-mentioned SCC adjustments do not apply to nonpotable water service accounts.



# Schedule N

## Water Demand Mitigation Fees

FY 2026



## SCHEDULE N – WATER DEMAND MITIGATION FEES

EFFECTIVE 07/01/2025<sup>4</sup>

The Water Demand Mitigation Fee funds District conservation programs that are intended to achieve water savings that offset water demand from development within the territory or development where the fees are collected. The Water Demand Mitigation Fee is payable at the time application for service is made or prior to release of the distribution system pipelines and related appurtenances when the installation of water main extensions are required.

### A. WATER DEMAND MITIGATION FEES FOR “THE MEADOWS” TERRITORY

For service connections within “The Meadows” territory<sup>1</sup> payment of a Water Demand Mitigation Fee shall be required in addition to all other applicable fees and charges, including the applicable System Capacity Charge (SCC).

#### 1. Non-Residential Service Connections (dollars per connection)

| METER<br>SIZE<br>(INCHES) | WATER DEMAND MITIGATION FEE<br>FOR STANDARD SERVICE<br>IN THE MEADOWS TERRITORY |
|---------------------------|---|
| 5/8                       | <del>\$8,195</del> \$6,928  |
| 3/4                       | <del>11,800</del> 9,977   |
| 1                         | <del>18,356</del> 15,519  |
| 1-1/2                     | <del>35,401</del> 29,930  |

#### 2. Single Family Service Connections (dollars per connection)

| METER<br>SIZE<br>(INCHES) | WATER DEMAND MITIGATION FEE<br>FOR STANDARD SERVICE<br>IN THE MEADOWS TERRITORY |
|---------------------------|---|
| 5/8                       | <del>\$8,024</del> \$6,784  |
| 3/4                       | <del>11,800</del> 9,977   |
| 1                         | <del>18,356</del> 15,519  |
| 1-1/2                     | <del>35,401</del> 29,930  |

3. The Water Demand Mitigation Fee for service connections with meters larger than 1-1/2 inches shall be determined on a case-by-case basis by the District based on water use information furnished by the applicant and applying the applicable SCC Future Water Supply component and multiplier (1.09) established by the Board of Directors for smaller meters.

<sup>1</sup> As defined in Contra Costa Local Agency Formation Commission Resolution No. 96-33, adopted August 13, 1997.



## SCHEDULE N – WATER DEMAND MITIGATION FEES

EFFECTIVE 07/01/2025<sup>4</sup>

- For phased developments within The Meadows territory, the Water Demand Mitigation Fee is payable for all connections within the phase prior to release of the distribution system pipelines and related appurtenances.

### B. WATER DEMAND MITIGATION FEES FOR “THE WENDT RANCH” TERRITORY

For service connections within “The Wendt Ranch” territory<sup>2</sup> payment of a Water Demand Mitigation Fee shall be required in addition to all other applicable fees and charges, including the applicable System Capacity Charge (SCC).

- Non-Residential Service Connections (dollars per connection)

| METER<br>SIZE<br>(INCHES) | WATER DEMAND MITIGATION FEE<br>FOR STANDARD SERVICE IN THE<br>WENDT RANCH TERRITORY |
|---------------------------|---|
| 5/8                       | <del>\$10,525</del> <del>\$8,899</del>  |
| 3/4                       | <del>15,157</del> <del>12,814</del>   |
| 1                         | <del>23,577</del> <del>19,933</del>   |
| 1-1/2                     | <del>45,470</del> <del>38,443</del>   |

- Single Family Service Connections (dollars per connection)

| METER<br>SIZE<br>(INCHES) | WATER DEMAND MITIGATION FEE<br>FOR STANDARD SERVICE IN THE<br>WENDT RANCH TERRITORY |
|---------------------------|---|
| 5/8                       | <del>\$10,306</del> <del>\$8,714</del>  |
| 3/4                       | <del>15,157</del> <del>12,814</del>   |
| 1                         | <del>23,577</del> <del>19,933</del>   |
| 1-1/2                     | <del>45,470</del> <del>38,443</del>   |

- The Water Demand Mitigation Fee for service connections with meters larger than 1-1/2 inches shall be determined on a case-by-case basis by the District based on water use information furnished by the applicant and applying the applicable SCC Future Water Supply component and multiplier (1.40) established by the Board of Directors for smaller meters.
- For phased developments within The Wendt Ranch territory, the Water Demand Mitigation Fee is payable for all connections within the phase prior to release of the distribution system pipelines and related appurtenances.

<sup>2</sup> As defined in Contra Costa Local Agency Formation Commission Resolution 97-5, adopted March 12, 1997.



## SCHEDULE N – WATER DEMAND MITIGATION FEES

EFFECTIVE 07/01/2025<sup>4</sup>

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### C. WATER USE OFFSET FEES FOR THE WIEDEMANN RANCH DEVELOPMENT<sup>3</sup>

For service connections within “The Wiedemann Ranch Development”, payment of a Water Use Offset Fee shall be required in addition to all other applicable fees and charges, including the System Capacity Charge (SCC).<sup>4</sup>

#### 1. Common Area Offset Fee

The total Water Use Offset Fee for common areas in The Wiedemann Ranch Development is \$~~88,228~~<sup>90,875</sup>, and payable as a condition of issuance of the first meter for the common area.<sup>5</sup>

#### 2. Single Family Service Connections

The Water Use Offset Fee for each residential lot in The Wiedemann Ranch Development is \$~~9,070~~<sup>8,806</sup>, which amount shall be indexed using the same index as for the common area offset fee.

### D. ADDITIONAL WATER USE OFFSET FEES FOR THE WIEDEMANN RANCH DEVELOPMENT<sup>3</sup>

For water service within the Wiedemann Ranch Development, payment of Additional Water Use Offset Fees shall be required in the event the annual water budget<sup>6</sup> is exceeded.

1. The Additional Water Use Offset Fee shall be determined by the number of gallons of water used during the average of the two consecutive years in excess of the annual water budget times the per gallon fee of \$19.<sup>58</sup><sup>01</sup>.<sup>7</sup>

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<sup>3</sup> The Wiedemann Ranch Development, SCC Region 3A, a 439 acre development in Contra Costa County, is described with particularity in Exhibit A to the July 20, 1993 Agreement Between EBMUD and HCV & Associates, Ltd., Wiedemann Ranch, Inc. and Sue Christensen (“Wiedemann Agreement”).

<sup>4</sup> The Wiedemann Agreement specifies the amount and other terms related to the Future Water Supply Component of the SCC for the Wiedemann Ranch Development.

<sup>5</sup> The Water Use Offset Fee shall be indexed to the U.S. City Average of the Consumer Price Index issued by the U.S. Department of Labor each calendar year or portion thereof from the July 20, 1993 date of the Wiedemann Agreement to the date of payment of the offset fee.

<sup>6</sup> The Wiedemann Agreement specifies the formula for calculating the annual water budget and the specific methodology for calculating and collecting the additional water use offset fee.

<sup>7</sup> The Wiedemann Agreement specifies the terms related to the Additional Water Use Offset Fee. The Additional Water Use Offset Fee shall be indexed to the U.S. City Average of the consumer Price Index issued by the U.S. Department of Labor for each calendar year or portion thereof from the July 20, 1993 date of the Wiedemann Agreement to the date of payment of the additional water use offset fee.



## SCHEDULE N – WATER DEMAND MITIGATION FEES

EFFECTIVE 07/01/2025<sup>4</sup>

### E. WATER DEMAND MITIGATION FEES FOR CAMINO TASSAJARA INTEGRATED PROJECT<sup>8</sup>

For service connections within the Camino Tassajara Integrated Project<sup>9</sup>, payment of a Water Demand Mitigation Fee (WDMF) shall be required in addition to all other applicable fees and charges including the applicable System Capacity Charge (SCC). The Board of Directors adopted Section 3D to the Water Service Regulations in January 2003 to codify the WDMF and other conservation requirements imposed on the project territory by the County and Local Agency Formation Commission.

#### 1. Non-Residential Service Connections (dollars per connection)

| METER<br>SIZE<br>(INCHES) | WATER DEMAND MITIGATION FEE<br>FOR STANDARD SERVICE<br>IN THE CAMINO TASSAJARA<br>INTEGRATED PROJECT |
|---------------------------|--|
| 5/8                       | <del>\$10,146</del> \$8,578  |
| 3/4                       | <del>14,618</del> 12,359   |
| 1                         | <del>22,731</del> 19,218   |
| 1-1/2                     | <del>43,836</del> 37,064   |

#### 2. Single Family Service Connections (dollars per connection)

| METER<br>SIZE<br>(INCHES) | WATER DEMAND MITIGATION FEE<br>FOR STANDARD SERVICE<br>IN THE CAMINO TASSAJARA<br>INTEGRATED PROJECT |
|---------------------------|--|
| 5/8                       | <del>\$6,970</del> \$5,893   |
| 3/4                       | <del>10,243</del> 8,660  |
| 1                         | <del>15,954</del> 13,489   |
| 1-1/2                     | <del>30,747</del> 25,995   |

3. The WDMF for service connections with meters larger than 1-1/2 inches shall be determined on a case-by-case basis by the District based on water use information furnished by the applicant and applying the applicable SCC Future Water Supply component and multiplier (1.61) established by the Board of Directors for smaller meters.

<sup>8</sup> The Water Demand Mitigation Fee shall be indexed to the unit charge of the Future Water Supply component of the EBMUD System Capacity Charge.

<sup>9</sup> As generally described in the October 9, 2002 Miscellaneous Work Agreement between the District, Shapell Industries, Ponderosa Homes II, and Braddock and Logan Group II.



## SCHEDULE N – WATER DEMAND MITIGATION FEES

EFFECTIVE 07/01/2025~~4~~

The WDMF for new water service at multi-family premises shall be as listed below. For purposes of this Schedule N, “multi-family premises” shall mean premises with two or more attached or separate residential dwelling units, rental or owner-occupied, which is determined by the District to be a single premises for receiving water service, provided that each separate dwelling unit of a multi-family premises shall be separately metered as specified in Sections 2 and 3 of the District’s Regulations Governing Water Service.

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### Multi-Family Premises – Dollars Per Dwelling Unit (DU)

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|   |                                       |
|---|---------------------------------------|
| Each of the first 10 DU in a single structure | <del>\$4,182</del> <del>\$3,536</del> |
| Each additional DU in same structure          | <del>3,346</del> <del>2,829</del>     |

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The above WDMF shall apply regardless of the arrangement of water metering or meter size at the premises; however, the District may limit the size and number of service connections to a combined capacity appropriate to the anticipated water use at the premises.

No additional WDMF shall be applicable for separate meters installed to provide irrigation for landscaping on the premises in the immediate area contiguous to the dwelling unit structures, provided such landscaped area is to be used exclusively by the residents. All other rates and charges shall be based on actual number and size of meters and does not apply to the requirements listed below.

A WDMF shall be applicable for separate meters installed to serve other water uses in the vicinity of the multi-family premises, such as irrigation of open space areas, parks, roadway medians, recreational facilities, and areas designated for public use. The WDMF shall be based on meter size as provided under E.1 above. If these other water uses are included in the water service connection to the multi-family premises, the District shall, for purposes of determining the applicable WDMF, determine the equivalent meter size for these uses based on plumbing code and water industry standards, as if there were a separate service connection.

4. The WDMF is payable for all connections within phased developments prior to release for construction, the distribution system pipelines and related appurtenances.
5. Water use in excess of 120 percent of the annual water budget<sup>10</sup> shall be subject to an Additional WDMF (on a per-occurrence basis). The Additional WDMF shall be determined by multiplying the amount of water used in excess of 100 percent of the annual water budget times the per gallon fee of \$0.~~65~~~~55~~ per gpd.

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<sup>10</sup> The water budget shall be established pursuant to the October 9, 2002 Miscellaneous Work Agreement referenced in Footnote 2.



## SCHEDULE N – WATER DEMAND MITIGATION FEES

EFFECTIVE 07/01/2025<sup>4</sup>

### F. WATER DEMAND MITIGATION FEES FOR GALE RANCH PHASE 2, SUBDIVISION 9134<sup>11</sup>

For service connections within Gale Ranch Phase 2, Subdivision 9134, payment of a Water Demand Mitigation Fee (WDMF) shall be required in addition to all other applicable fees and charges including the applicable System Capacity Charge (SCC).

#### 1. Non-Residential Service Connections (dollars per connection)

| METER SIZE<br>(INCHES) | WATER DEMAND MITIGATION FEE<br>FOR STANDARD SERVICE<br>IN THE GALE RANCH PHASE 2<br>SUBDIVISION 9134 |
|------------------------|--|
| 5/8                    | <del>\$9,721</del> \$8,218   |
| 3/4                    | <del>14,000</del> 11,837   |
| 1                      | <del>21,765</del> 18,401   |
| 1-1/2                  | <del>42,000</del> 35,510   |

#### 2. Single Family Service Connections (dollars per connection)

| METER SIZE<br>(INCHES) | WATER DEMAND MITIGATION FEE<br>FOR STANDARD SERVICE<br>IN THE GALE RANCH PHASE 2<br>SUBDIVISION 9134 |
|------------------------|--|
| 5/8 <sup>12</sup>      | <del>\$6,673</del> \$5,642   |
| 3/4                    | <del>9,818</del> 8,300   |
| 1                      | <del>15,259</del> 12,901   |
| 1-1/2                  | <del>29,433</del> 24,885   |

3. The WDMF for service connections with meters larger than 1-1/2 inches shall be determined on a case-by-case basis by the District based on water use information furnished by the applicant and applying the applicable SCC Future Water Supply component.

No additional WDMF shall be applicable for separate meters installed to provide irrigation for landscaping on the premises in the immediate area contiguous to the dwelling unit structures, provided such landscaped area is to be used exclusively by the residents. All

<sup>11</sup> The Water Demand Mitigation Fee shall be indexed to the unit charge of the Future Water Supply component of the EBMUD System Capacity Charge.

<sup>12</sup> 5/8" fee based on 32,594 gpd land use unit demands (LUDS) minus 10,884 gpd middle school demand credit divided by 63 residential units resulting in 345 gpd/residential unit.



## SCHEDULE N – WATER DEMAND MITIGATION FEES

EFFECTIVE 07/01/202~~5~~<sup>4</sup>

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other rates and charges shall be based on actual number and size of meters and does not apply to the requirements listed below.

A WDMF shall be applicable for separate meters installed to serve other water uses in the vicinity of the multi-family premises, such as irrigation of open space areas, parks, roadway medians, recreational facilities, and areas designated for public use. The WDMF shall be based on meter size as provided under F.1 above. If these other water uses are included in the water service connection to the multi-family premises, the District shall, for purposes of determining the applicable WDMF, determine the equivalent meter size for these uses based on plumbing code and water industry standards, as if there were a separate service connection.





## SCHEDULE N – WATER DEMAND MITIGATION FEES

EFFECTIVE 07/01/2025

The Water Demand Mitigation Fee funds District conservation programs that are intended to achieve water savings that offset water demand from development within the territory or development where the fees are collected. The Water Demand Mitigation Fee is payable at the time application for service is made or prior to release of the distribution system pipelines and related appurtenances when the installation of water main extensions are required.

### A. WATER DEMAND MITIGATION FEES FOR “THE MEADOWS” TERRITORY

For service connections within “The Meadows” territory<sup>1</sup> payment of a Water Demand Mitigation Fee shall be required in addition to all other applicable fees and charges, including the applicable System Capacity Charge (SCC).

1. Non-Residential Service Connections (dollars per connection)

| METER<br>SIZE<br>(INCHES) | WATER DEMAND MITIGATION FEE<br>FOR STANDARD SERVICE<br>IN THE MEADOWS TERRITORY |
|---------------------------|---|
| 5/8                       | \$8,195   |
| 3/4                       | 11,800  |
| 1                         | 18,356  |
| 1-1/2                     | 35,401  |

2. Single Family Service Connections (dollars per connection)

| METER<br>SIZE<br>(INCHES) | WATER DEMAND MITIGATION FEE<br>FOR STANDARD SERVICE<br>IN THE MEADOWS TERRITORY |
|---------------------------|---|
| 5/8                       | \$8,024   |
| 3/4                       | 11,800  |
| 1                         | 18,356  |
| 1-1/2                     | 35,401  |

3. The Water Demand Mitigation Fee for service connections with meters larger than 1-1/2 inches shall be determined on a case-by-case basis by the District based on water use information furnished by the applicant and applying the applicable SCC Future Water Supply component and multiplier (1.09) established by the Board of Directors for smaller meters.

<sup>1</sup> As defined in Contra Costa Local Agency Formation Commission Resolution No. 96-33, adopted August 13, 1997.



## SCHEDULE N – WATER DEMAND MITIGATION FEES

EFFECTIVE 07/01/2025

4. For phased developments within The Meadows territory, the Water Demand Mitigation Fee is payable for all connections within the phase prior to release of the distribution system pipelines and related appurtenances.

### B. WATER DEMAND MITIGATION FEES FOR “THE WENDT RANCH” TERRITORY

For service connections within “The Wendt Ranch” territory<sup>2</sup> payment of a Water Demand Mitigation Fee shall be required in addition to all other applicable fees and charges, including the applicable System Capacity Charge (SCC).

1. Non-Residential Service Connections (dollars per connection)

| METER<br>SIZE<br>(INCHES) | WATER DEMAND MITIGATION FEE<br>FOR STANDARD SERVICE IN THE<br>WENDT RANCH TERRITORY |
|---------------------------|---|
| 5/8                       | \$10,525  |
| 3/4                       | 15,157  |
| 1                         | 23,577  |
| 1-1/2                     | 45,470  |

2. Single Family Service Connections (dollars per connection)

| METER<br>SIZE<br>(INCHES) | WATER DEMAND MITIGATION FEE<br>FOR STANDARD SERVICE IN THE<br>WENDT RANCH TERRITORY |
|---------------------------|---|
| 5/8                       | \$10,306  |
| 3/4                       | 15,157  |
| 1                         | 23,577  |
| 1-1/2                     | 45,470  |

3. The Water Demand Mitigation Fee for service connections with meters larger than 1-1/2 inches shall be determined on a case-by-case basis by the District based on water use information furnished by the applicant and applying the applicable SCC Future Water Supply component and multiplier (1.40) established by the Board of Directors for smaller meters.
4. For phased developments within The Wendt Ranch territory, the Water Demand Mitigation Fee is payable for all connections within the phase prior to release of the distribution system pipelines and related appurtenances.

<sup>2</sup> As defined in Contra Costa Local Agency Formation Commission Resolution 97-5, adopted March 12, 1997.



## SCHEDULE N – WATER DEMAND MITIGATION FEES

EFFECTIVE 07/01/2025

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### C. WATER USE OFFSET FEES FOR THE WIEDEMANN RANCH DEVELOPMENT<sup>3</sup>

For service connections within “The Wiedemann Ranch Development”, payment of a Water Use Offset Fee shall be required in addition to all other applicable fees and charges, including the System Capacity Charge (SCC).<sup>4</sup>

#### 1. Common Area Offset Fee

The total Water Use Offset Fee for common areas in The Wiedemann Ranch Development is \$90,875, and payable as a condition of issuance of the first meter for the common area.<sup>5</sup>

#### 2. Single Family Service Connections

The Water Use Offset Fee for each residential lot in The Wiedemann Ranch Development is \$9,070, which amount shall be indexed using the same index as for the common area offset fee.

### D. ADDITIONAL WATER USE OFFSET FEES FOR THE WIEDEMANN RANCH DEVELOPMENT<sup>3</sup>

For water service within the Wiedemann Ranch Development, payment of Additional Water Use Offset Fees shall be required in the event the annual water budget<sup>6</sup> is exceeded.

1. The Additional Water Use Offset Fee shall be determined by the number of gallons of water used during the average of the two consecutive years in excess of the annual water budget times the per gallon fee of \$19.58.<sup>7</sup>

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<sup>3</sup> The Wiedemann Ranch Development, SCC Region 3A, a 439 acre development in Contra Costa County, is described with particularity in Exhibit A to the July 20, 1993 Agreement Between EBMUD and HCV & Associates, Ltd., Wiedemann Ranch, Inc. and Sue Christensen (“Wiedemann Agreement”).

<sup>4</sup> The Wiedemann Agreement specifies the amount and other terms related to the Future Water Supply Component of the SCC for the Wiedemann Ranch Development.

<sup>5</sup> The Water Use Offset Fee shall be indexed to the U.S. City Average of the Consumer Price Index issued by the U.S. Department of Labor each calendar year or portion thereof from the July 20, 1993 date of the Wiedemann Agreement to the date of payment of the offset fee.

<sup>6</sup> The Wiedemann Agreement specifies the formula for calculating the annual water budget and the specific methodology for calculating and collecting the additional water use offset fee.

<sup>7</sup> The Wiedemann Agreement specifies the terms related to the Additional Water Use Offset Fee. The Additional Water Use Offset Fee shall be indexed to the U.S. City Average of the consumer Price Index issued by the U.S. Department of Labor for each calendar year or portion thereof from the July 20, 1993 date of the Wiedemann Agreement to the date of payment of the additional water use offset fee.



## SCHEDULE N – WATER DEMAND MITIGATION FEES

EFFECTIVE 07/01/2025

### E. WATER DEMAND MITIGATION FEES FOR CAMINO TASSAJARA INTEGRATED PROJECT<sup>8</sup>

For service connections within the Camino Tassajara Integrated Project<sup>9</sup>, payment of a Water Demand Mitigation Fee (WDMF) shall be required in addition to all other applicable fees and charges including the applicable System Capacity Charge (SCC). The Board of Directors adopted Section 3D to the Water Service Regulations in January 2003 to codify the WDMF and other conservation requirements imposed on the project territory by the County and Local Agency Formation Commission.

#### 1. Non-Residential Service Connections (dollars per connection)

| METER<br>SIZE<br>(INCHES) | WATER DEMAND MITIGATION FEE<br>FOR STANDARD SERVICE<br>IN THE CAMINO TASSAJARA<br>INTEGRATED PROJECT |
|---------------------------|--|
| 5/8                       | \$10,146   |
| 3/4                       | 14,618   |
| 1                         | 22,731   |
| 1-1/2                     | 43,836   |

#### 2. Single Family Service Connections (dollars per connection)

| METER<br>SIZE<br>(INCHES) | WATER DEMAND MITIGATION FEE<br>FOR STANDARD SERVICE<br>IN THE CAMINO TASSAJARA<br>INTEGRATED PROJECT |
|---------------------------|--|
| 5/8                       | \$6,970  |
| 3/4                       | 10,243   |
| 1                         | 15,954   |
| 1-1/2                     | 30,747   |

3. The WDMF for service connections with meters larger than 1-1/2 inches shall be determined on a case-by-case basis by the District based on water use information furnished by the applicant and applying the applicable SCC Future Water Supply component and multiplier (1.61) established by the Board of Directors for smaller meters.

<sup>8</sup> The Water Demand Mitigation Fee shall be indexed to the unit charge of the Future Water Supply component of the EBMUD System Capacity Charge.

<sup>9</sup> As generally described in the October 9, 2002 Miscellaneous Work Agreement between the District, Shapell Industries, Ponderosa Homes II, and Braddock and Logan Group II.



## SCHEDULE N – WATER DEMAND MITIGATION FEES

EFFECTIVE 07/01/2025

The WDMF for new water service at multi-family premises shall be as listed below. For purposes of this Schedule N, “multi-family premises” shall mean premises with two or more attached or separate residential dwelling units, rental or owner-occupied, which is determined by the District to be a single premises for receiving water service, provided that each separate dwelling unit of a multi-family premises shall be separately metered as specified in Sections 2 and 3 of the District’s Regulations Governing Water Service.

| Multi-Family Premises – Dollars Per Dwelling Unit (DU) |         |
|--|---------|
| Each of the first 10 DU in a single structure          | \$4,182 |
| Each additional DU in same structure                   | 3,346   |

The above WDMF shall apply regardless of the arrangement of water metering or meter size at the premises; however, the District may limit the size and number of service connections to a combined capacity appropriate to the anticipated water use at the premises.

No additional WDMF shall be applicable for separate meters installed to provide irrigation for landscaping on the premises in the immediate area contiguous to the dwelling unit structures, provided such landscaped area is to be used exclusively by the residents. All other rates and charges shall be based on actual number and size of meters and does not apply to the requirements listed below.

A WDMF shall be applicable for separate meters installed to serve other water uses in the vicinity of the multi-family premises, such as irrigation of open space areas, parks, roadway medians, recreational facilities, and areas designated for public use. The WDMF shall be based on meter size as provided under E.1 above. If these other water uses are included in the water service connection to the multi-family premises, the District shall, for purposes of determining the applicable WDMF, determine the equivalent meter size for these uses based on plumbing code and water industry standards, as if there were a separate service connection.

4. The WDMF is payable for all connections within phased developments prior to release for construction, the distribution system pipelines and related appurtenances.
5. Water use in excess of 120 percent of the annual water budget<sup>10</sup> shall be subject to an Additional WDMF (on a per-occurrence basis). The Additional WDMF shall be determined by multiplying the amount of water used in excess of 100 percent of the annual water budget times the per gallon fee of \$0.65 per gpd.

<sup>10</sup> The water budget shall be established pursuant to the October 9, 2002 Miscellaneous Work Agreement referenced in Footnote 2.



## SCHEDULE N – WATER DEMAND MITIGATION FEES

EFFECTIVE 07/01/2025

### F. WATER DEMAND MITIGATION FEES FOR GALE RANCH PHASE 2, SUBDIVISION 9134<sup>11</sup>

For service connections within Gale Ranch Phase 2, Subdivision 9134, payment of a Water Demand Mitigation Fee (WDMF) shall be required in addition to all other applicable fees and charges including the applicable System Capacity Charge (SCC).

#### 1. Non-Residential Service Connections (dollars per connection)

| METER<br>SIZE<br>(INCHES) | WATER DEMAND MITIGATION FEE<br>FOR STANDARD SERVICE<br>IN THE GALE RANCH PHASE 2<br>SUBDIVISION 9134 |
|---------------------------|--|
| 5/8                       | \$9,721  |
| 3/4                       | 14,000   |
| 1                         | 21,765   |
| 1-1/2                     | 42,000   |

#### 2. Single Family Service Connections (dollars per connection)

| METER<br>SIZE<br>(INCHES) | WATER DEMAND MITIGATION FEE<br>FOR STANDARD SERVICE<br>IN THE GALE RANCH PHASE 2<br>SUBDIVISION 9134 |
|---------------------------|--|
| 5/8 <sup>12</sup>         | \$6,673  |
| 3/4                       | 9,818  |
| 1                         | 15,259   |
| 1-1/2                     | 29,433   |

3. The WDMF for service connections with meters larger than 1-1/2 inches shall be determined on a case-by-case basis by the District based on water use information furnished by the applicant and applying the applicable SCC Future Water Supply component.

No additional WDMF shall be applicable for separate meters installed to provide irrigation for landscaping on the premises in the immediate area contiguous to the dwelling unit structures, provided such landscaped area is to be used exclusively by the residents. All

<sup>11</sup> The Water Demand Mitigation Fee shall be indexed to the unit charge of the Future Water Supply component of the EBMUD System Capacity Charge.

<sup>12</sup> 5/8" fee based on 32,594 gpd land use unit demands (LUDS) minus 10,884 gpd middle school demand credit divided by 63 residential units resulting in 345 gpd/residential unit.



## SCHEDULE N – WATER DEMAND MITIGATION FEES

EFFECTIVE 07/01/2025

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other rates and charges shall be based on actual number and size of meters and does not apply to the requirements listed below.

A WDMF shall be applicable for separate meters installed to serve other water uses in the vicinity of the multi-family premises, such as irrigation of open space areas, parks, roadway medians, recreational facilities, and areas designated for public use. The WDMF shall be based on meter size as provided under F.1 above. If these other water uses are included in the water service connection to the multi-family premises, the District shall, for purposes of determining the applicable WDMF, determine the equivalent meter size for these uses based on plumbing code and water industry standards, as if there were a separate service connection.

Wastewater Department

Schedule C

Industrial Permit Fees

FY 2026





## SCHEDULE C – WASTEWATER DEPARTMENT INDUSTRIAL PERMIT FEES

EFFECTIVE 07/01/2025~~4~~

The District shall charge the following annual fees for each permit type when a permit is issued or renewed.

| PERMIT TYPE                   | ANNUAL FEE                           |
|-------------------------------|--------------------------------------|
| Wastewater Discharge Permit   | \$ <del>3,540</del> <sup>3,410</sup> |
| Estimation Permit             | \$ <del>1,380</del> <sup>1,320</sup> |
| Limited Term Discharge Permit | \$ <del>3,250</del> <sup>3,130</sup> |

Wastewater Discharge Permit – A written document that contains general and specific requirements governing onsite management, pretreatment, and discharge of wastewater to the community sewer. A Wastewater Discharge Permit is issued to a significant industrial user; which means an industrial user that warrants a control mechanism as determined by the District, or to a discharger that the District determines requires a permit to establish disposal charges based on flow and strength. The Wastewater Discharge Permit fee applies to Groundwater Permits.

Estimation Permit – A permit issued to a discharger that demonstrates at least 20 percent of its metered water consumption is not discharged to the community sewer. The volume diverted will not be subject to the wastewater disposal charges.

Limited Term Discharge Permit – Permits for temporary discharges of unmetered water during a specified term.

Groundwater Permit – A permit issued for discharge of groundwater on an ongoing basis.



## SCHEDULE C – WASTEWATER DEPARTMENT INDUSTRIAL PERMIT FEES

EFFECTIVE 07/01/2025

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The District shall charge the following annual fees for each permit type when a permit is issued or renewed.

| PERMIT TYPE                   | ANNUAL FEE |
|-------------------------------|------------|
| Wastewater Discharge Permit   | \$3,540    |
| Estimation Permit             | \$1,380    |
| Limited Term Discharge Permit | \$3,250    |

Wastewater Discharge Permit – A written document that contains general and specific requirements governing onsite management, pretreatment, and discharge of wastewater to the community sewer. A Wastewater Discharge Permit is issued to a significant industrial user; which means an industrial user that warrants a control mechanism as determined by the District, or to a discharger that the District determines requires a permit to establish disposal charges based on flow and strength. The Wastewater Discharge Permit fee applies to Groundwater Permits.

Estimation Permit – A permit issued to a discharger that demonstrates at least 20 percent of its metered water consumption is not discharged to the community sewer. The volume diverted will not be subject to the wastewater disposal charges.

Limited Term Discharge Permit – Permits for temporary discharges of unmetered water during a specified term.

Groundwater Permit – A permit issued for discharge of groundwater on an ongoing basis.

# Wastewater Department

## Schedule D

### Other Fees

FY 2026



## SCHEDULE D – WASTEWATER DEPARTMENT OTHER FEES

EFFECTIVE 07/01/2025<sup>4</sup>

| TYPE   | RATE   |
|--|--|
| SF Bay Commercial Pollution Prevention Fee             | \$5.48/month <sup>1</sup>                              |
| SF Bay Residential Pollution Prevention Fee            | \$0.20/month per dwelling unit <sup>2</sup>            |
| Inspection and Monitoring Fees                         | \$ <del>1,980</del> 1,920                              |
| Violation Follow-Up Fees                               |  |
| Stage 1  | \$ <del>870</del> 840                                  |
| Stage 2  | \$ <del>1,990</del> 1,920 + Testing Fees <sup>31</sup> |
| Stage 3  | \$ <del>3,920</del> 3,770 + Testing Fees <sup>31</sup> |
| Private Sewer Lateral Compliance Fees                  |  |
| Compliance Certificate <sup>42</sup>                   | \$ <del>390</del> 370                                  |
| Time Extension Certificate                             | \$130  |
| Inspection Reschedule                                  | \$120  |
| Extra Lateral or Additional Verification Test          | \$130 per lateral                                      |
| Off-Hours Verification <sup>53</sup>                   | \$280 for 1.5 hours onsite                             |
| Specific Appointment Time <sup>64</sup>                | \$ <del>350</del> 340 for 1.5 hours onsite             |
| HOA/Greater than 1,000 Oversight Fee                   | \$ <del>540</del> 520                                  |
| PSL Violation Follow-Up – Initial Fee                  | \$ <del>560</del> 530                                  |
| PSL Violation Follow-Up – Continuing Noncompliance Fee | \$ <del>140</del> 130                                  |
| Compliance Agreement                                   | \$ <del>340</del> 330                                  |

<sup>1</sup> Violation follow-up fees do not include required testing. Testing fees will be charged in accordance with Schedule E Wastewater Department Testing Fees.

<sup>2</sup> Compliance Certificate Fee may be charged for performance of a Verification Test that results in issuance of a new Compliance Certificate, annotation of an existing Compliance Certificate, or issuance of one or more new Compliance Certificates due to a parcel split or merger

<sup>3</sup> The fee for off-hours verification is charged once scheduled and will not be refunded if cancelled or rescheduled.

<sup>4</sup> Two Inspection Reschedule fees will be charged for Specific Appointment time cancellations.



## SCHEDULE D – WASTEWATER DEPARTMENT OTHER FEES

EFFECTIVE 07/01/2025<sup>4</sup>

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- <sup>1</sup>~~SF Bay Commercial Pollution Prevention Fee applicable to all non-residential accounts.~~
- <sup>2</sup>~~SF Bay Residential Pollution Prevention Fee applicable to all residential accounts. Fee will be charge per dwelling unit up to five dwelling units.~~
- <sup>3</sup>~~Violation follow-up fees do not include required testing. Testing fees will be charged in accordance with Schedule E Wastewater Department Testing Fees.~~
- <sup>4</sup>~~Compliance Certificate Fee may be assessed for performance of a Verification Test that results in issuance of a new Compliance Certificate, annotation of an existing Compliance Certificate, or issuance of one or more new Compliance Certificates due to a parcel split or merger.~~
- <sup>5</sup>~~The fee for off-hours verification is assessed once scheduled and will not be refunded if cancelled or rescheduled.~~
- <sup>6</sup>~~Two Inspection Reschedule fees will be assessed for Specific Appointment time cancellations.~~



## SCHEDULE D – WASTEWATER DEPARTMENT OTHER FEES

EFFECTIVE 07/01/2025

| TYPE   | RATE                                |
|--|-------------------------------------|
| Inspection and Monitoring Fees                         | \$1,980                             |
| Violation Follow-Up Fees                               |                                     |
| Stage 1  | \$870                               |
| Stage 2  | \$1,990 + Testing Fees <sup>1</sup> |
| Stage 3  | \$3,920+ Testing Fees <sup>1</sup>  |
| Private Sewer Lateral Compliance Fees                  |                                     |
| Compliance Certificate <sup>2</sup>                    | \$390                               |
| Time Extension Certificate                             | \$130                               |
| Inspection Reschedule                                  | \$120                               |
| Extra Lateral or Additional Verification Test          | \$130 per lateral                   |
| Off-Hours Verification <sup>3</sup>                    | \$280 for 1.5 hours onsite          |
| Specific Appointment Time <sup>4</sup>                 | \$350 for 1.5 hours onsite          |
| HOA/Greater than 1,000 Oversight Fee                   | \$540                               |
| PSL Violation Follow-Up – Initial Fee                  | \$560                               |
| PSL Violation Follow-Up – Continuing Noncompliance Fee | \$140                               |
| Compliance Agreement                                   | \$340                               |

<sup>1</sup> Violation follow-up fees do not include required testing. Testing fees will be charged in accordance with Schedule E Wastewater Department Testing Fees.

<sup>2</sup> Compliance Certificate Fee may be charged for performance of a Verification Test that results in issuance of a new Compliance Certificate, annotation of an existing Compliance Certificate, or issuance of one or more new Compliance Certificates due to a parcel split or merger

<sup>3</sup> The fee for off-hours verification is charged once scheduled and will not be refunded if cancelled or rescheduled.

<sup>4</sup> Two Inspection Reschedule fees will be charged for Specific Appointment time cancellations.

Wastewater Department

Schedule E

Testing Fees

FY 2026



## SCHEDULE E – WASTEWATER DEPARTMENT TESTING FEES

EFFECTIVE 07/01/2025~~4~~

| LABORATORY TEST   | FEE                               | METHOD*    |
|---|-----------------------------------|------------|
| Acrolein & Acrylonitrile  | <del>\$176</del> <del>\$169</del> | EPA 624.1  |
| Chemical Oxygen Demand  | <del>\$70</del> <del>\$67</del>   | SM 5220 D  |
| Cyanide   | <del>\$147</del> <del>\$141</del> | SM 4500 CN |
| Metals (Arsenic, Cadmium, Chromium, Copper, Iron, Lead, Nickel, Silver, and Zinc) | <del>\$261</del> <del>\$251</del> | EPA 200.7  |
| Metals (Mercury)  | <del>\$164</del> <del>\$158</del> | EPA 245.1  |
| Oil & Grease: SGT-HEM   | <del>\$230</del> <del>\$221</del> | EPA 1664B  |
| Organochlorine PCB & Pesticides   | <del>\$62</del> <del>\$60</del>   | EPA 608    |
| pH Field Analysis   | <del>\$32</del> <del>\$31</del>   |            |
| Phenols: Total  | <del>\$161</del> <del>\$155</del> | EPA 420.4  |
| PCB Congeners   | <del>\$895</del> <del>\$861</del> | EPA 1668C  |
| Semi-volatile Organics  | \$584                             | EPA 625.1  |
| Total Suspended Solids  | <del>\$47</del> <del>\$45</del>   | SM 2540 D  |
| Volatile Organics   | <del>\$255</del> <del>\$245</del> | EPA 624.1  |

\* Or equivalent certified method





## SCHEDULE E – WASTEWATER DEPARTMENT TESTING FEES

EFFECTIVE 07/01/2025

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| LABORATORY TEST   | FEE   | METHOD*    |
|---|-------|------------|
| Acrolein & Acrylonitrile  | \$176 | EPA 624.1  |
| Chemical Oxygen Demand  | \$70  | SM 5220 D  |
| Cyanide   | \$147 | SM 4500 CN |
| Metals (Arsenic, Cadmium, Chromium, Copper, Iron, Lead, Nickel, Silver, and Zinc) | \$261 | EPA 200.7  |
| Metals (Mercury)  | \$164 | EPA 245.1  |
| Oil & Grease: SGT-HEM   | \$230 | EPA 1664B  |
| Organochlorine PCB & Pesticides   | \$62  | EPA 608    |
| pH Field Analysis   | \$32  |            |
| Phenols: Total  | \$161 | EPA 420.4  |
| PCB Congeners   | \$895 | EPA 1668C  |
| Semi-volatile Organics  | \$584 | EPA 625.1  |
| Total Suspended Solids  | \$47  | SM 2540 D  |
| Volatile Organics   | \$255 | EPA 624.1  |

\* Or equivalent certified method

Wastewater Department

Schedule F

Resource Recovery  
Fees and Prices

FY 2026



**SCHEDULE F<sup>4</sup> – WASTEWATER DEPARTMENT**  
**~~RATES FOR~~ RESOURCE RECOVERY ~~MATERIAL TREATMENT~~ FEES**  
**AND PRICES**

EFFECTIVE 07/01/2025<sup>4</sup>

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Payment collection for all Resource Recovery accounts shall follow the payment collection provisions contained in Section 13, Payment of Bills in the Regulations Governing Water Service to the Customers of EBMUD and Items C and K, Returned Payment Charge and Late Payment Penalty and Interest, of Schedule C of the Water System Rates and Charges.

| <u>ADMINISTRATIVE FEES</u>          | <u>PRICE</u>                                       |
|-------------------------------------|--|
| <u>Account Fee</u>                  | <u>\$400 (per year)</u>                            |
| <u>Expedited Permit Fee</u>         | <u>\$2,500 (per request)</u>                       |
| <u>Categorical Waste Permit Fee</u> | <u>Variable (max \$5,000 per year)<sup>1</sup></u> |
| <u>Unusual Waste Evaluation Fee</u> | <u>Variable<sup>2</sup></u>                        |

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<sup>1</sup> This fee is charged annually for categorical wastes that require additional monitoring, record-keeping, sampling, regulatory reporting, inspections, and/or technical analyses for compliance with Part 403 of the Code of Federal Regulations. When a categorical waste is submitted for review, the District will determine the annual fee based on the District's reasonable estimated cost for the work including all analyses, engineering, materials, equipment, consumables, labor, and related expenses incidental to the permit administration. The District will notify the customer of the fee prior to permit issuance or renewal.

<sup>2</sup> For unusual waste reviews that require additional level of analysis and evaluation, the District will determine the reasonable estimated fee for the work including all analyses, engineering, materials, equipment, consumables, labor, and related expenses incidental to the waste evaluation. The District will notify the customer of the fee prior to initiating the waste evaluation.

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**SCHEDULE F<sup>4</sup> – WASTEWATER DEPARTMENT**  
**RATES FOR RESOURCE RECOVERY MATERIAL TREATMENT FEES**  
**AND PRICES**

EFFECTIVE 07/01/2025<sup>4</sup>

| MATERIAL TYPE                                | RATE PRICE <sup>32</sup>   |
|--|--|
| Account Fee                                  | Up to \$450 (per year)   |
| Septage                                      | Up to \$0.12/gal   |
| Fats, Oil and Grease <sup>4</sup>            | Up to \$0.4316/gal   |
| Process Water                                | Up to \$0.10/gal   |
| Brine  | Variable with Total Dissolved Solid (TDS)<br>Up to \$0.10/gal ≤ 50,000 mg/l TDS<br>Up to \$0.11/gal 50,001 – 100,000 mg/l TDS<br>Up to \$0.13/gal > 100,000 mg/l TDS |
| Sludge                                       | Variable with % Total Solids (TS)<br>Up to \$0.11/gal up to 3% TS<br>Plus Up to \$0.0105/gal per %TS for<br>TS between 3% to 20%                                     |
| Clean Liquid Food Waste Slurry <sup>53</sup> | Variable with % Total Solids (TS)<br>Up to \$0.07/gal up to 3% TS<br>Plus Up to \$0.005/gal<br>per % TS for TS between 3% to 20%                                     |
| Liquid Organic Material <sup>4</sup>         | Up to \$0.1109/gal   |
| Protein Material <sup>4</sup>                | Up to \$0.1745/gal   |
| Solid Organic Material                       | \$30/ton – \$120/ton <sup>64</sup>   |
| Expedited Permit Fee                         | \$2,500 per request  |

<sup>4</sup>Payment collection for all Resource Recovery accounts shall follow the payment collection provisions contained in Section 13, Payment of Bills in the Regulations Governing Water Service to the Customers of EBMUD and Items C and K, Returned Payment Charge and Late Payment Penalty and Interest, of Schedule C of the Water System Rates and Charges.

<sup>3</sup> Current prices shall be available at <https://www.ebmud.com/wastewater/commercial-waste/trucked-waste>. Prices may vary consistent with the cost to treat up the listed amount. Additional charges may apply for special accommodations, such as off-hours deliveries that require additional staff support, special equipment requirements to receive or process material, special treatment requirements, or additional regulatory compliance costs. These charges shall be calculated based on estimated costs of District, labor, material, equipment, consumables, and outside agency fees. The District will notify the customer and provide an estimate prior to providing special accommodations.



**SCHEDULE F<sup>4</sup> – WASTEWATER DEPARTMENT**  
**~~RATES FOR RESOURCE RECOVERY~~ ~~MATERIAL TREATMENT FEES~~**  
**AND PRICES**

EFFECTIVE 07/01/2025<sup>4</sup>

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~~<sup>2</sup>For special accommodations, additional charges for actual personnel costs, equipment costs, and lab costs associated with the special accommodation will apply. Special accommodations include services provided by the District above and beyond what is typical, such as evaluation and testing of a unique material stream, special equipment to receive and process material, accommodations for large volumes, special off-hour deliveries that require additional staff support, or special treatment requirements.~~

~~<sup>3</sup>Clean liquid food waste slurry must behave as a liquid and contain minimal amounts of contamination. Food waste slurries that require additional contamination removal do not qualify for this rate.~~

~~<sup>4</sup>Based on treatment costs (residual solids dewatering and disposal), gas production, volumes and other costs or benefits to the District.~~

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<sup>4</sup> A peak period charge of an additional \$0.01/gal above the current price will apply over the weekday peak period when plant processes are heavily loaded with trucked waste. The District will post the peak period prices on its website and notify all customers of any changes prior to taking effect.

<sup>5</sup> Clean liquid food waste slurry must behave as a liquid and contain minimal amounts of contamination. Food waste slurries that require additional contamination removal do not qualify for this price.

<sup>6</sup> Unit cost prices are based on treatment costs (residual solids dewatering and disposal), gas production, volumes and other costs or benefits to the District. As part of the permit application process, the District will notify the customer of the unit prices to accept Solid Organic Material.

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## SCHEDULE F – WASTEWATER DEPARTMENT RESOURCE RECOVERY FEES AND PRICES

EFFECTIVE 07/01/2025

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Payment collection for all Resource Recovery accounts shall follow the payment collection provisions contained in Section 13, Payment of Bills in the Regulations Governing Water Service to the Customers of EBMUD and Items C and K, Returned Payment Charge and Late Payment Penalty and Interest, of Schedule C of the Water System Rates and Charges.

| ADMINISTRATIVE FEES          | PRICE  |
|------------------------------|--|
| Account Fee                  | \$400 (per year)                             |
| Expedited Permit Fee         | \$2,500 (per request)                        |
| Categorical Waste Permit Fee | Variable (max \$5,000 per year) <sup>1</sup> |
| Unusual Waste Evaluation Fee | Variable <sup>2</sup>                        |

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<sup>1</sup> This fee is charged annually for categorical wastes that require additional monitoring, record-keeping, sampling, regulatory reporting, inspections, and/or technical analyses for compliance with Part 403 of the Code of Federal Regulations. When a categorical waste is submitted for review, the District will determine the annual fee based on the District's reasonable estimated cost for the work including all analyses, engineering, materials, equipment, consumables, labor, and related expenses incidental to the permit administration. The District will notify the customer of the fee prior to permit issuance or renewal.

<sup>2</sup> For unusual waste reviews that require additional level of analysis and evaluation, the District will determine the reasonable estimated fee for the work including all analyses, engineering, materials, equipment, consumables, labor, and related expenses incidental to the waste evaluation. The District will notify the customer of the fee prior to initiating the waste evaluation.

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## SCHEDULE F – WASTEWATER DEPARTMENT RESOURCE RECOVERY FEES AND PRICES

EFFECTIVE 07/01/2025

| MATERIAL TYPE                               | PRICE <sup>3</sup>  |
|---|---|
| Septage                                     | Up to \$0.12/gal  |
| Fats, Oil and Grease <sup>4</sup>           | Up to \$0.16/gal  |
| Process Water                               | Up to \$0.10/gal  |
| Brine                                       | <u>Variable with Total Dissolved Solid (TDS)</u><br>Up to \$0.10/gal ≤ 50,000 mg/l TDS<br>Up to \$0.11/gal 50,001 – 100,000 mg/l TDS<br>Up to \$0.13/gal > 100,000 mg/l TDS |
| Sludge                                      | <u>Variable with % Total Solids (TS)</u><br>Up to \$0.11/gal up to 3% TS<br>Plus Up to \$0.01/gal per %TS for<br>TS between 3% to 20%                                       |
| Clean Liquid Food Waste Slurry <sup>5</sup> | <u>Variable with % Total Solids (TS)</u><br>Up to \$0.07/gal up to 3% TS<br>Plus Up to \$0.005/gal<br>per % TS for TS between 3% to 20%                                     |
| Liquid Organic Material <sup>4</sup>        | Up to \$0.11/gal  |
| Protein Material <sup>4</sup>               | Up to \$0.17/gal  |
| Solid Organic Material                      | \$30/ton – \$120/ton <sup>6</sup>   |

<sup>3</sup> Current prices shall be available at <https://www.ebmud.com/wastewater/commercial-waste/trucked-waste>. Prices may vary consistent with the cost to treat up the listed amount. Additional charges may apply for special accommodations, such as off-hours deliveries that require additional staff support, special equipment requirements to receive or process material, special treatment requirements, or additional regulatory compliance costs. These charges shall be calculated based on estimated costs of District, labor, material, equipment, consumables, and outside agency fees. The District will notify the customer and provide an estimate prior to providing special accommodations.

<sup>4</sup> A peak period charge of an additional \$0.01/gal above the current price will apply over the weekday peak period when plant processes are heavily loaded with trucked waste. The District will post the peak period prices on its website and notify all customers of any changes prior to taking effect.

<sup>5</sup> Clean liquid food waste slurry must behave as a liquid and contain minimal amounts of contamination. Food waste slurries that require additional contamination removal do not qualify for this price.

<sup>6</sup> Unit cost prices are based on treatment costs (residual solids dewatering and disposal), gas production, volumes and other costs or benefits to the District. As part of the permit application process, the District will notify the customer of the unit prices to accept Solid Organic Material.

Wastewater Department

Schedule G

Capacity Fees

FY 2026





## SCHEDULE G – WASTEWATER DEPARTMENT CAPACITY FEES

EFFECTIVE 07/01/2025<sup>4</sup>

### A. Wastewater Capacity Fee for Non-Permit Applicants

For applicants who are not required to obtain a Wastewater Discharge Permit the Wastewater Capacity Fee (WCF) is based on the applicant's estimated annual wastewater discharge flow and strength.

For an increase or change in water use caused by the creation of an accessory dwelling-unit or junior accessory dwelling-unit on a premises, WCF will be imposed only as authorized by Chapter 13 of Division 1 of Title 7 of the Government Code.

#### 1. Single-Family Residential WCF<sup>1,2</sup>

~~\$3,130~~ \$3,125

#### 2. Multi-Family Residential WCF<sup>2, 3</sup>

| Residential   | WCF (\$ Per Dwelling-Unit)        |
|---|-----------------------------------|
| <del>Multi-Family Standard (&gt;For dwellings over 500 sq. ft.)</del> | <del>\$2,192</del> <u>\$2,200</u> |
| <del>Multi-Family Small (≤For dwellings 500 sq. ft. and under)</del>  | <del>\$1,712</del> <u>\$1,720</u> |

#### 3. Non-Residential WCF for meters 1-1/2 inches and smaller (dollars per connection)<sup>2</sup>

For service connections with meters 1-1/2 inches and smaller, the District reserves the right to request specific water use information from the applicant to determine applicant's estimated annual wastewater discharge flow and strength. The District reserves the right to determine the appropriate meter size and wastewater strength category to meet the applicant's estimated annual wastewater discharge flow and strength and assess the WCF using this Section (A)(3). If the District determines that the applicant's estimated annual wastewater discharge flow exceeds 1,390 gallons per day (gpd) or that a meter larger than 1-1/2 inches is required to meet the applicant's needs, this Section (A)(3) no longer applies. For estimated annual wastewater discharge flows that exceed 1,390 gpd and meters larger than 1-1/2 inches, Section (A)(4) shall be used to determine the WCF based on the applicant's estimated annual wastewater discharge flow and strength category. The District's decision shall be final.

| Strength Category | Meter Size                        |                                     |                                     |
|-------------------|-----------------------------------|-------------------------------------|-------------------------------------|
|                   | 5/8 inch                          | 3/4 & 1 inch                        | 1-1/2 inch                          |
| Low               | <del>\$4,647</del> <u>\$4,660</u> | <del>\$12,215</del> <u>\$12,240</u> | <del>\$23,796</del> <u>\$23,850</u> |
| Medium            | <del>9,404</del> <u>\$9,420</u>   | <del>24,722</del> <u>\$24,770</u>   | <del>48,161</del> <u>\$48,260</u>   |
| High              | <del>18,413</del> <u>\$18,430</u> | <del>48,405</del> <u>\$48,460</u>   | <del>94,298</del> <u>\$94,400</u>   |



## SCHEDULE G – WASTEWATER DEPARTMENT CAPACITY FEES

EFFECTIVE 07/01/2025~~4~~

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### 4. Non-Residential (meter size over 1-1/2 inch)<sup>2, 4, 5</sup>

The WCF for service connections with meters larger than 1-1/2 inch shall be determined on a case-by-case basis by the District based on water use information furnished by the applicant and applying the per ~~unit~~<sup>CCF</sup> (1 unit = 748 gallons) WCF charge to the annual wastewater discharge flow calculated by the District for the appropriate strength category for the service connection.

| Strength Category | \$/ <del>unit</del> <sup>CCF</sup> /year |
|-------------------|--|
| Low               | \$ <del>35.20</del> <sup>35.28</sup>     |
| Medium            | <del>71.24</del> <sup>71.39</sup>        |
| High              | <del>139.49</del> <sup>139.65</sup>      |

In no instance will the WCF for a meter larger than 1-1/2 inches be less than the 1-1/2 inch price for a given strength category.



## SCHEDULE G – WASTEWATER DEPARTMENT CAPACITY FEES

EFFECTIVE 07/01/2025<sup>4</sup>

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If the District has determined based on the water use information furnished that a meter larger than 1-1/2 inches is appropriate or if the estimated annual wastewater discharge exceeds 1,390 gpd, the WCF calculated from the District's estimate of annual wastewater discharge flow shall apply irrespective of the arrangement of the water metering or meter size at the premises.

### **Business Classification Code (BCC) Category: Low Strength**

| Code | Description   |
|------|---|
| 4500 | Air Transportation  |
| 7542 | Automobile Washing and Polishing  |
| 7215 | Coin Operated Laundromats   |
| 3200 | Earthenware Manufacturing   |
| 8060 | Hospitals   |
| 7000 | Hotels, Motels with Food Service  |
| 7300 | Laboratories  |
| 3470 | Metal Coating   |
| 3400 | Metal Products Fabricating  |
| 3300 | Primary Metals Manufacturing  |
| 8200 | Schools   |
| 2820 | Synthetic Material Manufacturing  |
|      | All Other Business Classification Codes<br>(includes dischargers of only segregated<br>domestic wastes from sanitary<br>conveniences) |

### **BCC Category: Medium Strength**

| Code | Description                       |
|------|-----------------------------------|
| 2080 | Beverage Manufacturing & Bottling |
| 2840 | Cleaning and Sanitation Products  |
| 7210 | Commercial Laundries              |
| 2830 | Drug Manufacturing                |
| 5812 | Food Service Establishments       |
| 2030 | Fruit and Vegetable Canning       |
| 2040 | Grain Mills                       |
| 2893 | Ink and Pigment Manufacturing     |
| 2810 | Inorganic Chemicals Manufacturing |
| 2600 | Pulp and Paper Products           |
| 2011 | Slaughterhouses                   |



## SCHEDULE G – WASTEWATER DEPARTMENT CAPACITY FEES

EFFECTIVE 07/01/2025<sup>4</sup>

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### BCC Category: High Strength

| Code | Description                   |
|------|-------------------------------|
| 2050 | Bakeries (including Pastries) |
| 2020 | Dairy Product Processing      |
| 3410 | Drum and Barrel Manufacturing |
| 7218 | Industrial Laundries          |
| 3110 | Leather Tanning and Finishing |
| 2010 | Meat Products                 |
| 2850 | Paint Manufacturing           |
| 2077 | Rendering Tallow              |
| 2090 | Specialty Foods Manufacturing |
| 2060 | Sugar Processing              |

### B. WCF for Permit Applicants

For applicants who are required to obtain a Wastewater Discharge Permit, the WCF is based on the applicant's estimated annual wastewater discharge flow and strength concentrations listed on the applicant's discharge permit at the time of application.

Permit Accounts<sup>2, 4, 5</sup>

|  |                                      |
|--|--------------------------------------|
| Flow (\$/unit <del>ee</del> <sup>ef</sup> /year) | \$ <del>15.73</del> <sup>15.78</sup> |
| Chemical Oxygen Demand (COD) (\$/lb/year)        | <del>1.65</del> <sup>1.65</sup>      |
| Total Suspended Solids (TSS) (\$/lb/year)        | <del>7.56</del> <sup>7.58</sup>      |

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<sup>1</sup>Single-Family is BCC 8800 Single-Family.

<sup>2</sup>A credit may be provided for existing services. Where a new service will replace one or more existing or prior services to a premises that previously paid a WFC, a credit will be applied to the new WCF. For existing meters 1-1/2 inches and smaller, the value of the WCF credit will be determined using the flow and strength assumed in the original WCF and based on the current WCF schedule (for flow and strength), or based on the existing strength and meter size if the information from the original WCF is not available. For existing meters over 1-1/2 inches, the value of the WCF credit will be determined using the flow and strength assumed in the original WCF and based on the current WCF schedule (for flow and strength). If the flow and strength information is not available from the original WCF, the strength and flow from the most recent 10 years of usage and strength will be used to determine the WCF credit, provided that this value is not less than the value indicated in the schedule for the 1-1/2 inch meter.

For premises on which no WCF was paid, customers will be granted a credit for the existing use. For existing meters 1-1/2 inches and smaller, the WCF credit will be calculated based on the current WCF schedule for the existing meter size and strength. For existing meters over 1-1/2 inches, the WCF credit will be calculated based on the most recent 10 years of usage and strength for the existing meter, provided that this value is not less than the value indicated in the schedule for the 1-1/2 inch meter.

If the account is subject to an Estimation Permit, the usage credit will consider diversion. The WCF credit cannot be applied to a dedicated irrigation meter, standby meter, fire service meter, or in the case of a combination standard and fire service meter, the portion of the meter oversized for the private fire protection system.

<sup>3</sup>Multi-family includes BCC 6513 Apartment Buildings and 6514 Multi-Family.



## SCHEDULE G – WASTEWATER DEPARTMENT CAPACITY FEES

EFFECTIVE 07/01/2025<sup>4</sup>

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<sup>4</sup>WCF is based on the anticipated annual flow contributions and the average wastewater strength measured or assigned for each classification of customer. The District may review the actual flow and strength within 24 months, once the business is fully established to verify the estimated demand for wastewater capacity. The review may result in ~~the a assessment~~ determination of additional capacity fees if the actual flow and strength exceeds the original estimate.

<sup>5</sup>Total fee is a summation of the unit rates for flow, COD, and TSS applied to the permit conditions at the time of application.



## SCHEDULE G – WASTEWATER DEPARTMENT CAPACITY FEES

EFFECTIVE 07/01/2025

### A. Wastewater Capacity Fee for Non-Permit Applicants

For applicants who are not required to obtain a Wastewater Discharge Permit the Wastewater Capacity Fee (WCF) is based on the applicant's estimated annual wastewater discharge flow and strength.

For an increase or change in water use caused by the creation of an accessory dwelling or junior accessory dwelling on a premises, WCF will be imposed only as authorized by Chapter 13 of Division 1 of Title 7 of the Government Code.

**1. Single-Family Residential WCF** <sup>1,2</sup> \$3,125

**2. Multi-Family Residential WCF** <sup>2, 3</sup>

| Residential                         | WCF (\$ Per Dwelling) |
|-------------------------------------|-----------------------|
| For dwellings over 500 sq. ft.      | \$2,192               |
| For dwellings 500 sq. ft. and under | \$1,712               |

**3. Non-Residential WCF for meters 1-1/2 inches and smaller (dollars per connection)**<sup>2</sup>

For service connections with meters 1-1/2 inches and smaller, the District reserves the right to request specific water use information from the applicant to determine applicant's estimated annual wastewater discharge flow and strength. The District reserves the right to determine the appropriate meter size and wastewater strength category to meet the applicant's estimated annual wastewater discharge flow and strength and assess the WCF using this Section (A)(3). If the District determines that the applicant's estimated annual wastewater discharge flow exceeds 1,390 gallons per day (gpd) or that a meter larger than 1-1/2 inches is required to meet the applicant's needs, this Section (A)(3) no longer applies. For estimated annual wastewater discharge flows that exceed 1,390 gpd and meters larger than 1-1/2 inches, Section (A)(4) shall be used to determine the WCF based on the applicant's estimated annual wastewater discharge flow and strength category. The District's decision shall be final.

| Strength Category | Meter Size |              |            |
|-------------------|------------|--------------|------------|
|                   | 5/8 inch   | 3/4 & 1 inch | 1-1/2 inch |
| Low               | \$4,647    | \$12,215     | \$23,796   |
| Medium            | 9,404      | 24,722       | 48,161     |
| High              | 18,413     | 48,405       | 94,298     |



## SCHEDULE G – WASTEWATER DEPARTMENT CAPACITY FEES

EFFECTIVE 07/01/2025

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### 4. Non-Residential (meter size over 1-1/2 inch) <sup>2, 4, 5</sup>

The WCF for service connections with meters larger than 1-1/2 inch shall be determined on a case-by-case basis by the District based on water use information furnished by the applicant and applying the per unit (1 unit = 748 gallons) WCF charge to the annual wastewater discharge flow calculated by the District for the appropriate strength category for the service connection.

| Strength Category | \$/unit/year |
|-------------------|--------------|
| Low               | \$35.20      |
| Medium            | 71.24        |
| High              | 139.49       |

In no instance will the WCF for a meter larger than 1-1/2 inches be less than the 1-1/2 inch price for a given strength category.



## SCHEDULE G – WASTEWATER DEPARTMENT CAPACITY FEES

EFFECTIVE 07/01/2025

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If the District has determined based on the water use information furnished that a meter larger than 1-1/2 inches is appropriate or if the estimated annual wastewater discharge exceeds 1,390 gpd, the WCF calculated from the District's estimate of annual wastewater discharge flow shall apply irrespective of the arrangement of the water metering or meter size at the premises.

### **Business Classification Code (BCC) Category: Low Strength**

| Code | Description   |
|------|---|
| 4500 | Air Transportation  |
| 7542 | Automobile Washing and Polishing  |
| 7215 | Coin Operated Laundromats   |
| 3200 | Earthenware Manufacturing   |
| 8060 | Hospitals   |
| 7000 | Hotels, Motels with Food Service  |
| 7300 | Laboratories  |
| 3470 | Metal Coating   |
| 3400 | Metal Products Fabricating  |
| 3300 | Primary Metals Manufacturing  |
| 8200 | Schools   |
| 2820 | Synthetic Material Manufacturing  |
|      | All Other Business Classification Codes<br>(includes dischargers of only segregated<br>domestic wastes from sanitary<br>conveniences) |

### **BCC Category: Medium Strength**

| Code | Description                       |
|------|-----------------------------------|
| 2080 | Beverage Manufacturing & Bottling |
| 2840 | Cleaning and Sanitation Products  |
| 7210 | Commercial Laundries              |
| 2830 | Drug Manufacturing                |
| 5812 | Food Service Establishments       |
| 2030 | Fruit and Vegetable Canning       |
| 2040 | Grain Mills                       |
| 2893 | Ink and Pigment Manufacturing     |
| 2810 | Inorganic Chemicals Manufacturing |
| 2600 | Pulp and Paper Products           |
| 2011 | Slaughterhouses                   |





## SCHEDULE G – WASTEWATER DEPARTMENT CAPACITY FEES

EFFECTIVE 07/01/2025

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### BCC Category: High Strength

| Code | Description                   |
|------|-------------------------------|
| 2050 | Bakeries (including Pastries) |
| 2020 | Dairy Product Processing      |
| 3410 | Drum and Barrel Manufacturing |
| 7218 | Industrial Laundries          |
| 3110 | Leather Tanning and Finishing |
| 2010 | Meat Products                 |
| 2850 | Paint Manufacturing           |
| 2077 | Rendering Tallow              |
| 2090 | Specialty Foods Manufacturing |
| 2060 | Sugar Processing              |

### B. WCF for Permit Applicants

For applicants who are required to obtain a Wastewater Discharge Permit, the WCF is based on the applicant's estimated annual wastewater discharge flow and strength concentrations listed on the applicant's discharge permit at the time of application.

Permit Accounts <sup>2, 4, 5</sup>

|   |         |
|---|---------|
| Flow (\$/unit/year)                       | \$15.73 |
| Chemical Oxygen Demand (COD) (\$/lb/year) | 1.65    |
| Total Suspended Solids (TSS) (\$/lb/year) | 7.56    |

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<sup>1</sup>Single-Family is BCC 8800 Single-Family.

<sup>2</sup>A credit may be provided for existing services. Where a new service will replace one or more existing or prior services to a premises that previously paid a WFC, a credit will be applied to the new WCF. For existing meters 1-1/2 inches and smaller, the value of the WCF credit will be determined using the flow and strength assumed in the original WCF and based on the current WCF schedule (for flow and strength), or based on the existing strength and meter size if the information from the original WCF is not available. For existing meters over 1-1/2 inches, the value of the WCF credit will be determined using the flow and strength assumed in the original WCF and based on the current WCF schedule (for flow and strength). If the flow and strength information is not available from the original WCF, the strength and flow from the most recent 10 years of usage and strength will be used to determine the WCF credit, provided that this value is not less than the value indicated in the schedule for the 1-1/2 inch meter.

For premises on which no WCF was paid, customers will be granted a credit for the existing use. For existing meters 1-1/2 inches and smaller, the WCF credit will be calculated based on the current WCF schedule for the existing meter size and strength. For existing meters over 1-1/2 inches, the WCF credit will be calculated based on the most recent 10 years of usage and strength for the existing meter, provided that this value is not less than the value indicated in the schedule for the 1-1/2 inch meter.

If the account is subject to an Estimation Permit, the usage credit will consider diversion. The WCF credit cannot be applied to a dedicated irrigation meter, standby meter, fire service meter, or in the case of a combination standard and fire service meter, the portion of the meter oversized for the private fire protection system.

<sup>3</sup>Multi-family includes BCC 6513 Apartment Buildings and 6514 Multi-Family.



## SCHEDULE G – WASTEWATER DEPARTMENT CAPACITY FEES

EFFECTIVE 07/01/2025

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<sup>4</sup>WCF is based on the anticipated annual flow contributions and the average wastewater strength measured or assigned for each classification of customer. The District may review the actual flow and strength within 24 months, once the business is fully established to verify the estimated demand for wastewater capacity. The review may result in a determination of additional capacity fees if the actual flow and strength exceeds the original estimate.

<sup>5</sup>Total fee is a summation of the unit rates for flow, COD, and TSS applied to the permit conditions at the time of application.

Wastewater Department

Schedule H

Wastewater Interceptor Connection  
Review, Coordination and Inspection Fees

FY 2026



**SCHEDULE H – WASTEWATER DEPARTMENT  
WASTEWATER INTERCEPTOR CONNECTION REVIEW,  
COORDINATION, AND INSPECTION FEE**

EFFECTIVE 07/01/202~~5~~<sup>4</sup>

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| TYPE  | RATE                               |
|---|------------------------------------|
| Plan Review, Project Coordination and Construction Inspection | \$ <del>13,100</del> <u>13,600</u> |
| Each Additional Connection <sup>1</sup>                       | \$ <del>10,700</del> <u>11,100</u> |

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<sup>1</sup> For additional connections submitted and constructed under the same project with the same design and pipe sizes.



**SCHEDULE H – WASTEWATER DEPARTMENT  
WASTEWATER INTERCEPTOR CONNECTION REVIEW,  
COORDINATION, AND INSPECTION FEE**

EFFECTIVE 07/01/2025

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| TYPE  | RATE     |
|---|----------|
| Plan Review, Project Coordination and Construction Inspection | \$13,600 |
| Each Additional Connection <sup>1</sup>                       | \$11,100 |

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<sup>1</sup> For additional connections submitted and constructed under the same project with the same design and pipe sizes.

# Public Records Act Fee Schedule and District Publications Fees

FY 2026



## PUBLIC RECORDS ACT FEE SCHEDULE

EFFECTIVE 07/01/2025<sup>4</sup>

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### **INTRODUCTION**

The following fee schedule has been established by the District to cover the costs for duplicating District documents, drawings, maps, recordings, and other records, as required by the Public Records Act.

The District offers access to its records upon receipt of a request that reasonably describes an identifiable record. Any questions or requests concerning District documents should be addressed to the Secretary of the District, East Bay Municipal Utility District, P.O. Box 24055, Oakland, California 94623-1055, emailed to [SecOffice@ebmud.com](mailto:SecOffice@ebmud.com), or by calling (510) 287-0404. [Requests can also be sent via the portal at https://www.ebmud.com/about-us/public-records](https://www.ebmud.com/about-us/public-records).

### **CHARGES**

Pursuant to the Public Records Act, the District may recover the “direct costs of duplication” for disclosable public records, unless a different charge is provided by statute. The direct cost of duplication generally covers two types of expenses – materials & equipment costs and labor costs.

- Materials & Equipment costs generally include the capital cost of the equipment, the maintenance contract, paper supplies, and other necessary expenses that must be incurred to make the equipment operational.
- Labor costs ordinarily include the pro rata salary of the clerical or technical employee operating the equipment.

The total cost for providing copies is a combination of materials, labor for actual duplication time, equipment usage, and postage, if applicable. The direct cost of duplication may vary depending on the size and type of media requested and the kind of reproduction equipment required.

Photocopies of non-District materials are charged at the same rate as District materials.

Prices quoted in this fee schedule are subject to change. An estimate of cost will be provided upon request.

Any records sent outside for duplication will be billed as the actual cost of duplication by the outside vendor.

### **PAYMENT**

For requests estimated to cost over \$100 in duplication or query and compilation fees, a deposit in the amount of the estimated fee will be required before duplication.

For all requests, payment in advance is required before release of records. Acceptable methods of payment include cash or check (payable to East Bay Municipal Utility District). The District does not currently accept electronic payments.



## PUBLIC RECORDS ACT FEE SCHEDULE

EFFECTIVE 07/01/2025<sup>4</sup>

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### **INSPECTION/DELIVERY/PICK UP**

The requestor is entitled to inspect records and/or obtain copies of records during normal business hours (8:00 a.m. to 4:30 p.m., Monday through Friday).

If the requestor wishes records to be delivered, copies will be sent first class mail unless the requestor makes other arrangements for pick up or delivery with the Secretary's Office. Postage will be charged for copies mailed to the requestor.

Federal Express service is available if the requestor supplies a Federal Express account number.

### **LEGAL COMPLIANCE OBLIGATIONS**

Responsibility for adherence to copyright law rests with the individual requesting copies.

### **CATEGORIES**

This fee schedule covers the following categories of document types or formats:

- I. Paper Based Records
  - A. General Business Documents & Engineering Drawings
  - B. Printed Maps
  - C. Bid Documents for Publicly Bid Projects
- II. Electronically Stored or Generated Records
  - A. Records that already exist
  - B. Records that do not already exist
  - C. Compact Disks (CDs)
  - D. Digital Versatile Disks (DVDs)

Fees for document types/requests not covered herein will be provided upon request.





## PUBLIC RECORDS ACT FEE SCHEDULE

EFFECTIVE 07/01/2025<sup>4</sup>

### I. PAPER BASED RECORDS

#### A. GENERAL BUSINESS DOCUMENTS & ENGINEERING DRAWINGS

The fees charged for reproducing general business documents and engineering drawings, and printed maps photocopied onto regular paper in the sizes indicated below are based on the actual cost of duplication by the District.

**Fee = Labor Cost** (\$~~0.72~~0.86 per minute duplicating time)  
**+ Materials & Equipment Cost** (e.g., cost per sheet or media)  
**+ Postage** (if applicable)

- **Labor Costs:** Labor costs for duplication time is charged at the rate of \$~~0.72~~0.86 per minute. Labor costs are based on the labor rate of a clerical employee and is charged only for the actual time spent on duplication.
- **Materials & Equipment:** The duplicating cost per sheet or media type is based on the actual cost of materials and equipment needed to reproduce documents. As detailed below, fees will vary depending on the type and size of documents and the method used for duplication.

##### 1) Regular copies

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|            |             |
|------------|-------------|
| 8-1/2 x 11 | \$0.09/page |
| 11 x 17    | 0.17/page   |

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##### 2) Color copies

Requests for color copies may be sent to an outside vendor and charged back to the requestor.

##### ~~3) Facsimile copies within the continental U.S.~~

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|                       |                        |
|-----------------------|------------------------|
| <del>8-1/2 x 11</del> | <del>\$0.50/page</del> |
|-----------------------|------------------------|

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## PUBLIC RECORDS ACT FEE SCHEDULE

EFFECTIVE 07/01/2025<sup>4</sup>

### 4) Engineering drawings

| Size       | Bond   | Vellum |
|------------|--------|--------|
| 8-1/2 x 11 | \$0.09 | N/A    |
| 11 x 17    | 0.17   | N/A    |
| 17 width   | 0.33   | N/A    |
| 22 width   | 0.66   | \$1.77 |
| 28 x 38    | 0.96   | N/A    |

For sizes larger than those indicated in this chart, Engineering Records will determine the cost.

Drawings having a width greater than 36 inches cannot be reproduced on District equipment and must be sent out for commercial copying. These charges will be billed to the requestor.

### B. PRINTED MAPS

The fees in this section apply to the duplication of existing hard copy B-maps. The fee listed is the cost per map for duplication by the District's print shop. All other pre-printed map sizes require special formatting and the cost for duplication by an outside vendor will be determined upon request.

|   |               |
|---|---------------|
| <b>B-maps</b> 250' scale (11 x 17) includes Map View prints | \$0.99/map    |
| <b>Map Book Covers</b>                                      | \$38.64/cover |

### C. BID DOCUMENTS FOR PUBLICLY BID PROJECTS

Copies of plans for publicly bid construction projects are available through the District's Specifications and Engineering Support Section at a per set cost established as each project is issued for bid. The fee will be based on the cost for duplication at the District's print shop or an outside copy service and postage, if applicable.

Pre-paid documents will be sent first class mail unless the requestor makes other arrangements for document pickup or delivery with the Specifications Clerk. Federal Express service is available if the requestor supplies a Federal Express account number. The Specifications and Engineering Support Section can be reached at [specs@ebmud.com](mailto:specs@ebmud.com) or (510) 287-1040.

Contract documents (specifications, plans, and addenda) are also available for viewing and downloading from EBMUD's public website: [www.ebmud.com](http://www.ebmud.com) via the "Business Center" link.



## PUBLIC RECORDS ACT FEE SCHEDULE

EFFECTIVE 07/01/2025<sup>4</sup>

Copies of historic contract documents can be provided in accordance with the provisions of item 1: General Business Documents.

### II. ELECTRONICALLY STORED OR GENERATED DATA

The fees in this section apply to records stored electronically.

In general, there are two types of electronic records: (a) records that already exist on a system and merely require printing; and (b) records that do not currently exist and require data compilation, extraction, or programming to produce. A different fee rate applies to each of these types of records.

#### A. RECORDS THAT ALREADY EXIST

When a requestor seeks a record that already exists on a system (i.e., a record merely needs to be retrieved and printed, and does not require data compilation, extraction, or programming to produce), the following fee applies:

**Fee = Labor Cost** (\$~~0.72~~<sup>0.86</sup> per minute duplicating time)  
**+ Materials & Equipment Cost**  
**+ Postage** (if applicable)

Materials & Equipment costs vary with the types/formats of records requested as specified below:

##### 1) Digital copies – PDF Files (including B-maps)

| Cost of Media       |        |
|---------------------|--------|
| CD                  | \$3.05 |
| DVD                 | 6.35   |
| Electronic Transfer | N/C    |



## PUBLIC RECORDS ACT FEE SCHEDULE

EFFECTIVE 07/01/2025~~4~~

### 2) Maps on Demand

| Size       | Bond   | Vellum* | Bond Color |
|------------|--------|---------|------------|
| 8-1/2 x 11 | \$0.10 | \$0.19  | \$0.38     |
| 11 x 17    | 0.19   | 0.36    | 0.73       |
| 17 x 22    | 0.33   | 0.60    | 2.05       |
| 22 x 34    | 0.49   | 0.84    | 3.38       |
| 28 x 38    | 0.66   | 1.10    | 5.02       |

\*Costs reflect color plots produced only from existing files.

### 3) Other Electronic Records

| Description             | Charge per Unit |
|-------------------------|-----------------|
| 8-1/2 x 11 (PC Printer) | \$0.09/page     |
| CD                      | 3.05 each       |
| DVD                     | 6.35 each       |
| Electronic Transfer     | N/C             |

## B. RECORDS THAT DO NOT ALREADY EXIST

When a requestor seeks records that do not currently exist on a system and require data compilation, extraction, or programming to produce, the requestor shall pay the cost to construct a new record, and the cost of programming and computer services necessary to produce a copy of the record. However, the District is under no obligation to provide records that do not already exist. Accordingly, the applicable fee is:

**Fee = Labor Cost** (\$~~1.37~~1.41 per minute production time)  
**+ Materials & Equipment Cost** (rates specified in Section II.A)  
**+ Postage** (if applicable)

Labor cost is based on the "average technical labor" rate and is charged only for the actual time spent producing the record.

This fee also applies when the request requires producing a record outside of the regularly scheduled interval.

## C. COMPACT DISCS (CDs)

**Fee = Labor Cost** (\$~~0.72~~0.86 per minute duplicating time)  
**Cost per disc** (CD-R Disc, Write-Once, 700 MB, 80 Minute, 52X = \$3.05/disc)  
**+ Postage** (if applicable)



## PUBLIC RECORDS ACT FEE SCHEDULE

EFFECTIVE 07/01/2025~~4~~

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### D. DIGITAL VERSATILE DISCS (DVDs)

**Fee = Labor Cost** (\$~~0.72~~0.86 per minute duplicating time)  
**Cost per disc** (DVD+R, 16X, Single Sided, 4.7 GB/120 Minutes = \$6.35/disc)  
**+ Postage** (if applicable)

### E. DIGITAL VERSATILE DISCS (DVDs)

Recordings of regular meetings of the Board of Directors are available on [www.ebmud.com](http://www.ebmud.com). Copies of archived recordings of regular meetings of the Board of Directors ~~prior to May 2019~~ are available upon request and can be provided on compact disc or digital versatile disc. Recordings after May 2019 are available for review on EBMUD's YouTube channel.

**NOTE** – The District no longer uses cassette tapes.

## DISTRICT PUBLICATION FEES

**Fee = Cost of publication** (see below)  
**+ Sales tax**  
**+ Postage** (if applicable)

|   |        |
|---|--------|
| Municipal Utility District Act (printed and comb-bound) | \$5.15 |
| Electronic Transfer                                     | N/C    |

|                  |         |
|------------------|---------|
| Its Name Was MUD | \$18.00 |
|------------------|---------|

Plants and Landscapes for Summer Dry Climates of the San Francisco Bay Region

|                     |              |
|---------------------|--------------|
| Hardcover           | \$49.95 each |
| For EBMUD customers | \$29.95 each |

|                       |                    |
|-----------------------|--------------------|
| Vendors and Retailers | up to 50% discount |
|-----------------------|--------------------|



## PUBLIC RECORDS ACT FEE SCHEDULE

EFFECTIVE 07/01/2025

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### **INTRODUCTION**

The following fee schedule has been established by the District to cover the costs for duplicating District documents, drawings, maps, recordings, and other records, as required by the Public Records Act.

The District offers access to its records upon receipt of a request that reasonably describes an identifiable record. Any questions or requests concerning District documents should be addressed to the Secretary of the District, East Bay Municipal Utility District, P.O. Box 24055, Oakland, California 94623-1055, emailed to [SecOffice@ebmud.com](mailto:SecOffice@ebmud.com), or by calling (510) 287-0404. Requests can also be sent via the portal at <https://www.ebmud.com/about-us/public-records>.

### **CHARGES**

Pursuant to the Public Records Act, the District may recover the “direct costs of duplication” for disclosable public records, unless a different charge is provided by statute. The direct cost of duplication generally covers two types of expenses – materials & equipment costs and labor costs.

- Materials & Equipment costs generally include the capital cost of the equipment, the maintenance contract, paper supplies, and other necessary expenses that must be incurred to make the equipment operational.
- Labor costs ordinarily include the pro rata salary of the clerical or technical employee operating the equipment.

The total cost for providing copies is a combination of materials, labor for actual duplication time, equipment usage, and postage, if applicable. The direct cost of duplication may vary depending on the size and type of media requested and the kind of reproduction equipment required.

Photocopies of non-District materials are charged at the same rate as District materials.

Prices quoted in this fee schedule are subject to change. An estimate of cost will be provided upon request.

Any records sent outside for duplication will be billed as the actual cost of duplication by the outside vendor.

### **PAYMENT**

For requests estimated to cost over \$100 in duplication or query and compilation fees, a deposit in the amount of the estimated fee will be required before duplication.

For all requests, payment in advance is required before release of records. Acceptable methods of payment include cash or check (payable to East Bay Municipal Utility District). The District does not currently accept electronic payments.



## PUBLIC RECORDS ACT FEE SCHEDULE

EFFECTIVE 07/01/2025

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### **INSPECTION/DELIVERY/PICK UP**

The requestor is entitled to inspect records and/or obtain copies of records during normal business hours (8:00 a.m. to 4:30 p.m., Monday through Friday).

If the requestor wishes records to be delivered, copies will be sent first class mail unless the requestor makes other arrangements for pick up or delivery with the Secretary's Office. Postage will be charged for copies mailed to the requestor.

Federal Express service is available if the requestor supplies a Federal Express account number.

### **LEGAL COMPLIANCE OBLIGATIONS**

Responsibility for adherence to copyright law rests with the individual requesting copies.

### **CATEGORIES**

This fee schedule covers the following categories of document types or formats:

- I. Paper Based Records
  - A. General Business Documents & Engineering Drawings
  - B. Printed Maps
  - C. Bid Documents for Publicly Bid Projects
- II. Electronically Stored or Generated Records
  - A. Records that already exist
  - B. Records that do not already exist
  - C. Compact Disks (CDs)
  - D. Digital Versatile Disks (DVDs)

Fees for document types/requests not covered herein will be provided upon request.



## PUBLIC RECORDS ACT FEE SCHEDULE

EFFECTIVE 07/01/2025

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### I. PAPER BASED RECORDS

#### A. GENERAL BUSINESS DOCUMENTS & ENGINEERING DRAWINGS

The fees charged for reproducing general business documents and engineering drawings, and printed maps photocopied onto regular paper in the sizes indicated below are based on the actual cost of duplication by the District.

**Fee = Labor Cost** (\$0.86 per minute duplicating time)  
**+ Materials & Equipment Cost** (e.g., cost per sheet or media)  
**+ Postage** (if applicable)

- **Labor Costs:** Labor costs for duplication time is charged at the rate of \$0.86 per minute. Labor costs are based on the labor rate of a clerical employee and is charged only for the actual time spent on duplication.
- **Materials & Equipment:** The duplicating cost per sheet or media type is based on the actual cost of materials and equipment needed to reproduce documents. As detailed below, fees will vary depending on the type and size of documents and the method used for duplication.

##### 1) Regular copies

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|            |             |
|------------|-------------|
| 8-1/2 x 11 | \$0.09/page |
| 11 x 17    | 0.17/page   |

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##### 2) Color copies

Requests for color copies may be sent to an outside vendor and charged back to the requestor.





## PUBLIC RECORDS ACT FEE SCHEDULE

EFFECTIVE 07/01/2025

### 4) Engineering drawings

| Size       | Bond   | Vellum |
|------------|--------|--------|
| 8-1/2 x 11 | \$0.09 | N/A    |
| 11 x 17    | 0.17   | N/A    |
| 17 width   | 0.33   | N/A    |
| 22 width   | 0.66   | \$1.77 |
| 28 x 38    | 0.96   | N/A    |

For sizes larger than those indicated in this chart, Engineering Records will determine the cost.

Drawings having a width greater than 36 inches cannot be reproduced on District equipment and must be sent out for commercial copying. These charges will be billed to the requestor.

### B. PRINTED MAPS

The fees in this section apply to the duplication of existing hard copy B-maps. The fee listed is the cost per map for duplication by the District's print shop. All other pre-printed map sizes require special formatting and the cost for duplication by an outside vendor will be determined upon request.

|   |               |
|---|---------------|
| <b>B-maps</b> 250' scale (11 x 17) includes Map View prints | \$0.99/map    |
| <b>Map Book Covers</b>                                      | \$38.64/cover |



## PUBLIC RECORDS ACT FEE SCHEDULE

EFFECTIVE 07/01/2025

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### C. BID DOCUMENTS FOR PUBLICLY BID PROJECTS

Copies of plans for publicly bid construction projects are available through the District's Specifications and Engineering Support Section at a per set cost established as each project is issued for bid. The fee will be based on the cost for duplication at the District's print shop or an outside copy service and postage, if applicable.

Pre-paid documents will be sent first class mail unless the requestor makes other arrangements for document pickup or delivery with the Specifications Clerk. Federal Express service is available if the requestor supplies a Federal Express account number. The Specifications and Engineering Support Section can be reached at [specs@ebmud.com](mailto:specs@ebmud.com) or (510) 287-1040.

Contract documents (specifications, plans, and addenda) are also available for viewing and downloading from EBMUD's public website: [www.ebmud.com](http://www.ebmud.com) via the "Business Center" link.

Copies of historic contract documents can be provided in accordance with the provisions of item 1: General Business Documents.

## II. ELECTRONICALLY STORED OR GENERATED DATA

The fees in this section apply to records stored electronically.

In general, there are two types of electronic records: (a) records that already exist on a system and merely require printing; and (b) records that do not currently exist and require data compilation, extraction, or programming to produce. A different fee rate applies to each of these types of records.

### A. RECORDS THAT ALREADY EXIST

When a requestor seeks a record that already exists on a system (i.e., a record merely needs to be retrieved and printed, and does not require data compilation, extraction, or programming to produce), the following fee applies:

**Fee = Labor Cost** (\$0.86 per minute duplicating time)  
+ **Materials & Equipment Cost**  
+ **Postage** (if applicable)

Materials & Equipment costs vary with the types/formats of records requested as specified below:



## PUBLIC RECORDS ACT FEE SCHEDULE

EFFECTIVE 07/01/2025

### 1) Digital copies – PDF Files (including B-maps)

| Cost of Media       |        |
|---------------------|--------|
| CD                  | \$3.05 |
| DVD                 | 6.35   |
| Electronic Transfer | N/C    |

### 2) Maps on Demand

| Size       | Bond   | Vellum* | Bond Color |
|------------|--------|---------|------------|
| 8-1/2 x 11 | \$0.10 | \$0.19  | \$0.38     |
| 11 x 17    | 0.19   | 0.36    | 0.73       |
| 17 x 22    | 0.33   | 0.60    | 2.05       |
| 22 x 34    | 0.49   | 0.84    | 3.38       |
| 28 x 38    | 0.66   | 1.10    | 5.02       |

\*Costs reflect color plots produced only from existing files.

### 3) Other Electronic Records

| Description             | Charge per Unit |
|-------------------------|-----------------|
| 8-1/2 x 11 (PC Printer) | \$0.09/page     |
| CD                      | 3.05 each       |
| DVD                     | 6.35 each       |
| Electronic Transfer     | N/C             |



## PUBLIC RECORDS ACT FEE SCHEDULE

EFFECTIVE 07/01/2025

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### B. RECORDS THAT DO NOT ALREADY EXIST

When a requestor seeks records that do not currently exist on a system and require data compilation, extraction, or programming to produce, the requestor shall pay the cost to construct a new record, and the cost of programming and computer services necessary to produce a copy of the record. However, the District is under no obligation to provide records that do not already exist. Accordingly, the applicable fee is:

**Fee = Labor Cost** (\$1.41 per minute production time)  
+ **Materials & Equipment Cost** (rates specified in Section II.A)  
+ **Postage** (if applicable)

Labor cost is based on the "average technical labor" rate and is charged only for the actual time spent producing the record.

This fee also applies when the request requires producing a record outside of the regularly scheduled interval.

### C. COMPACT DISCS (CDs)

**Fee = Labor Cost** (\$0.86 per minute duplicating time)  
**Cost per disc** (CD-R Disc, Write-Once, 700 MB, 80 Minute, 52X = \$3.05/disc)  
+ **Postage** (if applicable)

### D. DIGITAL VERSATILE DISCS (DVDs)

**Fee = Labor Cost** (\$0.86 per minute duplicating time)  
**Cost per disc** (DVD+R, 16X, Single Sided, 4.7 GB/120 Minutes = \$6.35/disc)  
+ **Postage** (if applicable)

### E. DIGITAL VERSATILE DISCS (DVDs)

Recordings of regular meetings of the Board of Directors are available on [www.ebmud.com](http://www.ebmud.com). Copies of archived recordings of regular meetings of the Board of Directors are available upon request and can be provided on compact disc or digital versatile disc. Recordings after May 2019 are available for review on EBMUD's YouTube channel.

**NOTE** – The District no longer uses cassette tapes.



## PUBLIC RECORDS ACT FEE SCHEDULE

EFFECTIVE 07/01/2025

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### DISTRICT PUBLICATION FEES

**Fee = Cost of publication** (see below)  
**+ Sales tax**  
**+ Postage** (if applicable)

|   |        |
|---|--------|
| Municipal Utility District Act (printed and comb-bound) | \$5.15 |
| Electronic Transfer                                     | N/C    |

|                  |         |
|------------------|---------|
| Its Name Was MUD | \$18.00 |
|------------------|---------|

Plants and Landscapes for Summer Dry Climates of the San Francisco Bay Region

|                     |              |
|---------------------|--------------|
| Hardcover           | \$49.95 each |
| For EBMUD customers | \$29.95 each |

|                       |                    |
|-----------------------|--------------------|
| Vendors and Retailers | up to 50% discount |
|-----------------------|--------------------|

# Real Property Use Application Fees

FY 2026



## REAL PROPERTY USE APPLICATION FEES

EFFECTIVE 07/01/2025<sup>4</sup>

| TYPE OF USE   | APPLICATION FEE   |
|---|---|
| <b>Fee Title</b> ( <i>Outright purchase of District property</i> )  |   |
| Properties for Sale   | <del>\$2,700</del> <u>2,917</u>                                 |
| Unsolicited   | <del>46,000</del> <u>17,181</u>                                 |
| <b>Easement</b> ( <i>Rights for permanent use of District property, such as access, utilities, etc.</i> )   |   |
| Utility Type  | <del>2,700</del> <u>2,917</u>                                   |
| Other   | <del>7,500</del> <u>8,002</u>                                   |
| <b>Quitclaim</b> ( <i>Removal of District's right, title and interest to property</i> )   |   |
| Pipe Abandonment  | <del>1,400</del> <u>1,463</u>                                   |
| Other   | <del>3,000</del> <u>3,268</u>                                   |
| <b>Revocable License</b> ( <i>Permission to use District property for periods exceeding one year, subject to revocation. For such uses as utility road crossings of aqueduct properties</i> )             | <del>2,200</del> <u>2,340</u>                                   |
| <b>Lease</b> ( <i>The right to occupy and use District land for a specified time period</i> )   | <del>2,700</del> <u>2,918</u>                                   |
| <b>Telecommunication Lease</b> ( <i>Long-term lease for PCS, cellular and/or radio uses</i> )   | <del>4,600</del> <u>4,938</u>                                   |
| <b>Information-Only</b> ( <i>Request for information requiring research of District records. Information-only applicants will be charged a fee only if the estimated research time exceeds one hour</i> ) | <del>170</del> <u>186</u> /hour                                 |
| <b>Processing and Review of Watershed Land Use Proposals</b> ( <i>Request for District to perform a formal evaluation of watershed land use proposal</i> )  | <del>170</del> <u>186</u> /hour (plus all other District costs) |
| <b>Property Entry Permits, Rights of Entry Permits</b> ( <i>Permission for temporary access onto District</i> )   | <del>440</del> <u>438</u>                                       |
| <b>Limited Land Use Permit</b> ( <i>Allows landscaping, gardening or other minor surface use of District property, subject to annual renewal</i> )  | <del>150</del> <u>160</u>                                       |
| <b>Temporary Construction Easement/Encroachment Permit</b> ( <i>Permission for temporary access onto District</i> )   |   |
| Open Land, No District Facilities   | <del>820</del> <u>877</u>                                       |
| With District Facilities  | <del>2,900</del> <u>3,104</u>                                   |
| <b>Survey Costs if needed</b> ( <i>Application use fees listed above do not include survey costs if needed</i> )  | <del>190</del> <u>203</u> /hour                                 |
| <b>Long Term Encroachment Permit</b>  | <del>27,300</del> <u>29,488</u>                                 |



## REAL PROPERTY USE APPLICATION FEES

EFFECTIVE 07/01/2025

| TYPE OF USE   | APPLICATION FEE                          |
|---|--|
| <b>Fee Title</b> ( <i>Outright purchase of District property</i> )  |  |
| Properties for Sale   | \$2,917                                  |
| Unsolicited   | 17,181                                   |
| <b>Easement</b> ( <i>Rights for permanent use of District property, such as access, utilities, etc.</i> )   |  |
| Utility Type  | 2,917                                    |
| Other   | 8,002                                    |
| <b>Quitclaim</b> ( <i>Removal of District's right, title and interest to property</i> )   |  |
| Pipe Abandonment  | 1,463                                    |
| Other   | 3,268                                    |
| <b>Revocable License</b> ( <i>Permission to use District property for periods exceeding one year, subject to revocation. For such uses as utility road crossings of aqueduct properties</i> )             | 2,340                                    |
| <b>Lease</b> ( <i>The right to occupy and use District land for a specified time period</i> )   | 2,918                                    |
| <b>Telecommunication Lease</b> ( <i>Long-term lease for PCS, cellular and/or radio uses</i> )   | 4,938                                    |
| <b>Information-Only</b> ( <i>Request for information requiring research of District records. Information-only applicants will be charged a fee only if the estimated research time exceeds one hour</i> ) | 186/hour                                 |
| <b>Processing and Review of Watershed Land Use Proposals</b> ( <i>Request for District to perform a formal evaluation of watershed land use proposal</i> )  | 186/hour (plus all other District costs) |
| <b>Property Entry Permits, Rights of Entry Permits</b> ( <i>Permission for temporary access onto District</i> )   | 438                                      |
| <b>Limited Land Use Permit</b> ( <i>Allows landscaping, gardening or other minor surface use of District property, subject to annual renewal</i> )  | 160                                      |
| <b>Temporary Construction Easement/Encroachment Permit</b> ( <i>Permission for temporary access onto District</i> )   |  |
| Open Land, No District Facilities   | 877                                      |
| With District Facilities  | 3,104                                    |
| <b>Survey Costs if needed</b> ( <i>Application use fees listed above do not include survey costs if needed</i> )  | 203/hour                                 |
| <b>Long Term Encroachment Permit</b>  | 29,488                                   |



Recreation Use Fees

Calendar Year 2026



**RECREATION USE FEES FOR 2026<sup>1</sup>**  
**January – December 2026<sup>1</sup>**  
**EFFECTIVE 01/01/2026<sup>1</sup>**

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The following fees apply to use of the District's recreation facilities at Camanche Hills Hunting Preserve, Camanche Reservoir, Lafayette Reservoir, Pardee Reservoir, San Pablo Reservoir and on the District's Watershed Trail System.

All other (not included in this schedule) charges and fees for merchandise and services provided to the public in connection with the public uses of the recreation areas and facilities thereat shall be determined by the concessionaire or by the District and shall be reasonable and consistent with charges for similar merchandise and services at similar locations.

General Discount Program – Discounts from fees listed may be offered to attract new customers and/or to improve revenues. General discounts will be applied for specified time frames and apply fairly and uniformly. General discounts must be approved by the Director of Water and Natural Resources Department in advance.

District employees, retirees and immediate family receive free vehicle entry and boat launch, and a camping discount equal to the car entry fee (limit one per day).

Volunteer Discount Program – Free one-year Trail Use Permit and 50% discount on vehicle entry/parking and boat launch for those who contribute an annual minimum of 20 hours of volunteer work while participating in a District Volunteer Program.

Distinguished Veteran Discount Program – Holders of the California State Parks Distinguished Veteran Pass receive free day use and boat launch at all District recreation areas.

Fishing Access Permits are required for persons 16 years of age or older. Up to four children 15 years and under and accompanied by a person who possesses a valid CA fishing license and daily fishing access permit, may fish under that fishing access permit subject to the daily possession limit of the permit holder. Every accompanied child, over the allowed number of four, must have individual fishing access permits. Each child not accompanied by a fishing access permit holding adult must obtain his/her own fishing access permit.

No Fishing Access Permit is required on the two annual California Department of Fish and Wildlife Free Fishing Days.

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<sup>1</sup>Fee years are by calendar year for all locations except the Camanche Hills Hunting Preserve where fees are implemented earlier for the hunting year October 1 - September 30.



**RECREATION USE FEES FOR 2026<sup>5</sup>**  
**January – December 2026<sup>5</sup>**  
**EFFECTIVE 01/01/2026<sup>5</sup>**

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**CAMANCHE HILLS HUNTING PRESERVE<sup>1</sup>**

**PRESERVE LICENSE:**

|                                |            |
|--------------------------------|------------|
| Initiation Fee (Family)        | \$3,495.00 |
| Initiation Fee (Corporate)     | 3,495.00   |
| Annual Maintenance (Family)    | 300.00     |
| Annual Maintenance (Corporate) | 600.00     |

|  |        |
|--|--------|
| <b>LICENSED GUIDE GOOSE HUNT (PER PERSON/HUNT)</b> | 200.00 |
|--|--------|

**ARCHERY RANGE AND COURSE**

|                             |       |
|-----------------------------|-------|
| 7 Station 3-D Target Course |       |
| Per person                  | 12.00 |

**FISHING ACCESS TO RABBIT CREEK  
ARM OF CAMANCHE LAKE AND FARM  
PONDS LOCATED ON CHHP  
RECREATIONAL AREA**

|                       |       |
|-----------------------|-------|
| Public Fishing Access | 10.00 |
| CHHP Members Access   | 5.00  |

**FISHING ACCESS TO RABBIT CREEK  
ARM OF CAMANCHE LAKE**

|                                     |       |
|-------------------------------------|-------|
| Public Fishing Access: Bow for Carp | 10.00 |
|-------------------------------------|-------|

**RV PARKING AREA**

|                          |        |
|--------------------------|--------|
| Nightly                  | 10.00  |
| Clubhouse Rental (daily) | 500.00 |
| Kitchen Rental (daily)   | 500.00 |
| Grounds (daily)          | 500.00 |

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<sup>1</sup>Fee years are by calendar year for all locations except the Camanche Hills Hunting Preserve where fees are implemented earlier for the hunting year October 1 - September 30.



**RECREATION USE FEES FOR 2026<sup>5</sup>**  
**January – December 2026<sup>5</sup>**  
**EFFECTIVE 01/01/2026<sup>5</sup>**

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**Camanche Hills Hunting Preserve Discounts, Special Programs and Limitations**

Pricing for planted bird hunting will be reviewed and approved by the Director of Water and Natural Resources.

Free bird hunting and sporting clays shooting is offered to the communications media, based on the availability of birds and sporting clays course.

Free use of the facilities is offered to non-profit hunting organizations for family, disabled and junior hunting functions.

A target shooting (sporting clay, trap, 5-stand and bunkers) discount of 15% is offered to Senior, Disabled, and active or retired military visitors.

A target shooting discount of 50% is offered to Distinguished Veteran Pass holders.

A driven pheasant shoot discount of 15% is offered to Senior, Disabled, active or retired military, and Distinguished Veteran Pass holders.

An RV parking discount of 50% is offered to Senior, Disabled and Distinguished Veteran Pass holders.

Daily field trial events are permitted on a limited basis. Fees range from \$0 for qualified non-profit organizations to a maximum of \$200.00.

EBMUD employees and retirees, concession employees and Tri-County (Amador, Calaveras and San Joaquin) Public Safety Personnel receive a 20% discount on food purchases and a 10% discount on sporting clays.

Discounts and incentives are separate and cannot be combined for a larger discount or incentive.



RECREATION USE FEES FOR 202~~6~~<sup>5</sup>  
January – December 202~~6~~<sup>5</sup>  
EFFECTIVE 01/01/202~~6~~<sup>5</sup>

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**CAMANCHE RESERVOIR – NORTH SHORE  
AND SOUTH SHORE RECREATION AREAS**

**VEHICLE ENTRY/PARKING**

**CAR/MOTORCYCLE/SMALL VAN**

|  |                                  |
|--|----------------------------------|
| Daily (Peak Season: May 1-September 30, weekends and holidays)                   | \$ <u>21.50</u> <del>20.50</del> |
| Daily (Off-season, Peak Season weekdays)   | <u>13.00</u> <del>12.50</del>    |
| Nightly (non-camping)  | <u>13.00</u> <del>12.50</del>    |
| Annual (12 consecutive months)   | <u>245.00</u> <del>235.00</del>  |
| Annual Senior/Disabled/Former POW/Disabled Veteran (12 Consecutive Months)       | <u>122.50</u> <del>117.50</del>  |
| Combined Car/Boat Daily (Peak Season: May 1-September 30, weekends and holidays) | <u>25.00</u> <del>24.00</del>    |
| Combined Car/Boat Daily (Off-season, weekdays)                                   | <u>18.75</u> <del>18.00</del>    |
| Annual Marina Overnight/Day Use (12 consecutive months)                          | <u>265.00</u> <del>255.00</del>  |

**VEHICLE ENTRY/PARKING LARGE VANS  
AND BUSES**

|                               |                               |
|-------------------------------|-------------------------------|
| Large Vans – 10-20 Passengers | <u>24.00</u> <del>23.00</del> |
| Buses – 21+ Passengers        | <u>46.00</u> <del>44.00</del> |

**DOG**

|  |                               |
|--|-------------------------------|
| Daily (Fee charged each day in park)                               | <u>7.00</u> <del>6.75</del>   |
| Annual (12 consecutive months concurrent with Annual Parking Pass) | <u>63.00</u> <del>60.00</del> |

**BOAT LAUNCH**

|  |                                 |
|--|---------------------------------|
| Daily Peak Season (May 1- Sept 30), weekends and holidays. (Fee charged each day in park.) | <u>18.50</u> <del>17.75</del>   |
| Daily Off-season; Peak Season weekdays. (Fee charged each day in park.)                    | <u>13.00</u> <del>12.50</del>   |
| Night (Fee charged each day in park)   | <u>15.00</u> <del>14.50</del>   |
| Annual (12 consecutive months)   | <u>210.00</u> <del>200.00</del> |
| Senior/Disabled/Former POW/Disabled Veteran Annual (12 consecutive months)                 | <u>105.00</u> <del>100.00</del> |

**BOAT MOORING (Buoy)**

|   |                                     |
|---|-------------------------------------|
| Monthly: under 30 feet  | <u>340.00</u> <del>330.00</del>     |
| 30 feet & larger  | <u>415.00</u> <del>400.00</del>     |
| Annual (12 consecutive months, any length)                                    | <u>3,100.00</u> <del>3,000.00</del> |
| <u>Annual – concurrent with Mobilehome Space rent (12 consecutive months)</u> | <u>1,550.00</u>                     |



RECREATION USE FEES FOR 202~~6~~<sup>5</sup>  
January – December 202~~6~~<sup>5</sup>  
EFFECTIVE 01/01/202~~6~~<sup>5</sup>

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**CAMANCHE RESERVOIR – NORTH SHORE  
AND SOUTH SHORE RECREATION AREAS  
(continued)**

**BOAT SLIP OPEN (Excluding park entry)**

|                      |   |
|----------------------|---|
| Daily                | <del>\$44.00</del> <sup>\$42.00</sup>   |
| Weekly               | <del>205.00</del> <sup>195.00</sup>     |
| Monthly              | <del>460.00</del> <sup>440.00</sup>     |
| 8 Months             | <del>1,700.00</del> <sup>1,625.00</sup> |
| Key Security Deposit | 15.00                                   |

**BOAT SLIP COVERED – 24' Length Maximum  
(Excluding park entry)**

|                                |   |
|--------------------------------|---|
| Daily                          | <del>60.00</del> <sup>57.00</sup>       |
| Weekly                         | <del>240.00</del> <sup>235.00</sup>     |
| Monthly                        | <del>640.00</del> <sup>625.00</sup>     |
| Annual (12 consecutive months) | <del>2,700.00</del> <sup>2,600.00</sup> |
| Key Security Deposit           | 55.00                                   |

**BOAT SLIP COVERED – Over 24' Length  
(Excluding park entry)**

|                                |   |
|--------------------------------|---|
| Daily                          | <del>65.00</del> <sup>62.00</sup>       |
| Weekly                         | <del>325.00</del> <sup>310.00</sup>     |
| Monthly                        | <del>775.00</del> <sup>750.00</sup>     |
| Annual (12 consecutive months) | <del>3,350.00</del> <sup>3,250.00</sup> |
| Key Security Deposit           | 55.00                                   |

**RV/TRAILER/BOAT STORAGE (Excluding  
park entry)**

|  |                                     |
|--|-------------------------------------|
| Monthly  | <del>180.00</del> <sup>175.00</sup> |
| 12 Months, consecutive   | <del>950.00</del> <sup>925.00</sup> |
| Monthly – 30' Length Maximum (Concurrent<br>with Mooring/Slip Rental)                                    | <del>85.00</del> <sup>80.00</sup>   |
| Monthly – Over 30' (Concurrent with<br>Mooring/Slip Rental)  | <del>120.00</del> <sup>115.00</sup> |
| Annual – 30' Length Maximum (Concurrent<br>with Mooring/Slip Rental) (12 consecutive<br>months)          | <del>415.00</del> <sup>400.00</sup> |
| Annual – Over 30' (Concurrent with<br>Mooring/Slip Rental) (12 consecutive months)                       | <del>550.00</del> <sup>535.00</sup> |
| Annual – concurrent with Mobilehome Space<br>rent (12 consecutive months)                                | <del>490.00</del> <sup>462.00</sup> |
| Annual – concurrent with Mobilehome Space<br>rent (<28', 1 boat only, dry #3) (12 consecutive<br>months) | <del>205.00</del> <sup>200.00</sup> |



RECREATION USE FEES FOR 202~~6~~<sup>5</sup>  
January – December 202~~6~~<sup>5</sup>  
EFFECTIVE 01/01/202~~6~~<sup>5</sup>

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**CAMANCHE RESERVOIR – NORTH SHORE  
AND SOUTH SHORE RECREATION AREAS  
(continued)**

**FISHING ACCESS PERMIT**

|        |                   |
|--------|-------------------|
| Daily  | <del>\$8.00</del> |
| Annual | <del>165.00</del> |

**CAMPSITE (w/vehicle parking)**

|   |                   |
|---|-------------------|
| Nightly (Peak Season: May 1 – September 30)   | <del>43.00</del>  |
| Nightly (Off-season)                          | <del>26.00</del>  |
| Second Car Parking                            | 18.00             |
| Weekly (Peak Season: May 1 – September 30)    | <del>190.00</del> |
| Weekly (Off-season)                           | 125.00            |
| Second Car Weekly                             | 85.00             |
| 14 nights (Peak Season: May 1 – September 30) | <del>380.00</del> |
| 14 nights (Off-season)                        | <del>255.00</del> |
| Camping Reservation Fee                       | <del>13.00</del>  |

**PREMIUM CAMPSITES**

|   |                   |
|---|-------------------|
| Nightly (Peak Season: May 1 – September 30)   | <del>52.00</del>  |
| Nightly (Off-season)                          | <del>28.00</del>  |
| Second Car Parking                            | 18.00             |
| Weekly (Peak Season: May 1 – September 30)    | <del>235.00</del> |
| Second Car Weekly                             | 85.00             |
| 14 nights (Peak Season: May 1 – September 30) | <del>470.00</del> |
| 14 nights (Off-season)                        | <del>275.00</del> |

**CAMPSITES WITH TENT STRUCTURES**

|                   |        |
|-------------------|--------|
| 8 person nightly  | 90.00  |
| 8 person weekly   | 450.00 |
| 16 person nightly | 151.00 |
| 16 person weekly  | 662.00 |

**CAMPSITE (WALK-IN/BICYCLE PARKING – 8  
PERSON/BIKE MAX)**

|           |        |
|-----------|--------|
| Nightly   | 25.50  |
| Weekly    | 138.50 |
| 14 nights | 262.00 |



RECREATION USE FEES FOR 202~~6~~<sup>5</sup>  
January – December 202~~6~~<sup>5</sup>  
EFFECTIVE 01/01/202~~6~~<sup>5</sup>

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**CAMANCHE RESERVOIR – NORTH SHORE  
AND SOUTH SHORE RECREATION AREAS  
(continued)**

**GROUP CAMP (Nightly)**

|                 |   |
|-----------------|---|
| 12-Person Limit | <del>\$145.00</del> <sup>\$140.00</sup> |
| 16-Person Limit | <del>175.00</del> <sup>169.00</sup>     |
| 24-Person Limit | <del>205.50</del> <sup>198.00</sup>     |
| 32-Person Limit | <del>273.00</del> <sup>263.00</sup>     |
| 64-Person Limit | <del>515.00</del> <sup>498.00</sup>     |
| 72-Person Limit | <del>570.00</del> <sup>551.00</sup>     |

**GROUP CAMP (Nightly, off-season)**

|                 |                                     |
|-----------------|-------------------------------------|
| 12-Person Limit | <del>72.00</del> <sup>69.00</sup>   |
| 16-Person Limit | <del>78.00</del> <sup>75.00</sup>   |
| 24-Person Limit | <del>82.50</del> <sup>80.00</sup>   |
| 32-Person Limit | <del>90.00</del> <sup>86.00</sup>   |
| 64-Person Limit | <del>174.00</del> <sup>167.00</sup> |
| 72-Person Limit | <del>225.00</del> <sup>215.00</sup> |

**EQUESTRIAN – TURKEY HILL – 2 HORSES  
PER SINGLE SITE – “NO OFF-SEASON  
DISCOUNTS”**

|   |                                     |
|---|-------------------------------------|
| General Assembly Area                       | <del>110.00</del> <sup>105.00</sup> |
| Turkey Hill Single                          | <del>72.00</del> <sup>69.00</sup>   |
| Turkey Hill Double                          | <del>138.00</del> <sup>132.00</sup> |
| Turkey Hill Triple                          | <del>165.00</del> <sup>160.00</sup> |
| Turkey Hill Quad                            | <del>220.00</del> <sup>212.00</sup> |
| Entire Turkey Hill (includes assembly area) | <del>800.00</del> <sup>766.00</sup> |

**RV SITE**

|                                     |   |
|-------------------------------------|---|
| Nightly                             | <del>68.00</del> <sup>65.00</sup>       |
| Weekly                              | <del>365.00</del> <sup>350.00</sup>     |
| Monthly                             | <del>750.00</del> <sup>725.00</sup>     |
| Season (6-Month Max)                | <del>2,250.00</del> <sup>2,175.00</sup> |
| Premium Sites Nightly (Peak Season) | <del>76.00</del> <sup>73.00</sup>       |
| Premium Sites Weekly (Peak Season)  | <del>390.00</del> <sup>375.00</sup>     |

**TOWING**

|                                   |                                     |
|-----------------------------------|-------------------------------------|
| Camanche Recreation Area per hour | <del>175.00</del> <sup>170.00</sup> |
|-----------------------------------|-------------------------------------|

**MISCELLANEOUS**

|                                     |       |
|-------------------------------------|-------|
| Camanche Recreation Area Lake Tours | 15.00 |
|-------------------------------------|-------|





RECREATION USE FEES FOR 202~~6~~<sup>5</sup>  
January – December 202~~6~~<sup>5</sup>  
EFFECTIVE 01/01/202~~6~~<sup>5</sup>

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**CAMANCHE RESERVOIR – NORTH SHORE  
AND SOUTH SHORE RECREATION AREAS  
(continued)**

**BOAT/VESSEL DECONTAMINATION**

|   |   |
|---|---|
| Vessel decontamination (up to 30')          | <del>\$42.00</del> 40.00                              |
| Vessels over 30' in length                  | <del>42.00</del> 40.00 + 5.00<br>for each 5' over 30' |
| Ballast tanks decontamination               | 10.00   |
| Tank, bilge, live well decontamination only | 30.00   |
| PWC storage area decontamination only       | 30.00   |
| Kayaks and Canoes decontamination           | 30.00   |

**COTTAGE/MOTEL GENERAL**

|   |        |
|---|--------|
| Camanche Recreation Area – Security Deposit       | 200.00 |
| Additional Guest Charge (to maximum<br>occupancy) | 20.00  |

**COTTAGE (4-Person Base)**

|                    |                              |
|--------------------|------------------------------|
| May – Sept: Night  | <del>220.00</del> 240.00     |
| Week               | <del>1,125.00</del> 1,075.00 |
| Oct – April: Night | <del>146.00</del> 140.00     |
| Week               | <del>750.00</del> 725.00     |
| Month              | <del>2,050.00</del> 1,975.00 |

**COTTAGE (6-Person Base)**

|                    |                              |
|--------------------|------------------------------|
| May – Sept: Night  | <del>280.00</del> 270.00     |
| Week               | <del>1,450.00</del> 1,400.00 |
| Oct – April: Night | <del>180.00</del> 175.00     |
| Week               | <del>945.00</del> 910.00     |
| Month              | <del>2,250.00</del> 2,150.00 |

**PARK MODEL (4-Person)**

|                    |                              |
|--------------------|------------------------------|
| May – Sept: Night  | <del>220.00</del> 300.00     |
| Week               | <del>1,125.00</del> 1,575.00 |
| Oct – April: Night | <del>146.00</del> 225.00     |
| Week               | <del>750.00</del> 1,181.00   |
| Month              | <del>2,050.00</del> 3,000.00 |

**RESORT RENTAL (4 BEDROOM, 14 PERSON  
MAX)**

|                    |                              |
|--------------------|------------------------------|
| May – Sept: Night  | <del>480.00</del> 460.00     |
| Week               | <del>2,475.00</del> 2,400.00 |
| Oct – April: Night | <del>255.00</del> 245.00     |
| Week               | <del>1,325.00</del> 1,275.00 |



# RECREATION USE FEES FOR 2026<sup>5</sup>

January – December 2026<sup>5</sup>

EFFECTIVE 01/01/2026<sup>5</sup>

## CAMANCHE RESERVOIR – NORTH SHORE AND SOUTH SHORE RECREATION AREAS (continued)

### MOBILEHOME (MONTHLY)

3 bedroom

~~CY24~~CY25 Rate +  
HUD FMR<sup>2</sup>

### MOBILEHOME SPACES (MONTHLY)

North Shore 1A

~~CY24~~CY25 Rate +  
HUD FMR<sup>2</sup>

North Shore 1B

~~CY24~~CY25 Rate +  
HUD FMR<sup>2</sup>

North Shore 2

~~CY24~~CY25 Rate +  
HUD FMR<sup>2</sup>

South Shore

~~CY24~~CY25 Rate +  
HUD FMR<sup>2</sup>

\*Mobilehomes registered through Amador County receive a \$2.50 credit on their monthly rent to reflect their payment of fire-related fees.

### OTHER MOBILEHOME FEES (PER SPACE – MONTHLY)

Guest Fee

\$75.00

Late Rent/Returned Check Fee

50.00

### FACILITY RENTAL

Lakeside Hall Daily (hall only)

~~875.00~~850.00

Lakeside Hall Daily (kitchen & serviceware included)

~~1,300.00~~1,250.00

Lakeside Hall Cleaning and Equipment Deposit

1,000.00

Camanche Clubhouse Rental (North Shore)

~~215.00~~205.00

Camanche Clubhouse Rental (South Shore)

~~150.00~~145.00

Camanche Amphitheatre (South Shore)

500.00

<sup>2</sup> HUD FMR is the Housing and Urban Development Fair Market Rents Index, which is published by HUD before the start of each ~~October~~ federal fiscal year. The mobilehome rental space ~~rate will~~ fee shall be adjusted annually (fee adjustment) based on the following process. Starting with the 2025 Recreation Use Fee schedule, any percent increase shall be capped at 5 percent, provided however, that the cap may increase up to a maximum 10 percent in future years. The percent change in the HUD FMR index for 2-bedroom homes shall be averaged for Amador and Calaveras Counties. Any percent increase shall initially be capped at 5 percent with the ability to increase the cap up to 10 percent. The balance of a fee increase more than 5 percent shall be placed into a fee carryforward balance and applied to shall serve as the next year's fee adjustment, up to the fee applicable cap for that year. Any balance remaining that was not applied due to the cap shall carry forward to the following year. If the HUD FMR increases more than 5 percent in a way that results in a carryforward balance in excess of 8 percent, the fee be carried and applied to the following year's fee adjustment, up to the applicable cap would increase to 8 percent. If for that year. The applicable cap for a year shall be calculated based on the carryforward balance exceeds 12 percent table below. As with all rates, fees, and charges, the fee cap would increase to 10 percent. District's Board of Directors may revise this process by Board action.

| <u>Carryforward Balance<br/>from Previous Year</u> | <u>Annual Fee Cap</u> |
|--|-----------------------|
| <u>0-8%</u>  | <u>5%</u>             |
| <u>8-12%</u>                                       | <u>8%</u>             |
| <u>Over 12%</u>                                    | <u>10%</u>            |



**RECREATION USE FEES FOR 2026<sup>5</sup>**  
**January – December 2026<sup>5</sup>**  
**EFFECTIVE 01/01/2026<sup>5</sup>**

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**Camanche Reservoir – North and South Shore Recreation Area Discounts, Special Programs, Limitations**

Concessionaire Employees receive free entrance to and use of rental boats during off-hours, a 20% discount on food and merchandise, and a camping discount equal to the car entrance fee. Limited to one free vehicle entry and one free boat rental per employee per day.

Concessionaire and/or District may provide free entry and use of rental boats for disadvantaged groups (e.g., disabled, senior, youth, veteran), and for media to promote the recreation area.

Current Camanche Regional Park Advisory Board members and active field public safety personnel in Amador, Calaveras and San Joaquin County receive free day use entry.

Senior/Disabled receive 50% discount on annual entry and boat launch fees, and on non-holiday weekday boat rentals. Senior rates are for individuals with a driver's license or ID showing age 62 or older.

Active, reserve, retired, and veteran military personnel receive 20% discount on day use entry, boat rentals, (excluding rental of the party barge), camping and short-term (14-day) RV sites and lodging. Military identification required. Discount may not be combined with other offers.

Distinguished Veteran Pass holders receive free day use and boat launch and 50% discount on non-holiday weekday boat rentals.

~~Mobilehome Park Tenants receive 50% off non-holiday weekday boat rentals and additional 25% off for qualifying Senior/Disabled/Former POW/Disabled Veteran tenants; special additional incentives for non-holiday Tuesday boat rentals; a 40% discount on covered slip and mooring buoy fees (when available); and a 10% discount on regularly priced marina/store items not including fishing access permits, fishing license, prepared food/beverage, gasoline and propane.~~

Groups of four or less individuals meeting the criteria for disabled discounts shall be eligible to rent the 6-person ADA cottages at Camanche for the 4-person cottage rate.

Turkey Hill Equestrian Campground single site customers renting larger spaces due to single sites being occupied shall be charged the lesser prorated rate.

Concessionaire or District can issue return coupons for free entry or camping for dissatisfied customers.

Groups participating in volunteer District facility improvement programs receive 50% discount on entry and camping fees.

Short-term visitor passes may be issued for periods up to one-hour.



**RECREATION USE FEES FOR 2026<sup>5</sup>**  
**January – December 2026<sup>5</sup>**  
**EFFECTIVE 01/01/2026<sup>5</sup>**

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**Camanche Reservoir – North and South Shore Recreation Area Discounts, Special Programs, Limitations (continued)**

Campsite charges include one vehicle entry, and RV site charges include a second/tow vehicle. Monthly and Seasonal RV Park fees include one vehicle entry, but do not include electricity charge. Electricity is metered and charged separately. Each of the daily charges, except the fishing access permit, shall be valid and effective for the calendar day upon which the charge was made, from one hour before sunrise until one hour after sunset.

Fishing access permits are valid until midnight of said day.

Each of the weekly charges shall be valid and effective for the calendar week in which the charge is made, terminating at 1:00 p.m. on the seventh consecutive day of said period. The seasonal charges noted for each recreation area shall be valid and effective for a period not exceeding 24 consecutive hours and terminating at 1:00 p.m. during said period.

Check out time for all RV sites is 1:00 p.m.

Peak Season is May 1 – September 30. Off-season is October 1 – April 30.

Premium Campsite or Premium RV site is a site that due to enhanced amenities, waterfront access or other special features is rented at a higher rate than a standard site.

Standard campsites may have a maximum of 8 people and 2 vehicles.

Short-term visitor passes may be issued for periods of up to one-hour.



**RECREATION USE FEES FOR 2026<sup>5</sup>**  
**January – December 2026<sup>5</sup>**  
**EFFECTIVE 01/01/2026<sup>5</sup>**

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**LAFAYETTE RECREATION AREA**

**ENTRY AND PARKING –  
CAR/MOTORCYCLE/SMALL VAN**

|   |                   |
|---|-------------------|
| Daily   | \$7.00            |
| Annual (new or renewal)   | 140.00            |
| <del>Annual (new or renewal) 2 years</del>                        | <del>280.00</del> |
| Replacement hang-tag (Replacement limited to 1 hang-tag per year) | 25.00             |
| Parking Meters 1/2 hour   | 1.00              |
| Senior/Disabled   |                   |
| Season (new or renewal)   | 90.00             |
| <del>Season (new or renewal) 2 years</del>                        | <del>180.00</del> |

**ENTRY AND PARKING –  
LARGE VANS AND BUSES**

|                               |       |
|-------------------------------|-------|
| Large Vans – 10-20 Passengers | 22.00 |
| Buses – 21+ Passengers        | 40.00 |

**COMMERCIAL USES (in addition to the base fee noted below, the Director of Water and Natural Resources may set an additional fee to recover the District's direct costs plus overhead)**

|                               |          |
|-------------------------------|----------|
| Commercial Use                |          |
| Small (up to 10 people)       | 120.00   |
| Medium (from 11 to 50 people) | 600.00   |
| Large (from 51 to 150 people) | 1,200.00 |

**BOAT LAUNCH**

|                     |        |
|---------------------|--------|
| Daily               | 4.00   |
| Annual              | 100.00 |
| Boat Inspection Fee | 6.00   |

**FISHING ACCESS**

|       |      |
|-------|------|
| Daily | 6.00 |
|-------|------|

**GROUP PICNIC**

|                                  |                          |
|----------------------------------|--------------------------|
| Small Site (Weekend/Holiday)     | 200.00                   |
| Small Site (Weekday/Non-Holiday) | 100.00                   |
| Large Site (Weekend/Holiday)     | 350.00                   |
| Large Site (Weekday/Non-Holiday) | 175.00                   |
| Special Events Fee               | 500.00 + \$1/participant |
| Security Deposit                 | 100.00                   |



**RECREATION USE FEES FOR 2026<sup>5</sup>**  
**January – December 2026<sup>5</sup>**  
**EFFECTIVE 01/01/2026<sup>5</sup>**

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**Lafayette Reservoir – Discounts, Special Programs, Limitations**

District may provide free entry and use of rental boats for disadvantaged groups (e.g., disabled, senior, youth, veteran), and for media to promote the recreation area.

Senior/Disabled receive 50% discount on boat launch fees and on non-holiday weekday boat rentals. Senior rates are for individuals with a drivers' license showing age 62 or older.

Distinguished Veteran Pass holders receive free day use and boat launch and 50% discount on non-holiday weekday boat rentals.



RECREATION USE FEES FOR 202~~6~~<sup>5</sup>  
January – December 202~~6~~<sup>5</sup>  
EFFECTIVE 01/01/202~~6~~<sup>5</sup>

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**PARDEE RECREATION AREA**

**VEHICLE ENTRY AND PARKING –  
CAR/MOTORCYCLE/SMALL VAN**

|                             |                                       |
|-----------------------------|---------------------------------------|
| Daily/Nightly (Non-Camping) | <del>\$13.00</del> <sup>\$12.00</sup> |
| Season                      | <del>145.00</del> <sup>136.00</sup>   |
| Combined Car/Boat Daily     | <del>20.00</del> <sup>18.00</sup>     |

**VEHICLE ENTRY AND PARKING –  
LARGE VANS AND BUSES**

|                               |                                   |
|-------------------------------|-----------------------------------|
| Large Vans – 10-20 Passengers | <del>24.00</del> <sup>22.00</sup> |
| Buses – 21+ Passengers        | <del>46.00</del> <sup>38.00</sup> |

**DOG**

|  |                                   |
|--|-----------------------------------|
| Daily (Fee charged each day in park)         | <del>6.50</del> <sup>6.00</sup>   |
| Season (Concurrent with Season Parking Pass) | <del>60.00</del> <sup>55.00</sup> |

**STANDARD BOAT LAUNCH**

|                                      |                                     |
|--------------------------------------|-------------------------------------|
| Daily (Fee charged each day in park) | <del>13.00</del> <sup>12.00</sup>   |
| Season                               | <del>135.00</del> <sup>127.00</sup> |

**CARTOP BOAT LAUNCH (Float Tube, Kayak,  
Canoe, Scull)**

|        |                                   |
|--------|-----------------------------------|
| Daily  | <del>6.00</del> <sup>5.00</sup>   |
| Season | <del>60.00</del> <sup>50.00</sup> |

**BOAT SLIP (excluding park entry)**

|                                    |                                     |
|------------------------------------|-------------------------------------|
| Daily                              | <del>13.00</del> <sup>12.00</sup>   |
| Weekly                             | <del>65.00</del> <sup>58.00</sup>   |
| Monthly                            | <del>140.00</del> <sup>132.00</sup> |
| Season                             | <del>800.00</del> <sup>759.00</sup> |
| Season (concurrent with season RV) | <del>750.00</del> <sup>704.00</sup> |

**FISHING ACCESS**

|        |                                 |
|--------|---------------------------------|
| Daily  | <del>8.25</del> <sup>7.25</sup> |
| Annual | 200.00                          |

**POOL USE**

|                                |                                 |
|--------------------------------|---------------------------------|
| Pool Access Wristband          | <del>3.50</del> <sup>3.00</sup> |
| Pool Access Wristband - Senior | <del>2.50</del> <sup>2.00</sup> |

**MISCELLANEOUS**

|                             |                                   |
|-----------------------------|-----------------------------------|
| RV/Campsite Reservation Fee | <del>11.00</del> <sup>10.00</sup> |
|-----------------------------|-----------------------------------|



RECREATION USE FEES FOR 202~~6~~<sup>5</sup>  
January – December 202~~6~~<sup>5</sup>  
EFFECTIVE 01/01/202~~6~~<sup>5</sup>

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**PARDEE RECREATION AREA (continued)**

**STANDARD CAMPSITE (w/vehicle parking)**

|                    |                                       |
|--------------------|---------------------------------------|
| Nightly            | <del>\$35.00</del> <sup>\$30.00</sup> |
| Second Car Parking | <del>13.00</del> <sup>12.00</sup>     |
| Weekly             | <del>160.00</del> <sup>150.00</sup>   |
| Second Car Parking | <del>65.00</del> <sup>60.00</sup>     |

**PREMIUM CAMPSITE (w/vehicle parking)**

|         |                                     |
|---------|-------------------------------------|
| Nightly | <del>40.00</del> <sup>35.00</sup>   |
| Weekly  | <del>200.00</del> <sup>180.00</sup> |

**CAMPSITE (walk-in/bicycle parking)**

|                           |                                     |
|---------------------------|-------------------------------------|
| (8 person/8 bike maximum) |                                     |
| Nightly                   | <del>25.00</del> <sup>23.00</sup>   |
| Weekly                    | <del>138.50</del> <sup>138.00</sup> |

**DOUBLE CAMPSITE (16 people/2 vehicles)**

|                         |                                   |
|-------------------------|-----------------------------------|
| Nightly                 | <del>60.00</del> <sup>56.00</sup> |
| Third or Fourth Vehicle | <del>13.00</del> <sup>10.00</sup> |

**RV SITE**

|                       |                                     |
|-----------------------|-------------------------------------|
| Nightly               | <del>50.00</del> <sup>46.00</sup>   |
| Weekly                | <del>300.00</del> <sup>264.00</sup> |
| Monthly               | <del>600.00</del> <sup>572.00</sup> |
| Season                | 4,505.00                            |
| Season – Premium Site | 4,648.00                            |

**RV/TRAILER/BOAT STORAGE (excluding  
park entry)**

|   |                                     |
|---|-------------------------------------|
| Weekly                                  | <del>40.00</del> <sup>35.00</sup>   |
| Monthly                                 | <del>90.00</del> <sup>84.00</sup>   |
| Season                                  | <del>600.00</del> <sup>561.00</sup> |
| Season – concurrent with season RV site | <del>475.00</del> <sup>445.00</sup> |
| 12-Month Consecutive                    | <del>800.00</del> <sup>737.00</sup> |

**TOWING**

|                                    |
|------------------------------------|
| <del>100.00</del> <sup>92.00</sup> |
|------------------------------------|

**RESERVABLE SITE/FACILITY (charges in  
addition to above fees)**

|   |                                     |
|---|-------------------------------------|
| Small (25 or less people)                   | <del>75.00</del> <sup>70.00</sup>   |
| Medium (26-100 people)                      | <del>125.00</del> <sup>100.00</sup> |
| Large (101-150 people)                      | <del>175.00</del> <sup>150.00</sup> |
| Over 150 people                             | <del>300.00</del> <sup>265.00</sup> |
| Café/Pool Day Use Area (refundable deposit) | 60.00                               |





**RECREATION USE FEES FOR 2026<sup>5</sup>**  
**January – December 2026<sup>5</sup>**  
**EFFECTIVE 01/01/2026<sup>5</sup>**

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**PARDEE RESERVOIR – DISCOUNTS, SPECIAL PROGRAMS, LIMITATIONS**

Concessionaire Employees receive free entrance to and use of rental boats during off-season hours, a 20% discount on food and merchandise, and a camping discount equal to the car entrance fee. Limited to one free vehicle entry and one free boat rental per employee per day.

Concessionaire and/or District may provide free entry and use of rental boats for disadvantaged groups (e.g., disabled, senior, youth, veteran), and for media to promote the recreation area.

Current Camanche Regional Park Advisory Board members and active field public safety personnel in Amador, Calaveras and San Joaquin County receive free day use entry.

Senior/Disabled receive 50% discount on annual entry and boat launch fees, and on non-holiday weekday boat rentals. Senior rates are for individuals with a driver's license or ID showing age 62 or older.

Active, reserve, retired, and veteran military personnel receive 20% discount on day use entry, boat rentals, (excluding Deluxe Pontoon), and dry camping (excluding RV hook-up sites). Military identification required. Discount may not be combined with other offers.

Distinguished Veteran Pass holders receive free day use and boat launch and 50% discount on non-holiday weekday boat rentals.

Concessionaire or District can issue return coupons for free entry or camping for dissatisfied customers.

Groups participating in volunteer District facility improvement programs receive 50% discount on entry and camping fees.

Campsite charges include one vehicle entry, and RV site charges include a second/tow vehicle.

Monthly and Seasonal RV Park fees include one vehicle entry, but do not include electricity charge. Electricity is metered and charged separately.

Each of the daily charges, except the fishing access permit, shall be valid and effective for the calendar day upon which the charge was made, from one hour before sunrise until one hour after sunset. Fishing access permits are valid until midnight of said day.

Each of the weekly charges shall be valid and effective for the calendar week in which the charge is made, terminating at 1:00 p.m. on the seventh consecutive day of said period.

Each of the nightly charges shall be valid and effective for a period not exceeding 24 consecutive hours and terminating at 1:00 p.m. during said period.

Premium Campsite or Premium RV site is a site that due to enhanced amenities, waterfront access or other special features is rented at a higher rate than a standard site.



**RECREATION USE FEES FOR 202~~6~~<sup>5</sup>**  
**January – December 202~~6~~<sup>5</sup>**  
**EFFECTIVE 01/01/202~~6~~<sup>5</sup>**

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**PARDEE RESERVOIR – DISCOUNTS, SPECIAL PROGRAMS, LIMITATIONS (continued)**

Standard campsites may have a maximum of 8 people and 2 vehicles.

Short-term visitor passes may be issued for periods up to one hour.



RECREATION USE FEES FOR 20265  
January – December 20265  
EFFECTIVE 01/01/20265

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**SAN PABLO RECREATION AREA**

**ENTRY AND PARKING –  
CAR/MOTORCYCLE/SMALL VAN**

|   |        |
|---|--------|
| Daily   | \$7.00 |
| Daily (Special Events)                        | 5.00   |
| Season  | 120.00 |
| Replacement Pass (limited to 1 pass per year) | 25.00  |

**ENTRY AND PARKING –  
LARGE VANS AND BUSES**

|                               |       |
|-------------------------------|-------|
| Large Vans – 10-20 Passengers | 22.00 |
| Buses – 21+ Passengers        | 40.00 |

**COMMERCIAL USES (in addition to the base fee noted below, the Director of Water and Natural Resources may set an additional fee to recover the District's direct costs plus overhead)**

|                               |          |
|-------------------------------|----------|
| Small (up to 10 people)       | 120.00   |
| Medium (from 11 to 50 people) | 600.00   |
| Large (from 51 to 150 people) | 1,200.00 |

**STANDARD BOAT LAUNCH**

|                              |        |
|------------------------------|--------|
| Daily                        | 8.00   |
| Season (Entry & Boat Launch) | 170.00 |
| Boat Inspection Fee          | 10.00  |

**CARTOP BOAT LAUNCH (Float Tube, Kayak, Canoe, Scull)**

|                                  |        |
|----------------------------------|--------|
| Daily                            | 4.00   |
| Season (Entry and Cartop Launch) | 124.00 |

**FISHING ACCESS**

|       |      |
|-------|------|
| Daily | 7.00 |
|-------|------|

**GROUP PICNIC**

|                           |        |
|---------------------------|--------|
| Large Sites (Oaks) daily  | 300.00 |
| Large Sites (Pines) daily | 200.00 |
| Security Deposit          | 100.00 |

**GAZEBO, Daily Rental**

|                  |        |
|------------------|--------|
| Security Deposit | 100.00 |
|------------------|--------|

**TOWING**

40.00



**RECREATION USE FEES FOR 2026<sup>5</sup>**  
**January – December 2026<sup>5</sup>**  
**EFFECTIVE 01/01/2026<sup>5</sup>**

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**SAN PABLO RESERVOIR – Discounts, Special Programs, Limitations**

Concessionaire Employees receive free entrance to and use of rental boats during off-season hours, a 20% discount on food and merchandise. The discount is limited to one free vehicle entry and one free boat rental per employee per day. To qualify, a concession employee must work a minimum of 20 hours per week, Sunday through Saturday.

Concessionaire and/or District may provide free entry and use of rental boats for disadvantaged groups (e.g., disabled, senior, youth, veteran), and for media to promote the recreation area.

Concessionaire or District can issue return coupons for free entry or camping for dissatisfied customers.

Each of the daily charges, including the fishing access permit, shall be valid and effective for the calendar day upon which the charge was made, from the time the park opens until it closes each day.

Groups participating in volunteer District facility improvement programs receive 50% discount on entry fees.

Senior/Disabled receive 50% discount on season passes and on non-holiday weekday boat rentals. Senior rates are for individuals with a driver's license or ID showing age 62 or older.

Distinguished Veteran Pass holders receive free day use and boat launch and 50% discount on non-holiday weekday boat rentals.

Unless determined otherwise, the recreation season is mid-February through November (dates selected by concessionaire with District approval).



RECREATION USE FEES FOR 202~~6~~<sup>5</sup>  
January – December 202~~6~~<sup>5</sup>  
EFFECTIVE 01/01/202~~6~~<sup>5</sup>

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**WATERSHED TRAIL SYSTEM**

**WATERSHED TRAILS**

|                          |        |
|--------------------------|--------|
| Daily Permit             | \$3.00 |
| Annual Permit            | 10.00  |
| Three-Year Permit        | 20.00  |
| Five-Year Permit         | 30.00  |
| Low-income Annual Permit | 0.00   |



## RECREATION USE FEES FOR 2026

### January – December 2026<sup>1</sup>

EFFECTIVE 01/01/2026

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The following fees apply to use of the District's recreation facilities at Camanche Hills Hunting Preserve, Camanche Reservoir, Lafayette Reservoir, Pardee Reservoir, San Pablo Reservoir and on the District's Watershed Trail System.

All other (not included in this schedule) charges and fees for merchandise and services provided to the public in connection with the public uses of the recreation areas and facilities thereat shall be determined by the concessionaire or by the District and shall be reasonable and consistent with charges for similar merchandise and services at similar locations.

General Discount Program – Discounts from fees listed may be offered to attract new customers and/or to improve revenues. General discounts will be applied for specified time frames and apply fairly and uniformly. General discounts must be approved by the Director of Water and Natural Resources Department in advance.

District employees, retirees and immediate family receive free vehicle entry and boat launch, and a camping discount equal to the car entry fee (limit one per day).

Volunteer Discount Program – Free one-year Trail Use Permit and 50% discount on vehicle entry/parking and boat launch for those who contribute an annual minimum of 20 hours of volunteer work while participating in a District Volunteer Program.

Distinguished Veteran Discount Program – Holders of the California State Parks Distinguished Veteran Pass receive free day use and boat launch at all District recreation areas.

Fishing Access Permits are required for persons 16 years of age or older. Up to four children 15 years and under and accompanied by a person who possesses a valid CA fishing license and daily fishing access permit, may fish under that fishing access permit subject to the daily possession limit of the permit holder. Every accompanied child, over the allowed number of four, must have individual fishing access permits. Each child not accompanied by a fishing access permit holding adult must obtain his/her own fishing access permit.

No Fishing Access Permit is required on the two annual California Department of Fish and Wildlife Free Fishing Days.

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<sup>1</sup>Fee years are by calendar year for all locations except the Camanche Hills Hunting Preserve where fees are implemented earlier for the hunting year October 1 - September 30.



**RECREATION USE FEES FOR 2026**  
**January – December 2026**  
EFFECTIVE 01/01/2026

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**CAMANCHE HILLS HUNTING PRESERVE<sup>1</sup>**

**PRESERVE LICENSE:**

|                                |            |
|--------------------------------|------------|
| Initiation Fee (Family)        | \$3,495.00 |
| Initiation Fee (Corporate)     | 3,495.00   |
| Annual Maintenance (Family)    | 300.00     |
| Annual Maintenance (Corporate) | 600.00     |

|  |        |
|--|--------|
| <b>LICENSED GUIDE GOOSE HUNT (PER PERSON/HUNT)</b> | 200.00 |
|--|--------|

**ARCHERY RANGE AND COURSE**

|                             |       |
|-----------------------------|-------|
| 7 Station 3-D Target Course |       |
| Per person                  | 12.00 |

**FISHING ACCESS TO RABBIT CREEK  
ARM OF CAMANCHE LAKE AND FARM  
PONDS LOCATED ON CHHP  
RECREATIONAL AREA**

|                       |       |
|-----------------------|-------|
| Public Fishing Access | 10.00 |
| CHHP Members Access   | 5.00  |

**FISHING ACCESS TO RABBIT CREEK  
ARM OF CAMANCHE LAKE**

|                                     |       |
|-------------------------------------|-------|
| Public Fishing Access: Bow for Carp | 10.00 |
|-------------------------------------|-------|

**RV PARKING AREA**

|                          |        |
|--------------------------|--------|
| Nightly                  | 10.00  |
| Clubhouse Rental (daily) | 500.00 |
| Kitchen Rental (daily)   | 500.00 |
| Grounds (daily)          | 500.00 |

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<sup>1</sup>Fee years are by calendar year for all locations except the Camanche Hills Hunting Preserve where fees are implemented earlier for the hunting year October 1 - September 30.



**RECREATION USE FEES FOR 2026**  
**January – December 2026**  
EFFECTIVE 01/01/2026

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**Camanche Hills Hunting Preserve Discounts, Special Programs and Limitations**

Pricing for planted bird hunting will be reviewed and approved by the Director of Water and Natural Resources.

Free bird hunting and sporting clays shooting is offered to the communications media, based on the availability of birds and sporting clays course.

Free use of the facilities is offered to non-profit hunting organizations for family, disabled and junior hunting functions.

A target shooting (sporting clay, trap, 5-stand and bunkers) discount of 15% is offered to Senior, Disabled, and active or retired military visitors.

A target shooting discount of 50% is offered to Distinguished Veteran Pass holders.

A driven pheasant shoot discount of 15% is offered to Senior, Disabled, active or retired military, and Distinguished Veteran Pass holders.

An RV parking discount of 50% is offered to Senior, Disabled and Distinguished Veteran Pass holders.

Daily field trial events are permitted on a limited basis. Fees range from \$0 for qualified non-profit organizations to a maximum of \$200.00.

EBMUD employees and retirees, concession employees and Tri-County (Amador, Calaveras and San Joaquin) Public Safety Personnel receive a 20% discount on food purchases and a 10% discount on sporting clays.

Discounts and incentives are separate and cannot be combined for a larger discount or incentive.





**RECREATION USE FEES FOR 2026**  
**January – December 2026**  
EFFECTIVE 01/01/2026

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**CAMANCHE RESERVOIR – NORTH SHORE  
AND SOUTH SHORE RECREATION AREAS**

**VEHICLE ENTRY/PARKING**

**CAR/MOTORCYCLE/SMALL VAN**

|  |         |
|--|---------|
| Daily (Peak Season: May 1-September 30, weekends and holidays)                   | \$21.50 |
| Daily (Off-season, Peak Season weekdays)   | 13.00   |
| Nightly (non-camping)  | 13.00   |
| Annual (12 consecutive months)   | 245.00  |
| Annual Senior/Disabled/Former POW/Disabled Veteran (12 Consecutive Months)       | 122.50  |
| Combined Car/Boat Daily (Peak Season: May 1-September 30, weekends and holidays) | 25.00   |
| Combined Car/Boat Daily (Off-season, weekdays)                                   | 18.75   |
| Annual Marina Overnight/Day Use (12 consecutive months)                          | 265.00  |

**VEHICLE ENTRY/PARKING LARGE VANS  
AND BUSES**

|                               |       |
|-------------------------------|-------|
| Large Vans – 10-20 Passengers | 24.00 |
| Buses – 21+ Passengers        | 46.00 |

**DOG**

|  |       |
|--|-------|
| Daily (Fee charged each day in park)                               | 7.00  |
| Annual (12 consecutive months concurrent with Annual Parking Pass) | 63.00 |

**BOAT LAUNCH**

|  |        |
|--|--------|
| Daily Peak Season (May 1- Sept 30), weekends and holidays. (Fee charged each day in park.) | 18.50  |
| Daily Off-season; Peak Season weekdays. (Fee charged each day in park.)                    | 13.00  |
| Night (Fee charged each day in park)   | 15.00  |
| Annual (12 consecutive months)   | 210.00 |
| Senior/Disabled/Former POW/Disabled Veteran Annual (12 consecutive months)                 | 105.00 |

**BOAT MOORING (Buoy)**

|  |          |
|--|----------|
| Monthly: under 30 feet   | 340.00   |
| 30 feet & larger   | 415.00   |
| Annual (12 consecutive months, any length)                             | 3,100.00 |
| Annual – concurrent with Mobilehome Space rent (12 consecutive months) | 1,550.00 |



**RECREATION USE FEES FOR 2026**  
**January – December 2026**  
EFFECTIVE 01/01/2026

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**CAMANCHE RESERVOIR – NORTH SHORE  
AND SOUTH SHORE RECREATION AREAS  
(continued)**

**BOAT SLIP OPEN (Excluding park entry)**

|                      |          |
|----------------------|----------|
| Daily                | \$44.00  |
| Weekly               | 205.00   |
| Monthly              | 460.00   |
| 8 Months             | 1,700.00 |
| Key Security Deposit | 15.00    |

**BOAT SLIP COVERED – 24' Length Maximum  
(Excluding park entry)**

|                                |          |
|--------------------------------|----------|
| Daily                          | 60.00    |
| Weekly                         | 240.00   |
| Monthly                        | 640.00   |
| Annual (12 consecutive months) | 2,700.00 |
| Key Security Deposit           | 55.00    |

**BOAT SLIP COVERED – Over 24' Length  
(Excluding park entry)**

|                                |          |
|--------------------------------|----------|
| Daily                          | 65.00    |
| Weekly                         | 325.00   |
| Monthly                        | 775.00   |
| Annual (12 consecutive months) | 3,350.00 |
| Key Security Deposit           | 55.00    |

**RV/TRAILER/BOAT STORAGE (Excluding  
park entry)**

|  |        |
|--|--------|
| Monthly  | 180.00 |
| 12 Months, consecutive   | 950.00 |
| Monthly – 30' Length Maximum (Concurrent<br>with Mooring/Slip Rental)                                    | 85.00  |
| Monthly – Over 30' (Concurrent with<br>Mooring/Slip Rental)  | 120.00 |
| Annual – 30' Length Maximum (Concurrent<br>with Mooring/Slip Rental) (12 consecutive<br>months)          | 415.00 |
| Annual – Over 30' (Concurrent with<br>Mooring/Slip Rental) (12 consecutive months)                       | 550.00 |
| Annual – concurrent with Mobilehome Space<br>rent (12 consecutive months)                                | 490.00 |
| Annual – concurrent with Mobilehome Space<br>rent (<28', 1 boat only, dry #3) (12 consecutive<br>months) | 205.00 |



**RECREATION USE FEES FOR 2026**  
**January – December 2026**  
EFFECTIVE 01/01/2026

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**CAMANCHE RESERVOIR – NORTH SHORE  
AND SOUTH SHORE RECREATION AREAS  
(continued)**

**FISHING ACCESS PERMIT**

|        |        |
|--------|--------|
| Daily  | \$8.25 |
| Annual | 170.00 |

**CAMPSITE (w/vehicle parking)**

|   |        |
|---|--------|
| Nightly (Peak Season: May 1 – September 30)   | 45.00  |
| Nightly (Off-season)                          | 27.00  |
| Second Car Parking                            | 18.00  |
| Weekly (Peak Season: May 1 – September 30)    | 200.00 |
| Weekly (Off-season)                           | 125.00 |
| Second Car Weekly                             | 85.00  |
| 14 nights (Peak Season: May 1 – September 30) | 395.00 |
| 14 nights (Off-season)                        | 265.00 |
| Camping Reservation Fee                       | 13.50  |

**PREMIUM CAMPSITES**

|   |        |
|---|--------|
| Nightly (Peak Season: May 1 – September 30)   | 54.00  |
| Nightly (Off-season)                          | 29.00  |
| Second Car Parking                            | 18.00  |
| Weekly (Peak Season: May 1 – September 30)    | 245.00 |
| Second Car Weekly                             | 85.00  |
| 14 nights (Peak Season: May 1 – September 30) | 485.00 |
| 14 nights (Off-season)                        | 285.00 |

**CAMPSITES WITH TENT STRUCTURES**

|                   |        |
|-------------------|--------|
| 8 person nightly  | 90.00  |
| 8 person weekly   | 450.00 |
| 16 person nightly | 151.00 |
| 16 person weekly  | 662.00 |

**CAMPSITE (WALK-IN/BICYCLE PARKING – 8  
PERSON/BIKE MAX)**

|           |        |
|-----------|--------|
| Nightly   | 25.50  |
| Weekly    | 138.50 |
| 14 nights | 262.00 |



**RECREATION USE FEES FOR 2026**  
**January – December 2026**  
EFFECTIVE 01/01/2026

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**CAMANCHE RESERVOIR – NORTH SHORE  
AND SOUTH SHORE RECREATION AREAS  
(continued)**

**GROUP CAMP (Nightly)**

|                 |          |
|-----------------|----------|
| 12-Person Limit | \$145.00 |
| 16-Person Limit | 175.00   |
| 24-Person Limit | 205.50   |
| 32-Person Limit | 273.00   |
| 64-Person Limit | 515.00   |
| 72-Person Limit | 570.00   |

**GROUP CAMP (Nightly, off-season)**

|                 |        |
|-----------------|--------|
| 12-Person Limit | 72.00  |
| 16-Person Limit | 78.00  |
| 24-Person Limit | 82.50  |
| 32-Person Limit | 90.00  |
| 64-Person Limit | 174.00 |
| 72-Person Limit | 225.00 |

**EQUESTRIAN – TURKEY HILL – 2 HORSES  
PER SINGLE SITE – “NO OFF-SEASON  
DISCOUNTS”**

|   |        |
|---|--------|
| General Assembly Area                       | 110.00 |
| Turkey Hill Single                          | 72.00  |
| Turkey Hill Double                          | 138.00 |
| Turkey Hill Triple                          | 165.00 |
| Turkey Hill Quad                            | 220.00 |
| Entire Turkey Hill (includes assembly area) | 800.00 |

**RV SITE**

|                                     |          |
|-------------------------------------|----------|
| Nightly                             | 68.00    |
| Weekly                              | 365.00   |
| Monthly                             | 750.00   |
| Season (6-Month Max)                | 2,250.00 |
| Premium Sites Nightly (Peak Season) | 76.00    |
| Premium Sites Weekly (Peak Season)  | 390.00   |

**TOWING**

|                                   |        |
|-----------------------------------|--------|
| Camanche Recreation Area per hour | 175.00 |
|-----------------------------------|--------|

**MISCELLANEOUS**

|                                     |       |
|-------------------------------------|-------|
| Camanche Recreation Area Lake Tours | 15.00 |
|-------------------------------------|-------|



**RECREATION USE FEES FOR 2026**  
**January – December 2026**  
EFFECTIVE 01/01/2026

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**CAMANCHE RESERVOIR – NORTH SHORE  
AND SOUTH SHORE RECREATION AREAS  
(continued)**

**BOAT/VESSEL DECONTAMINATION**

|   |                      |
|---|----------------------|
| Vessel decontamination (up to 30')          | \$42.00              |
| Vessels over 30' in length                  | 42.00 + 5.00         |
|   | for each 5' over 30' |
| Ballast tanks decontamination               | 10.00                |
| Tank, bilge, live well decontamination only | 30.00                |
| PWC storage area decontamination only       | 30.00                |
| Kayaks and Canoes decontamination           | 30.00                |

**COTTAGE/MOTEL GENERAL**

|  |        |
|--|--------|
| Camanche Recreation Area – Security Deposit    | 200.00 |
| Additional Guest Charge (to maximum occupancy) | 20.00  |

**COTTAGE (4-Person Base)**

|                    |          |
|--------------------|----------|
| May – Sept: Night  | 220.00   |
| Week               | 1,125.00 |
| Oct – April: Night | 146.00   |
| Week               | 750.00   |
| Month              | 2,050.00 |

**COTTAGE (6-Person Base)**

|                    |          |
|--------------------|----------|
| May – Sept: Night  | 280.00   |
| Week               | 1,450.00 |
| Oct – April: Night | 180.00   |
| Week               | 945.00   |
| Month              | 2,250.00 |

**PARK MODEL (4-Person)**

|                    |          |
|--------------------|----------|
| May – Sept: Night  | 220.00   |
| Week               | 1,125.00 |
| Oct – April: Night | 146.00   |
| Week               | 750.00   |
| Month              | 2,050.00 |

**RESORT RENTAL (4 BEDROOM, 14 PERSON  
MAX)**

|                    |          |
|--------------------|----------|
| May – Sept: Night  | 480.00   |
| Week               | 2,475.00 |
| Oct – April: Night | 255.00   |
| Week               | 1,325.00 |



**RECREATION USE FEES FOR 2026**  
**January – December 2026**  
**EFFECTIVE 01/01/2026**

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**CAMANCHE RESERVOIR – NORTH SHORE  
AND SOUTH SHORE RECREATION AREAS  
(continued)**

**MOBILEHOME (MONTHLY)**

3 bedroom

CY25 Rate +  
HUD FMR<sup>2</sup>

**MOBILEHOME SPACES (MONTHLY)**

North Shore 1A

CY25 Rate +  
HUD FMR<sup>2</sup>

North Shore 1B

CY25 Rate +  
HUD FMR<sup>2</sup>

North Shore 2

CY25 Rate +  
HUD FMR<sup>2</sup>

South Shore

CY25 Rate +  
HUD FMR<sup>2</sup>

\*Mobilehomes registered through Amador County receive a \$2.50 credit on their monthly rent to reflect their payment of fire-related fees.

**OTHER MOBILEHOME FEES (PER SPACE – MONTHLY)**

Guest Fee

\$75.00

Late Rent/Returned Check Fee

50.00

**FACILITY RENTAL**

Lakeside Hall Daily (hall only)

875.00

Lakeside Hall Daily (kitchen & serviceware included)

1,300.00

Lakeside Hall Cleaning and Equipment Deposit

1,000.00

Camanche Clubhouse Rental (North Shore)

215.00

Camanche Clubhouse Rental (South Shore)

150.00

Camanche Amphitheatre (South Shore)

500.00

<sup>2</sup> HUD FMR is the Housing and Urban Development Fair Market Rents Index, which is published by HUD before the start of each federal fiscal year. The mobilehome rental space fee shall be adjusted annually (fee adjustment) based on the following process. Starting with the 2025 Recreation Use Fee schedule, any percent increase shall be capped at 5 percent, provided however, that the cap may increase up to a maximum 10 percent in future years. The percent change in the HUD FMR index for 2-bedroom homes shall be averaged for Amador and Calaveras Counties and shall serve as the fee adjustment, up to the applicable cap for that year. Any balance remaining that was not applied due to the cap shall be carried and applied to the following year's fee adjustment, up to the applicable cap for that year. The applicable cap for a year shall be calculated based on the table below. As with all rates, fees, and charges, the District's Board of Directors may revise this process by Board action.

| Carryforward Balance<br>from Previous Year | Annual Fee Cap |
|--|----------------|
| 0-8%                                       | 5%             |
| 8-12%                                      | 8%             |
| Over 12%                                   | 10%            |



**RECREATION USE FEES FOR 2026**  
**January – December 2026**  
EFFECTIVE 01/01/2026

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**Camanche Reservoir – North and South Shore Recreation Area Discounts, Special Programs, Limitations**

Concessionaire Employees receive free entrance to and use of rental boats during off-hours, a 20% discount on food and merchandise, and a camping discount equal to the car entrance fee. Limited to one free vehicle entry and one free boat rental per employee per day.

Concessionaire and/or District may provide free entry and use of rental boats for disadvantaged groups (e.g., disabled, senior, youth, veteran), and for media to promote the recreation area.

Current Camanche Regional Park Advisory Board members and active field public safety personnel in Amador, Calaveras and San Joaquin County receive free day use entry.

Senior/Disabled receive 50% discount on annual entry and boat launch fees, and on non-holiday weekday boat rentals. Senior rates are for individuals with a driver's license or ID showing age 62 or older.

Active, reserve, retired, and veteran military personnel receive 20% discount on day use entry, boat rentals, (excluding rental of the party barge), camping and short-term (14-day) RV sites and lodging. Military identification required. Discount may not be combined with other offers.

Distinguished Veteran Pass holders receive free day use and boat launch and 50% discount on non-holiday weekday boat rentals.

Groups of four or less individuals meeting the criteria for disabled discounts shall be eligible to rent the 6-person ADA cottages at Camanche for the 4-person cottage rate.

Turkey Hill Equestrian Campground single site customers renting larger spaces due to single sites being occupied shall be charged the lesser prorated rate.

Concessionaire or District can issue return coupons for free entry or camping for dissatisfied customers.

Groups participating in volunteer District facility improvement programs receive 50% discount on entry and camping fees.

Short-term visitor passes may be issued for periods up to one-hour.

Campsite charges include one vehicle entry, and RV site charges include a second/tow vehicle. Monthly and Seasonal RV Park fees include one vehicle entry, but do not include electricity charge. Electricity is metered and charged separately. Each of the daily charges, except the fishing access permit, shall be valid and effective for the calendar day upon which the charge was made, from one hour before sunrise until one hour after sunset.

Fishing access permits are valid until midnight of said day.



**RECREATION USE FEES FOR 2026**  
**January – December 2026**  
EFFECTIVE 01/01/2026

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**Camanche Reservoir – North and South Shore Recreation Area Discounts, Special Programs, Limitations (continued)**

Each of the weekly charges shall be valid and effective for the calendar week in which the charge is made, terminating at 1:00 p.m. on the seventh consecutive day of said period. The seasonal charges noted for each recreation area shall be valid and effective for a period not exceeding 24 consecutive hours and terminating at 1:00 p.m. during said period.

Check out time for all RV sites is 1:00 p.m.

Peak Season is May 1 – September 30. Off-season is October 1 – April 30.

Premium Campsite or Premium RV site is a site that due to enhanced amenities, waterfront access or other special features is rented at a higher rate than a standard site.

Standard campsites may have a maximum of 8 people and 2 vehicles.

Short-term visitor passes may be issued for periods of up to one-hour.





**RECREATION USE FEES FOR 2026**  
**January – December 2026**  
EFFECTIVE 01/01/2026

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**LAFAYETTE RECREATION AREA**

**ENTRY AND PARKING –  
CAR/MOTORCYCLE/SMALL VAN**

|   |        |
|---|--------|
| Daily   | \$7.00 |
| Annual (new or renewal)   | 140.00 |
| Replacement hang-tag (Replacement limited to 1 hang-tag per year) | 25.00  |
| Parking Meters 1/2 hour   | 1.00   |
| Senior/Disabled   |        |
| Season (new or renewal)   | 90.00  |

**ENTRY AND PARKING –  
LARGE VANS AND BUSES**

|                               |       |
|-------------------------------|-------|
| Large Vans – 10-20 Passengers | 22.00 |
| Buses – 21+ Passengers        | 40.00 |

**COMMERCIAL USES (in addition to the base fee noted below, the Director of Water and Natural Resources may set an additional fee to recover the District's direct costs plus overhead)**

|                               |          |
|-------------------------------|----------|
| Commercial Use                |          |
| Small (up to 10 people)       | 120.00   |
| Medium (from 11 to 50 people) | 600.00   |
| Large (from 51 to 150 people) | 1,200.00 |

**BOAT LAUNCH**

|                     |        |
|---------------------|--------|
| Daily               | 4.00   |
| Annual              | 100.00 |
| Boat Inspection Fee | 6.00   |

**FISHING ACCESS**

|       |      |
|-------|------|
| Daily | 6.00 |
|-------|------|

**GROUP PICNIC**

|                                  |                          |
|----------------------------------|--------------------------|
| Small Site (Weekend/Holiday)     | 200.00                   |
| Small Site (Weekday/Non-Holiday) | 100.00                   |
| Large Site (Weekend/Holiday)     | 350.00                   |
| Large Site (Weekday/Non-Holiday) | 175.00                   |
| Special Events Fee               | 500.00 + \$1/participant |
| Security Deposit                 | 100.00                   |



**RECREATION USE FEES FOR 2026**  
**January – December 2026**  
EFFECTIVE 01/01/2026

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**Lafayette Reservoir – Discounts, Special Programs, Limitations**

District may provide free entry and use of rental boats for disadvantaged groups (e.g., disabled, senior, youth, veteran), and for media to promote the recreation area.

Senior/Disabled receive 50% discount on boat launch fees and on non-holiday weekday boat rentals. Senior rates are for individuals with a drivers' license showing age 62 or older.

Distinguished Veteran Pass holders receive free day use and boat launch and 50% discount on non-holiday weekday boat rentals.



**RECREATION USE FEES FOR 2026**  
**January – December 2026**  
EFFECTIVE 01/01/2026

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**PARDEE RECREATION AREA**

**VEHICLE ENTRY AND PARKING –  
CAR/MOTORCYCLE/SMALL VAN**

|                             |         |
|-----------------------------|---------|
| Daily/Nightly (Non-Camping) | \$13.00 |
| Season                      | 145.00  |
| Combined Car/Boat Daily     | 20.00   |

**VEHICLE ENTRY AND PARKING –  
LARGE VANS AND BUSES**

|                               |       |
|-------------------------------|-------|
| Large Vans – 10-20 Passengers | 24.00 |
| Buses – 21+ Passengers        | 46.00 |

**DOG**

|  |       |
|--|-------|
| Daily (Fee charged each day in park)         | 6.50  |
| Season (Concurrent with Season Parking Pass) | 60.00 |

**STANDARD BOAT LAUNCH**

|                                      |        |
|--------------------------------------|--------|
| Daily (Fee charged each day in park) | 13.00  |
| Season                               | 135.00 |

**CARTOP BOAT LAUNCH (Float Tube, Kayak,  
Canoe, Scull)**

|        |       |
|--------|-------|
| Daily  | 6.00  |
| Season | 60.00 |

**BOAT SLIP (excluding park entry)**

|                                    |        |
|------------------------------------|--------|
| Daily                              | 13.00  |
| Weekly                             | 65.00  |
| Monthly                            | 140.00 |
| Season                             | 800.00 |
| Season (concurrent with season RV) | 750.00 |

**FISHING ACCESS**

|        |        |
|--------|--------|
| Daily  | 8.25   |
| Annual | 200.00 |

**POOL USE**

|                                |      |
|--------------------------------|------|
| Pool Access Wristband          | 3.50 |
| Pool Access Wristband - Senior | 2.50 |

**MISCELLANEOUS**

|                             |       |
|-----------------------------|-------|
| RV/Campsite Reservation Fee | 11.00 |
|-----------------------------|-------|



**RECREATION USE FEES FOR 2026**  
**January – December 2026**  
EFFECTIVE 01/01/2026

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**PARDEE RECREATION AREA (continued)**

**STANDARD CAMPSITE (w/vehicle parking)**

|                    |         |
|--------------------|---------|
| Nightly            | \$35.00 |
| Second Car Parking | 13.00   |
| Weekly             | 160.00  |
| Second Car Parking | 65.00   |

**PREMIUM CAMPSITE (w/vehicle parking)**

|         |        |
|---------|--------|
| Nightly | 40.00  |
| Weekly  | 200.00 |

**CAMPSITE (walk-in/bicycle parking)**

|                           |        |
|---------------------------|--------|
| (8 person/8 bike maximum) |        |
| Nightly                   | 25.00  |
| Weekly                    | 138.50 |

**DOUBLE CAMPSITE (16 people/2 vehicles)**

|                         |       |
|-------------------------|-------|
| Nightly                 | 60.00 |
| Third or Fourth Vehicle | 13.00 |

**RV SITE**

|                       |          |
|-----------------------|----------|
| Nightly               | 50.00    |
| Weekly                | 300.00   |
| Monthly               | 600.00   |
| Season                | 4,505.00 |
| Season – Premium Site | 4,648.00 |

**RV/TRAILER/BOAT STORAGE (excluding park entry)**

|   |        |
|---|--------|
| Weekly                                  | 40.00  |
| Monthly                                 | 90.00  |
| Season                                  | 600.00 |
| Season – concurrent with season RV site | 475.00 |
| 12-Month Consecutive                    | 800.00 |

**TOWING**

100.00

**RESERVABLE SITE/FACILITY (charges in addition to above fees)**

|   |        |
|---|--------|
| Small (25 or less people)                   | 75.00  |
| Medium (26-100 people)                      | 125.00 |
| Large (101-150 people)                      | 175.00 |
| Over 150 people                             | 300.00 |
| Café/Pool Day Use Area (refundable deposit) | 60.00  |



**RECREATION USE FEES FOR 2026**  
**January – December 2026**  
EFFECTIVE 01/01/2026

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**PARDEE RESERVOIR – DISCOUNTS, SPECIAL PROGRAMS, LIMITATIONS**

Concessionaire Employees receive free entrance to and use of rental boats during off-season hours, a 20% discount on food and merchandise, and a camping discount equal to the car entrance fee. Limited to one free vehicle entry and one free boat rental per employee per day.

Concessionaire and/or District may provide free entry and use of rental boats for disadvantaged groups (e.g., disabled, senior, youth, veteran), and for media to promote the recreation area.

Current Camanche Regional Park Advisory Board members and active field public safety personnel in Amador, Calaveras and San Joaquin County receive free day use entry.

Senior/Disabled receive 50% discount on annual entry and boat launch fees, and on non-holiday weekday boat rentals. Senior rates are for individuals with a driver's license or ID showing age 62 or older.

Active, reserve, retired, and veteran military personnel receive 20% discount on day use entry, boat rentals, (excluding Deluxe Pontoon), and dry camping (excluding RV hook-up sites). Military identification required. Discount may not be combined with other offers.

Distinguished Veteran Pass holders receive free day use and boat launch and 50% discount on non-holiday weekday boat rentals.

Concessionaire or District can issue return coupons for free entry or camping for dissatisfied customers.

Groups participating in volunteer District facility improvement programs receive 50% discount on entry and camping fees.

Campsite charges include one vehicle entry, and RV site charges include a second/tow vehicle.

Monthly and Seasonal RV Park fees include one vehicle entry, but do not include electricity charge. Electricity is metered and charged separately.

Each of the daily charges, except the fishing access permit, shall be valid and effective for the calendar day upon which the charge was made, from one hour before sunrise until one hour after sunset. Fishing access permits are valid until midnight of said day.

Each of the weekly charges shall be valid and effective for the calendar week in which the charge is made, terminating at 1:00 p.m. on the seventh consecutive day of said period.

Each of the nightly charges shall be valid and effective for a period not exceeding 24 consecutive hours and terminating at 1:00 p.m. during said period.

Premium Campsite or Premium RV site is a site that due to enhanced amenities, waterfront access or other special features is rented at a higher rate than a standard site.



**RECREATION USE FEES FOR 2026**  
**January – December 2026**  
EFFECTIVE 01/01/2026

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**PARDEE RESERVOIR – DISCOUNTS, SPECIAL PROGRAMS, LIMITATIONS (continued)**

Standard campsites may have a maximum of 8 people and 2 vehicles.

Short-term visitor passes may be issued for periods up to one hour.



**RECREATION USE FEES FOR 2026**  
**January – December 2026**  
EFFECTIVE 01/01/2026

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**SAN PABLO RECREATION AREA**

**ENTRY AND PARKING –  
CAR/MOTORCYCLE/SMALL VAN**

|   |        |
|---|--------|
| Daily   | \$7.00 |
| Daily (Special Events)                        | 5.00   |
| Season  | 120.00 |
| Replacement Pass (limited to 1 pass per year) | 25.00  |

**ENTRY AND PARKING –  
LARGE VANS AND BUSES**

|                               |       |
|-------------------------------|-------|
| Large Vans – 10-20 Passengers | 22.00 |
| Buses – 21+ Passengers        | 40.00 |

**COMMERCIAL USES (in addition to the base  
fee noted below, the Director of Water and  
Natural Resources may set an additional fee  
to recover the District's direct costs plus  
overhead)**

|                               |          |
|-------------------------------|----------|
| Small (up to 10 people)       | 120.00   |
| Medium (from 11 to 50 people) | 600.00   |
| Large (from 51 to 150 people) | 1,200.00 |

**STANDARD BOAT LAUNCH**

|                              |        |
|------------------------------|--------|
| Daily                        | 8.00   |
| Season (Entry & Boat Launch) | 170.00 |
| Boat Inspection Fee          | 10.00  |

**CARTOP BOAT LAUNCH (Float Tube, Kayak,  
Canoe, Scull)**

|                                  |        |
|----------------------------------|--------|
| Daily                            | 4.00   |
| Season (Entry and Cartop Launch) | 124.00 |

**FISHING ACCESS**

|       |      |
|-------|------|
| Daily | 7.00 |
|-------|------|

**GROUP PICNIC**

|                           |        |
|---------------------------|--------|
| Large Sites (Oaks) daily  | 300.00 |
| Large Sites (Pines) daily | 200.00 |
| Security Deposit          | 100.00 |

**GAZEBO, Daily Rental**

|                  |        |
|------------------|--------|
| Security Deposit | 100.00 |
|------------------|--------|

**TOWING**

40.00



**RECREATION USE FEES FOR 2026**  
**January – December 2026**  
EFFECTIVE 01/01/2026

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**SAN PABLO RESERVOIR – Discounts, Special Programs, Limitations**

Concessionaire Employees receive free entrance to and use of rental boats during off-season hours, a 20% discount on food and merchandise. The discount is limited to one free vehicle entry and one free boat rental per employee per day. To qualify, a concession employee must work a minimum of 20 hours per week, Sunday through Saturday.

Concessionaire and/or District may provide free entry and use of rental boats for disadvantaged groups (e.g., disabled, senior, youth, veteran), and for media to promote the recreation area.

Concessionaire or District can issue return coupons for free entry or camping for dissatisfied customers.

Each of the daily charges, including the fishing access permit, shall be valid and effective for the calendar day upon which the charge was made, from the time the park opens until it closes each day.

Groups participating in volunteer District facility improvement programs receive 50% discount on entry fees.

Senior/Disabled receive 50% discount on season passes and on non-holiday weekday boat rentals. Senior rates are for individuals with a driver's license or ID showing age 62 or older.

Distinguished Veteran Pass holders receive free day use and boat launch and 50% discount on non-holiday weekday boat rentals.

Unless determined otherwise, the recreation season is mid-February through November (dates selected by concessionaire with District approval).





**RECREATION USE FEES FOR 2026**  
**January – December 2026**  
EFFECTIVE 01/01/2026

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**WATERSHED TRAIL SYSTEM**

**WATERSHED TRAILS**

|                          |        |
|--------------------------|--------|
| Daily Permit             | \$3.00 |
| Annual Permit            | 10.00  |
| Three-Year Permit        | 20.00  |
| Five-Year Permit         | 30.00  |
| Low-income Annual Permit | 0.00   |

# Appendix B – Recommended Changes to Water Service Regulations for Fiscal Year 2026

## *Water Service Regulations*

Section 1 – Explanation of Terms Used in These Regulations

Section 4 – Main Extensions

Section 17 – Change in Use and/or Size of Service

Section 26 – Protection of Public Water Supply

Section 30 – Recycled Water Service

Section 31 – Water Efficiency Requirements

## Section 1

# Explanation of Terms Used in these Regulations

FY 2026



# **REGULATIONS GOVERNING WATER SERVICE TO CUSTOMERS OF THE EAST BAY MUNICIPAL UTILITY DISTRICT**

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PAGE NUMBER: 01-A

## **SECTION 1 EXPLANATION OF TERMS USED IN THESE REGULATIONS**

COMMON AREA shall mean a room, unit, or area of a building that is outside of the residential or commercial units, and is for the sole use of the tenants or occupants.

DISTRICT shall refer to the East Bay Municipal Utility District unless otherwise specified.

ELEVATION SURCHARGE shall mean that charge applied to customers' accounts where meters are served by pressure zones with an elevation designator of two (2) or more in the District's pressure zone designations. The charge shall be computed in accordance with Schedule A, Rate Schedule for Water Service, Section D. The Elevation Surcharge ~~is a means of allocating~~ recovers the additional costs incurred for pumping ~~and storing water~~ to higher elevations.

EXPANDED SERVICE shall refer to any upgrade, change, modification to existing standard service that increases the size of the meter, or increases to the annual average water use resulting from improvements to the existing structure(s) and new construction.

FRONT FOOT CHARGE shall mean the charge applicable to a premises when a main is or has been brought to the principal frontage of the premises to make service available to the premises. This charge shall be computed in accordance with the provisions of Section 4, and shall generally be the proration of the cost of extending the main based on the width of the premises fronting on and entitled to service from the main extension. The front foot charge shall not apply to premises already entitled to service, according to District requirements, on or before the date the main extension is installed. Where a front foot charge is applicable, it must be paid before a service will be installed.

HYDRANT or PUBLIC FIRE HYDRANT shall mean a fire hydrant that is connected to a main by a lateral, owned by the District, and located within the public right-of-way or District-owned right-of-way.

PRIVATE FIRE HYDRANT shall mean a fire hydrant that is located downstream of a private fire service.

IRRIGABLE LANDSCAPE AREA shall mean the area of a premises less the aggregate area of structure footprints, impervious and pervious hardscape and undisturbed open space within that premises.

IRRIGATED LANDSCAPING shall mean the total aggregated area or footprint of irrigated landscape for a premises, which does not include open space or the non-irrigated area.

The terms "Irrigable Landscape Area" and "Irrigated Landscaping" may apply to more than one premises, as determined solely by the District, where the multiple premises are contiguous and the managing entity for the irrigation water service to those multiple premises is a single person or entity, such as a city or a homeowners' association.

LATERAL shall refer to the District-owned pipeline connecting a meter or hydrant to the main.

MAIN shall refer to District-owned pipelines that are not part of a service connection or hydrant.



# **REGULATIONS GOVERNING WATER SERVICE TO CUSTOMERS OF THE EAST BAY MUNICIPAL UTILITY DISTRICT**

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PAGE NUMBER: 01-B

## **SECTION 1 EXPLANATION OF TERMS USED IN THESE REGULATIONS**

MAJOR FACILITIES shall mean storage reservoirs, pumping plants, transmission mains, water treatment plants, and appurtenances, including necessary properties and rights of way.

METER shall mean the entire meter assembly, which may include appurtenances or devices owned and installed by the District in connection with a service connection.

DEDICATED IRRIGATION METER shall mean the entire meter assembly dedicated for outdoor landscape water use, which may include appurtenances or devices owned and installed by the District or applicant, as solely determined by the District, as provided in Sections 3 and 31 of these Regulations.

SUBMETER shall mean a non-District-meter that is installed downstream of the District's meter. The submeter or submeter data must be readily accessible for review by those utilizing the water, and is wholly maintained and serviced by the owner/agent of the premises.

PREMISES shall mean a parcel of real estate, including any improvements thereon, which is determined by the District to be a single premises for purposes of receiving, using and paying for service. In making this determination, the District shall take into consideration such factors as assessor parcel lines, whether the parcel could reasonably be subdivided, whether the parcel is being used for a single enterprise, and whether the parcel is divided by a public or a private street, but in any case, the District's determination shall be final.

MULTI-FAMILY PREMISES shall mean premises designated for multi-family use by the local land use authority which may include but are not limited to apartments, duplexes, condominiums, or other dwelling units not classified as single-family or premises intended for or with structure(s) constructed with independent living facilities for one or more persons

MULTI-OCCUPANCY COMMERCIAL/INDUSTRIAL PREMISES shall mean premises designated for commercial/industrial use by the local land use authority, with two or more attached or separate commercial or industrial occupancy units, rental or owner-occupied, which is determined by the District to be a single premises for receiving water service.

SINGLE FAMILY PREMISES shall mean a premises designated for single-family use by the local land use authority or premises intended for or with structure(s) constructed for occupancy by a single-family as determined by the District with one or more attached or separate structures, rental or owner-occupied, providing permanent provisions for living, cooking, sanitation, and separate ingress/egress.

PRESSURE ZONE shall mean a portion of the water distribution system in which all premises are served through meters within a specific range of elevations and supplied by the same major facilities through an interconnected pipeline network. The upper limit of the pressure zone is 100 feet below the overflow elevation of the reservoir providing service, and the lower limit is determined by the upper limit of the next lower pressure zone or an elevation approximately 300 feet below the overflow elevation of the reservoir. Gravity Zones are those pressure zones which receive their water supply by gravity flow from the treatment plants and are identified by the prefixes "G" and "H" in the District's pressure zone



# **REGULATIONS GOVERNING WATER SERVICE**

## **TO CUSTOMERS OF THE EAST BAY MUNICIPAL UTILITY DISTRICT**

PAGE NUMBER: 01-C

### **SECTION 1**

### **EXPLANATION OF TERMS USED IN THESE REGULATIONS**

designations. Pumped Zones are those pressure zones which receive their water supply from the treatment plants by pumping and are identified by the prefixes "A" through "F" in the District's pressure zone designations.

**PRINCIPAL FRONTAGE** shall mean that part of the perimeter of the major portion of the premises where the principal use of the property is located, which fronts on a public street or private road or driveway from which the premises generally receives access, public services and utilities, as determined by the District. Principal use does not include easements, rights of way, or a relatively narrow portion of a premises used for access or other purpose.

**REASONABLY AVAILABLE SERVICE** shall mean that a service connection installed at the principal frontage of the premises will provide adequate pressure and flow for normal operation of plumbing fixtures, water using appliances, requirements set by the responsible fire protection agency, and irrigation. In determining reasonably available service, the District will consider, relative to the service location and the applicable pressure zone, the elevation of the existing or proposed building on the premises, the distance of the building site from the meter location and any pressure and flow requirement for fire protection.

**RENOVATION** shall mean any improvements to existing structure(s) that would change the Business Classification of the existing structure(s) and/or increase the average annual water use.

**RETROFITS** shall mean the conversion or modification of existing water using fixtures, appliances, equipment and landscaping such that they are suitable for water service.

**SEPARATE STRUCTURE** shall mean a distinct building with water using fixtures.

**SERVICE** shall mean the furnishing of water (potable or nonpotable) to a customer through a service connection.

**BRANCH SERVICE** shall refer to a service connection with two or more meters per service connection.

**CONDITIONAL SERVICE** shall mean a service connection to a premises at other than the principal frontage as provided in Section 3 of these Regulations.

**DUAL SERVICE** shall mean a combination standard and fire service.

**LIMITED/LOW/HIGH PRESSURE SERVICE** shall mean a water service connection provided under a written agreement for a service with special conditions when standard service is not reasonably available. See Section 8, 8A, and 8B of these Regulations.

**PRIVATE FIRE SERVICE** shall mean a water service connection provided under written agreement for the sole use of fire protection to a premises, further defined in Section 3 of these Regulations.



# **REGULATIONS GOVERNING WATER SERVICE**

## **TO CUSTOMERS OF THE EAST BAY MUNICIPAL UTILITY DISTRICT**

PAGE NUMBER: 01-D

### **SECTION 1**

### **EXPLANATION OF TERMS USED IN THESE REGULATIONS**

STANDARD SERVICE shall mean a service other than a private fire service, installed within the District's service area, adjacent to the principal frontage of the premises to be served, which service is needed for immediate use to supply an identified function directly related to such premises.

SERVICE CONNECTION shall mean the necessary piping and equipment from the main to and including the meter or battery of meters. Reference to a service connection by size shall mean the size of the meter.

STANDARD PARTICIPATION CHARGE (SPC) shall mean the charge paid as a contribution towards the cost of future general oversizing of water mains and to provide major facilities capacity for service to new customers. This charge is paid in lieu of the System Capacity Charge by certain applicants who applied for service on or before June 28, 1983. The SPC also includes a component for the allocated cost of providing a future water supply to meet the long-term increase in water demand in the District.

SYSTEM CAPACITY CHARGE (SCC) shall mean the charge required of all applicants for water service to premises where installation of a service connection is required, including expanded service, as solely determined by the District. The charge to be paid depends on the regional location and the applicable meter size, the estimated annual average water use as determined by the District for large meters not covered in Schedule J based on water use information furnished by the applicant, or number of units. The charge is payment for the costs allocated to providing capacity for water service to applicants within each region, including components for major facilities in the District's distribution system master plan, major facilities constructed prior to the master plan, and water main oversizing. The SCC also includes a component for the allocated cost of providing a future water supply to meet the long-term increase in water demand in the District. The charge shall be computed in accordance with Schedule J of the Rates and Charges.

UNIT shall mean and apply to a Dwelling Unit, Accessory Dwelling Unit, Commercial/Industrial Unit, Live/Work Unit, or Work/Live Unit within a premises as defined below, unless specified otherwise.

ACCESSORY DWELLING UNIT shall be as defined by [Chapter 13 of Division 1 of Title 7 of the California Government Code](#)~~California Government Code Section 65852.2.~~

JUNIOR ACCESSORY DWELLING UNIT shall be as defined by [Chapter 13 of Division 1 of Title 7 of the California Government Code](#)~~California Government Code Section 65852.22.~~

DWELLING UNIT shall mean an attached or detached rental or owner-occupied residential unit on a premises, which provides complete independent living facilities for one or more persons, including one or more permanent provisions for living, sleeping, cooking, sanitation, and separate ingress/egress as solely determined by the District.

COMMERCIAL/INDUSTRIAL UNIT shall mean an attached or detached rental or owner-occupied unit used directly or indirectly in connection with any non-residential, or business undertaking, which provides complete independent facilities for one or more persons, including



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one or more permanent provisions for sanitation, and separate ingress/egress as solely determined by the District.

LIVE/WORK UNIT shall be considered an attached or detached unit of a mixed-use premises that accommodates both residential and non-residential activities, but emphasizes the accommodation of residential activities per Local Land Use designation, as solely determined by the District. For the purpose of System Capacity Charges, a Live/Work Unit shall be considered as residential.

WORK/LIVE UNIT shall be considered an attached or detached unit of a mixed-use premises that accommodates both residential and non-residential activities, but emphasizes the accommodation of commercial activities per local land use designation, as solely determined by the District. For the purpose of System Capacity Charges, a Work/Live Unit shall be considered as non-residential.

WATER EFFICIENCY REQUIREMENTS shall include all water-using fixtures, technologies, practices, and ordinances in accordance with Section 31 of these Regulations.





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COMMON AREA shall mean a room, unit, or area of a building that is outside of the residential or commercial units, and is for the sole use of the tenants or occupants.

DISTRICT shall refer to the East Bay Municipal Utility District unless otherwise specified.

ELEVATION SURCHARGE shall mean that charge applied to customers' accounts where meters are served by pressure zones with an elevation designator of two (2) or more in the District's pressure zone designations. The charge shall be computed in accordance with Schedule A, Rate Schedule for Water Service, Section D. The Elevation Surcharge recovers the additional costs incurred for pumping water to higher elevations.

EXPANDED SERVICE shall refer to any upgrade, change, modification to existing standard service that increases the size of the meter, or increases to the annual average water use resulting from improvements to the existing structure(s) and new construction.

FRONT FOOT CHARGE shall mean the charge applicable to a premises when a main is or has been brought to the principal frontage of the premises to make service available to the premises. This charge shall be computed in accordance with the provisions of Section 4, and shall generally be the proration of the cost of extending the main based on the width of the premises fronting on and entitled to service from the main extension. The front foot charge shall not apply to premises already entitled to service, according to District requirements, on or before the date the main extension is installed. Where a front foot charge is applicable, it must be paid before a service will be installed.

HYDRANT or PUBLIC FIRE HYDRANT shall mean a fire hydrant that is connected to a main by a lateral, owned by the District, and located within the public right-of-way or District-owned right-of-way.

PRIVATE FIRE HYDRANT shall mean a fire hydrant that is located downstream of a private fire service.

IRRIGABLE LANDSCAPE AREA shall mean the area of a premises less the aggregate area of structure footprints, impervious and pervious hardscape and undisturbed open space within that premises.

IRRIGATED LANDSCAPING shall mean the total aggregated area or footprint of irrigated landscape for a premises, which does not include open space or the non-irrigated area.

The terms "Irrigable Landscape Area" and "Irrigated Landscaping" may apply to more than one premises, as determined solely by the District, where the multiple premises are contiguous and the managing entity for the irrigation water service to those multiple premises is a single person or entity, such as a city or a homeowners' association.

LATERAL shall refer to the District-owned pipeline connecting a meter or hydrant to the main.

MAIN shall refer to District-owned pipelines that are not part of a service connection or hydrant.



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MAJOR FACILITIES shall mean storage reservoirs, pumping plants, transmission mains, water treatment plants, and appurtenances, including necessary properties and rights of way.

METER shall mean the entire meter assembly, which may include appurtenances or devices owned and installed by the District in connection with a service connection.

DEDICATED IRRIGATION METER shall mean the entire meter assembly dedicated for outdoor landscape water use, which may include appurtenances or devices owned and installed by the District or applicant, as solely determined by the District, as provided in Sections 3 and 31 of these Regulations.

SUBMETER shall mean a non-District-meter that is installed downstream of the District's meter. The submeter or submeter data must be readily accessible for review by those utilizing the water, and is wholly maintained and serviced by the owner/agent of the premises.

PREMISES shall mean a parcel of real estate, including any improvements thereon, which is determined by the District to be a single premises for purposes of receiving, using and paying for service. In making this determination, the District shall take into consideration such factors as assessor parcel lines, whether the parcel could reasonably be subdivided, whether the parcel is being used for a single enterprise, and whether the parcel is divided by a public or a private street, but in any case, the District's determination shall be final.

MULTI-FAMILY PREMISES shall mean premises designated for multi-family use by the local land use authority which may include but are not limited to apartments, duplexes, condominiums, or other dwelling units not classified as single-family or premises intended for or with structure(s) constructed with independent living facilities for one or more persons

MULTI-OCCUPANCY COMMERCIAL/INDUSTRIAL PREMISES shall mean premises designated for commercial/industrial use by the local land use authority, with two or more attached or separate commercial or industrial occupancy units, rental or owner-occupied, which is determined by the District to be a single premises for receiving water service.

SINGLE FAMILY PREMISES shall mean a premises designated for single-family use by the local land use authority or premises intended for or with structure(s) constructed for occupancy by a single-family as determined by the District with one or more attached or separate structures, rental or owner-occupied, providing permanent provisions for living, cooking, sanitation, and separate ingress/egress.

PRESSURE ZONE shall mean a portion of the water distribution system in which all premises are served through meters within a specific range of elevations and supplied by the same major facilities through an interconnected pipeline network. The upper limit of the pressure zone is 100 feet below the overflow elevation of the reservoir providing service, and the lower limit is determined by the upper limit of the next lower pressure zone or an elevation approximately 300 feet below the overflow elevation of the reservoir. Gravity Zones are those pressure zones which receive their water supply by gravity flow from the treatment plants and are identified by the prefixes "G" and "H" in the District's pressure zone



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designations. Pumped Zones are those pressure zones which receive their water supply from the treatment plants by pumping and are identified by the prefixes "A" through "F" in the District's pressure zone designations.

**PRINCIPAL FRONTAGE** shall mean that part of the perimeter of the major portion of the premises where the principal use of the property is located, which fronts on a public street or private road or driveway from which the premises generally receives access, public services and utilities, as determined by the District. Principal use does not include easements, rights of way, or a relatively narrow portion of a premises used for access or other purpose.

**REASONABLY AVAILABLE SERVICE** shall mean that a service connection installed at the principal frontage of the premises will provide adequate pressure and flow for normal operation of plumbing fixtures, water using appliances, requirements set by the responsible fire protection agency, and irrigation. In determining reasonably available service, the District will consider, relative to the service location and the applicable pressure zone, the elevation of the existing or proposed building on the premises, the distance of the building site from the meter location and any pressure and flow requirement for fire protection.

**RENOVATION** shall mean any improvements to existing structure(s) that would change the Business Classification of the existing structure(s) and/or increase the average annual water use.

**RETROFITS** shall mean the conversion or modification of existing water using fixtures, appliances, equipment and landscaping such that they are suitable for water service.

**SEPARATE STRUCTURE** shall mean a distinct building with water using fixtures.

**SERVICE** shall mean the furnishing of water (potable or nonpotable) to a customer through a service connection.

**BRANCH SERVICE** shall refer to a service connection with two or more meters per service connection.

**CONDITIONAL SERVICE** shall mean a service connection to a premises at other than the principal frontage as provided in Section 3 of these Regulations.

**DUAL SERVICE** shall mean a combination standard and fire service.

**LIMITED/LOW/HIGH PRESSURE SERVICE** shall mean a water service connection provided under a written agreement for a service with special conditions when standard service is not reasonably available. See Section 8, 8A, and 8B of these Regulations.

**PRIVATE FIRE SERVICE** shall mean a water service connection provided under written agreement for the sole use of fire protection to a premises, further defined in Section 3 of these Regulations.



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**STANDARD SERVICE** shall mean a service other than a private fire service, installed within the District's service area, adjacent to the principal frontage of the premises to be served, which service is needed for immediate use to supply an identified function directly related to such premises.

**SERVICE CONNECTION** shall mean the necessary piping and equipment from the main to and including the meter or battery of meters. Reference to a service connection by size shall mean the size of the meter.

**STANDARD PARTICIPATION CHARGE (SPC)** shall mean the charge paid as a contribution towards the cost of future general oversizing of water mains and to provide major facilities capacity for service to new customers. This charge is paid in lieu of the System Capacity Charge by certain applicants who applied for service on or before June 28, 1983. The SPC also includes a component for the allocated cost of providing a future water supply to meet the long-term increase in water demand in the District.

**SYSTEM CAPACITY CHARGE (SCC)** shall mean the charge required of all applicants for water service to premises where installation of a service connection is required, including expanded service, as solely determined by the District. The charge to be paid depends on the regional location and the applicable meter size, the estimated annual average water use as determined by the District for large meters not covered in Schedule J based on water use information furnished by the applicant, or number of units. The charge is payment for the costs allocated to providing capacity for water service to applicants within each region, including components for major facilities in the District's distribution system master plan, major facilities constructed prior to the master plan, and water main oversizing. The SCC also includes a component for the allocated cost of providing a future water supply to meet the long-term increase in water demand in the District. The charge shall be computed in accordance with Schedule J of the Rates and Charges.

**UNIT** shall mean and apply to a Dwelling Unit, Accessory Dwelling Unit, Commercial/Industrial Unit, Live/Work Unit, or Work/Live Unit within a premises as defined below, unless specified otherwise.

**ACCESSORY DWELLING UNIT** shall be as defined by Chapter 13 of Division 1 of Title 7 of the California Government Code.

**JUNIOR ACCESSORY DWELLING UNIT** shall be as defined by Chapter 13 of Division 1 of Title 7 of the California Government Code.

**DWELLING UNIT** shall mean an attached or detached rental or owner-occupied residential unit on a premises, which provides complete independent living facilities for one or more persons, including one or more permanent provisions for living, sleeping, cooking, sanitation, and separate ingress/egress as solely determined by the District.

**COMMERCIAL/INDUSTRIAL UNIT** shall mean an attached or detached rental or owner-occupied unit used directly or indirectly in connection with any non-residential, or business undertaking, which provides complete independent facilities for one or more persons, including



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one or more permanent provisions for sanitation, and separate ingress/egress as solely determined by the District.

LIVE/WORK UNIT shall be considered an attached or detached unit of a mixed-use premises that accommodates both residential and non-residential activities, but emphasizes the accommodation of residential activities per Local Land Use designation, as solely determined by the District. For the purpose of System Capacity Charges, a Live/Work Unit shall be considered as residential.

WORK/LIVE UNIT shall be considered an attached or detached unit of a mixed-use premises that accommodates both residential and non-residential activities, but emphasizes the accommodation of commercial activities per local land use designation, as solely determined by the District. For the purpose of System Capacity Charges, a Work/Live Unit shall be considered as non-residential.

WATER EFFICIENCY REQUIREMENTS shall include all water-using fixtures, technologies, practices, and ordinances in accordance with Section 31 of these Regulations.

## Section 4

### Main Extensions

FY 2026





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## **SECTION 4 MAIN EXTENSIONS**

### **A. EXTENDING MAINS**

In general, whenever extension of a water main within the District boundaries is required because a principal part of the premises to be served does not lie along an available water main with adequate flow and pressure, the extension will be installed after an agreement has been executed by the applicant and the District for payment by applicant of all applicable charges. The manner of determining the charges is set forth in this section and is based on the policy of the District that applicants for water service shall pay the full cost of facilities required to provide the service. The charges shall be as described in the Schedule of Rates and Charges.

#### **1. MAIN EXTENSIONS LESS THAN 1,000 FEET IN LENGTH**

A water main extension of less than 1,000 feet will be installed only by the District and in accordance with the terms and conditions of an agreement between the applicant and the District.

#### **2. MAIN EXTENSIONS OF 1,000 FEET AND OVER IN LENGTH**

A water main extension of 1,000 feet and over in length shall be installed by the applicant in accordance with the terms and conditions of an agreement between the applicant and the District. However, a water main extension of 1,000 feet and over in length involving multiple applicants acting as individuals, or where a public agency is the applicant, may be installed by the District in accordance with the terms and conditions of an agreement between the applicants and the District.

When the District requires polyvinyl chloride (PVC) or high density polyethylene (HDPE) pipe materials for main extensions, the applicant shall supply, at its own expense, the pipe materials and fittings. The District will supply valves, valve pot covers, blowoffs and minor appurtenances at the applicant's expense. Materials to be supplied by the District will be detailed on the District prepared drawings and specifications. When the District requires main extensions of pipe materials other than PVC or HDPE, the District will supply the pipe materials and fittings, also at the applicant's expense. However, in those few instances when an applicant installation requires 20-inch or larger pipe, the District may permit the applicant to furnish the pipe.

The pipe material supplied by the applicant and the work performed must comply with the drawings and specifications furnished by the District and shall be subject to District inspection at all times. The applicant will be required to pay in advance the charges for any District supplied materials, engineering and inspection services, and related overhead. The applicant must also furnish, in form and with sureties acceptable to the District, a faithful performance bond, or other security acceptable to the District, a payment bond, and certificates of insurance. Upon completion of the installation in accordance with the agreement, and acceptance by the District, title to the extension shall be transferred to the District by the applicant.



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Water service shall not be provided by the extension of a water main where the meter(s) for the premises concerned will be located at an elevation of less than 100 feet below the overflow level of the reservoir supplying such main, except as provided in Sections 4.C.4 and 8-A.

Main extensions incorporating capacity for future customers in a region will be financed in part by System Capacity Charges. Such improvements will not be installed upon the request of one or more applicants to serve particular premises.

### **B. GENERAL PROVISIONS CONCERNING MAIN EXTENSIONS**

#### **1. General**

- a. The pipe specifications, point of commencement, and all other requirements for main extensions shall be determined by the District.
- b. All water main extensions shall be sized and located to meet estimated water service requirements of District customers, including projected water demands and fire flows.
- c. In cases where water quality is a concern, such as low water use that could potentially lead to high water age or incremental residence time, new water mains shall be sized to minimize water quality operations while meeting the estimated water service requirements, including projected water demands and, to the extent feasible, fire flows. The appropriate pipe material of new water mains shall also be evaluated in such cases.
- d. The appropriate pipe material to be used for new water mains shall also be evaluated for special circumstances, such as in steep terrain, narrow rights-of-way, potential landslide, liquefiable soil, corrosive soil areas, dead-end mains or creek, bridge, freeway, and railroad crossings where the use of conventional open-trench installation methods may not be feasible and/or where conventional installation methods may be cost prohibitive. Specific pipe material requirements for design of new water mains shall be in accordance with District Engineering Standards .
- e. A water main extension will not be permitted solely to supply a hydrant or private fire service unless it is determined by the District that such extension will not adversely affect the distribution system.

#### **2. Size of Water Mains**

- a. The minimum size of water mains shall be as follows:
  - In low- and medium-density residential areas, except as provided below, the minimum size shall be 6 inches. If water quality is a concern, as solely determined by the District, a 4-inch main extension shall be considered if estimated water service requirements and fire flow can be met. An applicant shall



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be charged for the size of the main extension needed to meet the water service requirements, including fire flow, for the project.

- In high-density residential, commercial, and industrial areas, and on long streets without side connections, such as on terraced hillsides, the minimum size shall be 8 inches. If water quality is a concern, as solely determined by the District, a 6-inch main extension shall be considered if estimated water service requirements and fire flow can be met. An applicant shall be charged for the size of the main extension needed to meet the water service requirements, including fire flow, for the project.
  - Four-inch main extension may be used in short cul-de-sacs, shallow side courts, or similar areas where all of the following conditions exist: (1) there is no possibility of further extensions or looping; (2) there are no required hydrants or potential for future hydrants; and (3) the service conditions provided in Section 2.b below can be met. An applicant shall be charged for the size of the main extension to be installed.
  - Two-inch pipe may be used in private driveways or roads where all the following conditions exist: (1) there are no more than three possible service connections; (2) there is no possibility of further extension or service connections; (3) there is no requirement for a fire hydrant; and (4) standard service is reasonably available from the extension to all premises to be served.
- b. New water mains shall be sized to meet the following water service requirements:
- Projected maximum day demand (MDD) with a residual pressure of at least 40 pounds per square inch (psi) in the main, where feasible;
  - Projected MDD plus the project's design fire flow with a residual pressure of at least 20 psi in the main and at existing service connections throughout the pressure zone;
  - Projected maximum pumping rate with the pressure not exceeding 140 psi at the nominal lower elevation of the pressure zone (equivalent to 300 feet below reservoir overflow elevation); and
  - Pressure fluctuation in the main limited to a maximum of 30 psi under normal operating extremes, not including fire flow.

Exception: Low-pressure service shall be governed by Section 8 and Section 8A of the Regulations Governing Water Service to Customers of EBMUD.



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- c. Main extensions, and replacements for service, shall be sized to provide capacity for the applicant and the potential future demand beyond that of the applicant. The applicant shall be charged only for the size of main required for the applicant's project as determined above.

### **3. Length and Location of Water Mains**

- a. To the extent practicable, water mains shall be located within the paved area of streets or roads..
- b. With the exception of the nonpotable water distribution system and to the extent practicable, the distribution system network shall consist of closed loops so each section of main can be fed from either end, dead ends shall be avoided, existing dead ends shall be eliminated, and areas with a large number of service connections shall have more than one feed. An applicant shall not be charged for the additional water main necessary to close a loop in the existing distribution system unless it is required to meet estimated water service requirements and/or minimize water quality operations. When a closed loop system is required for a new development project, the charge for these water mains shall be included in the applicant's water service estimate.
- c. For operational reasons, a water main 20 inches or larger, which has the primary purpose of transmission of water between major facilities and/or significant areas of the distribution system shall not be available for installation of service connections. Service shall be granted from a smaller parallel main extended from the nearest available main in the distribution system or from a turnout on the larger main at a location consistent with the orderly development of the distribution system grid in the vicinity of the applicant's premises. An applicant shall be charged for the parallel main extension required for service. If the existing larger main carries a front foot charge, the District shall reimburse the original applicant based on the front footage of the properties that shall be served by the smaller parallel main, provided that the front foot charge is payable.

Exceptions: Installation of a service connection on a 20-inch or larger water main which has the primary purpose of transmission of water between major facilities and/or significant areas of the distribution system may be considered (1) for an isolated service that can be interrupted for long periods, such as an irrigation service under a conditional service agreement, or (2) for an isolated service where the District determines that the installation of a smaller parallel water main would be impractical because an available main does not exist and the development of a distribution system to serve other properties in the vicinity is not anticipated in the foreseeable future.



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## **SECTION 4 MAIN EXTENSIONS**

d. A Separate parallel water mains may be required on each side of the traveled way in a streets or roads if the following conditions are met for a situation where one or more service laterals or hydrant laterals would be required on the opposite side of the existing water main:

1. The laterals cross with three or more traffic lanes in a heavily travelled way.
2. The laterals cross five or more traffic lanes under all other traffic conditions and curb parking, or with four or more traffic lanes,
3. The road is or which are divided or which contain a subsurface structure or facility interfering with the normal installation of a service lateral.

Note: The number of traffic lanes includes bicycle and curb parking.

~~In such cases, existing mains are available for service connections only to premises with frontage on the same side of the street or road.~~ An applicant shall be charged for a parallel main extension if it is required for service. The existing mains are available for service connections only to premises with frontage on the same side of the street or road.

### **C. EXCEPTIONS**

The preceding provisions shall not apply to main extensions under the following conditions:

1. Where the District finds that there is inadequate capacity in the existing system, in which case the applicant will be advised of the terms and conditions under which an extension may be installed.
2. If the construction of major facilities is required before service can be granted, in which case the conditions of Section 3-B shall govern.
3. If in the determination of the District the majority of adjacent premises fronting on the same street or road are already served by the District at locations other than the principal frontage without service agreements allowing for such non-standard service, a water main extension may not be required. The owner(s) of the premises shall agree in writing to the conditions of service, including relocation of the service and payment of any applicable costs, should standard service become available at the principal frontage. This agreement, which may include provisions of limited or low pressure service if applicable (see Section 8), shall be a covenant against the premises to be served and shall run with the land, and be recorded by the District.
4. Where unusual conditions exist, in which case the applicant will be advised of the terms and conditions under which an extension may be installed.



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## **SECTION 4 MAIN EXTENSIONS**

5. If in the determination of the District it is not in the best interests of the District to extend a water main with standard pressure and flow or to construct major facilities for a new pressure zone, the District may, in its sole discretion, authorize water service from a water main that is not adjacent to the principal frontage of the premises to be served. The following conditions must prevail in order for service to be authorized pursuant to this subsection:

- The project is for a small number of premises.
- The premises can be served from a water main in the immediately adjacent lower pressure zone, or higher pressure zone. Service from a higher pressure zone will be considered only if pressures to the premises are not too high.
- The District has determined that a standard distribution system to provide the premises with water service is not presently feasible.
- The proposed method of service has been reviewed and is recommended by the Manager of Water Distribution Planning and approved by the Director of Engineering and Construction.
- The applicant has agreed to all terms and conditions set forth in these Regulations with respect to Limited, Low-Pressure or High Pressure Services, if applicable.
- The applicant has agreed to all terms and conditions necessary to provide water service including, but not limited to, applicant installation and District inspection of pumping and/or storage facilities; restrictions on pumping capacity and operation; agreement to pay a proportionate share of the cost of installing flow control valves or other equipment necessary to provide service without adversely affecting the pressure and flow to existing customers; and acknowledgement that District may install flow restricting devices and/or terminate water service if the restrictions on pumping capacity and operation are exceeded.
- The applicant has agreed to pay a proportionate share of the cost of a main extension and the cost to relocate services in the event that a water main is installed immediately adjacent to the premises at some future date.
- Applicant has also agreed to notify subsequent owners of the premises of the conditional nature of the water service.
- The applicant has further agreed that the location of the water service connection shall be subject to District approval and shall not be located in the traveled way of private roads or driveways and shall be readily accessible for purposes of meter reading and routine maintenance.



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- The applicant has provided written evidence of the following:
  - a. Satisfaction of all requirements applied to the development by the fire protection agency;
  - b. Evidence that local agencies responsible for issuance of building and occupancy permits have been fully informed of the nature and conditions of water service to the development;
  - c. Acquisition of all necessary property rights as determined by the District.

For purposes of this subsection, “feasible” shall mean that the District has determined that standard water service configurations under these Regulations are not economical due to the costs of operating and maintaining the water service facilities in relation to the small number of premises to be served. In making this determination, factors to be considered by the District include, but are not limited to: (a) the projected revenue from new services in the development as compared to the costs of operating and maintaining water service facilities that would otherwise be required to serve the development and (b) the anticipated additional costs that would be incurred by the District to maintain water quality in such water service facilities.

6. In certain unusual circumstances as solely determined by the District, a water main extension may not be required and the premises may be served at a location other than the principal frontage, provided that:
  - The premises fronts on an existing main of adequate flow and pressure, but is separated from the main by a strip of land used solely for landscaping purposes that is owned by a third party, that has been determined by the District to be unsuitable for development, and across which the applicant has an easement for service and no other utility easement is reasonably available;
  - The applicant meets the requirements for a conditional service and agrees in writing to the conditions of such service as set forth in Section 3; and
  - The District has determined that a main extension is not desirable because of geotechnical factors or not necessary to facilitate system operation.

### **D. FRONT FOOT CHARGES AND REFUNDS**

#### **1. FRONT FOOT CHARGES**

The District will collect a front foot charge, where applicable, before granting a standard service or a private fire service to premises which lie along and may be served directly from any main extension installed under the provisions of this regulation or financed by the District. The front foot charge for a main extension shall be in effect for a period of twenty years from (1) the date of execution of the contract if the extension is financed by an



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## **SECTION 4 MAIN EXTENSIONS**

applicant, or (2) the date of the official completion of the extension if financed by the District.

The front foot charge shall not be applied more than once to any premises. Except for unusual conditions, premises already served at the date of installation of the extension will be excluded in determining the front foot charge. Unusual conditions include, but are not limited to, premises served under a special service agreement, premises for which relocation of the service connection to the extension is requested, and premises already served but later subdivided requiring additional service connections.

Whether a main extension is installed by an applicant or by the District, the front foot charge will be determined by dividing the charge for the extension by the front footage of all premises which lie along and may be served directly from the extension. When installed by the applicant, the charge for the extension for purposes of determining the front foot charge shall be computed as if installed by the District.

To equitably distribute extension costs to the premises served from the extension, when a premises has an average lot width with more than a nominal difference when compared to the principal frontage, such as on road curves and cul-de-sacs, the average lot width, as determined by the District, shall be the front footage for that premises. The District may also include, in determining the charge, premises which do not have principal frontage on the extension but will have service connections on the extension under special service agreement.

### **2. FRONT FOOT CHARGE REFUNDS**

The applicant who has financed a main extension (or the applicant's assignees) is entitled to the front foot charges collected by the District for permitting the connection of a standard service or a private fire service to such extension. The amounts collected will be refunded without interest within 90 days following the date of collection.

No front foot charge refunds will be made after twenty years from the date of execution of the contract for an applicant-financed extension except those refunds which have accrued during such twenty-year period. The terms of this refund provision shall apply to all water mains installed under contracts executed on or after April 1, 1955.

The total amount of all refunds made by the District to the applicant (or the applicant's assignees) may not exceed the installation charge for the main used to compute the front foot charge.





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## **SECTION 4 MAIN EXTENSIONS**

### **A. EXTENDING MAINS**

In general, whenever extension of a water main within the District boundaries is required because a principal part of the premises to be served does not lie along an available water main with adequate flow and pressure, the extension will be installed after an agreement has been executed by the applicant and the District for payment by applicant of all applicable charges. The manner of determining the charges is set forth in this section and is based on the policy of the District that applicants for water service shall pay the full cost of facilities required to provide the service. The charges shall be as described in the Schedule of Rates and Charges.

#### **1. MAIN EXTENSIONS LESS THAN 1,000 FEET IN LENGTH**

A water main extension of less than 1,000 feet will be installed only by the District and in accordance with the terms and conditions of an agreement between the applicant and the District.

#### **2. MAIN EXTENSIONS OF 1,000 FEET AND OVER IN LENGTH**

A water main extension of 1,000 feet and over in length shall be installed by the applicant in accordance with the terms and conditions of an agreement between the applicant and the District. However, a water main extension of 1,000 feet and over in length involving multiple applicants acting as individuals, or where a public agency is the applicant, may be installed by the District in accordance with the terms and conditions of an agreement between the applicants and the District.

When the District requires polyvinyl chloride (PVC) or high density polyethylene (HDPE) pipe materials for main extensions, the applicant shall supply, at its own expense, the pipe materials and fittings. The District will supply valves, valve pot covers, blowoffs and minor appurtenances at the applicant's expense. Materials to be supplied by the District will be detailed on the District prepared drawings and specifications. When the District requires main extensions of pipe materials other than PVC or HDPE, the District will supply the pipe materials and fittings, also at the applicant's expense. However, in those few instances when an applicant installation requires 20-inch or larger pipe, the District may permit the applicant to furnish the pipe.

The pipe material supplied by the applicant and the work performed must comply with the drawings and specifications furnished by the District and shall be subject to District inspection at all times. The applicant will be required to pay in advance the charges for any District supplied materials, engineering and inspection services, and related overhead. The applicant must also furnish, in form and with sureties acceptable to the District, a faithful performance bond, or other security acceptable to the District, a payment bond, and certificates of insurance. Upon completion of the installation in accordance with the agreement, and acceptance by the District, title to the extension shall be transferred to the District by the applicant.



# **REGULATIONS GOVERNING WATER SERVICE TO CUSTOMERS OF THE EAST BAY MUNICIPAL UTILITY DISTRICT**

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## **SECTION 4 MAIN EXTENSIONS**

Water service shall not be provided by the extension of a water main where the meter(s) for the premises concerned will be located at an elevation of less than 100 feet below the overflow level of the reservoir supplying such main, except as provided in Sections 4.C.4 and 8-A.

Main extensions incorporating capacity for future customers in a region will be financed in part by System Capacity Charges. Such improvements will not be installed upon the request of one or more applicants to serve particular premises.

### **B. GENERAL PROVISIONS CONCERNING MAIN EXTENSIONS**

#### **1. General**

- a. The pipe specifications, point of commencement, and all other requirements for main extensions shall be determined by the District.
- b. All water main extensions shall be sized and located to meet estimated water service requirements of District customers, including projected water demands and fire flows.
- c. In cases where water quality is a concern, such as low water use that could potentially lead to high water age or incremental residence time, new water mains shall be sized to minimize water quality operations while meeting the estimated water service requirements, including projected water demands and, to the extent feasible, fire flows. The appropriate pipe material of new water mains shall also be evaluated in such cases.
- d. The appropriate pipe material to be used for new water mains shall also be evaluated for special circumstances, such as in steep terrain, narrow rights-of-way, potential landslide, liquefiable soil, corrosive soil areas, dead-end mains or creek, bridge, freeway, and railroad crossings where the use of conventional open-trench installation methods may not be feasible and/or where conventional installation methods may be cost prohibitive. Specific pipe material requirements for design of new water mains shall be in accordance with District Engineering Standards .
- e. A water main extension will not be permitted solely to supply a hydrant or private fire service unless it is determined by the District that such extension will not adversely affect the distribution system.

#### **2. Size of Water Mains**

- a. The minimum size of water mains shall be as follows:
  - In low- and medium-density residential areas, except as provided below, the minimum size shall be 6 inches. If water quality is a concern, as solely determined by the District, a 4-inch main extension shall be considered if estimated water service requirements and fire flow can be met. An applicant shall





# **REGULATIONS GOVERNING WATER SERVICE TO CUSTOMERS OF THE EAST BAY MUNICIPAL UTILITY DISTRICT**

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## **SECTION 4 MAIN EXTENSIONS**

be charged for the size of the main extension needed to meet the water service requirements, including fire flow, for the project.

- In high-density residential, commercial, and industrial areas, and on long streets without side connections, such as on terraced hillsides, the minimum size shall be 8 inches. If water quality is a concern, as solely determined by the District, a 6-inch main extension shall be considered if estimated water service requirements and fire flow can be met. An applicant shall be charged for the size of the main extension needed to meet the water service requirements, including fire flow, for the project.
  - Four-inch main extension may be used in short cul-de-sacs, shallow side courts, or similar areas where all of the following conditions exist: (1) there is no possibility of further extensions or looping; (2) there are no required hydrants or potential for future hydrants; and (3) the service conditions provided in Section 2.b below can be met. An applicant shall be charged for the size of the main extension to be installed.
  - Two-inch pipe may be used in private driveways or roads where all the following conditions exist: (1) there are no more than three possible service connections; (2) there is no possibility of further extension or service connections; (3) there is no requirement for a fire hydrant; and (4) standard service is reasonably available from the extension to all premises to be served.
- b. New water mains shall be sized to meet the following water service requirements:
- Projected maximum day demand (MDD) with a residual pressure of at least 40 pounds per square inch (psi) in the main, where feasible;
  - Projected MDD plus the project's design fire flow with a residual pressure of at least 20 psi in the main and at existing service connections throughout the pressure zone;
  - Projected maximum pumping rate with the pressure not exceeding 140 psi at the nominal lower elevation of the pressure zone (equivalent to 300 feet below reservoir overflow elevation); and
  - Pressure fluctuation in the main limited to a maximum of 30 psi under normal operating extremes, not including fire flow.

Exception: Low-pressure service shall be governed by Section 8 and Section 8A of the Regulations Governing Water Service to Customers of EBMUD.



# **REGULATIONS GOVERNING WATER SERVICE TO CUSTOMERS OF THE EAST BAY MUNICIPAL UTILITY DISTRICT**

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## **SECTION 4 MAIN EXTENSIONS**

- c. Main extensions, and replacements for service, shall be sized to provide capacity for the applicant and the potential future demand beyond that of the applicant. The applicant shall be charged only for the size of main required for the applicant's project as determined above.

### **3. Length and Location of Water Mains**

- a. To the extent practicable, water mains shall be located within the paved area of streets or roads..
- b. With the exception of the nonpotable water distribution system and to the extent practicable, the distribution system network shall consist of closed loops so each section of main can be fed from either end, dead ends shall be avoided, existing dead ends shall be eliminated, and areas with a large number of service connections shall have more than one feed. An applicant shall not be charged for the additional water main necessary to close a loop in the existing distribution system unless it is required to meet estimated water service requirements and/or minimize water quality operations. When a closed loop system is required for a new development project, the charge for these water mains shall be included in the applicant's water service estimate.
- c. For operational reasons, a water main 20 inches or larger, which has the primary purpose of transmission of water between major facilities and/or significant areas of the distribution system shall not be available for installation of service connections. Service shall be granted from a smaller parallel main extended from the nearest available main in the distribution system or from a turnout on the larger main at a location consistent with the orderly development of the distribution system grid in the vicinity of the applicant's premises. An applicant shall be charged for the parallel main extension required for service. If the existing larger main carries a front foot charge, the District shall reimburse the original applicant based on the front footage of the properties that shall be served by the smaller parallel main, provided that the front foot charge is payable.

Exceptions: Installation of a service connection on a 20-inch or larger water main which has the primary purpose of transmission of water between major facilities and/or significant areas of the distribution system may be considered (1) for an isolated service that can be interrupted for long periods, such as an irrigation service under a conditional service agreement, or (2) for an isolated service where the District determines that the installation of a smaller parallel water main would be impractical because an available main does not exist and the development of a distribution system to serve other properties in the vicinity is not anticipated in the foreseeable future.



# **REGULATIONS GOVERNING WATER SERVICE TO CUSTOMERS OF THE EAST BAY MUNICIPAL UTILITY DISTRICT**

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## **SECTION 4 MAIN EXTENSIONS**

- d. A separate parallel water main may be required in a street or road if the following conditions are met for a situation where one or more service laterals or hydrant laterals would be required on the opposite side of the existing water main:
1. The laterals cross three or more traffic lanes in a heavily travelled way.
  2. The laterals cross five or more traffic lanes under all other traffic conditions.
  3. The road is divided or contain a subsurface structure or facility interfering with the normal installation of a service lateral.

Note: The number of traffic lanes includes bicycle and curb parking.

An applicant shall be charged for a parallel main extension if it is required for service. The existing mains are available for service connections only to premises with frontage on the same side of the street or road.

### **C. EXCEPTIONS**

The preceding provisions shall not apply to main extensions under the following conditions:

1. Where the District finds that there is inadequate capacity in the existing system, in which case the applicant will be advised of the terms and conditions under which an extension may be installed.
2. If the construction of major facilities is required before service can be granted, in which case the conditions of Section 3-B shall govern.
3. If in the determination of the District the majority of adjacent premises fronting on the same street or road are already served by the District at locations other than the principal frontage without service agreements allowing for such non-standard service, a water main extension may not be required. The owner(s) of the premises shall agree in writing to the conditions of service, including relocation of the service and payment of any applicable costs, should standard service become available at the principal frontage. This agreement, which may include provisions of limited or low pressure service if applicable (see Section 8), shall be a covenant against the premises to be served and shall run with the land, and be recorded by the District.
4. Where unusual conditions exist, in which case the applicant will be advised of the terms and conditions under which an extension may be installed.
5. If in the determination of the District it is not in the best interests of the District to extend a water main with standard pressure and flow or to construct major facilities for a new pressure zone, the District may, in its sole discretion, authorize water service from a water



# **REGULATIONS GOVERNING WATER SERVICE TO CUSTOMERS OF THE EAST BAY MUNICIPAL UTILITY DISTRICT**

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## **SECTION 4 MAIN EXTENSIONS**

main that is not adjacent to the principal frontage of the premises to be served. The following conditions must prevail in order for service to be authorized pursuant to this subsection:

- The project is for a small number of premises.
- The premises can be served from a water main in the immediately adjacent lower pressure zone, or higher pressure zone. Service from a higher pressure zone will be considered only if pressures to the premises are not too high.
- The District has determined that a standard distribution system to provide the premises with water service is not presently feasible.
- The proposed method of service has been reviewed and is recommended by the Manager of Water Distribution Planning and approved by the Director of Engineering and Construction.
- The applicant has agreed to all terms and conditions set forth in these Regulations with respect to Limited, Low-Pressure or High Pressure Services, if applicable.
- The applicant has agreed to all terms and conditions necessary to provide water service including, but not limited to, applicant installation and District inspection of pumping and/or storage facilities; restrictions on pumping capacity and operation; agreement to pay a proportionate share of the cost of installing flow control valves or other equipment necessary to provide service without adversely affecting the pressure and flow to existing customers; and acknowledgement that District may install flow restricting devices and/or terminate water service if the restrictions on pumping capacity and operation are exceeded.
- The applicant has agreed to pay a proportionate share of the cost of a main extension and the cost to relocate services in the event that a water main is installed immediately adjacent to the premises at some future date.
- Applicant has also agreed to notify subsequent owners of the premises of the conditional nature of the water service.
- The applicant has further agreed that the location of the water service connection shall be subject to District approval and shall not be located in the traveled way of private roads or driveways and shall be readily accessible for purposes of meter reading and routine maintenance.
- The applicant has provided written evidence of the following:
  - a. Satisfaction of all requirements applied to the development by the fire protection agency;



# **REGULATIONS GOVERNING WATER SERVICE TO CUSTOMERS OF THE EAST BAY MUNICIPAL UTILITY DISTRICT**

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## **SECTION 4 MAIN EXTENSIONS**

- b. Evidence that local agencies responsible for issuance of building and occupancy permits have been fully informed of the nature and conditions of water service to the development;
- c. Acquisition of all necessary property rights as determined by the District.

For purposes of this subsection, “feasible” shall mean that the District has determined that standard water service configurations under these Regulations are not economical due to the costs of operating and maintaining the water service facilities in relation to the small number of premises to be served. In making this determination, factors to be considered by the District include, but are not limited to: (a) the projected revenue from new services in the development as compared to the costs of operating and maintaining water service facilities that would otherwise be required to serve the development and (b) the anticipated additional costs that would be incurred by the District to maintain water quality in such water service facilities.

- 6. In certain unusual circumstances as solely determined by the District, a water main extension may not be required and the premises may be served at a location other than the principal frontage, provided that:
  - The premises fronts on an existing main of adequate flow and pressure, but is separated from the main by a strip of land used solely for landscaping purposes that is owned by a third party, that has been determined by the District to be unsuitable for development, and across which the applicant has an easement for service and no other utility easement is reasonably available;
  - The applicant meets the requirements for a conditional service and agrees in writing to the conditions of such service as set forth in Section 3; and
  - The District has determined that a main extension is not desirable because of geotechnical factors or not necessary to facilitate system operation.

## **D. FRONT FOOT CHARGES AND REFUNDS**

### **1. FRONT FOOT CHARGES**

The District will collect a front foot charge, where applicable, before granting a standard service or a private fire service to premises which lie along and may be served directly from any main extension installed under the provisions of this regulation or financed by the District. The front foot charge for a main extension shall be in effect for a period of twenty years from (1) the date of execution of the contract if the extension is financed by an applicant, or (2) the date of the official completion of the extension if financed by the District.



# **REGULATIONS GOVERNING WATER SERVICE TO CUSTOMERS OF THE EAST BAY MUNICIPAL UTILITY DISTRICT**

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## **SECTION 4 MAIN EXTENSIONS**

The front foot charge shall not be applied more than once to any premises. Except for unusual conditions, premises already served at the date of installation of the extension will be excluded in determining the front foot charge. Unusual conditions include, but are not limited to, premises served under a special service agreement, premises for which relocation of the service connection to the extension is requested, and premises already served but later subdivided requiring additional service connections.

Whether a main extension is installed by an applicant or by the District, the front foot charge will be determined by dividing the charge for the extension by the front footage of all premises which lie along and may be served directly from the extension. When installed by the applicant, the charge for the extension for purposes of determining the front foot charge shall be computed as if installed by the District.

To equitably distribute extension costs to the premises served from the extension, when a premises has an average lot width with more than a nominal difference when compared to the principal frontage, such as on road curves and cul-de-sacs, the average lot width, as determined by the District, shall be the front footage for that premises. The District may also include, in determining the charge, premises which do not have principal frontage on the extension but will have service connections on the extension under special service agreement.

### **2. FRONT FOOT CHARGE REFUNDS**

The applicant who has financed a main extension (or the applicant's assignees) is entitled to the front foot charges collected by the District for permitting the connection of a standard service or a private fire service to such extension. The amounts collected will be refunded without interest within 90 days following the date of collection.

No front foot charge refunds will be made after twenty years from the date of execution of the contract for an applicant-financed extension except those refunds which have accrued during such twenty-year period. The terms of this refund provision shall apply to all water mains installed under contracts executed on or after April 1, 1955.

The total amount of all refunds made by the District to the applicant (or the applicant's assignees) may not exceed the installation charge for the main used to compute the front foot charge.

## Section 17

Change in Use and/or Size of Service

FY 2026





# **REGULATIONS GOVERNING WATER SERVICE TO CUSTOMERS OF THE EAST BAY MUNICIPAL UTILITY DISTRICT**

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## **SECTION 17 CHANGE IN USE AND/OR SIZE OF SERVICE**

An installation charge and resulting increase of the System Capacity Charge, as provided in the Schedule of Rates and Charges will be required when a customer applies for a change in use, increase in size, or change in location of an existing service connection.

Changes in the use of a service or increased usage on an existing service for a premises and corresponding System Capacity Charge are subject to the following provisions:

### **A. INCREASE OR CHANGE IN USE:**

Before new water using features or equipment (e.g. cooling towers, additions to existing structures, industrial processes, buildings, etc.) are added to a premises or the use of water using features or equipment on a premises increases or changes, the customer must submit a water service application along with supporting water use data for the District to conduct a water service assessment. The District shall review the application to make the following determinations:

1. Whether a new meter is required to accommodate increased water use;
2. The amount of any associated System Capacity Charge resulting from the increase and/or change in use, regardless of the size of the meter.

When the water service assessment indicates a change in use will occur, the District may determine an increase in meter size, lateral(s), or water main(s) is necessary to provide adequate water service to the premises. If the District determines that changes in meter size, lateral(s), or water main(s) are necessary to provide adequate water service to the premises, the customer shall pay any resulting charges as set forth in the Schedule of Rates and Charges. Where an existing meter larger than 1-1/2 inches sufficiently meets the demand of a proposed increase and/or change in use, the District will determine the increase in the estimated annual average water usage for the premises, and will require payment of an additional System Capacity Charge for the increased usage as provided in the Schedule of Rates and Charges. For an increase or change in water use caused by the creation of an Accessory Dwelling Unit or Junior Accessory Dwelling Unit on a premises, connection fees and capacity charges will be imposed only as authorized by [Chapter 13 of Division 1 of Title 7 of the California Government Code](#)~~Government Code Sections 65852.2 and 65852.22.~~

Failure to report an increase and/or change in water use may result in District investigation to determine compliance with these Regulations. If the District determines that changes in the meter size, lateral(s), or water main(s) are necessary to provide adequate water service to the premises and/or that payment of additional System Capacity Charges is required, but the customer refuses to initiate a water service application and/or pay resulting charges set forth in the Schedule of Rates and Charges, the District will take further actions to address noncompliance with these Regulations which may include installation of a flow restriction device and/or discontinuation of service.





# **REGULATIONS GOVERNING WATER SERVICE TO CUSTOMERS OF THE EAST BAY MUNICIPAL UTILITY DISTRICT**

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## **SECTION 17 CHANGE IN USE AND/OR SIZE OF SERVICE**

### **B. REQUESTED REDUCTION IN SIZE OF SERVICE**

A requested change to a smaller size service must be approved by the District and will be made after the applicant has paid the installation charges as set forth in the Schedule of Rates and Charges. No System Capacity Charges will be assessed for reduction in size of service. The owner shall not be entitled to a refund of any portion of a System Capacity Charge paid for the original larger meter.

### **C. REQUESTED INCREASE IN SIZE OF SERVICE**

A requested increase in the size of a service must be approved by the District and will be made by the District after the applicant has paid the installation charges and the resulting increase in the System Capacity Charge set forth in the Schedule of Rates and Charges. The increase in the System Capacity Charge resulting from an increase in the size of a service equal to the difference between the System Capacity Charges applicable to the new service size as set forth in the Schedule of Rates and Charges.

### **D. REQUESTED REPLACEMENT OR RELOCATION OF SERVICE LARGER THAN 1-1/2 INCHES**

A requested relocation of any meter larger than 1½ inches or replacement of any meter larger than 1-1/2 inches with a meter of equivalent size must be approved by the District and will be made by the District after the applicant has paid the installation charges. If the meter relocation or replacement is in support of improvements to existing structures and/or new construction, the District will determine if the changes will result in an increase in the estimated annual average water usage for the premises, and will require payment of an additional System Capacity Charge for the increased usage as provided in the Schedule of Rates and Charges. The owner shall not be entitled to a refund of any portion of a System Capacity Charge paid for the original meter based on a resultant reduction in the water usage resulting from the changes.

A change in size of service which involves a change in location will only be approved by the District subject to the provisions of Section 18 and payment of the applicable relocation cost.

An installation charge, as provided in the Schedule of Rates and Charges, will be required when a customer applies for a change in type, increase in size, or change in location of an existing service connection.



# **REGULATIONS GOVERNING WATER SERVICE TO CUSTOMERS OF THE EAST BAY MUNICIPAL UTILITY DISTRICT**

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## **SECTION 17 CHANGE IN USE AND/OR SIZE OF SERVICE**

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Changes in the use of a service or increased usage on an existing service for a premises and corresponding System Capacity Charge are subject to the following provisions:

### **A. INCREASE OR CHANGE IN USE:**

Before new water using features or equipment (e.g. cooling towers, additions to existing structures, industrial processes, buildings, etc.) are added to a premises or the use of water using features or equipment on a premises increases or changes, the customer must submit a water service application along with supporting water use data for the District to conduct a water service assessment. The District shall review the application to make the following determinations:

1. Whether a new meter is required to accommodate increased water use;
2. The amount of any associated System Capacity Charge resulting from the increase and/or change in use, regardless of the size of the meter.

When the water service assessment indicates a change in use will occur, the District may determine an increase in meter size, lateral(s), or water main(s) is necessary to provide adequate water service to the premises. If the District determines that changes in meter size, lateral(s), or water main(s) are necessary to provide adequate water service to the premises, the customer shall pay any resulting charges as set forth in the Schedule of Rates and Charges. Where an existing meter larger than 1-1/2 inches sufficiently meets the demand of a proposed increase and/or change in use, the District will determine the increase in the estimated annual average water usage for the premises, and will require payment of an additional System Capacity Charge for the increased usage as provided in the Schedule of Rates and Charges. For an increase or change in water use caused by the creation of an Accessory Dwelling Unit or Junior Accessory Dwelling Unit on a premises, connection fees and capacity charges will be imposed only as authorized by Chapter 13 of Division 1 of Title 7 of the California Government Code.

Failure to report an increase and/or change in water use may result in District investigation to determine compliance with these Regulations. If the District determines that changes in the meter size, lateral(s), or water main(s) are necessary to provide adequate water service to the premises and/or that payment of additional System Capacity Charges is required, but the customer refuses to initiate a water service application and/or pay resulting charges set forth in the Schedule of Rates and Charges, the District will take further actions to address noncompliance with these Regulations which may include installation of a flow restriction device and/or discontinuation of service.



# **REGULATIONS GOVERNING WATER SERVICE**

## **TO CUSTOMERS OF THE EAST BAY MUNICIPAL UTILITY DISTRICT**

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### **SECTION 17**

#### **CHANGE IN USE AND/OR SIZE OF SERVICE**

##### **B. REQUESTED REDUCTION IN SIZE OF SERVICE**

A requested change to a smaller size service must be approved by the District and will be made after the applicant has paid the installation charges as set forth in the Schedule of Rates and Charges. No System Capacity Charges will be assessed for reduction in size of service. The owner shall not be entitled to a refund of any portion of a System Capacity Charge paid for the original larger meter.

##### **C. REQUESTED INCREASE IN SIZE OF SERVICE**

A requested increase in the size of a service must be approved by the District and will be made by the District after the applicant has paid the installation charges and the resulting increase in the System Capacity Charge set forth in the Schedule of Rates and Charges. The increase in the System Capacity Charge resulting from an increase in the size of a service equal to the difference between the System Capacity Charges applicable to the new service size as set forth in the Schedule of Rates and Charges.

##### **D. REQUESTED REPLACEMENT OR RELOCATION OF SERVICE LARGER THAN 1-1/2 INCHES**

A requested relocation of any meter larger than 1½ inches or replacement of any meter larger than 1-1/2 inches with a meter of equivalent size must be approved by the District and will be made by the District after the applicant has paid the installation charges. If the meter relocation or replacement is in support of improvements to existing structures and/or new construction, the District will determine if the changes will result in an increase in the estimated annual average water usage for the premises, and will require payment of an additional System Capacity Charge for the increased usage as provided in the Schedule of Rates and Charges. The owner shall not be entitled to a refund of any portion of a System Capacity Charge paid for the original meter based on a resultant reduction in the water usage resulting from the changes.

A change in size of service which involves a change in location will only be approved by the District subject to the provisions of Section 18 and payment of the applicable relocation cost.

An installation charge, as provided in the Schedule of Rates and Charges, will be required when a customer applies for a change in type, increase in size, or change in location of an existing service connection.

## Section 26

### Protection of Public Water Supply

FY 2026



# REGULATIONS GOVERNING WATER SERVICE TO CUSTOMERS OF THE EAST BAY MUNICIPAL UTILITY DISTRICT

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## SECTION 26 PROTECTION OF PUBLIC WATER SUPPLY

In making plumbing connections, the customer is required to comply with Public Law 99-339 - The Safe Drinking Water Act Amendments of 1986, and the California ~~Code of Regulations Title 17--Public Health~~ [State Water Resource Control Board's Cross-Connection Control Policy Handbook \(CCCPH\)](#). The water purveyor has the primary responsibility for protecting the public water supply from contamination by implementation of a cross-connection [control](#) program.

Such regulations prohibit:

- unprotected cross-connections between [multiple domestic supplies](#), a domestic water supply and any auxiliary water supply, or between a potable water supply and a nonpotable water supply;
- water service to a premises where there is a probability that a pollutant, contaminant, ~~system~~ or plumbing hazard may be created;
- water service where materials dangerous to health or toxic substances in toxic concentrations are handled; or
- water service where the water system is unstable and cross-connections may be installed or reinstalled.

Accordingly, the District requires the installation of [a backflow preventer or other prevention devices](#) ~~methods~~ under [any of](#) the following conditions:

- where another source of water, including recycled water, whether cross-connected or not, is in use or is available for use; ~~or~~
- ~~where contaminated liquid or soluble substances of any kind are used, produced or processed;~~ [or-](#)
- [where cross-connection hazards are identified.](#)

Where a backflow ~~device~~ [preventer](#) or other ~~protective devices are~~ [prevention method is](#) used as a protection to the customer's plumbing system, a suitable pressure relief valve must be installed and maintained by the customer at the customer's expense. The relief valve shall be installed between the backflow ~~device~~ [preventer](#) and the water heater.

[When necessary](#) ~~In special cases~~, the District may require the customer to eliminate certain plumbing or piping connections as an additional precaution to prevent backflow.

The California ~~Code of Regulations Title 17~~ [State Water Resource Control Board's CCCPH](#) requires the water purveyor to any premises on or for which [a backflow prevention devices or other protective devices are](#) [preventer is](#) installed to ~~assure~~ [ensure](#) that adequate maintenance and periodic testing are provided by the water ~~user~~ [customer](#) to ~~ensure~~ [guarantee](#) proper operation ~~of these devices~~; [According to the CCCPH, backflow preventers and also requires that these devices](#) [airgaps must](#) be [inspected and tested](#) ~~for water tightness and reliability~~ at least once per year or more frequently if determined to be



# REGULATIONS GOVERNING WATER SERVICE TO CUSTOMERS OF THE EAST BAY MUNICIPAL UTILITY DISTRICT

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## SECTION 26 PROTECTION OF PUBLIC WATER SUPPLY

necessary by the water purveyor. Backflow ~~prevention devices~~preventers must be tested by persons who have demonstrated competency ~~in testing of these devices~~ to the water purveyor or health agency. Accordingly, the District will establish a list of contractors who have demonstrated competency in the testing of backflow ~~prevention devices~~preventers, and a list of approved ~~devices~~preventers that have passed laboratory and field evaluation tests performed by a ~~DOHS recognized~~ testing organization that is recognized by the State Water Resource Control Board.

~~Double-check valve~~ Backflow preventers and ~~other protective devices~~airgaps may be inspected and tested ~~for water tightness~~ by the District. If the inspection cannot be made without undue difficulty because of an obstruction or other interference, the customer will be notified and required to either correct the condition or have the inspection made at the customer's own expense and witnessed by the District.

Installation costs and the annual testing and maintenance of ~~commercial backflow devices and residential backflow devices when a Reduced Pressure Principle Backflow Device (RP) is required~~ preventers shall be performed by a certified tester contracted by the ~~consumer~~customer at the customer's expense. ~~A copy of the tester's certification~~ Passing test reports must be received by EBMUD's Backflow Prevention Group annually for continued water service. ~~A copy of the tester's certification~~

After July 1, 2025, District-owned backflow preventers on residential services shall ~~be forwarded to no longer be installed, tested, or repaired at the District's~~ Backflow Unit. ~~expense. Any backflow preventers required to be installed, tested, or maintained must be performed by the customer at the customer's expense.~~

Service ~~to~~for any ~~commercial~~ premises may be discontinued if it is found that dangerous or unprotected cross-connections exist, or if ~~any defect is found in the backflow or other protective devices~~ the regulatory requirements are not met. Service will not be restored until such defects are corrected at the customer's expense and applicable District restoration charges have been paid.

~~Installation, testing and maintenance of double-check valve backflow devices for single-family premises where a residential well exists (conforming single-family premises) shall be performed by the District, at its expense, during normal working hours. Service for any residential premise may be discontinued if it is found that dangerous or unprotected cross-connections exist.~~



**SECTION 26**  
**PROTECTION OF PUBLIC WATER SUPPLY**

In making plumbing connections, the customer is required to comply with Public Law 99-339 - The Safe Drinking Water Act Amendments of 1986, and the California State Water Resource Control Board's Cross-Connection Control Policy Handbook (CCCPH). The water purveyor has the primary responsibility for protecting the public water supply from contamination by implementation of a cross-connection control program.

Such regulations prohibit:

- unprotected cross-connections between multiple domestic supplies, a domestic water supply and any auxiliary water supply, or between a potable water supply and a nonpotable water supply;
- water service to a premises where there is a probability that a pollutant, contaminant, or plumbing hazard may be created;
- water service where materials dangerous to health or toxic substances in toxic concentrations are handled; or
- water service where the water system is unstable and cross-connections may be installed or reinstalled.

Accordingly, the District requires the installation of a backflow preventer or other prevention methods under any of the following conditions:

- where another source of water, including recycled water, whether cross-connected or not, is in use or is available for use;
- where contaminated liquid or soluble substances of any kind are used, produced or processed; or
- where cross-connection hazards are identified.

Where a backflow preventer or other prevention method is used as a protection to the customer's plumbing system, a suitable pressure relief valve must be installed and maintained by the customer at the customer's expense. The relief valve shall be installed between the backflow preventer and the water heater.

When necessary, the District may require the customer to eliminate certain plumbing or piping connections as an additional precaution to prevent backflow.

The California State Water Resource Control Board's CCCPH requires the water purveyor to any premises on or for which a backflow preventer is installed to ensure that adequate maintenance and periodic testing are provided by the water customer to guarantee proper operation. According to the CCCPH, backflow preventers and airgaps must be inspected and tested at least once per year or more frequently if determined to be necessary by the water purveyor. Backflow preventers must be tested by persons who have demonstrated competency to the water purveyor or health agency. Accordingly, the





# **REGULATIONS GOVERNING WATER SERVICE TO CUSTOMERS OF THE EAST BAY MUNICIPAL UTILITY DISTRICT**

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## **SECTION 26 PROTECTION OF PUBLIC WATER SUPPLY**

District will establish a list of contractors who have demonstrated competency in the testing of backflow preventers, and a list of approved preventers that have passed laboratory and field evaluation tests performed by a testing organization that is recognized by the State Water Resource Control Board.

Backflow preventers and airgaps may be inspected and tested by the District. If the inspection cannot be made without undue difficulty because of an obstruction or other interference, the customer will be notified and required to either correct the condition or have the inspection made at the customer's own expense and witnessed by the District.

Installation costs and the annual testing and maintenance of backflow preventers shall be performed by a certified tester contracted by the customer at the customer's expense. Passing test reports must be received by EBMUD's Backflow Prevention Group annually for continued water service.

After July 1, 2025, District-owned backflow preventers on residential services shall no longer be installed, tested, or repaired at the District's expense. Any backflow preventers required to be installed, tested, or maintained must be performed by the customer at the customer's expense.

Service for any premises may be discontinued if it is found that dangerous or unprotected cross-connections exist or if the regulatory requirements are not met. Service will not be restored until such defects are corrected at the customer's expense and applicable District restoration charges have been paid.



Section 30

Recycled Water Service

FY 2026



# REGULATIONS GOVERNING WATER SERVICE TO CUSTOMERS OF THE EAST BAY MUNICIPAL UTILITY DISTRICT

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## SECTION 30

### RECYCLED ~~NONPOTABLE~~ WATER SERVICE

#### A. SCOPE OF REGULATION

The State Legislature has determined that use of potable water for certain nonpotable uses is a waste or unreasonable use of water if recycled water is available which meets the conditions specified in California Water Code section 13550, et seq. District Policy 9.05 requires that customers of the District use recycled water for nonpotable uses when it is of adequate quality and quantity, available at reasonable cost, not detrimental to public health, and not injurious to plant life, fish, and wildlife. This Regulation governs the following: the purposes for which the District may require the use of recycled water; the manner in which the District determines whether to require recycled water use in a given case; and the rights and obligations of an applicant for water service or an existing District customer affected by the District's determination.

This Regulation does not govern the provision or use of untreated nonpotable water (also known as raw water). The District may agree to provide raw water, where available, for nonpotable use on a case-by-case basis pursuant to contractual terms and conditions. ~~In furtherance of District Policy No. 9.05, these regulations identify the types of water uses for which nonpotable water is appropriate; the factors considered in determining the feasibility of nonpotable water service; and the procedure for notifying to applicants and customers that nonpotable water use is required.~~

#### B. DEFINITIONS

The following terms, when used in this Regulation, shall have the meanings given below.

~~Feasible. For purposes of this section, nonpotable water service shall be feasible if the District at its sole discretion determines that:~~

- ~~• Nonpotable water may be furnished for the intended use at a reasonable cost to the customer and District.~~
- ~~• Nonpotable water is of adequate quality for the intended use.~~
- ~~• The use of nonpotable water is consistent with all applicable federal, state and local laws and regulations.~~
- ~~• The use of nonpotable water will not be detrimental to the public health and will not adversely affect plant life, fish and wildlife.~~

Applicant. A person or entity who has applied to the District for new potable water service or recycled water service, or for a change in use of existing potable water service or recycled water service, at a given premises.

Customer. A person or entity who has established and receives potable water service or recycled water service from the District at a given premises.

Dual Plumbing. The ~~For purposes of this section, "dual plumbing" shall mean the~~ installation of separate facilities for the distribution of potable and recycled ~~nonpotable~~ water service. These facilities



# REGULATIONS GOVERNING WATER SERVICE TO CUSTOMERS OF THE EAST BAY MUNICIPAL UTILITY DISTRICT

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## SECTION 30 RECYCLED ~~NONPOTABLE~~ WATER SERVICE

may include distribution piping from the water service main or water supply source to the water service meter, and ~~as well as~~ facilities on the customer's side of the water service meter.

Nonpotable Use~~Nondomestic Uses~~. Any use of water for which recycled water may be lawfully used, including irrigation of landscape areas (including parks, greenbelts, playgrounds, school yards, athletic fields, golf courses, cemeteries, residential landscaping, common areas, commercial or industrial landscaping, and freeway, highway, and street landscaping, but excluding designated outdoor eating areas subject to spray, mist or runoff); irrigation of crops and pasture land; industrial uses (including floor trap priming, cooling towers, and air-conditioning devices), toilet and urinal flushing in any structure described in California Water Code section 13553, subdivisions (c) and (d); construction; fire suppression; hydrostatic testing; dust control; street sweeping; and supply for recreational impoundment.~~For purposes of this section, "nondomestic uses" shall mean all uses of water, except for drinking, culinary purposes, and the processing of products intended for direct human consumption. Nondomestic uses include irrigation of food crops intended for human consumption, which is an allowable recycled water use with appropriate treatment to meet water quality standards.~~

Recycled ~~Nonpotable~~ Water. Water which, as a result of treatment of waste, is suitable for a direct beneficial use or a controlled use that would not otherwise occur and is therefore considered a valuable resource. (Wat. Code, § 13050, subd. (n).)~~For purposes of this section, "nonpotable water" shall mean all reclaimed, recycled, reused, or untreated water supplies that meet the conditions set forth in California Water Code Section 13550 and are determined by the District to be suitable for nondomestic uses and feasible for the particular intended use.~~

Retrofit. ~~The~~ For purposes of this section, "retrofit" shall mean the conversion or modification of existing water service facilities such that the facilities ~~they~~ are suitable for recycled ~~nonpotable~~ water service.

Water Reuse ~~Zone-Zones~~. A portion of ~~For purposes of this section, "water reuse zone" shall mean District-designated zones within~~ the District's service area in which the District has determined that recycled ~~where nonpotable~~ water service is ~~has been determined to be~~ reasonably available. In general, a premises is within a Water Reuse Zone if it is no more than one-half mile from an existing or planned recycled water pipeline. The District's designated Water Reuse Zones are described on the District's public website. The District may designate new Water Reuse Zones or modify existing Water Reuse Zones from time to time, which shall become effective when made available on the District's website.

Water User. An applicant or a customer.

### C. RECYCLED WATER USE REQUIREMENT

Each existing customer of the District, and each applicant for new or expanded service from the District, shall use recycled water for nonpotable uses within any designated Water Reuse Zone, if the District determines pursuant to this Regulation that recycled water is or will be available for the intended nonpotable uses and requires its use.

### TYPES OF NONPOTABLE WATER USE



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~~Use of nonpotable water may be required for nondomestic uses, which include but are not limited to: irrigation of cemeteries, golf courses, playing fields, parks and residential and nonresidential landscaped areas; commercial and industrial process uses; toilet and urinal flushing in nonresidential buildings.~~

#### **D. DETERMINATION OF ~~FEASIBILITY~~ AVAILABILITY OF RECYCLED ~~NONPOTABLE~~ WATER SERVICE**

The District ~~may from time to time will~~ identify existing customers within ~~a~~ Water Reuse ~~Zone~~ Zones and determine ~~whether recycled water is available to serve the nonpotable uses of those~~ the feasibility of providing nonpotable water service to these customers. The District will also review applications for new ~~or expanded service within a Water Reuse Zone~~ services to determine ~~whether recycled water is available to serve an applicant's intended nonpotable uses~~ the feasibility of providing nonpotable water service to these applicants. The District, ~~in at~~ its sole discretion, will determine ~~whether a source of recycled water is available to a particular water user for a particular nonpotable use~~ the economic, environmental, and institutional feasibility of providing nonpotable water service to existing customers and new service applications.

When making that determination, the District will consider the following facts and circumstances:

1. Whether the identified source of recycled water is of adequate quantity for the water user's intended nonpotable use;
2. Whether the identified source of recycled water is of adequate quality for the water user's intended nonpotable use. In determining adequate quality, the District shall consider all relevant factors on a user-by-user basis, including applicable legal and regulatory requirements, food and employee safety, and level and types of specific constituents in the recycled water affecting the intended nonpotable use;
3. Whether it is technically feasible for the District to treat and deliver recycled water for the intended nonpotable use;
4. Whether recycled water may be furnished for nonpotable use at a reasonable cost to the water user and to the District. Before requiring recycled water use, the District shall determine that the cost to the water user of supplying treated recycled water for a particular nonpotable use of water is comparable to, or less than, the cost of supplying potable domestic water to the same water user for the same use. In making this determination, the District shall compare the present and projected costs to supply each source of water (potable vs. recycled) to the water user for specific nonpotable use(s), accounting for the following: (i) the expected cost to the water user for system capacity and for the acquisition, conveyance, treatment, and distribution of each source of water, (ii) the expected cost to the water user to construct any new improvements and infrastructure necessary to supply each source of water to the water user, which costs may be evaluated over a reasonable payback period, (iii) any cost savings to the water user expected to result from a difference in the unit rate charged for each water source, and (iv) any cost savings to a customer expected to result from an offer of payment by the District towards the cost of necessary retrofit work;



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5. Whether the intended use of recycled water will be detrimental to public health;
6. Whether the intended use of recycled water will degrade water quality or be injurious to plant life, fish, and wildlife;
7. Whether there is an alternative higher or better use for the identified source of recycled water; and
8. Whether the use of recycled water for the water user's intended use would be consistent with all applicable federal, state, and local laws and regulations.

The District shall consider the facts and circumstances listed above. The District may consider any relevant information and any other relevant facts and circumstances. The District may require a water user to furnish information which the District determines to be relevant to the determination. However, nothing in this Regulation shall be construed to require the District to hold a hearing or take any evidence.

When determining whether recycled water is available for purposes of this Regulation, the District may consider both existing facilities and identifiable planned facilities. If the District determines that recycled water will be available in the future from planned recycled facilities not yet constructed or in operation and requires recycled water use on that basis, then the District will offer interim potable water service as provided in this Regulation until the District is able to deliver recycled water to the premises.

~~If nonpotable water service is determined by~~ the District determines in its sole discretion that recycled water is available to a water user for a particular nonpotable use, the District may require the water user to use recycled water in lieu of potable water for that use, and if the District so requires, then the District will not supply the water user with potable water for that nonpotable use, except (1) as a backup supply if authorized on conditions set by the District, and/or (2) on an interim basis as provided in this Regulation. The District will notify the water user in writing ~~to be feasible, written notification~~ of the requirement to ~~required use recycled of nonpotable water shall be provided to the customer or applicant. The~~ Such ~~notification will may~~ include information regarding District water service requirements procedures, state a description of the District's nonpotable water project, a date by which the water user's premises ~~customer site~~ must be ready to accept recycled nonpotable water service, and describe a description of any nonpotable water facilities that must be constructed on the water user's premises ~~customer's site~~ , including dual plumbing and backflow prevention devices, and the deadline for completing construction. The District may require a water user ~~Customers may be required to retrofit existing water service facilities to accommodate recycled nonpotable water service. Applicants and applicants for new water services may be required to pay for recycled water main extensions providing principal, install frontage and onsite piping, recycled water nonpotable infrastructure, and install dual plumbing, on pursuant to~~ terms and conditions specified by the District.

### E. RECYCLED ~~NONPOTABLE~~ WATER USE PERMITS

Water users who are ~~Customers and applicants~~ required or desire to use recycled nonpotable water shall submit a recycled water service application in a form specified by the District ~~Nonpotable Water Service Application. Following Upon~~ receipt, review, and approval of the application, and the



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~~construction~~ completion of construction, but before the ~~and prior to~~ start of recycled water service, the District will issue a recycled nonpotable water use permit which states, among other things, will specify the approved use(s) for recycled water uses at the water user's premises ~~customer sites~~ and the other requirements ~~for the customer's water~~ user must meet as a condition of recycled water service ~~distribution facilities and portions of the premises where nonpotable water will be applied.~~

Recycled Nonpotable water service will not commence until all fees and charges have been ~~are~~ paid and the District has verified ~~verifies~~ compliance with the permit requirements. Failure to comply with permit requirements is a violation of this Regulation and may result in suspension or termination of recycled water service.

#### F. INTERIM POTABLE WATER SERVICE

As ~~In special circumstances, as~~ solely determined by the District, ~~once the permit has been issued,~~ a potable water supply for nonpotable use may be provided on an interim basis until all necessary construction and other requirements for receiving recycled nonpotable water delivery is ~~are~~ complete and a recycled water supply is ready to be served. The District may offer interim potable water service if the District is not yet ready to deliver recycled water to or near a customer's premises but has planned for a future capability to make such delivery. The District generally will not provide interim potable water service for nonpotable use if recycled water service is currently available for delivery to the customer's premises. All potable water delivered during the period of interim potable water service will be billed at the prevailing potable water rates.

The District may condition the provision ~~Provision of~~ interim a potable water service on ~~until nonpotable water is available may be contingent upon the~~ water user's agreement ~~customer/applicant agreeing to comply with~~ any or all of the following requirements:

- 1. Installation by the water user within a time specified by the District ~~customer/applicant installation of water service facilities, separate and distinct from the potable water service facilities, necessary to convert for the purpose of facilitating conversion to~~ or begin receiving a recycled nonpotable water supply when available;
- ~~additional retrofitting of water service facilities (potable and nonpotable) and construction of additional nonpotable water facilities (e.g., service laterals, metering conversion and appurtenances) as solely determined by District to be necessary to commence delivery of nonpotable water when available;~~
- 2. Agreement by the water user ~~agreement~~ to pay the District's cost to install water facilities which the water user is required or has agreed to install within a specified time, perform ~~additional retrofitting and construction if the customer/applicant does not perform the work~~ is not completed within that ~~the~~ time specified; and/or
- ~~installation of flow-restricting devices, at customer/applicant expense, to reduce the maximum flow rate in the event the District is unable to deliver a nonpotable water supply;~~





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- ~~customer/applicant construction of storage facilities to insure an adequate water flow for the site notwithstanding the installation of flow-restricting devices;~~
- ~~agreement to indemnify the District with respect to any damage arising from the installation of flow-restricting devices or construction of storage facilities;~~
- ~~removal of flow-restricting devices, without charge, and connection to the nonpotable water supply in the event that the District makes a nonpotable water supply available;~~
- 3. Any ~~any~~ other conditions deemed necessary by the District.

~~The District will advise the customer/applicant of those conditions that shall apply to the delivery of a potable water supply until nonpotable water is available.~~ Applicants for new or expanded service who that are approved to receive an interim potable water supply pending the commencement of delivery of recycled water to the premises and permitted shall pay the applicable ~~Nonpotable~~ System Capacity Charge for Nonpotable Water Service before interim service will be provided, notwithstanding the interim delivery of a potable water supply ~~until nonpotable water is available~~.

Interim potable water service to a customer shall be discontinued if and when the District makes any of the following determinations:

1. That the District is ready to deliver an adequate supply of recycled water to the customer's premises, in which case the customer henceforth must use recycled water, not potable water, for nonpotable use;
2. That the customer has not timely completed any required construction work or failed to comply with any other condition on the customer's receipt of interim potable service, in which case the customer must cease using potable water for nonpotable use; or
3. That the District no longer plans to develop the capability to deliver recycled water to or near the customer's premises, in which case the customer may continue using potable water for nonpotable use if the applicable System Capacity Charge for Potable Water Service is paid, provided that any prior payment received for the System Capacity Charge for Nonpotable Water Service will be credited towards the balance due.

#### G. EXISTING CUSTOMER RETROFIT WORK:

##### 1. APPLICABILITY

The District may require an existing customer who has previously established one or more nonpotable use(s) at a given premises within a Water Reuse Zone to cease using potable water for such nonpotable use(s) and to use recycled water henceforth instead, if the District determines in accordance with this Regulation that recycled water is or will be available to serve the nonpotable use(s) at the customer's premises, and the provisions of this Subsection G (entitled "Existing Customer Retrofit Work") apply to each such customer.



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#### 2. ~~4.~~ INSTALLATION, OPERATION, AND MAINTENANCE COSTS

- a. Financial Responsibility for Design and Construction Work. Except as otherwise provided herein, when an existing customer is required by the District to convert to recycled ~~nonpotable~~ water service, the District will offer to (1) pay or reimburse the reasonable design and capital costs of any retrofitting of the water service facilities on the customer's side of the water service meter that is necessary for the customer to use recycled water in compliance with the customer's recycled water use permit and this Regulation, and (2) ~~will also~~ provide for installation of the recycled ~~nonpotable~~ water service facilities necessary to deliver recycled ~~nonpotable~~ water to the customer's water service meter which is payable or reimbursable by the District as specified in this Regulation. The District may require the customer to remove or downsize the existing potable water connection. Notwithstanding the foregoing, if the customer requests installation of recycled water service facilities to serve new development or to increase the capacity of a previously established nonpotable use, such facilities are subject to the provisions of Subsection H (entitled "New Customer Service Applications and Voluntary Conversions") and not this Subsection G.
- b. Financial Responsibility for Operation and Maintenance Costs. A customer may begin to receive service when the retrofit is completed, the customer's premises is ready to accept recycled water, and the customer has applied for and received a recycled water use permit. ~~The Once nonpotable water service delivery commences, the customer is shall be~~ responsible for all costs of operating and maintaining the water service facilities on the customer's side of the water service meter(s) and for complying with all reporting and inspection requirements in accordance with District and State regulations, except where the District has determined that it would be in the best interests of the District to own, operate and maintain on-site treatment facilities on the customer's premises in which case the District may agree to accept responsibility for such costs. The customer shall pay the District's current nonpotable water rate for recycled water delivered to the customer. If recycled water is unavailable when the retrofit is complete, the customer shall be liable to pay the District's current potable water rates until recycled water is available for delivery to the customer's premises. ~~In the event a customer's water volume demand is increased significantly as a direct result of water quality considerations due solely to the conversion to nonpotable water service, the District may apply a volume conversion factor to the customer's account such that the conversion will not result in an increase to the customer's overall cost of water service. The volume conversion factor shall be applied prior to establishing nonpotable water service, upon request by, and after receipt of adequate documentation of the projected demand increase from, the customer.~~
- c. Capacity Charges and Installation Charges. An existing customer who converts a previously established use of water at a given premises from potable water use to recycled water use, without increasing the meter size of the connection serving that previously established use, shall not be liable to pay the System Capacity Charge for Nonpotable Water Service. Fees and charges, including a capacity charge, previously paid to receive potable water service, shall not be refunded.





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#### 3. ~~2.~~ DESIGN AND CONSTRUCTION PROCESS

- a. Option to Construct. An existing customer ~~Existing customers~~ required to convert to recycled ~~nonpotable~~ water service may choose to authorize the District to design and construct ~~complete~~ the required retrofit work, or otherwise the customer must design and construct ~~or, as an alternative, allow the District to complete~~ the required retrofit work by the date indicated in the District notification. If the District determines before ~~prior to the start of~~ construction begins that the retrofit of the customer's facilities is not feasible, the District shall be released from any obligation to perform or reimburse the cost of any retrofit work and the customer shall be released from the requirement to convert to recycled water service until such time as the District determines the retrofit is feasible.
- b. Retrofit Work By District. ~~If a customer requests~~ Where the District ~~to performs the~~ design and construct ~~construction of~~ the retrofit work, the customer shall ~~review the design and~~ sign a Retrofit Agreement which sets forth the rights and obligations of the District and the customer with respect to the retrofit work. The customer must comply with the Retrofit Agreement as a condition of the District's performance of the work. The customer may review the retrofit design. The customer must ~~and~~ provide access to the premises ~~site~~ as necessary for the District or its contractors to perform the design and construction work. Site access may be required for ~~, including but not limited to~~ inspections, testing, or other purposes ~~retrofit items and performing required cross-connection and backflow prevention valve testing, where installation of backflow prevention devices is required by law or recommended by the District. The Retrofit Agreement may require the customer to indemnify the District, to allow entry and inspection by the District, and to consent to other provisions deemed appropriate by the District for the accomplishment of the work and the protection of the District and its customers. The District shall install backflow prevention devices when required by law and/or deemed appropriate by the District.~~

#### ~~A.c.~~ Retrofit Work By Customer.

- i. Design. If a customer does not enter into a Retrofit Agreement acceptable to the District, the customer must perform the design and construction of the retrofit work in accordance with the following requirements. The customer shall first ~~Prior to customer construction of the retrofit work, customers shall~~ submit to the ~~, for~~ District for review; a ~~proposed schedule,~~ cost estimate for a complete ~~, and~~ design for the retrofit construction work. If the District approves the cost estimate, the customer shall prepare, or have prepared, a conceptual ("30%") design and submit it for District review. If the District approves the conceptual design, the customer shall complete the final design and submit it for District review. The customer's retrofit design must include all ~~The scope of work, cost estimates, and the proposed schedule are subject to District approval prior to commencement of work. Any~~ retrofit elements required by state law ~~shall be included in the retrofit design.~~ The District shall review the completed design for adherence to legal and District requirements and may approve, conditionally approve, or deny approval of the submitted design. The District may direct changes to the design, in which case the customer must submit a revised



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design incorporating the changes to the District for approval before construction begins. If the final design is approved, the District will thereafter pay the customer's reasonable and documented actual design costs, provided that payment shall not exceed the approved design cost estimate absent prior written approval by District. Any changes to the proposed retrofit work must be submitted for District approval prior to construction.

- ii. Construction. After final design approval, the ~~The~~ customer shall provide a construction cost estimate and schedule for District review. Construction work may not begin until the District has approved the construction cost estimate and schedule. The customer shall thereafter complete the retrofit work. The customer shall be exclusively responsible for compliance with ~~prepare, or have prepared, the design work for the retrofit and complete the retrofit work and, in doing so, comply with~~ all applicable federal, state, and local codes, laws, ordinances and regulations and for obtaining and complying with ~~obtain~~ all necessary permits. The customer shall maintain compliance documents and furnish copies of said documents upon District request. Customers shall install backflow prevention devices as required by law or ~~recommended~~ by the District. The District shall be entitled to review the scope of work and schedule set forth in a construction contract to verify the suitability and timeliness of the proposed retrofit work. However, the ~~The~~ District shall not be a party to any contract between the customer and a third-party consultant or contractor, and the District shall have no responsibility thereunder, ~~although the District shall be entitled to review the contracts. The customer shall agree to indemnify the District with respect to any claims arising from the design or construction of the retrofit work.~~
- ~~i.~~iii. Inspection. After construction is complete, the customer shall notify the District, and the District may thereafter enter the premises and ~~The District shall be entitled to~~ inspect the retrofit work to verify that the retrofit items are installed and properly functioning, and to perform required cross-connection and backflow prevention testing. The District may require the ~~The~~ customer (or the customer's representative) and any construction contractor used to perform the retrofit work to ~~shall~~ be present during the final inspection. The District may pass, conditionally pass, or fail the work. If the construction work passes the inspection, the District will thereafter pay ~~Upon completion of the retrofit design work and subject to District approval of design costs, prior to start of design work, the District will reimburse the design costs incurred by the customer. Upon completion of construction, District inspection and approval of the work and the costs, the District will reimburse the~~ customer's documented actual construction costs, provided that payment shall not exceed the approved construction cost estimate absent prior written approval by District ~~incurred by the customer.~~
- iv. Customer's Failure to Complete Retrofit Work. A customer required to perform retrofit work must complete the required work and be ready to receive delivery of recycled water no later than the date specified by the District. The District may extend the time to complete retrofit work in the reasonable exercise of its discretion if the customer shows good cause. Failure to timely complete retrofit work is a violation of this



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#### Regulation.

- v. Indemnification and Liability. A customer, by accepting payment or reimbursement from the District for recycled water retrofit work which is completed by the customer or by a contractor or agent retained by the customer, is required to indemnify, defend, and hold harmless the District and its Directors, officers, and employees, from and against any and all loss, liability, expense, claims, lawsuits, and damages, including reasonable attorney's fees, arising out of or pertaining or relating to the design, construction, and/or operation of the recycled water retrofit work. Furthermore, by providing any review, inspection, or approval of customer work or customer submittals, the District does not intend to warrant or represent that the work or submittals are adequate or sufficient to meet legal or permit requirements or to function for the customer's intended purpose, and the District shall not be liable to the customer or any other party for any claims or losses arising in connection therewith. ~~Once the retrofit is completed and the customer site is ready to accept nonpotable water as certified by the District, the customer will pay the nonpotable water rate per the current applicable rate schedule. If nonpotable water is unavailable when the retrofit is complete, the potable water rate shall be charged until nonpotable water is available for delivery to the site.~~

#### ~~B. Failure to Complete Retrofit Work by Customer~~

~~Customers who do not complete the retrofit work to enable the delivery of nonpotable water by the District-specified date will not be in compliance with this regulation. In such cases, the District may pursue one or more potential remedies, including, but not limited to the following:~~

- ~~1) The General Manager or the Manager of Customer and Community Services Department may, after a written warning to the customer, authorize installation of a flow restrictor to prevent the use of potable water for uses for which nonpotable water service has been determined to be feasible by the District.~~
- ~~2) Referral to the State Water Resources Control Board for a determination regarding the availability of recycled water pursuant to Water Code section 13550 et seq;~~
- ~~3) Legal action to enforce this Section 30 and require completion of the retrofit work.~~

#### H. NEW CUSTOMER SERVICE APPLICATIONS AND VOLUNTARY CONVERSIONS

##### 1. APPLICABILITY

The provisions of this Subsection H (entitled "New Customer Service Applications and Voluntary Conversions") apply to the following applicants and customers:

- a. Each applicant ~~New applicants~~ for water service for a new or expanded nonpotable use who is required by the District to use recycled nonpotable water pursuant to this Regulation.



# REGULATIONS GOVERNING WATER SERVICE TO CUSTOMERS OF THE EAST BAY MUNICIPAL UTILITY DISTRICT

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## SECTION 30

### RECYCLED ~~NONPOTABLE~~ WATER SERVICE

- b. Each existing customer of the District who requests ~~for nondomestic uses, and~~ customers requesting installation of additional recycled ~~nonpotable~~ water service facilities in order to serve new development ~~developments~~ or to expand capacity.
- c. Each existing customer of the District who requests, ~~or those customers requesting~~ conversion from potable to recycled water ~~nonpotable~~ service, where the conversion is not required by the District.

#### 2. COSTS FOR WHICH APPLICANTS AND CUSTOMERS ARE RESPONSIBLE

Water users subject to this Subsection H, shall be solely responsible for the full cost of all facilities and infrastructure necessary to deliver recycled ~~nonpotable~~ water from the closest available recycled ~~nonpotable~~ water facility to and within the premises ~~and within~~. Water users are solely responsible to timely pay ~~Costs shall include, but not be limited to, planning, design and installation of main extensions, service laterals, meters, irrigation infrastructure, dual plumbing, onsite treatment, backflow prevention, reservoirs or other forms of storage, pumping stations, backup potable water infrastructure, account fees, and all other applicable~~ rates, charges, and fees in accordance with the District's Water System Schedules ~~Service Schedule~~ of Rates, ~~and Charges, and Fees and the Regulations Governing Water Service to Customers of the East Bay Municipal District to customers.~~ Failure to timely complete all work or to pay any sum due is a violation of this Regulation and will result in denial of water service.

#### 3. MAIN EXTENSIONS; CONDITIONAL SERVICE CONNECTIONS

The District may require the installation of major recycled ~~nonpotable~~ water main extensions with excess capacity to meet future customer demands in certain service areas. The District will evaluate the need and feasibility for main extension excess capacity on a case by case basis. The water user ~~applicant or customer (as appropriate)~~ will only be charged for the size of the main required by District standards to serve the water user's recycled ~~nonpotable~~ water demand ~~of the applicant/customer~~.

Extension of ~~nonpotable~~ recycled water mains shall be subject to the requirements of ~~comply with~~ Section 4 of the District's EBMUD Regulations Governing Water Service to Customers of the East Bay Municipal District.

Section 3 of the Regulations Governing Water Service to Customers of the East Bay Municipal District specifies the conditions in which the District may locate a conditional service connection(s) at other than the principal frontage. The District may locate a conditional recycled water service connection(s) at other than the principal frontage if the conditions specified in Section 3 exist.

#### 4. SYSTEM CAPACITY CHARGE

An applicant for new or expanded service who is required by the District to use recycled water for nonpotable use(s) shall pay the applicable System Capacity Charge for Nonpotable Water Service before service is provided in accordance with applicable provisions of the Regulations



# **REGULATIONS GOVERNING WATER SERVICE TO CUSTOMERS OF THE EAST BAY MUNICIPAL UTILITY DISTRICT**

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## **SECTION 30**

### **RECYCLED ~~NONPOTABLE~~ WATER SERVICE**

Governing Water Service to Customers of the East Bay Municipal District and the Water System Schedules of Rates, Charges, and Fees.

#### **5. OPERATION AND MAINTENANCE COSTS; RATES**

~~Once nonpotable water service delivery commences, the~~ The customer ~~is shall be~~ responsible for all costs of operating and maintaining the water service facilities for potable and recycled water on the customer's side of the water service meter(s) and for complying with all reporting and inspection requirements in accordance with District per EBMUD and State state regulations, except where the District has determined that it would be in the best interests of the District to own, operate and maintain on-site treatment facilities on the customer's premises in which case the District may agree to accept responsibility for such costs. The customer shall pay the District's current nonpotable water rate for recycled water delivered to the customer. If recycled water is unavailable when construction is complete, the customer shall be liable to pay the District's current potable water rates until recycled water is available for delivery to the customer's premises.

#### **I. ENFORCEMENT AND APPEALS**

##### **1. ENFORCEMENT & REMEDIES**

The District may deny or hold in abeyance an application for new or expanded service if the applicant does not comply with this Regulation. The District may take enforcement action against an applicant or a District customer who does not comply with this Regulation, including any or all of the following actions:

- a. Denial or discontinuation of potable water service for nonpotable use.
- b. Installation of a flow restricting device on a customer's potable water connection, after a written warning to the customer and authorization by the General Manager or the Manager of the Customer and Community Services Department, to prevent the use of potable water for nonpotable uses for which the District has determined that recycled water is available.
- c. Pursuit of an order from the State Water Resources Control Board requiring the water user to use recycled water.
- d. Initiation of legal action to enforce this Regulation and require completion of required work.
- e. Pursuit of any other legal or equitable remedy available to the District.

##### **2. COSTS AND ATTORNEYS' FEES**

The District may recover from any person or entity in violation of this Regulation the costs it incurs in connection with enforcing this Regulation, including staff time, and may seek



# **REGULATIONS GOVERNING WATER SERVICE**

## **TO CUSTOMERS OF THE EAST BAY MUNICIPAL UTILITY DISTRICT**

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### **SECTION 30**

### **RECYCLED ~~NONPOTABLE~~ WATER SERVICE**

attorneys' fees in any court action or proceeding.

#### **3. APPEALS**

A water user aggrieved by a final decision made by the District in connection with this Regulation may seek relief by submitting a written appeal to the Manager of Water Supply Improvements within 30 days of the date of the decision. The appeal must describe (1) the decision at issue, (2) the specific relief requested, (3) a statement of facts which the appellant believes entitles the appellant to the requested relief, and (4) copies of all relevant supporting documentation or written evidence the appellant wishes the District to consider. The Manager of Water Supply Improvements or designee will consider the submitted material and any other relevant evidence and decide whether to (1) grant relief in whole or part or (2) affirm the original decision. The water user shall not be entitled to a hearing, except where a hearing is required by law. The decision of the Manager of Water Supply Improvements is final. This written appeal process is the exclusive means to seek further administrative review of a decision made in connection with this Regulation and failure to timely pursue this process shall be deemed a failure to exhaust administrative remedies.





# **REGULATIONS GOVERNING WATER SERVICE TO CUSTOMERS OF THE EAST BAY MUNICIPAL UTILITY DISTRICT**

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## **SECTION 30 RECYCLED WATER SERVICE**

### **A. SCOPE OF REGULATION**

The State Legislature has determined that use of potable water for certain nonpotable uses is a waste or unreasonable use of water if recycled water is available which meets the conditions specified in California Water Code section 13550, et seq. District Policy 9.05 requires that customers of the District use recycled water for nonpotable uses when it is of adequate quality and quantity, available at reasonable cost, not detrimental to public health, and not injurious to plant life, fish, and wildlife. This Regulation governs the following: the purposes for which the District may require the use of recycled water; the manner in which the District determines whether to require recycled water use in a given case; and the rights and obligations of an applicant for water service or an existing District customer affected by the District's determination.

This Regulation does not govern the provision or use of untreated nonpotable water (also known as raw water). The District may agree to provide raw water, where available, for nonpotable use on a case-by-case basis pursuant to contractual terms and conditions.

### **B. DEFINITIONS**

The following terms, when used in this Regulation, shall have the meanings given below.

**Applicant.** A person or entity who has applied to the District for new potable water service or recycled water service, or for a change in use of existing potable water service or recycled water service, at a given premises.

**Customer.** A person or entity who has established and receives potable water service or recycled water service from the District at a given premises.

**Dual Plumbing.** The installation of separate facilities for the distribution of potable and recycled water service. These facilities may include distribution piping from the water service main or water supply source to the water service meter, and facilities on the customer's side of the water service meter.

**Nonpotable Use.** Any use of water for which recycled water may be lawfully used, including irrigation of landscape areas (including parks, greenbelts, playgrounds, school yards, athletic fields, golf courses, cemeteries, residential landscaping, common areas, commercial or industrial landscaping, and freeway, highway, and street landscaping, but excluding designated outdoor eating areas subject to spray, mist or runoff); irrigation of crops and pasture land; industrial uses (including floor trap priming, cooling towers, and air-conditioning devices), toilet and urinal flushing in any structure described in California Water Code section 13553, subdivisions (c) and (d); construction; fire suppression; hydrostatic testing; dust control; street sweeping; and supply for recreational impoundment.

**Recycled Water.** Water which, as a result of treatment of waste, is suitable for a direct beneficial use or a controlled use that would not otherwise occur and is therefore considered a valuable resource. (Wat. Code, § 13050, subd. (n).)

**Retrofit.** The conversion or modification of existing water service facilities such that the facilities are suitable for recycled water service.



# **REGULATIONS GOVERNING WATER SERVICE**

## **TO CUSTOMERS OF THE EAST BAY MUNICIPAL UTILITY DISTRICT**

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### **SECTION 30**

### **RECYCLED WATER SERVICE**

Water Reuse Zone. A portion of the District's service area in which the District has determined that recycled water service is reasonably available. In general, a premises is within a Water Reuse Zone if it is no more than one-half mile from an existing or planned recycled water pipeline. The District's designated Water Reuse Zones are described on the District's public website. The District may designate new Water Reuse Zones or modify existing Water Reuse Zones from time to time, which shall become effective when made available on the District's website.

Water User. An applicant or a customer.

#### **C. RECYCLED WATER USE REQUIREMENT**

Each existing customer of the District, and each applicant for new or expanded service from the District, shall use recycled water for nonpotable uses within any designated Water Reuse Zone, if the District determines pursuant to this Regulation that recycled water is or will be available for the intended nonpotable uses and requires its use.

#### **D. DETERMINATION OF AVAILABILITY OF RECYCLED WATER**

The District may from time to time identify existing customers within a Water Reuse Zone and determine whether recycled water is available to serve the nonpotable uses of those customers. The District will also review applications for new or expanded service within a Water Reuse Zone to determine whether recycled water is available to serve an applicant's intended nonpotable uses. The District, in its sole discretion, will determine whether a source of recycled water is available to a particular water user for a particular nonpotable use.

When making that determination, the District will consider the following facts and circumstances:

1. Whether the identified source of recycled water is of adequate quantity for the water user's intended nonpotable use;
2. Whether the identified source of recycled water is of adequate quality for the water user's intended nonpotable use. In determining adequate quality, the District shall consider all relevant factors on a user-by-user basis, including applicable legal and regulatory requirements, food and employee safety, and level and types of specific constituents in the recycled water affecting the intended nonpotable use;
3. Whether it is technically feasible for the District to treat and deliver recycled water for the intended nonpotable use;
4. Whether recycled water may be furnished for nonpotable use at a reasonable cost to the water user and to the District. Before requiring recycled water use, the District shall determine that the cost to the water user of supplying treated recycled water for a particular nonpotable use of water is comparable to, or less than, the cost of supplying potable domestic water to the same water user for the same use. In making this determination, the District shall compare the present and projected costs to supply each source of water (potable vs. recycled) to the water user for specific nonpotable use(s), accounting for the following: (i) the expected cost to the water user





# **REGULATIONS GOVERNING WATER SERVICE TO CUSTOMERS OF THE EAST BAY MUNICIPAL UTILITY DISTRICT**

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## **SECTION 30 RECYCLED WATER SERVICE**

for system capacity and for the acquisition, conveyance, treatment, and distribution of each source of water, (ii) the expected cost to the water user to construct any new improvements and infrastructure necessary to supply each source of water to the water user, which costs may be evaluated over a reasonable payback period, (iii) any cost savings to the water user expected to result from a difference in the unit rate charged for each water source, and (iv) any cost savings to a customer expected to result from an offer of payment by the District towards the cost of necessary retrofit work;

5. Whether the intended use of recycled water will be detrimental to public health;
6. Whether the intended use of recycled water will degrade water quality or be injurious to plant life, fish, and wildlife;
7. Whether there is an alternative higher or better use for the identified source of recycled water; and
8. Whether the use of recycled water for the water user's intended use would be consistent with all applicable federal, state, and local laws and regulations.

The District shall consider the facts and circumstances listed above. The District may consider any relevant information and any other relevant facts and circumstances. The District may require a water user to furnish information which the District determines to be relevant to the determination. However, nothing in this Regulation shall be construed to require the District to hold a hearing or take any evidence.

When determining whether recycled water is available for purposes of this Regulation, the District may consider both existing facilities and identifiable planned facilities. If the District determines that recycled water will be available in the future from planned recycled facilities not yet constructed or in operation and requires recycled water use on that basis, then the District will offer interim potable water service as provided in this Regulation until the District is able to deliver recycled water to the premises.

If the District determines in its sole discretion that recycled water is available to a water user for a particular nonpotable use, the District may require the water user to use recycled water in lieu of potable water for that use, and if the District so requires, then the District will not supply the water user with potable water for that nonpotable use, except (1) as a backup supply if authorized on conditions set by the District, and/or (2) on an interim basis as provided in this Regulation. The District will notify the water user in writing of the requirement to use recycled water. The notification will include information regarding District water service requirements, state a date by which the water user's premises must be ready to accept recycled water service, and describe any facilities that must be constructed on the water user's premises, including dual plumbing and backflow prevention devices, and the deadline for completing construction. The District may require a water user to retrofit existing water service facilities to accommodate recycled water service. Applicants may be required to pay for recycled water main extensions providing principal frontage and onsite piping, recycled water infrastructure, and dual plumbing, on terms and conditions specified by the District.



# **REGULATIONS GOVERNING WATER SERVICE TO CUSTOMERS OF THE EAST BAY MUNICIPAL UTILITY DISTRICT**

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## **SECTION 30 RECYCLED WATER SERVICE**

### **E. RECYCLED WATER USE PERMITS**

Water users who are required or desire to use recycled water shall submit a recycled water service application in a form specified by the District. Following receipt, review, and approval of the application, and the completion of construction, but before the start of recycled water service, the District will issue a recycled water use permit which states the approved use(s) for recycled water at the water user's premises and the other requirements the water user must meet as a condition of recycled water service.

Recycled water service will not commence until all fees and charges have been paid and the District has verified compliance with the permit requirements. Failure to comply with permit requirements is a violation of this Regulation and may result in suspension or termination of recycled water service.

### **F. INTERIM POTABLE WATER SERVICE**

As solely determined by the District, a potable water supply for nonpotable use may be provided on an interim basis until all necessary construction and other requirements for receiving recycled water delivery is complete and a recycled water supply is ready to be served. The District may offer interim potable water service if the District is not yet ready to deliver recycled water to or near a customer's premises but has planned for a future capability to make such delivery. The District generally will not provide interim potable water service for nonpotable use if recycled water service is currently available for delivery to the customer's premises. All potable water delivered during the period of interim potable water service will be billed at the prevailing potable water rates.

The District may condition the provision of interim potable water service on the water user's agreement to comply with any or all of the following requirements:

1. Installation by the water user within a time specified by the District of water service facilities, separate from the potable water service facilities, necessary to convert to or begin receiving a recycled water supply when available;
2. Agreement by the water user to pay the District's cost to install water facilities which the water user is required or has agreed to install within a specified time, if the work is not completed within that time; and/or
3. Any other conditions deemed necessary by the District.

Applicants for new or expanded service who are approved to receive an interim potable water supply pending the commencement of delivery of recycled water to the premises shall pay the applicable System Capacity Charge for Nonpotable Water Service before interim service will be provided, notwithstanding the interim delivery of a potable water supply.

Interim potable water service to a customer shall be discontinued if and when the District makes any of the following determinations:

1. That the District is ready to deliver an adequate supply of recycled water to the customer's



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## **SECTION 30 RECYCLED WATER SERVICE**

premises, in which case the customer henceforth must use recycled water, not potable water, for nonpotable use;

2. That the customer has not timely completed any required construction work or failed to comply with any other condition on the customer's receipt of interim potable service, in which case the customer must cease using potable water for nonpotable use; or
3. That the District no longer plans to develop the capability to deliver recycled water to or near the customer's premises, in which case the customer may continue using potable water for nonpotable use if the applicable System Capacity Charge for Potable Water Service is paid, provided that any prior payment received for the System Capacity Charge for Nonpotable Water Service will be credited towards the balance due.

### **G. EXISTING CUSTOMER RETROFIT WORK**

#### **1. APPLICABILITY**

The District may require an existing customer who has previously established one or more nonpotable use(s) at a given premises within a Water Reuse Zone to cease using potable water for such nonpotable use(s) and to use recycled water henceforth instead, if the District determines in accordance with this Regulation that recycled water is or will be available to serve the nonpotable use(s) at the customer's premises, and the provisions of this Subsection G (entitled "Existing Customer Retrofit Work") apply to each such customer.

#### **2. INSTALLATION, OPERATION, AND MAINTENANCE COSTS**

- a. Financial Responsibility for Design and Construction Work. Except as otherwise provided herein, when an existing customer is required by the District to convert to recycled water service, the District will offer to (1) pay or reimburse the reasonable design and capital costs of any retrofitting of the water service facilities on the customer's side of the water service meter that is necessary for the customer to use recycled water in compliance with the customer's recycled water use permit and this Regulation, and (2) provide for installation of the recycled water service facilities necessary to deliver recycled water to the customer's water service meter which is payable or reimbursable by the District as specified in this Regulation. The District may require the customer to remove or downsize the existing potable water connection. Notwithstanding the foregoing, if the customer requests installation of recycled water service facilities to serve new development or to increase the capacity of a previously established nonpotable use, such facilities are subject to the provisions of Subsection H (entitled "New Customer Service Applications and Voluntary Conversions") and not this Subsection G.
- b. Financial Responsibility for Operation and Maintenance Costs. A customer may begin to receive service when the retrofit is completed, the customer's premises is ready to accept recycled water, and the customer has applied for and received a recycled water use permit. The customer is responsible for all costs of operating and maintaining the water service facilities on the customer's side of the water service meter(s) and for complying



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## **SECTION 30 RECYCLED WATER SERVICE**

with all reporting and inspection requirements in accordance with District and State regulations, except where the District has determined that it would be in the best interests of the District to own, operate and maintain on-site treatment facilities on the customer's premises in which case the District may agree to accept responsibility for such costs. The customer shall pay the District's current nonpotable water rate for recycled water delivered to the customer. If recycled water is unavailable when the retrofit is complete, the customer shall be liable to pay the District's current potable water rates until recycled water is available for delivery to the customer's premises.

- c. Capacity Charges and Installation Charges. An existing customer who converts a previously established use of water at a given premises from potable water use to recycled water use, without increasing the meter size of the connection serving that previously established use, shall not be liable to pay the System Capacity Charge for Nonpotable Water Service. Fees and charges, including a capacity charge, previously paid to receive potable water service, shall not be refunded.

### **3. DESIGN AND CONSTRUCTION PROCESS**

- a. Option to Construct. An existing customer required to convert to recycled water service may choose to authorize the District to design and construct the required retrofit work, or otherwise the customer must design and construct the required retrofit work by the date indicated in the District notification. If the District determines before construction begins that the retrofit of the customer's facilities is not feasible, the District shall be released from any obligation to perform or reimburse the cost of any retrofit work and the customer shall be released from the requirement to convert to recycled water service until such time as the District determines the retrofit is feasible.
- b. Retrofit Work By District. If a customer requests the District to design and construct the retrofit work, the customer shall sign a Retrofit Agreement which sets forth the rights and obligations of the District and the customer with respect to the retrofit work. The customer must comply with the Retrofit Agreement as a condition of the District's performance of the work. The customer may review the retrofit design. The customer must provide access to the premises as necessary for the District or its contractors to perform the design and construction work. Site access may be required for inspections, testing, or other purposes. The Retrofit Agreement may require the customer to indemnify the District, to allow entry and inspection by the District, and to consent to other provisions deemed appropriate by the District for the accomplishment of the work and the protection of the District and its customers. The District shall install backflow prevention devices when required by law and/or deemed appropriate by the District.
- c. Retrofit Work By Customer.
  - i. Design. If a customer does not enter into a Retrofit Agreement acceptable to the District, the customer must perform the design and construction of the retrofit work in accordance with the following requirements. The customer shall first submit to the



# **REGULATIONS GOVERNING WATER SERVICE TO CUSTOMERS OF THE EAST BAY MUNICIPAL UTILITY DISTRICT**

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## **SECTION 30 RECYCLED WATER SERVICE**

District for review a cost estimate for a complete design for the retrofit construction work. If the District approves the cost estimate, the customer shall prepare, or have prepared, a conceptual ("30%") design and submit it for District review. If the District approves the conceptual design, the customer shall complete the final design and submit it for District review. The customer's retrofit design must include all retrofit elements required by state law. The District shall review the completed design for adherence to legal and District requirements and may approve, conditionally approve, or deny approval of the submitted design. The District may direct changes to the design, in which case the customer must submit a revised design incorporating the changes to the District for approval before construction begins. If the final design is approved, the District will thereafter pay the customer's reasonable and documented actual design costs, provided that payment shall not exceed the approved design cost estimate absent prior written approval by District. Any changes to the proposed retrofit work must be submitted for District approval prior to construction.

- ii. Construction. After final design approval, the customer shall provide a construction cost estimate and schedule for District review. Construction work may not begin until the District has approved the construction cost estimate and schedule. The customer shall thereafter complete the retrofit work. The customer shall be exclusively responsible for compliance with all applicable federal, state, and local codes, laws, ordinances and regulations and for obtaining and complying with all necessary permits. The customer shall maintain compliance documents and furnish copies of said documents upon District request. Customers shall install backflow prevention devices as required by law or by the District. The District shall be entitled to review the scope of work and schedule set forth in a construction contract to verify the suitability and timeliness of the proposed retrofit work. However, the District shall not be party to any contract between the customer and a third-party consultant or contractor, and the District shall have no responsibility thereunder.
- iii. Inspection. After construction is complete, the customer shall notify the District, and the District may thereafter enter the premises and inspect the retrofit work to verify that the retrofit items are installed and properly functioning, and to perform required cross-connection and backflow prevention testing. The District may require the customer (or the customer's representative) and any construction contractor used to perform the retrofit work to be present during the final inspection. The District may pass, conditionally pass, or fail the work. If the construction work passes the inspection, the District will thereafter pay the customer's documented actual construction costs, provided that payment shall not exceed the approved construction cost estimate absent prior written approval by District.
- iv. Customer's Failure to Complete Retrofit Work. A customer required to perform retrofit work must complete the required work and be ready to receive delivery of recycled water no later than the date specified by the District. The District may extend the time to complete retrofit work in the reasonable exercise of its discretion if the customer shows good cause. Failure to timely complete retrofit work is a violation of this





# **REGULATIONS GOVERNING WATER SERVICE TO CUSTOMERS OF THE EAST BAY MUNICIPAL UTILITY DISTRICT**

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Regulation.

- v. Indemnification and Liability. A customer, by accepting payment or reimbursement from the District for recycled water retrofit work which is completed by the customer or by a contractor or agent retained by the customer, is required to indemnify, defend, and hold harmless the District and its Directors, officers, and employees, from and against any and all loss, liability, expense, claims, lawsuits, and damages, including reasonable attorney's fees, arising out of or pertaining or relating to the design, construction, and/or operation of the recycled water retrofit work. Furthermore, by providing any review, inspection, or approval of customer work or customer submittals, the District does not intend to warrant or represent that the work or submittals are adequate or sufficient to meet legal or permit requirements or to function for the customer's intended purpose, and the District shall not be liable to the customer or any other party for any claims or losses arising in connection therewith.

### **H. NEW CUSTOMER SERVICE APPLICATIONS AND VOLUNTARY CONVERSIONS**

#### **1. APPLICABILITY**

The provisions of this Subsection H (entitled "New Customer Service Applications and Voluntary Conversions") apply to the following applicants and customers:

- a. Each applicant for water service for a new or expanded nonpotable use who is required by the District to use recycled water pursuant to this Regulation.
- b. Each existing customer of the District who requests installation of additional recycled water service facilities to serve new development or to expand capacity.
- c. Each existing customer of the District who requests conversion from potable to recycled water service, where the conversion is not required by the District.

#### **2. COSTS FOR WHICH APPLICANTS AND CUSTOMERS ARE RESPONSIBLE**

Water users subject to this Subsection H shall be solely responsible for the full cost of all facilities and infrastructure necessary to deliver recycled water from the closest available recycled water facility to and within the premises. Water users are solely responsible to timely pay all applicable rates, charges, and fees in accordance with the District's Water System Schedules of Rates, Charges, and Fees and the Regulations Governing Water Service to Customers of the East Bay Municipal District. Failure to timely complete all work or to pay any sum due is a violation of this Regulation and will result in denial of water service.

#### **3. MAIN EXTENSIONS; CONDITIONAL SERVICE CONNECTIONS**

The District may require the installation of major recycled water main extensions with excess capacity to meet future customer demands in certain service areas. The District will evaluate the need and feasibility for main extension excess capacity on a case by case basis. The water



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user will only be charged for the size of the main required by District standards to serve the water user's recycled water demand. Extension of recycled water mains shall be subject to the requirements of Section 4 of the District's Regulations Governing Water Service to Customers of the East Bay Municipal District.

Section 3 of the Regulations Governing Water Service to Customers of the East Bay Municipal District specifies the conditions in which the District may locate a conditional service connection(s) at other than the principal frontage. The District may locate a conditional recycled water service connection(s) at other than the principal frontage if the conditions specified in Section 3 exist.

### **4. SYSTEM CAPACITY CHARGE**

An applicant for new or expanded service who is required by the District to use recycled water for nonpotable use(s) shall pay the applicable System Capacity Charge for Nonpotable Water Service before service is provided in accordance with applicable provisions of the Regulations Governing Water Service to Customers of the East Bay Municipal District and the Water System Schedules of Rates, Charges, and Fees.

### **5. OPERATION AND MAINTENANCE COSTS; RATES**

The customer is responsible for all costs of operating and maintaining the water service facilities for potable and recycled water on the customer's side of the water service meter(s) and for complying with all reporting and inspection requirements in accordance with District and State regulations, except where the District has determined that it would be in the best interests of the District to own, operate and maintain on-site treatment facilities on the customer's premises in which case the District may agree to accept responsibility for such costs. The customer shall pay the District's current nonpotable water rate for recycled water delivered to the customer. If recycled water is unavailable when construction is complete, the customer shall be liable to pay the District's current potable water rates until recycled water is available for delivery to the customer's premises.

## **I. ENFORCEMENT AND APPEALS**

### **1. ENFORCEMENT & REMEDIES**

The District may deny or hold in abeyance an application for new or expanded service if the applicant does not comply with this Regulation. The District may take enforcement action against an applicant or a District customer who does not comply with this Regulation, including any or all of the following actions:

- a. Denial or discontinuation of potable water service for nonpotable use.
- b. Installation of a flow restricting device on a customer's potable water connection, after a written warning to the customer and authorization by the General Manager or the Manager of the Customer and Community Services Department, to prevent the use of



# **REGULATIONS GOVERNING WATER SERVICE TO CUSTOMERS OF THE EAST BAY MUNICIPAL UTILITY DISTRICT**

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## **SECTION 30 RECYCLED WATER SERVICE**

potable water for nonpotable uses for which the District has determined that recycled water is available.

- c. Pursuit of an order from the State Water Resources Control Board requiring the water user to use recycled water.
  - d. Initiation of legal action to enforce this Regulation and require completion of required work.
  - e. Pursuit of any other legal or equitable remedy available to the District.
2. COSTS AND ATTORNEYS' FEES

The District may recover from any person or entity in violation of this Regulation the costs it incurs in connection with enforcing this Regulation, including staff time, and may seek attorneys' fees in any court action or proceeding.

### **3. APPEALS**

A water user aggrieved by a final decision made by the District in connection with this Regulation may seek relief by submitting a written appeal to the Manager of Water Supply Improvements within 30 days of the date of the decision. The appeal must describe (1) the decision at issue, (2) the specific relief requested, (3) a statement of facts which the appellant believes entitles the appellant to the requested relief, and (4) copies of all relevant supporting documentation or written evidence the appellant wishes the District to consider. The Manager of Water Supply Improvements or designee will consider the submitted material and any other relevant evidence and decide whether to (1) grant relief in whole or part or (2) affirm the original decision. The water user shall not be entitled to a hearing, except where a hearing is required by law. The decision of the Manager of Water Supply Improvements is final. This written appeal process is the exclusive means to seek further administrative review of a decision made in connection with this Regulation and failure to timely pursue this process shall be deemed a failure to exhaust administrative remedies.



# Section 31

## Water Efficiency Requirements

FY 2026



# **REGULATIONS GOVERNING WATER SERVICE TO CUSTOMERS OF THE EAST BAY MUNICIPAL UTILITY DISTRICT**

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PAGE NUMBER: 31-A

## **SECTION 31 WATER EFFICIENCY REQUIREMENTS**

These regulations identify the types of water efficiency requirements for water service and the procedure for notification to Applicants that water efficiency measures are required. Applicants shall be subject to the most current and most water-efficient requirements in effect on the date the District receives payment for new or upgraded service, whether specified by EBMUD or other local, state, or federal regulations.

### **A. DETERMINATION OF FEASIBILITY OF WATER EFFICIENCY MEASURES**

The District will review applications for new standard services and determine the applicability of, and compliance with, water-efficiency requirements. Applicants for increased or expanded service shall be required to meet the water-efficiency requirements for all new water service facilities and may be required to retrofit existing water service facilities or uses to comply with all requirements. Applicant shall maintain design documents and construction and installation records and furnish a copy of said documents and records to the District upon request. The District may inspect the installation of indoor and outdoor water efficiency measures to verify that the items are installed and performing to the required water efficiency levels. The Applicant or their representative may be present during any District inspection.

### **B. WATER EFFICIENCY REQUIREMENTS FOR NEW DEVELOPMENT OR EXPANDED SERVICE**

Water service shall not be furnished to any Applicant for new or increased or expanded service, or for any change in customer classification (such as a change from industrial to commercial, residential to commercial, or the like) that includes new or retrofitted water using equipment, unless all the applicable water-efficiency measures hereinafter described in this Section 31 and required by applicable local, state and/or federal law have been reviewed and approved by the District. All the applicable and required water-efficiency measures shall be installed at Applicant's expense.

All applicants applying for new water service for multi-family residential structures or mixed-use residential and commercial structures shall comply with all applicable local and/or state submetering regulations. Submeters shall be equipped with registers with an encoded output to allow for electronic reading of submeters and shall be accessible for maintenance and visual needs. Applicants shall submit site and plumbing plans including location, accessibility, and specifications for submeters. See Sections 2 and 3 of EBMUD Regulations for additional requirements.

### **C. INDOOR WATER USE**

- a. All Applicants shall comply with these regulations and those required by applicable local, state and/or federal law including the California Green Building Standards Code (CAL Green).
- b. Toilets shall be high-efficiency or dual flush models rated and third party tested at a maximum ~~average~~ flush volume of 1.28 gallons per flush (gpf), and be certified as passing a 350 gram or higher flush test as established by the U.S. Environmental



# **REGULATIONS GOVERNING WATER SERVICE TO CUSTOMERS OF THE EAST BAY MUNICIPAL UTILITY DISTRICT**

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PAGE NUMBER: 31-B

## **SECTION 31 WATER EFFICIENCY REQUIREMENTS**

Protection Agency WaterSense Specification or other District-accepted third-party testing entity. Pressure-assisted type toilets shall be high-efficiency rated at a maximum 1.0 gpf. No flush or conversion devices of any other kind shall be accepted.

- c. Wall mounted urinals shall have a maximum rated flow of 0.125 gpf or less, or be zero water consumption urinals.
- d. Floor mounted urinals shall have a maximum rated flow of 0.5 gpf or less.
- e. Single showerheads shall have a maximum flow rate of 1.8 gallons per minute (gpm) at 80 pounds of pressure per square inch (psi).
- f. Multiple showerheads serving a single shower enclosure shall have a combined flow rate of not more than 1.8 gpm at 80 psi or shall be designed to allow only a single showerhead to be operated at one time.
- g. Residential lavatory faucets shall have aerators or laminar flow control devices (i.e., orifices) with a maximum rated flow of 1.2 gallons per minute or less.
- h. Public lavatory faucets shall have aerators or laminar flow control devices with a maximum rated flow of 0.5 gallons per minute or less.
- i. Wash fountains shall have a maximum flow rate of not more than 1.8 gpm per wash station.
- j. Metering faucets shall not deliver more than 0.20 gallons per cycle.
- k. Kitchen faucets shall have aerators or laminar flow control devices (i.e., orifices) with a maximum rated flow of 1.8 gallons per minute or less with optional temporary flow of 2.2 gpm.
- l. Clothes washing machines shall be front loading horizontal axis or top loading models with a water factor rating of 4.5 or less. A water factor rating of 4.5 means a maximum average water use of 4.5 gallons per cubic foot of laundry.
- m. Residential dishwashers rated as standard size (i.e. 307 kWh/year) shall use less than or equal to 5.0 gallons/cycle. Dishwashers rated as compact size (i.e., 222 kWh/year) shall use less than or equal to 3.5 gallons/cycle.
- n. Cooling towers not utilizing recycled water shall be equipped with recirculating systems and operate at a minimum of five (5) cycles of concentration. Newly constructed cooling towers shall be operated with conductivity controllers, as well as make up and blowdown meters.
- o. Food steamers in all food service facilities shall be boiler-less or self-contained models using  $\leq$  3.0 gallons per hour where applicable.



# REGULATIONS GOVERNING WATER SERVICE TO CUSTOMERS OF THE EAST BAY MUNICIPAL UTILITY DISTRICT

PAGE NUMBER: 31-C

## SECTION 31 WATER EFFICIENCY REQUIREMENTS

- p. Ice machines shall be air-cooled and use no more than 20 gallons of water per 100 pounds of ice and shall be equipped with a recirculating cooling unit or water-cooled on a closed loop system.
- q. Commercial refrigeration shall be air-cooled or if water-cooled, must have a closed looped system. No once through, single pass systems are permitted.
- r. Pre-Rinse dishwashing spray valves shall have a maximum rated flow of 1.28 gpm or less.
- s. Food disposers shall modulate the use of water to no more than 1 gpm when the disposer is not in use and shall automatically shut off after no more than 10 minutes of inactivity. Disposers shall use no more than 8 gpm of water.
- t. Commercial dishwashers or ware washing equipment shall be currently labeled an EnergyStar rated water efficient model meeting the maximum water consumption limits as specified in the table below:

| Machine Type                | High Temp Requirements                | Low Temp Requirements                 |
|-----------------------------|---------------------------------------|---------------------------------------|
| Under Counter               | $\leq 0.86$ GPR                       | $\leq 1.19$ GPR                       |
| Stationary Single Tank Door | $\leq 0.89$ GPR                       | $\leq 1.18$ GPR                       |
| Pot, Pan, and Utensil       | $\leq 0.58$ GPSF                      | $\leq 0.58$ GPSF                      |
| Single Tank Conveyor        | $\leq 0.70$ GPR                       | $\leq 0.79$ GPR                       |
| Multiple Tank Conveyor      | $\leq 0.54$ GPR                       | $\leq 0.54$ GPR                       |
| Single Tank Flight Type     | $\leq \text{GPH} \leq 2.975x + 55.00$ | $\leq \text{GPH} \leq 2.975x + 55.00$ |
| Multiple Tank Flight Type   | $\leq \text{GPH} \leq 4.96x + 17.00$  | $\leq \text{GPH} \leq 4.96x + 17.00$  |

\*GPR (gallons per rack); GPSF (gallons per square foot); GPH (gallons per hour)

- u. Conveyor and in-bay vehicle wash facilities shall reuse a minimum of 60% of water from previous vehicle rinses in subsequent washes.
- v. Self-service vehicle wash facilities shall use spray nozzles with a flow rate of 3.0 gpm or less.
- w. Swimming pools and spas shall be covered when not in use, unless public health and safety concerns exist.

### D. OUTDOOR WATER USE

- a. All Applicants shall comply with all District water service regulations and those required by applicable local, state and/or federal law including the Model Water Efficient Landscape Ordinance (MWELI).



# **REGULATIONS GOVERNING WATER SERVICE**

## **TO CUSTOMERS OF THE EAST BAY MUNICIPAL UTILITY DISTRICT**

PAGE NUMBER: 31-D

### **SECTION 31**

### **WATER EFFICIENCY REQUIREMENTS**

- b. Applicants shall submit, at a minimum, a scaled site plan that identifies the property address, parcel boundaries, building footprints, hardscape, softscape, meter location, and location of each hose bib. If an application for service is submitted without a detailed landscape plan for the entire premises, the District will estimate the new irrigable landscape area to determine the potential irrigation demand (default demand) for inclusion in the total domestic water demand calculation. Projects subject to MWEL0 shall also provide a compliant landscape documentation package as required by the ordinance.
- c. All premises with 500 square feet or more of new irrigable landscape area shall install a modular weather-based smart controller with rain or soil moisture sensor, an irrigation connection with a manual shutoff valve, a backflow prevention device, a pressure regulator where pressure exceeds the operating range of system components, and sleeves allowing irrigation to extend to all landscape areas.
- d. All non-residential premises with 500 square feet or more of new irrigable landscape shall also install a flow sensor with master shutoff valve.
- e. All residential premises with more than 5,000 square feet of new irrigable landscape area shall also install a flow sensor with master shutoff valve.
- f. As provided in Sections 1 and 3 of the Regulations, unless determined by the District that a District-dedicated irrigation meter is required, a private dedicated irrigation meter shall be required for residential premises with an irrigable landscape area of 5,000 square feet or more.
- g. As provided in Sections 1 and 3 of the Regulations, unless determined by the District that a District-dedicated irrigation meter is required, a private dedicated irrigation meter shall be required for non-residential premises with an irrigable landscape area of more than 1,000 square feet but less than 5,000 square feet.
- h. As provided in Sections 1 and 3 of the Regulations, a District dedicated irrigation meter shall be required for non-residential premises with an irrigable landscape area of 5,000 square feet or more.

### **E. NONCOMPLIANCE**

The District will review applications for new and expanded services for water efficiency features as described in this Section. If an application does not meet the water efficiency requirements, the District may require the Applicant to resubmit a revised water service application and water efficiency plan at the Applicant's expense. The District may withhold water meter(s) and account activation until the District determines the application complies with the requirements of this Section.



# **REGULATIONS GOVERNING WATER SERVICE TO CUSTOMERS OF THE EAST BAY MUNICIPAL UTILITY DISTRICT**

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PAGE NUMBER: 31-A

## **SECTION 31 WATER EFFICIENCY REQUIREMENTS**

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# **REGULATIONS GOVERNING WATER SERVICE TO CUSTOMERS OF THE EAST BAY MUNICIPAL UTILITY DISTRICT**

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PAGE NUMBER: 31-B

## **SECTION 31 WATER EFFICIENCY REQUIREMENTS**

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# REGULATIONS GOVERNING WATER SERVICE TO CUSTOMERS OF THE EAST BAY MUNICIPAL UTILITY DISTRICT

PAGE NUMBER: 31-C

## SECTION 31 WATER EFFICIENCY REQUIREMENTS

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# **REGULATIONS GOVERNING WATER SERVICE TO CUSTOMERS OF THE EAST BAY MUNICIPAL UTILITY DISTRICT**

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PAGE NUMBER: 31-D

## **SECTION 31 WATER EFFICIENCY REQUIREMENTS**

- b. Applicants shall submit, at a minimum, a scaled site plan that identifies the property address, parcel boundaries, building footprints, hardscape, softscape, meter location, and location of each hose bib. If an application for service is submitted without a detailed landscape plan for the entire premises, the District will estimate the new irrigable landscape area to determine the potential irrigation demand (default demand) for inclusion in the total domestic water demand calculation. Projects subject to MWEL0 shall also provide a compliant landscape documentation package as required by the ordinance.
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- e. All residential premises with more than 5,000 square feet of new irrigable landscape area shall also install a flow sensor with master shutoff valve.
- f. As provided in Sections 1 and 3 of the Regulations, unless determined by the District that a District-dedicated irrigation meter is required, a private dedicated irrigation meter shall be required for residential premises with an irrigable landscape area of 5,000 square feet or more.
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- h. As provided in Sections 1 and 3 of the Regulations, a District dedicated irrigation meter shall be required for non-residential premises with an irrigable landscape area of 5,000 square feet or more.

### **E. NONCOMPLIANCE**

The District will review applications for new and expanded services for water efficiency features as described in this Section. If an application does not meet the water efficiency requirements, the District may require the Applicant to resubmit a revised water service application and water efficiency plan at the Applicant's expense. The District may withhold water meter(s) and account activation until the District determines the application complies with the requirements of this Section.

RESOLUTION NO. \_\_\_\_\_

ADOPTING REVISED WATER AND WASTEWATER SYSTEMS SCHEDULES OF RATES, CHARGES, AND OTHER FEES NOT SUBJECT TO PROPOSITION 218 FOR FISCAL YEAR 2026; ADOPTING REVISED REGULATIONS GOVERNING WATER SERVICE; CONFIRMING THE EXEMPTION DETERMINATION UNDER THE CALIFORNIA ENVIRONMENTAL QUALITY ACT; AND DIRECTING STAFF TO FILE A NOTICE OF EXEMPTION

Introduced by Director \_\_\_\_\_ ; Seconded by Director \_\_\_\_\_

WHEREAS, the Board of Directors of the East Bay Municipal Utility District (District) has reviewed and will consider adoption of the Fiscal Year 2026 (FY 2026) and Fiscal Year 2027 (FY 2027) Biennial Budget (Biennial Budget), which is reflected in the Proposed Biennial Budget Fiscal Years 2026 and 2027, Volumes 1 and 2, for expenditures necessary and advisable for the proper conduct of the activities of the District; and

WHEREAS, in June 2021, Stantec Consulting Services, Inc., completed a capacity fee study for the Water System (Water System Capacity Charge [SCC] Study); the Water SCC Study is attached as Exhibit D and is incorporated herein by reference; and

WHEREAS, in May 2019, Raftelis Financial Consultants, Inc., completed a cost-of-service (COS) and capacity fee study for the District's Wastewater System (WCF Study); the WCF Study is attached as Exhibit E and is incorporated herein by reference; and

WHEREAS, in accordance with Section 14401 of the California Public Utilities Code, on May 13, 2025 the General Manager filed with the Board of Directors the Report and Recommendation of the General Manager for Revisions to the Water and Wastewater Schedules of Rates and Charges, Capacity Charges, and Other Fees Not Subject to Proposition 218 for Fiscal Year 2026 and to Select Regulations (GM Report and Recommendation), in which the General Manager recommends the District's Board of Directors adopt the proposed rates, charges, and other fees; the GM Report and Recommendation is incorporated herein by reference; and

WHEREAS, the rates, charges, and other fees, including the proposed revisions thereto, as described in this Resolution are not subject to article XIII D, section 6 of the California Constitution (Proposition 218); and

WHEREAS, public workshops on the District's budget and rates were conducted on January 28, 2025 and March 25, 2025 and a public workshop on the District's infrastructure was conducted on November 26, 2024; and

WHEREAS, a public hearing, noticed in the manner and for the time required by law, was conducted by the Board of Directors on June 10, 2025, at which times all interested persons were afforded an opportunity to be heard on matters pertaining to the proposed water and wastewater rates, charges, and other fees; and

WHEREAS, all comments, objections, protests, and challenges pertaining to the GM Report and Recommendation and the recommendations therein have been given full opportunity to be heard by the Board of Directors; and

WHEREAS, the Board of Directors has fully considered the GM Report and Recommendation, and any and all of such aforesaid comments, objections, protests, and challenges; and

WHEREAS, the proposed rates, charges, and other fees as described above and as further set forth in this Resolution are subject to, and have been adopted in compliance with, Chapter 11.5 of the Municipal Utility District Act (Public Utilities Code section 14401, et seq.); and

WHEREAS, the District has issued and has maintained Regulations Governing Water Service (Regulations), which from time to time, are revised; and

WHEREAS, the Board of Directors now desires to adopt and to impose the proposed water and wastewater rates, charges, and other fees; and

WHEREAS, the Board of Directors now desires to make revisions to select Regulations; and

WHEREAS, the District, as the lead agency under the California Environmental Quality Act (CEQA), in consultation with the District's legal counsel, has determined that adoption of the rates, charges, and fees set forth in this Resolution is exempt from CEQA review under Public Resources Code section 21080(b) and CEQA Guidelines section 15273 because the rates, charges, and fees are necessary and reasonable to fund the administration, operation, maintenance, and improvements of the Water and Wastewater Systems and will not result in the expansion of the Water and Wastewater Systems. This exemption determination is supported by the GM Report and Recommendation and the foregoing Recitals. Further, the District has determined that the adoption of the rates, charges, and fees set forth in this Resolution is also exempt from the requirements of CEQA as an action with no possibility of causing a significant effect on the environment;

NOW, THEREFORE, BE IT RESOLVED that the Board of Directors of the East Bay Municipal Utility District hereby finds and determines the following:

1. The foregoing Recitals are true and correct, and by this reference are incorporated herein and made a part hereof.
2. The rates, charges and other fees not subject to Proposition 218 adopted herein are imposed, where applicable, to recover the reasonable costs of providing the relevant services. The charges adopted herein are not imposed upon real property or upon a person as an incident of property ownership and were not calculated or developed on the basis of any parcel map, including an assessor's parcel map.
3. The purpose of the SCC and the Standard Participation Charge (SPC) is to finance facilities necessary to provide service to new or expanded development that will be served by the District. Each is levied only as a condition of extending or initiating service upon the request of a customer. The SCC and SPC are charges for public facilities in

existence at the time the charge is imposed or for new public facilities to be acquired or constructed in the future that are of proportional benefit to the person or property being charged, including supply or capacity contracts for rights or entitlements, real property interests, and entitlements and other rights of the District involving capital expense relating to its use of existing or new public facilities. The SCC reflects the findings and recommendations of the SCC Study.

4. The revisions to the SCC, as set forth in Schedule J – System Capacity Charge (SCC), which is attached as part of Exhibit A hereto, are necessary and appropriate to reflect updates for construction cost escalation, depreciation, additional facilities and future supply projects, and outstanding debt balance.
5. The revisions to the SPC, as set forth in Schedule H – Standard Participation Charge (SPC), which is attached as part of Exhibit A hereto, are necessary and appropriate to reflect the allowable costs for facilities necessary to serve applicants who had separate facility agreements with the District prior to July 1, 1983.
6. The revisions to the Water Demand Mitigation Fees, set forth in Schedule N – Water Demand Mitigation Fees, which is attached as part of Exhibit A hereto, are necessary and appropriate to reflect the latest future water supply costs and to reflect the latest U.S. City Average of the Consumer Price Index.
7. The facts and evidence presented to the Board of Directors establish that there is a reasonable relationship between the need for the identified facilities and the impacts of the types of development for which the SPC, SCC, and Water Demand Mitigation Fees are charged, and there is a reasonable relationship between the use of those fees to finance facilities necessary to provide a supply of water to new development and the type of development for which the fees are charged. The District's methodology appropriately allocates to the aforesaid fees the costs related to augmenting the District's water supply facilities to satisfy increased demand associated with development within the District's existing service area. None exceeds the estimated reasonable cost of providing the service for which it is imposed.
8. The purpose of the WCF is to recover the costs of providing wastewater treatment capacity for new or expanded system use. It is levied only as a condition of extending or initiating service upon the request of a customer. The WCF is a charge for public facilities in existence at the time the charge is imposed that is of proportional benefit to the person or property being charged, including supply or capacity contracts for rights or entitlements, real property interests, and entitlements and other rights of the District involving capital expense relating to its use of existing or new public facilities. The revisions to the WCF, as set forth in Schedule G – Wastewater Capacity Fees, which is attached as part of Exhibit B hereto, are necessary and appropriate to reflect updates for construction cost escalation, depreciation, additional facilities, and outstanding debt balance. The proposed WCF reflects the findings and recommendations of the WCF Study.

9. The revisions to the WCF, set forth in Schedule G – Wastewater Capacity Fees, which is attached as part of Exhibit B hereto, include updates for the construction of additional facilities and construction cost escalations.
10. The facts and evidence presented to the Board of Directors establish that there is a reasonable relationship between the need for the identified facilities and the impacts of the types of development for which the WCF is charged, and there is a reasonable relationship between the use of those fees to finance facilities to new development and the type of development for which the fees are charged.
11. The revisions to Schedule B – Account Establishment Charge, Schedule C – Charges for Special Services, Schedule D – Water Service Installation Charges, Schedule E – Private Fire Service Installation Charges, Schedule F – Public Fire Hydrant Installation Charges, and Schedule G – Water Main Extension Charges, which are attached as part of Exhibit A, and to Schedule C – Industrial Permit Fees, Schedule D – Other Fees, Schedule E – Testing Fees, Schedule F – Resource Recovery Fees and Prices, and Schedule H – Wastewater Interceptor Connection Review, Coordination and Inspection Fees, which are attached as part of Exhibit B, are implemented to revise the charges in these schedules to reflect reasonable costs.
12. The revisions to the Regulations and are as follows: Section 1– Explanation of Terms Used in These Regulations, to update regulatory references for Accessory Dwelling Unit and Junior Accessory Dwelling Unit; Section 4 – Main Extensions, to add a consideration for traffic conditions and heavily traveled roads for separate parallel water mains; Section 17 – Change in Use and/or Size of Service, to update the California Government Code reference; Section 26 – Protection of Public Water Supply, to update regulatory references, expand on backflow prevention requirements, clarify customer’s maintenance responsibilities, incorporate an annual reporting requirement, clarify responsibility for device upgrades, and clarify conditions for service disconnection; Section 30 – Recycled Water Service, to rename the regulation to Recycled Water Services and to include stricter compliance requirements, detail cost responsibilities, outline a permit process, add interim potable water provisions, and enhance enforcement measures; and Section 31 – Water Efficiency Requirements, to update the measurement for indoor water use for toilets.
13. The Public Records Act Fee Schedule, Real Property Use Application Fees, and Recreation Use Fees are imposed for specific products, services, benefits, and privileges provided, or for entrance to, use of, rental of, or lease of property and those rates, charges, and fees do not exceed the reasonable costs to the District of providing those products, benefits, privileges, and services to the payors, or in the case of fees for entrance to, use of, rental of, or lease of property, the fees do not exceed the reasonable value of the property interest provided. These rates, charges, and fees were determined by the District based upon evidence regarding such costs, and the revisions thereto set forth herein are necessary to reflect reasonable costs, as determined by the District based upon evidence regarding such costs.

BE IT FURTHER RESOLVED:

14. All objections and protests to the GM Report and Recommendation are hereby overruled and denied and said GM Report and Recommendation is hereby accepted and approved.
15. Schedule B – Account Establishment Charge, Schedule C – Charges for Special Services, Schedule D – Water Service Installation Charges, Schedule E – Private Fire Service Installation Charges, Schedule F – Public Fire Hydrant Installation Charges, Schedule G – Water Main Extension Charges, Schedule H – Standard Participation Charge (SPC), Schedule J – System Capacity Charge (SCC), and Schedule N – Water Demand Mitigation Fees beginning FY 2026, and the revised Section 1 – Explanation of Terms Used in These Regulations, Section 4 – Main Extensions, Section 17 – Change in Use and/or Size of Service, Section 26 – Protection of Public Water Supply, Section 30 – Recycled Water Service, and Section 31 – Water Efficiency Requirements of the Regulations, all contained in Appendix A of the GM Report and Recommendation, and all attached hereto as part of Exhibit A, are hereby adopted and the charges and provisions therein contained are hereby fixed and established to be effective July 1, 2025 for services rendered on or after July 1, 2025.
16. Schedule C – Industrial Permit Fees, Schedule D – Other Fees, Schedule E – Testing Fees, Schedule F – Resource Recovery Fees and Prices, Schedule G – Wastewater Capacity Fees, and Schedule H – Wastewater Interceptor Connection Review, Coordination and Inspection Fees beginning FY 2026, all contained in Appendix A of the GM Report and Recommendation, and all attached hereto as part of Exhibit B, are hereby adopted and the charges and provisions therein contained are hereby fixed and established to be effective July 1, 2025 for services rendered on or after July 1, 2025.
17. The Public Records Act Fee Schedule and the Real Property Use Application Fees contained in Appendix A of the GM Report and Recommendation, and attached hereto as Exhibit C, are hereby fixed and established to be effective July 1, 2025 for services rendered on or after that date.
18. The Recreation Use Fees for Calendar Year 2026, contained in Appendix A of the GM Report and Recommendation, and attached hereto as part of Exhibit C, are hereby fixed and established to be effective January 1, 2026 unless otherwise specified for services rendered on or after that date.
19. As set forth more fully above and as evidenced by the GM Report and Recommendation, the aforesaid actions constitute modification and approval of rates and other charges for the purpose of meeting operating expenses, including employee wage rates and fringe benefits; purchasing or leasing supplies, equipment, or material; meeting financial reserve needs and requirements; or obtaining funds for capital projects necessary to maintain service in the existing service area; and the Board of Directors therefore confirms the District's determination that its aforesaid actions are exempt from the requirements of CEQA. The Board of Directors further confirms the District's determination that these actions are exempt from the requirements of CEQA because there is no possibility that adoption of the rates, charges, and other fees set forth herein will have a significant effect

on the environment. Therefore, the Board of Directors hereby directs the Secretary of the District to file a Notice of Exemption in accordance with applicable statutes and regulations with the County Clerks of Alameda, Amador, Calaveras, Contra Costa, and San Joaquin Counties.

BE IT FURTHER RESOLVED:

20. If any section, subsection, clause or phrase in this Resolution or the application thereof to any person or circumstances is for any reason held invalid, the validity of the remainder of this Resolution or the application of such provisions to other persons or circumstances shall not be affected thereby and shall remain in full force and effect until modified or superseded by action of the Board of Directors. The Board of Directors hereby declares that it would have passed this Resolution and each section, subsection, sentence, clause, or phrase thereof, irrespective of the fact that one or more sections, subsections, sentences, clauses or phrases or the application thereof to any person or circumstance be held invalid.

BE IT FURTHER RESOLVED:

21. The appropriate officers of the District are hereby authorized and directed to take such actions as shall be necessary to impose, enforce and collect said rates, charges, other fees, and regulations.
22. This Resolution shall take effect immediately upon its adoption, provided that the revised rates, charges, and other fees shall take effect at the times stated herein.

ADOPTED this 10th day of June, 2025 by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

ATTEST:

\_\_\_\_\_  
President

\_\_\_\_\_  
Secretary

APPROVED AS TO FORM AND PROCEDURE:

\_\_\_\_\_  
General Counsel

# **EXHIBIT A**



## Schedule B

### Account Establishment Charge

FY 2026



## SCHEDULE B – ACCOUNT ESTABLISHMENT CHARGE

EFFECTIVE 07/01/2025

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The charge for establishing a new account or for transferring an account for a customer moving from one address to another within the District's service area is \$76 with the following exceptions:

- Customers in the Customer Assistance Program shall be charged \$38.
- Landlords requiring temporary water service for a period not to exceed 60 days shall be charged \$38, with the balance of the Account Establishment Charge billed for water service that exceeds 60 days.
- There will be no transfer fee to change the name of an account when the responsible party is a landlord who has signed an intervening water service agreement.
- There will be no transfer fee to change the name of an account when the same person or entity is to remain responsible.
- Customers may use the EBMUD website and use the online process to electronically set up a new account or transfer an existing account from one address to another when they move. The charge for electronically establishing a new account or electronically transferring an existing account for a single-family residence customer is \$60.

# Schedule C

## Charges for Special Services

FY 2026



## SCHEDULE C – CHARGES FOR SPECIAL SERVICES

EFFECTIVE 07/01/2025

### A. METER TESTING

Charges for meter testing will be in accordance with the following schedule:

| <u>SIZE OF METER</u> | <u>TESTING CHARGES</u>                     |
|----------------------|--|
| 5/8", 3/4", and 1"   | \$76                                       |
| 1-1/2" and 2"        | \$76 On Site<br>\$171 Pull/Test            |
| 3" and larger        | \$342 On Site<br>Actual Cost Pull and Test |

### B. SERVICE INTERRUPTION

|  |       |
|--|-------|
| The charge for shutting off water service due to non-payment of a water bill                       | \$50  |
| The charge for restoring service after payment has been received during regular office hours       | \$50  |
| The charge for restoring service between 5 p.m. and 8 a.m. or on Saturday, Sunday, or on a holiday | \$89  |
| An additional charge to lock or plug the meter due to non-payment or unauthorized water use        |       |
| S-Lock   | \$81  |
| Plug   | \$538 |

A service interruption charge of \$50 may be charged in the event of any additional field stops to shut off service beyond the initial service interruption, including EBMUD locking the meter if the customer self-restores water service prior to making payment. (See Section M.)

### C. RETURNED PAYMENT CHARGE

A charge of \$27 shall be paid for each check or electronic transaction received as payment to the District that is returned unpaid from a financial institution.

### D. PROCESSING FEES FOR DELINQUENT CHARGE COLLECTION THROUGH LIENS AND PROPERTY TAX BILLS ON MULTI-FAMILY AND SINGLE-FAMILY RESIDENTIAL ACCOUNTS

For multi-family residential accounts, the District may place liens on parcels with unpaid charges and collect unpaid amounts on parcels' property tax bills. Multi-family residential accounts are residential accounts where a water meter serves two or more dwellings. The District may place liens on parcels with unpaid charges and collect unpaid amounts on parcels' property tax bills for single-family residential accounts meeting the criteria defined in Section 15A of the District's Regulations Governing Water Service.



## SCHEDULE C – CHARGES FOR SPECIAL SERVICES

EFFECTIVE 07/01/2025

- 
- |  |   |
|--|---|
| 1. Lien Filing Fee   | \$169 per lien (in Alameda County)<br><br>\$145 per lien (in Contra Costa County)   |
| 2. Lien Removal Fee  | \$123 (in Alameda County) and<br>\$119 (in Contra Costa County) for first<br>lien removed<br><br>\$56 (in Alameda County) and \$52 (in<br>Contra Costa County) for each additional<br>lien removed at the same time |
| 3. Property Tax Transfer Fee Unpaid<br>Charges with Liens Recorded | \$24 + 1.7% of the lien amount (in<br>Alameda County)<br><br>\$24 + \$3 per parcel (in Contra Costa<br>County)  |

### E. PROHIBITED WATER USE CHARGE

A charge of \$50 shall be paid to cover the monitoring costs incurred by the District if, after written notification, excessive or prohibited water use is not curtailed.

### F. FLOW-RESTRICTOR INSTALLATION

The charge for District installation of a flow-restricting device on any service, for reasons the District deems necessary, including continued excessive water use, after written notification, will be in accordance with the following schedule:

1. On services two-inches and smaller –

|               |       |
|---------------|-------|
| 5/8" and 3/4" | \$161 |
| 1"            | \$161 |
| 1-1/2"        | \$346 |
| 2"            | \$346 |

2. All others –

The charges for installing flow-restricting devices on water services, other than those in the above schedule, shall be the reasonable estimated cost for the work including installing the device, as determined by the District, including engineering, equipment, material, consumables, labor, and related expenses.



## SCHEDULE C – CHARGES FOR SPECIAL SERVICES

EFFECTIVE 07/01/2025

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### G. NOTICE OF PROHIBITED WATER USE AND FLOW-RESTRICTOR CHARGES

For the purposes of Sections E and F above, written notification shall:

1. Specify the date by which excessive or prohibited water use must be curtailed to avoid further enforcement action; and
2. Be sent by certified mail (return receipt requested) or by other written means which would be sufficient for obtaining personal service in a legal proceeding.

### H. RESCINDED 12/10/96

### I. BACKFLOW DEVICE ANNUAL CERTIFICATION CHARGE

Where an approved backflow prevention device of the proper type is required at the customer's expense. See Section 26 of the District's Regulations Governing Water Service.

1. The charge for administering the Backflow Program Certification for all specified accounts (annually) \$73
2. The charge for District staff to conduct a hazard assessment for a backflow/cross connection inspection \$173/hr.
3. The charge for backflow testers to be placed on the District's list of certified testers \$211

### J. BACKFLOW DEVICE VIOLATION

For those customers where the service has been terminated for failure to meet the District's Backflow Program requirements, a charge will be made pursuant to the termination and restoration of service \$737

### K. LATE PAYMENT PENALTY AND INTEREST

For those customers with outstanding overdue balances exceeding \$10 at billing, a charge equivalent to 1.5 percent of the overdue balance (minimum charge \$1) will be made to recover foregone interest on District money and the District's costs to process overdue accounts. Customers in the Customer Assistance Program shall be exempt from the late payment penalty and interest.

### L. PROCESSING FEE FOR INTERVENING WATER SERVICE AGREEMENT

The charge for the District to process an intervening water service agreement for a participating landlord in the District's automated landlord sign-on service \$87

Requests to modify intervening water service agreement property account information must be submitted in writing and can be dropped off, mailed, or faxed to a District business office.



## SCHEDULE C – CHARGES FOR SPECIAL SERVICES

EFFECTIVE 07/01/2025

The charge for each written request to modify the original intervening water service agreement by adding to or deleting property account information from the original agreement \$87

### M. SERVICE TRIP CHARGE

The charge for District staff to perform special services for customers \$50

The charge may be applied for, but is not limited to, the following:

1. Additional field stops beyond the initial service interruption to shut off service due to non-payment, including a field stop to lock the meter if the customer self-restores water service prior to making payment;
2. Follow-up site visits to customers who have not complied after the District's notification to correct an obstructed meter condition or to remove unauthorized devices or equipment attached to District property in the meter box; and
3. Field inspections conducted at the customer's request.

### N. PUBLIC HYDRANT METER ACCOUNT ESTABLISHMENT CHARGES

Customers may request a hydrant meter that can be hooked up to a public fire hydrant to measure water use at a property site. Customers are required to: 1) provide hydrant meter readings every two months, within two weeks of the meter read due date; 2) return hydrant meter equipment within one month following a meter use period; and 3) renew the hydrant meter permit and exchange the hydrant meter equipment within 11 months from the date of issuance, if continued use is desired.

The charge to establish water service for a hydrant meter \$155

The charge to renew a hydrant meter account at the end of a 12-month period \$155

Hydrant meter security deposit (1" meter with backflow device) \$859

Hydrant meter security deposit (3" meter without backflow device) \$1,490

Hydrant meter security deposit (3" meter with backflow device) \$2,614

The District will determine the type of hydrant meter needed based on information submitted by the applicant. The District's decision shall be final.

If a field stop is required to establish a new account, a \$310 site visit charge shall be paid in addition to the \$145 account establishment charge (See Section O.)

### O. PUBLIC HYDRANT METER ACCOUNT SITE VISIT CHARGE

The charge for a Field Services Representative to conduct a hydrant meter site visit to perform special services for customers \$310



## **SCHEDULE C – CHARGES FOR SPECIAL SERVICES**

**EFFECTIVE 07/01/2025**

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The charge shall be applied for, but is not limited to, the following:

1. Reading hydrant meters for which the two-month reading was not submitted by the customer;
2. Retrieving hydrant meter equipment from a customer site;
3. Delivering hydrant meter equipment to a customer; and
4. Establishing or renewing a hydrant meter account in the field.



# Schedule D

## Water Service Installation Charges

FY 2026



## SCHEDULE D – WATER SERVICE INSTALLATION CHARGES

EFFECTIVE 07/01/2025

Requests for the installation of a water service or changes to a water service must comply with all applicable District Regulations Governing Water Service.

### A. INSTALLING A SERVICE

The charge for installing water service (meter, lateral, and appurtenances), including a private fire service requiring a meter that is smaller than 4 inches, will be in accordance with the following schedule. The charge for installing a private fire service meter that is 4 inches or larger is set forth in Schedule E – Private Fire Service Installation Charges.

#### 1. METERS SMALLER THAN FOUR INCHES

##### a. Regular Services (1 meter per lateral)

| LATERAL AND<br>METER SIZE                            | INSTALLED IN<br>PAVED<br>CONDITIONS <sup>1</sup> | INSTALLED IN<br>UNPAVED<br>CONDITIONS <sup>2</sup> |
|--|--|--|
| 1" and smaller<br>Lateral with 1"<br>and under meter | \$11,878   | \$6,633  |
| 1-1/2" Lateral with 1-<br>1/2" and under meter       | 19,162   | 11,786   |
| 2" Lateral with 2"<br>and under meter                | 19,162   | 11,786   |
| 3" <sup>3</sup> Lateral with 3"<br>and under meter   | 41,255   | 28,427   |
| 4" <sup>3</sup> Lateral with 4"<br>and under meter   | 41,255   | 28,427   |
| 6" Lateral with 6"<br>and under meter                | 58,664   | 40,251   |
| 8" Lateral with 8"<br>and under meter                | 58,664   | 40,251   |

<sup>1</sup> Paved conditions are areas already paved and with existing utilities, curb, gutter, and asphalt in place. Paved conditions also include areas where more utilities than sanitary sewer or storm drain exist.

<sup>2</sup> Unpaved conditions are limited to conditions where paving has not previously existed and the only existing utilities are sanitary sewer and storm drain. The conditions of the site must not include asphalt, curb, gutter, paving, or first or final lift.

<sup>3</sup> Requires steel pipes.



## SCHEDULE D – WATER SERVICE INSTALLATION CHARGES

EFFECTIVE 07/01/2025

b. Branch Services (2 or more meters per lateral)

| METER SIZE  | # OF METERS | INSTALLED IN PAVED CONDITIONS <sup>4</sup> | INSTALLED IN UNPAVED CONDITIONS <sup>5</sup> |
|-------------|-------------|--|--|
| 5/8" Meters | 2           | \$12,691                                   | \$7,446                                      |
|             | 3           | 20,226                                     | 12,841                                       |
|             | 4           | 21,039                                     | 13,654                                       |
|             | 5           | 21,852                                     | 14,467                                       |
|             | 6           | 22,665                                     | 15,279                                       |
|             | 7           | 23,478                                     | 16,092                                       |
|             | 8           | 24,290                                     | 16,905                                       |
| 1" Meters   | 2           | 19,413                                     | 12,028                                       |
|             | 3           | 20,226                                     | 12,841                                       |
|             | 4           | 21,039                                     | 13,654                                       |

c. Adjustment for Applicant Assisted Service Installations

Applicants requesting installation of at least 15 service laterals may choose to provide their own trenching and backfilling and be eligible to receive a refund of up to \$666 per service lateral installed provided that the applicant:

- (i) pays the appropriate charges for each service as specified in sections (a) or (b) above.
- (ii) clears the construction site of obstructing materials and equipment.
- (iii) excavates a minimum of 15 service laterals ahead of District crews.
- (iv) hauls sand and select backfill to the construction site for use by District crews in supporting the service lateral and for applicant backfilling of trenches.
- (v) backfills and compacts the trenches after District crews have installed and properly secured the service lateral.
- (vi) reimburses the District for (1) unproductive crew standby due to applicant's failure to prepare the site or excavate trenches in advance; (2) District costs to repair damage done by applicant's trenching operation; (3) other reasonable District costs.

<sup>4</sup> Paved conditions are areas already paved and with existing utilities, curb, gutter, and asphalt in place. Paved conditions also include areas where more utilities than sanitary sewer or storm drain exist.

<sup>5</sup> Unpaved conditions are limited to conditions where paving has not previously existed, and the only existing utilities are sanitary sewer and storm drain. The conditions of the site must not include asphalt, curb, gutter, paving, or first or final lift.



## SCHEDULE D – WATER SERVICE INSTALLATION CHARGES

EFFECTIVE 07/01/2025

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### 2. ALL OTHERS

The charge or credits for installing all water services other than those specified in Section (A)(1) of this schedule shall be the reasonable estimated cost for the work including installing the service, as determined by the District, including engineering, equipment, material, consumables, labor, and related expenses.

### **B. COST OF INCREASING METER SIZE (Up to available capacity on existing lateral)**

|                                |                      |
|--------------------------------|----------------------|
| 1" and smaller Tap and Lateral | \$1,512 <sup>6</sup> |
| 1-1/2" Tap and Lateral         | \$1,603 <sup>6</sup> |
| 2" Tap and Lateral             | \$1,603 <sup>6</sup> |
| 4" Tap and Lateral             | \$1,603 <sup>6</sup> |
| 4" Tap and Lateral             | \$9,565 <sup>6</sup> |

### **C. COST OF REDUCING METER SIZE**

|                            |                      |
|----------------------------|----------------------|
| 1", 1-1/2" and 2" Laterals | \$1,486 <sup>6</sup> |
| 3" and 4" Laterals         | \$4,059 <sup>6</sup> |

### **D. RELOCATING AN EXISTING SERVICE**

1. To relocate an existing service perpendicular to the curb line or a distance not exceeding five feet parallel to the curb line, a charge will be \$3,102.
2. To transfer service or to relocate an existing service a distance exceeding five feet parallel to the curb line, a charge will be made in accordance with Section A – Installing a Service plus the cost of eliminating old service connection.

### **E. RESETTling OR REPLACING A METER**

There will be a charge equivalent to 5 percent of the water service installation charge for resetting a meter on an existing service connection.

There will be a charge equivalent to 5 percent of the water service installation charge for replacing a meter when applicants lose or damage meters when constructing new developments.

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<sup>6</sup> Additional charge of \$600 if concrete replacement required.



## SCHEDULE D – WATER SERVICE INSTALLATION CHARGES

EFFECTIVE 07/01/2025

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### **F. CONVERSION OF INDIVIDUAL SERVICE TO BRANCH SERVICE AND CONVERSION OF BRANCH SERVICE TO INDIVIDUAL SERVICE**

(Multi-metering, when feasible)

Branch Conversion      \$2,812<sup>6</sup> for two meter conversion, \$813<sup>6</sup> for each additional meter

### **G. SERVICE ELIMINATIONS**

3/4" to 2"      \$2,888<sup>6</sup>

3" to 12"      \$4,885<sup>6</sup>

### **H. INSTALLATION OR OTHER WORK UNDER UNUSUAL CONDITIONS**

The above charges apply to installation charges for water services four inches and smaller except where there are unusual or special conditions, for example but not limited to traffic control, permit conditions, underground street utility congestions, known potential for archeological or paleontological resources, contaminated soils, and streets with multi-layered surface types, which, in the opinion of the District, would result in the need for additional services and materials, including but not limited to added testing and inspection, changes due to project revisions, property rights evaluation, clean soil utility corridor establishment, and any construction by District forces to complete the installation. In such cases, the charge will be based on the District's reasonable estimated cost for the work including all engineering, material, equipment, labor, consumables, and related expenses incidental to the installation.

# Schedule E

## Private Fire Service Installation Charges

FY 2026



## SCHEDULE E – PRIVATE FIRE SERVICE INSTALLATION CHARGES

EFFECTIVE 07/01/2025

Requests for the installation of a private fire service must comply with all applicable District Regulations Governing Water Service.

### A. INSTALLING A PRIVATE FIRE SERVICE

The charge for installing a private fire service (fire service meter, lateral, and other appurtenances necessary to support a property's fire sprinkler system) will be in accordance with the following schedule:

| METER SIZE | INSTALLED IN PAVED CONDITIONS <sup>1</sup> | INSTALLED IN UNPAVED CONDITIONS <sup>2</sup> |
|------------|--|--|
| 4"         | \$34,531                                   | \$21,695                                     |
| 6"         | 37,201                                     | 24,364                                       |
| 8"         | 51,732                                     | 33,320                                       |

The typical private fire service installation will require a meter that is 4" or larger. Cost to install a meter smaller than 4" is shown in Schedule D – Water Service Installation Charges, Section A.1 – Installing a Service, Meters Smaller Than Four Inches.

The cost to install a meter 10" or larger shall be the reasonable estimated cost, as determined by the District, for the work to install the service, including engineering, equipment, material, consumables, labor, and related expenses.

### B. INSTALLATION UNDER UNUSUAL CONDITIONS

The above charges apply to all installation charges for private fire services except when there are unusual or special conditions, for example but not limited to traffic control, permit conditions, underground street utility congestion, known potential for archaeological or paleontological resources, contaminated soils, and streets with multi-layered surface types, which, in the opinion of the District, would result in the need for additional services and materials, including but not limited to added testing and inspection, changes due to project revisions, property rights evaluation, site conditions or contaminated soil, clean soil utility corridor establishment, and any construction by District forces to complete the installation. In such cases, the charge will be based on the District's reasonable estimated cost for the work including all engineering, material, equipment, consumables, labor, and related expenses incidental to the installation.

<sup>1</sup> Paved conditions are areas already paved and with existing utilities, curb, gutter, and asphalt in place. Paved conditions also include areas where more utilities than sanitary sewer or storm drain exist.

<sup>2</sup> Unpaved conditions are limited to conditions where paving has not previously existed and the only existing utilities are sanitary sewer and storm drain. The conditions of the site must not include asphalt, curb, gutter, paving, or first or final lift.

# Schedule F

## Public Fire Hydrant Installation Charges

FY 2026





## SCHEDULE F – PUBLIC FIRE HYDRANT INSTALLATION CHARGES

EFFECTIVE 07/01/2025

Requests for the installation, removal, or relocation of a fire hydrant must comply with all applicable District Regulations Governing Water Service.

The following charges will be made for the installation, removal, or relocation of a fire hydrant.

### A. HYDRANT INSTALLATION BY THE DISTRICT

The charge for installation of a fire hydrant by the District on an existing main or on/with new mains is \$36,399 in paved<sup>1</sup> and \$23,563 unpaved<sup>2</sup> conditions.

For hydrants installed by applicant on/with new mains installed by the Applicant see Section B below.

### B. HYDRANT INSTALLATIONS BY APPLICANT ON APPLICANT-INSTALLED MAIN EXTENSIONS

- |  |               |
|--|---------------|
| 1. Basic charge for materials and handling for 6-inch fire hydrant | \$5,421       |
| 2. Material charge for services laterals                           | \$21 per foot |

NOTE: Applicants will not be permitted to install a fire hydrant on an existing main.

### C. HYDRANT REMOVAL

- |   |         |
|---|---------|
| 1. The charge to remove a hydrant located in paved <sup>1</sup> sidewalk  | \$4,885 |
| 2. The charge to remove a hydrant located in unpaved <sup>2</sup> surface | \$3,020 |

### D. RELOCATION OF A FIRE HYDRANT

The charge for the relocation of a hydrant will be the charge for the hydrant removal (Section C) plus the charge for the installation of a new hydrant (Section A).

### E. SETBACK/OFFSET OF A FIRE HYDRANT

Where the relocation of a fire hydrant does not require a new connection to the main, the charge is \$12,021. There is an additional charge of \$600 for concrete replacement.

### F. REPLACEMENT OF A HYDRANT BODY

To replace an existing hydrant with a MODEL-64 hydrant body or equivalent on a wet barrel, above ground shutoff type hydrant, the replacement charge is \$1,951.

<sup>1</sup> Paved conditions are areas already paved and with existing utilities, curb, gutter, and asphalt in place. Paved conditions also include areas where more utilities than sanitary sewer or storm drain exist.

<sup>2</sup> Unpaved conditions are limited to conditions where paving has not previously existed and the only existing utilities are sanitary sewer and storm drain. The conditions of the site must not include asphalt, curb, gutter, paving, or first or final list.



## SCHEDULE F – PUBLIC FIRE HYDRANT INSTALLATION CHARGES

EFFECTIVE 07/01/2025

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### **G. INSTALLATION UNDER UNUSUAL CONDITIONS**

The above charges apply to all installation charges for fire hydrant installations except when there are unusual or special conditions, for example but not limited to traffic control, permit conditions, underground street utility congestion, known potential for archaeological or paleontological resources, contaminated soils, and streets with multi-layered surface types, which, in the opinion of the District, would result in the need for additional services and materials, including but not limited to added testing and inspection, changes due to project revisions, property rights evaluation, clean soil utility corridor establishment, site conditions or contaminated soil, and any construction by District forces to complete the installation. In such cases, the charge will be based on the District's reasonable estimated cost for the work including all engineering, material, equipment, consumables, labor, and related expenses incidental to the installation.

# Schedule G

## Water Main Extension Charges

FY 2026



## SCHEDULE G – WATER MAIN EXTENSION CHARGES

EFFECTIVE 07/01/2025

Requests for the installation of a water main extension must comply with all applicable District Regulations Governing Water Service.

### A. DISTRICT-INSTALLED MAINS

The charge for District-installed main extensions up to 1,000 feet shall be based on the standard charges as specified below.

1. Charge for engineering, inspection, pipeline materials and appurtenances, and installation of the required mains by the District in unpaved streets and in paved streets, excluding fire hydrants and water service connections (which are covered by Schedules D, E, and F) consists of:

- a. Basic installation charge of \$5,327  
plus,

Linear foot charge, for combined length of main extension of 0 to 1,000 feet:

In unpaved streets<sup>1</sup>

|                                 |                |
|---------------------------------|----------------|
| 2-inch PVC pipe                 | \$276 per foot |
| 2-inch Copper pipe              | 321 per foot   |
| 6-inch/8-inch PVC or HDPE pipe  | 436 per foot   |
| 6-inch/8-inch Ductile Iron pipe | 474 per foot   |
| 6-inch/8-inch Steel pipe        | 498 per foot   |
| 12-inch HDPE pipe               | 612 per foot   |
| 12-inch Steel pipe              | 674 per foot   |

In paved streets<sup>2</sup>

|                                 |                |
|---------------------------------|----------------|
| 2-inch PVC pipe                 | \$452 per foot |
| 2-inch Copper pipe              | 497 per foot   |
| 6-inch/8-inch PVC or HDPE pipe  | 598 per foot   |
| 6-inch/8-inch Ductile Iron pipe | 636 per foot   |
| 6-inch/8-inch Steel pipe        | 660 per foot   |
| 12-inch HDPE pipe               | 777 per foot   |
| 12-inch Steel pipe              | 839 per foot   |

- b. The above charges apply to all District-installed mains except when there are unusual or special conditions, for example but not limited to traffic control, permit conditions, underground street utility congestion, known potential for archaeological or paleontological resources, contaminated soils, and streets with multi-layered surface types, which, in the opinion of the District, would result in the need for additional services and materials, including but not limited to hydraulic analysis, property rights

<sup>1</sup> Unpaved streets are limited to conditions where paving has not previously existed and the only existing utilities are sanitary sewer and storm drain. The conditions of the site must not include asphalt, curb, gutter, paving, or first or final lift.

<sup>2</sup> Paved streets are areas already paved and with existing utilities, curb, gutter, and asphalt in place. Paved conditions also include areas where more utilities than sanitary sewer or storm drain exist.



## SCHEDULE G – WATER MAIN EXTENSION CHARGES

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evaluation, and/or clean soil utility corridor establishment. In such cases, the charge will be based on the District's reasonable estimated cost for the work including all engineering, material, equipment, consumables, labor, and related expenses incidental to the installation.

### 2. Charges for Pipe Greater than 12-Inches

Charges for District-installed mains greater than 12-inches will be based on a District engineering cost estimate.

## B. APPLICANT-INSTALLED MAINS

The charge for Applicant-installed main extensions over 1,000 feet shall be based on the following standard charges:

1. Charge for engineering, inspection, and certain pipeline materials, designated below for the installation of the required water mains by the applicant, excluding fire hydrants and water service connections (which are covered by Schedules D, E, and F) consists of:
  - a. Basic installation charge of \$5,327 plus  
  
Linear foot charge of:

|                                  |               |
|----------------------------------|---------------|
| 6-inch/8-inch diameter pipe      | \$75 per foot |
| 12-inch diameter pipe            | \$88 per foot |
| 16-inch and larger diameter pipe | See B3 below  |
  - b. The charge to the applicant for District-supplied pipe and fittings (which include valves, valve pot covers, blowoffs, and minor appurtenances as identified by District-furnished drawings and specifications) will be the District's cost for these materials including tax and shipping.
  - c. The above charges apply to all Applicant-installed mains except when there are unusual or special conditions, for example but not limited to traffic control, permit conditions, underground street congestion, and streets with multi-layered surface types, which, in the opinion of the District, would result in the need for additional services and materials, including added testing and inspection, changes due to project revisions, property rights evaluation, site conditions or contaminated soil, and any construction by District forces to complete the installation. In such cases, the charge will be based on the District's reasonable estimated cost for the work including all engineering, material, equipment, consumables, labor, and related expenses incidental to the installation.

In all cases the District will supply valves, valve pot covers, blowoffs, and minor appurtenances as identified by District-furnished drawings and specifications.



## SCHEDULE G – WATER MAIN EXTENSION CHARGES

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2. Credits (where applicable) when pipe to be installed by the applicant is required by the District to be larger than the pipe size needed to serve the applicant or when applicant installs District improvements in conjunction with applicant-installed main extensions will be based on a District engineering cost estimate.

3. Charges for Pipe Greater than 12-Inches

Charges for Applicant-installed mains greater than 12-inches will be based on a District engineering cost estimate.

# Schedule H

## Standard Participation Charge (SPC)

FY 2026



## SCHEDULE H – STANDARD PARTICIPATION CHARGE (SPC)

EFFECTIVE 07/01/2025

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### A. The Standard Participation Charge for each standard service installed shall be:

| Meter Size    | Gravity Zone <sup>1</sup> | Pumped Zone <sup>2</sup> |
|---------------|---------------------------|--------------------------|
| 5/8" and 3/4" | \$5,300                   | \$7,986                  |
| 1"            | 13,250                    | 19,964                   |
| 1-1/2"        | 26,500                    | 39,929                   |
| 2"            | 42,399                    | 63,886                   |
| 3"            | 84,799                    | 127,772                  |
| 4"            | 132,498                   | 199,644                  |

The Standard Participation Charge for each meter larger than four inches shall be determined on a case-by-case basis by the District, considering such factors as the projected demand which the service would impose on the District's system, the maximum intermittent flow rate of the meter compared to a 5/8" meter, and whether the service is solely domestic or is combined with a fire service. In no event shall the standard participation charge for a meter larger than four inches be less than \$132,498 in gravity zones or \$199,644 in pumped zones.

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<sup>1</sup> This charge covers general water main oversizing and future water supply.

<sup>2</sup> This charge covers major facilities capacity, water main oversizing and future water supply.



# Schedule J

## System Capacity Charge (SCC)

FY 2026



## SCHEDULE J – SYSTEM CAPACITY CHARGE (SCC)

EFFECTIVE 07/01/2025

### A. SCC FOR STANDARD SERVICE<sup>1</sup>

The SCC is calculated based on the applicant's projected average annual demand.

1. Non-Residential Service Connections SCC<sup>2</sup> for meters up to 1-1/2 inches (dollars per connection)

| METER<br>SIZE<br>(INCHES) | REGION <sup>3</sup> |          |          |
|---------------------------|---------------------|----------|----------|
|                           | 1                   | 2        | 3        |
| 5/8                       | \$17,972            | \$34,186 | \$38,127 |
| 3/4                       | 29,368              | 48,925   | 58,351   |
| 1                         | 55,887              | 87,615   | 103,938  |
| 1-1/2                     | 145,746             | 248,720  | 256,032  |

The District reserves the right to request additional information, including specific water use information from the applicant. The District reserves the right to determine the appropriate meter size to serve the applicant's projected demand needs and assess the SCC using this Section (A)(1). If the District determines that the applicant's projected average annual demand exceeds 3,200 gallons per day (gpd) for non-residential service connections or that a meter larger than 1-1/2 inches is required to meet the applicant's projected demand needs, this Section (A)(1) no longer applies. For projected average annual demand exceeding 3,200 gpd for non-residential service connections and/or meters larger than 1-1/2 inches, Section(A)(3) shall be used to determine the SCC based on the applicant's projected average annual demand and the unit charges set forth therein. The District's decision regarding the applicable SCC shall be final.

For service connections with meters larger than 1-1/2 inch see Section 3.

<sup>1</sup> This charge covers the cost of System-wide Facilities Buy-in, Regional Facilities Buy-in and Future Water Supply.

<sup>2</sup> The SCC charged to the applicant will be based on the water meter size required to meet the indoor needs (excluding private fire service needs) and outdoor watering needs of the premises as determined solely by the District based on the plumbing code, the District's review, and water industry standards. The meter(s) that is installed may be larger than the meter size that is used to determine the applicable SCC fee if the service is combined with a private fire service or if a separate irrigation meter is required (See Sections D – Combined Standard and Fire Service and I – Required Separate Irrigation Meter for Single-family Premises.)

| <sup>3</sup> REGION | GENERAL DESCRIPTION  |
|---------------------|--|
| 1                   | Central Area (gravity zones West-of-Hills)<br>El Sobrante and North (pumped zones)   |
| 2                   | South of El Sobrante to vicinity of Highway 24 (pumped zone)<br>South from vicinity of Highway 24 (pumped zones)<br>Castro Valley Area (pumped zones)<br>North Oakland Hill Area (pumped zones, formerly 4A) |
| 3                   | Orinda-Moraga-Lafayette Area (pumped zones)<br>San Ramon Valley and Walnut Creek (pumped and gravity zones)  |



## SCHEDULE J – SYSTEM CAPACITY CHARGE (SCC)

EFFECTIVE 07/01/2025

2. Single-family Service Connections SCC<sup>2</sup> with typical use demand patterns that can be served by meters up to 1-1/2 inches (dollars per connection)

| METER<br>SIZE<br>(INCHES) | REGION <sup>3</sup> |          |          |
|---------------------------|---------------------|----------|----------|
|                           | 1                   | 2        | 3        |
| 3/4                       | \$13,881            | \$21,494 | \$40,614 |
| 1                         | 19,725              | 46,059   | 62,164   |
| 1-1/2                     | 25,204              | 59,365   | 79,984   |

The District reserves the right to request additional information, including specific water use information, from the applicant. The District reserves the right to determine the appropriate meter size to serve the applicants projected demand needs and assess the SCC using this Section (A)(2).

Where two or more single-family dwellings are located on one premises the District shall determine the appropriate meter size for each single-family dwelling individually and determine the SCC in for each dwelling in accordance with Section (A)(2).

For service connections with larger meters or greater than 1,940 gpd projected average annual demand for single-family residential service, Section(A)(3) shall be used to determine the SCC based on the applicant's projected average annual demand and the unit charges set forth therein. The District's decision regarding the applicable SCC shall be final.

For an increase or change in water use caused by the creation of an accessory dwelling unit or junior accessory dwelling unit on a premises, installation fees and capacity charges will be imposed only as authorized by Chapter 13 of Division 1 of Title 7 of the Government Code.



## SCHEDULE J – SYSTEM CAPACITY CHARGE (SCC)

EFFECTIVE 07/01/2025

### 3. SCC for Larger Meters

The SCC for service connections with meters larger than 1-1/2 inches shall be determined on a case-by-case basis by the District based on water use information furnished by the applicant and applying the same unit charge and criteria as apply to the SCC for smaller meters. The SCC will be calculated based on the unit charges for each of the four components listed below:

| Component                              | Unit Charge (\$/100 gpd) |
|--|--------------------------|
| Post-2000 (Add'l Regions 3C & 3D only) | SCC Region Specific      |
| Regional Facilities Buy-in             | SCC Region Specific      |
| System-wide Facilities Buy-in          | \$4,160                  |
| Future Water Supply <sup>4</sup>       | 1,203                    |

The unit charges for the components that are specific to a SCC Region are:

| Region | Post-2000 Component | Regional Facilities Buy-In Component |
|--------|---------------------|--------------------------------------|
| 1      | n/a                 | \$1,942                              |
| 2      | n/a                 | 4,872                                |
| 3      | n/a                 | 2,925                                |
| 3C     | \$8,204             | 2,443                                |
| 3D     | 8,204               | 2,443                                |

In no instance will the SCC for a meter larger than 1-1/2 inches be less than the 1-1/2 inch charge from the appropriate Section 1 or 2, above.

The SCC will be determined by multiplying the sum of the unit charge of the four components by the water use information furnished by the applicant.

If the District has determined, based on water use information furnished by the applicant, that a meter size larger than 1-1/2 inches is required to meet the applicant's projected demand needs or if the projected average annual demand exceeds 3,200 gpd (non-residential) or 1,940 gpd (single-family residential), the SCC shall be calculated pursuant to this subdivision irrespective of the arrangement of water metering or meter size at the premises.

<sup>4</sup> The Future Water Supply component for Region 3C is based on 1993 agreement (see Section B1).



## SCHEDULE J – SYSTEM CAPACITY CHARGE (SCC)

EFFECTIVE 07/01/2025

### 4. SCC for Standard Service to Multi-Family Premises

The System Capacity Charge for water service at multi-family premises shall be as listed below.

|  | Multi-Family Premises<br>Dollars per Dwelling |         |         |
|--|---|---------|---------|
|  | REGION <sup>5</sup>                           |         |         |
|  | 1   | 2       | 3       |
| For Dwellings 500 square feet and under <sup>6</sup> | \$6,940                                       | \$9,724 | \$7,874 |
| For Dwellings Over 500 square feet                   | 8,767   | 12,282  | 9,946   |

The above SCC shall apply regardless of the arrangement of water metering or meter size at the premises; however, the District may limit the size and number of service connections to a combined capacity appropriate to the anticipated water use at the premises. No additional SCC shall be applicable to provide irrigation for landscaping on the premises for landscape areas up to 5,000 square feet. All other rates and charges shall be based on actual number and size of meters and does not apply to the requirements listed below.

An SCC shall be applicable for separate meters installed to serve landscape areas greater than 5,000 square feet and for other water uses in the vicinity of the multi-family premises, such as irrigation of open space areas, parks, roadway medians, golf courses, community clubhouse and recreational facilities, and areas designated for public use. The SCC shall be based on meter size as provided under A.1 above. If these other water uses are included in the water service connection to the multi-family premises, the District shall, for purposes of determining the applicable SCC, determine the equivalent meter size for these uses based on plumbing code and water industry standards, as if there were a separate service connection.

For an increase or change in water use caused by the creation of an accessory dwelling unit or junior accessory dwelling unit on a premises, installation fees and capacity charges will be imposed only as authorized by Chapter 13 of Division 1 of Title 7 of the Government Code.

<sup>5</sup> Same regions as described in A.2.

<sup>6</sup> The applicant must submit sufficient documentation, as determined by the District, from the local building department that shows the dwelling living space square footage is 500 square feet or less for any dwelling to qualify for the 500 and under square foot MFR SCC. Documentation can be approved architectural drawings or other approved records of the dwelling living space.



## SCHEDULE J – SYSTEM CAPACITY CHARGE (SCC)

EFFECTIVE 07/01/2025

### B. SEPARATE SCC FOR STANDARD SERVICE FOR ADDITIONAL REGIONS<sup>7</sup>

The System Capacity Charge shall be as follows (dollars per connection):

1. Non-residential water service at premises other than multi-family premises shall be as follows (dollars per connections)

| METER SIZE<br>(INCHES) | ADDITIONAL REGION <sup>8</sup> |           |
|------------------------|--------------------------------|-----------|
|                        | 3C <sup>9</sup>                | 3-D       |
| 5/8                    | n/a                            | \$124,083 |
| 3/4                    | n/a                            | 186,125   |
| 1                      | n/a                            | 310,828   |
| 1-1/2                  | n/a                            | 621,657   |

For service connections with larger meters see Section 3 below.

2. Single-family service connections shall be as follows (dollars per connections)

| METER SIZE<br>(INCHES) | ADDITIONAL REGION <sup>8</sup> |           |
|------------------------|--------------------------------|-----------|
|                        | 3C <sup>9</sup>                | 3-D       |
| 3/4                    | \$120,665                      | \$124,083 |
| 1                      | 201,510                        | 207,219   |
| 1-1/2                  | 403,020                        | 414,438   |

For an increase or change in water use caused by the creation of an accessory dwelling unit or junior accessory dwelling unit on a premises, installation fees and capacity charges will be imposed only as authorized by Chapter 13 of Division 1 of Title 7 of the Government Code. For service connections with larger meters see Section 3.

<sup>7</sup> This charge covers the cost of System-wide Facilities Buy-In, Regional Facilities Buy-In and Future Water Supply. The Additional Regions are low-density, residential in nature. It is not anticipated that meters larger than 3/4-inch (excluding fire flow requirements) will be installed in these Regions.

| <sup>8</sup> ADDITIONAL REGION | GENERAL DESCRIPTION   |
|--------------------------------|---|
| 3-C                            | South of Norris Canyon Road (pumped zones)                        |
| 3-D                            | South of Norris Canyon Road outside Wiedemann Ranch (pumped zone) |

<sup>9</sup> The Future Water Supply component of the SCC for Region 3C is set by the July 20, 1993 Wiedemann Agreement, indexed to the U.S. City Average of the Consumer Price Index and used by EBMUD to fund conservation programs. The total Future Water Supply component of the SCC for the common areas in Region 3C shall be paid as a condition for the issuance of the first water meter for the common area. The SCC for non-residential services (e.g., common area irrigation) shall be uniquely calculated in accordance with the Wiedemann Agreement.



## SCHEDULE J – SYSTEM CAPACITY CHARGE (SCC)

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### 3. SCC for Larger Meters

The SCC for service connections with meters larger than 1-1/2 inches shall be determined on a case-by-case basis by the District based on water use information furnished by the applicant and applying the same cost components and criteria as apply to the SCC for smaller meters. (See Section A.3)

### 4. Separate SCC for Standard Service to Multi-Family Premises

The SCC for water service at multi-family premises shall be as listed below.

|                   | Multi-Family Premises<br>Dollars per Dwelling |          |
|-------------------|---|----------|
|                   | ADDITIONAL REGIONS <sup>10</sup>              |          |
|                   | 3-C   | 3-D      |
| For each Dwelling | \$46,553                                      | \$43,549 |

The above SCC shall apply regardless of the arrangement of water metering or meter size at the premises; however, the District may limit the size and number of service connections to a combined capacity appropriate to the anticipated water use at the premises. No additional SCC shall be applicable for separate meters installed to provide irrigation for landscaping on the premises for landscape areas up to 5,000 square feet. All other charges shall be based on actual number and size of meters and do not apply to the requirements listed below.

An SCC shall be applicable for separate meters installed to serve landscape areas greater than 5,000 square feet and for other water uses in the vicinity of the multi-family premises, such as irrigation of open space areas, parks, roadway medians, golf courses, community clubhouse and recreational facilities, and areas designated for public use. The SCC shall be based on meter size as provided under B.1 above. If these other water uses are included in the water service connection to the multi-family premises, the District shall, for purposes of determining the applicable SCC, determine the equivalent meter size for these uses based on plumbing code and water industry standards, as if there were a separate service connection.

For an increase or change in water use caused by the creation of an accessory dwelling unit or junior accessory dwelling unit on a premises, installation fees and capacity charges will be imposed only as authorized by Chapter 13 of Division 1 of Title 7 of the Government Code.

<sup>10</sup> Same regions as described in B.1.



## **SCHEDULE J – SYSTEM CAPACITY CHARGE (SCC)**

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### **C. LOW-PRESSURE SERVICE**

Where a larger meter is installed because of low-pressure conditions, the applicable System Capacity Charge shall be determined on the basis of the size of the meter which would be required for a standard service as determined by the District based on plumbing code and water industry standards. All other rates and charges shall be based on actual meter size.

### **D. COMBINATION STANDARD AND FIRE SERVICE**

Where a meter is installed to provide both standard service and a supply to a private fire protection system, at other than multi-family premises, the applicable System Capacity Charge shall be based on the meter size required for standard service exclusive of the capacity for supplying the fire protection system as determined by the District based on plumbing code, fire protection code and water industry standards. The installation charges shown in Schedule D and all other rates and charges pertaining to the service shall be based on the actual size of the meter that is installed.

### **E. FIRE SERVICES AND STANDBY SERVICES**

For fire services and standby services (additional service connections for security of supply), there shall be no System Capacity Charges.

### **F. ADDITIONAL WATER USE ON PREMISES RECEIVING SERVICE**

The System Capacity Charge applicable to enlargement of an existing service at other than multi-family premises shall be based on the difference in SCC for the new service size and the existing service size.

The District may assess additional System Capacity Charges to an existing service at other than multi-family premises with services larger than 1-1/2" in accordance with section A.3.

If additional dwellings are constructed on premises subsequent to the installation of service and payment of an SCC under A or B, then the SCC applicable to each additional dwelling shall be immediately due and payable.

### **G. CREDIT FOR EXISTING SERVICES**

Where one or more new services will replace one or more existing or prior services or will expand an existing service to a premises where an SCC was paid to initiate the water service, a credit will be given toward the new SCC based on the customer classification, meter size or water use information that was used to calculate the initial SCC payment (see Section A – SCC for Standard Service). For instances where the existing or prior services were installed prior to 1983 and no SCC was paid, the SCC credit for meter sizes under 2" will be based on Sections A – SCC for Standard Service. For existing or prior services with meter sizes 2" and greater where no SCC was paid, the annual average of the past ten years of water consumption will be used to determine the SCC credit, but in no instance will the credit be less than that of a 1.5" meter size for the customer classification listed in Sections A.1 and A.2 – SCC for Standard Service. No SCC credit will be given unless prior service to





## SCHEDULE J – SYSTEM CAPACITY CHARGE (SCC)

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the premises is verified. If the SCC is paid with the service connection to be completed by meter installation at a later date, and existing service(s) are to remain in service until that time, the applicable credit for the existing service(s) will be in the form of a refund when the existing services are removed. The SCC credit cannot be applied to a standby meter, fire service meter, or in the case of a dual service meter, the portion of the meter oversized for the private fire protection system. Where the initial SCC payment was made under Schedule J Section I – Required Separate Irrigation Meter for Single-family Premises, the SCC credit cannot be applied to the separate irrigation meter without a SCC credit on the residential meter. The SCC credit for an existing service can only be applied to the premises where the existing service is located. “Premises” is defined in Section 1 of the District’s Regulations Governing Water Service.

For a common area meters installed under the July 20, 1993 Wiedemann Agreement, credit toward a new SCC for these meters will be based on the actual SCC payment for each meter installed, not based on the size of the existing meter.

No credit will be provided for Accessory Dwelling Units that did not pay an initial SCC regardless of metering arrangements.

### **H. TEMPORARY CONSTRUCTION SERVICE**

A System Capacity Charge paid on a temporary construction service will be refunded if said service is removed within a 1-year period after installation.

### **I. REQUIRED SEPARATE IRRIGATION METER FOR SINGLE-FAMILY PREMISES**

If an irrigation meter is required for a single-family premises because the irrigable landscape area meets or exceeds the applicable threshold in Section 31 of the Regulations, two meters will be installed – one for the indoor and private fire service (if applicable) needs of the building and a separate meter dedicated for irrigation. One single-family premises SCC shall be applicable based on the hydraulic capacity needed to serve the irrigation and indoor needs. The hydraulic capacity of the installed meter or meters will be equal to or exceed the hydraulic capacity of the meter size that was charged in the SCC fee. The installation charges shown in Schedule D and all other rates and charges pertaining to the service(s) based on the actual size of the meter(s) that are installed shall apply.



## SCHEDULE J – SYSTEM CAPACITY CHARGE (SCC)

EFFECTIVE 07/01/2025

### J. NONPOTABLE WATER SERVICE

#### 1. Nonpotable Water Service Connections (dollars per connection)

| METER SIZE<br>(INCHES) | REGION  |         |         |
|------------------------|---------|---------|---------|
|                        | 1       | 2       | 3       |
| 5/8                    | \$2,959 | \$4,018 | \$5,533 |
| 3/4                    | 4,836   | 5,750   | 8,468   |
| 1                      | 9,202   | 10,297  | 15,084  |
| 1-1/2                  | 23,998  | 29,230  | 37,158  |

All SCCs for nonpotable water service connections with meters larger than 1-1/2 inches shall be determined by applying the Future Water Supply Component unit charge to the defined projected water demand approved by the District. The SCC will not be less than the 1-1/2 inch meter charge by region noted above.

### K. POTABLE AND NONPOTABLE SERVICES

An SCC shall be applicable for separate meters installed to provide potable and nonpotable standard service, based on the meter size(s) for each service.

### L. ADJUSTMENT OF SCC FOR WATER-CONSERVING LANDSCAPING ON PUBLICLY OWNED PROPERTY

To further encourage water conservation, the SCC for a water service connection exclusively for irrigation of landscaping on property owned by a public agency may be reduced or not required based on long-term water service needs after an initial planting establishment period of not more than three years (the "initial period"); provided that (1) the landscape plan incorporates drought-tolerant and other low-water-use planting materials on a major part of the landscaped area, and (2) the long-term water need would result in replacement of the initial water meter with a smaller meter or water service would be discontinued and removed at the end of the initial period, as solely determined by the District.

A public agency applying for water service under such conditions shall submit a written request to the District prior to the time of payment of the SCC. The request shall set forth in detail the facts supporting an adjustment of the SCC, shall include information and plans clearly describing the planting materials and irrigation system, and shall include data and calculations clearly demonstrating the estimated initial and long-term water needs.

If the District determines that the SCC can be based on a smaller meter or discontinuation of service after the initial period, the public agency shall enter into a water service agreement which provided for (1) payment of the reduced SCC prior to installation of service; (2) verification of the long-term need at the end of the period; and (3) payment of the additional SCC required if the initial meter is not to be replaced, if the replacement meter is larger than



## SCHEDULE J – SYSTEM CAPACITY CHARGE (SCC)

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initially determined, or if water service is not discontinued and removed. If additional SCC payment is required, it shall be based on the charges in effect at the time of initial SCC payment, and shall be due and payable within 30 days of written notice from the District. The agreement shall be binding upon all subsequent owners of the property and shall be recorded.

Installation charges for the service connection shall be based on the meter size initially installed.

The above-mentioned SCC adjustments do not apply to nonpotable water service accounts.

# Schedule N

## Water Demand Mitigation Fees

FY 2026



## SCHEDULE N – WATER DEMAND MITIGATION FEES

EFFECTIVE 07/01/2025

The Water Demand Mitigation Fee funds District conservation programs that are intended to achieve water savings that offset water demand from development within the territory or development where the fees are collected. The Water Demand Mitigation Fee is payable at the time application for service is made or prior to release of the distribution system pipelines and related appurtenances when the installation of water main extensions are required.

### A. WATER DEMAND MITIGATION FEES FOR “THE MEADOWS” TERRITORY

For service connections within “The Meadows” territory<sup>1</sup> payment of a Water Demand Mitigation Fee shall be required in addition to all other applicable fees and charges, including the applicable System Capacity Charge (SCC).

#### 1. Non-Residential Service Connections (dollars per connection)

| METER<br>SIZE<br>(INCHES) | WATER DEMAND MITIGATION FEE<br>FOR STANDARD SERVICE<br>IN THE MEADOWS TERRITORY |
|---------------------------|---|
| 5/8                       | \$8,195   |
| 3/4                       | 11,800  |
| 1                         | 18,356  |
| 1-1/2                     | 35,401  |

#### 2. Single Family Service Connections (dollars per connection)

| METER<br>SIZE<br>(INCHES) | WATER DEMAND MITIGATION FEE<br>FOR STANDARD SERVICE<br>IN THE MEADOWS TERRITORY |
|---------------------------|---|
| 5/8                       | \$8,024   |
| 3/4                       | 11,800  |
| 1                         | 18,356  |
| 1-1/2                     | 35,401  |

3. The Water Demand Mitigation Fee for service connections with meters larger than 1-1/2 inches shall be determined on a case-by-case basis by the District based on water use information furnished by the applicant and applying the applicable SCC Future Water Supply component and multiplier (1.09) established by the Board of Directors for smaller meters.

<sup>1</sup> As defined in Contra Costa Local Agency Formation Commission Resolution No. 96-33, adopted August 13, 1997.



## SCHEDULE N – WATER DEMAND MITIGATION FEES

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4. For phased developments within The Meadows territory, the Water Demand Mitigation Fee is payable for all connections within the phase prior to release of the distribution system pipelines and related appurtenances.

### B. WATER DEMAND MITIGATION FEES FOR “THE WENDT RANCH” TERRITORY

For service connections within “The Wendt Ranch” territory<sup>2</sup> payment of a Water Demand Mitigation Fee shall be required in addition to all other applicable fees and charges, including the applicable System Capacity Charge (SCC).

1. Non-Residential Service Connections (dollars per connection)

| METER<br>SIZE<br>(INCHES) | WATER DEMAND MITIGATION FEE<br>FOR STANDARD SERVICE IN THE<br>WENDT RANCH TERRITORY |
|---------------------------|---|
| 5/8                       | \$10,525  |
| 3/4                       | 15,157  |
| 1                         | 23,577  |
| 1-1/2                     | 45,470  |

2. Single Family Service Connections (dollars per connection)

| METER<br>SIZE<br>(INCHES) | WATER DEMAND MITIGATION FEE<br>FOR STANDARD SERVICE IN THE<br>WENDT RANCH TERRITORY |
|---------------------------|---|
| 5/8                       | \$10,306  |
| 3/4                       | 15,157  |
| 1                         | 23,577  |
| 1-1/2                     | 45,470  |

3. The Water Demand Mitigation Fee for service connections with meters larger than 1-1/2 inches shall be determined on a case-by-case basis by the District based on water use information furnished by the applicant and applying the applicable SCC Future Water Supply component and multiplier (1.40) established by the Board of Directors for smaller meters.
4. For phased developments within The Wendt Ranch territory, the Water Demand Mitigation Fee is payable for all connections within the phase prior to release of the distribution system pipelines and related appurtenances.

<sup>2</sup> As defined in Contra Costa Local Agency Formation Commission Resolution 97-5, adopted March 12, 1997.



## SCHEDULE N – WATER DEMAND MITIGATION FEES

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### C. WATER USE OFFSET FEES FOR THE WIEDEMANN RANCH DEVELOPMENT<sup>3</sup>

For service connections within “The Wiedemann Ranch Development”, payment of a Water Use Offset Fee shall be required in addition to all other applicable fees and charges, including the System Capacity Charge (SCC).<sup>4</sup>

#### 1. Common Area Offset Fee

The total Water Use Offset Fee for common areas in The Wiedemann Ranch Development is \$90,875, and payable as a condition of issuance of the first meter for the common area.<sup>5</sup>

#### 2. Single Family Service Connections

The Water Use Offset Fee for each residential lot in The Wiedemann Ranch Development is \$9,070, which amount shall be indexed using the same index as for the common area offset fee.

### D. ADDITIONAL WATER USE OFFSET FEES FOR THE WIEDEMANN RANCH DEVELOPMENT<sup>3</sup>

For water service within the Wiedemann Ranch Development, payment of Additional Water Use Offset Fees shall be required in the event the annual water budget<sup>6</sup> is exceeded.

1. The Additional Water Use Offset Fee shall be determined by the number of gallons of water used during the average of the two consecutive years in excess of the annual water budget times the per gallon fee of \$19.58.<sup>7</sup>

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<sup>3</sup> The Wiedemann Ranch Development, SCC Region 3A, a 439 acre development in Contra Costa County, is described with particularity in Exhibit A to the July 20, 1993 Agreement Between EBMUD and HCV & Associates, Ltd., Wiedemann Ranch, Inc. and Sue Christensen (“Wiedemann Agreement”).

<sup>4</sup> The Wiedemann Agreement specifies the amount and other terms related to the Future Water Supply Component of the SCC for the Wiedemann Ranch Development.

<sup>5</sup> The Water Use Offset Fee shall be indexed to the U.S. City Average of the Consumer Price Index issued by the U.S. Department of Labor each calendar year or portion thereof from the July 20, 1993 date of the Wiedemann Agreement to the date of payment of the offset fee.

<sup>6</sup> The Wiedemann Agreement specifies the formula for calculating the annual water budget and the specific methodology for calculating and collecting the additional water use offset fee.

<sup>7</sup> The Wiedemann Agreement specifies the terms related to the Additional Water Use Offset Fee. The Additional Water Use Offset Fee shall be indexed to the U.S. City Average of the consumer Price Index issued by the U.S. Department of Labor for each calendar year or portion thereof from the July 20, 1993 date of the Wiedemann Agreement to the date of payment of the additional water use offset fee.



## SCHEDULE N – WATER DEMAND MITIGATION FEES

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### E. WATER DEMAND MITIGATION FEES FOR CAMINO TASSAJARA INTEGRATED PROJECT<sup>8</sup>

For service connections within the Camino Tassajara Integrated Project<sup>9</sup>, payment of a Water Demand Mitigation Fee (WDMF) shall be required in addition to all other applicable fees and charges including the applicable System Capacity Charge (SCC). The Board of Directors adopted Section 3D to the Water Service Regulations in January 2003 to codify the WDMF and other conservation requirements imposed on the project territory by the County and Local Agency Formation Commission.

#### 1. Non-Residential Service Connections (dollars per connection)

| METER<br>SIZE<br>(INCHES) | WATER DEMAND MITIGATION FEE<br>FOR STANDARD SERVICE<br>IN THE CAMINO TASSAJARA<br>INTEGRATED PROJECT |
|---------------------------|--|
| 5/8                       | \$10,146   |
| 3/4                       | 14,618   |
| 1                         | 22,731   |
| 1-1/2                     | 43,836   |

#### 2. Single Family Service Connections (dollars per connection)

| METER<br>SIZE<br>(INCHES) | WATER DEMAND MITIGATION FEE<br>FOR STANDARD SERVICE<br>IN THE CAMINO TASSAJARA<br>INTEGRATED PROJECT |
|---------------------------|--|
| 5/8                       | \$6,970  |
| 3/4                       | 10,243   |
| 1                         | 15,954   |
| 1-1/2                     | 30,747   |

3. The WDMF for service connections with meters larger than 1-1/2 inches shall be determined on a case-by-case basis by the District based on water use information furnished by the applicant and applying the applicable SCC Future Water Supply component and multiplier (1.61) established by the Board of Directors for smaller meters.

<sup>8</sup> The Water Demand Mitigation Fee shall be indexed to the unit charge of the Future Water Supply component of the EBMUD System Capacity Charge.

<sup>9</sup> As generally described in the October 9, 2002 Miscellaneous Work Agreement between the District, Shapell Industries, Ponderosa Homes II, and Braddock and Logan Group II.





## SCHEDULE N – WATER DEMAND MITIGATION FEES

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The WDMF for new water service at multi-family premises shall be as listed below. For purposes of this Schedule N, “multi-family premises” shall mean premises with two or more attached or separate residential dwelling units, rental or owner-occupied, which is determined by the District to be a single premises for receiving water service, provided that each separate dwelling unit of a multi-family premises shall be separately metered as specified in Sections 2 and 3 of the District’s Regulations Governing Water Service.

| Multi-Family Premises – Dollars Per Dwelling Unit (DU) |         |
|--|---------|
| Each of the first 10 DU in a single structure          | \$4,182 |
| Each additional DU in same structure                   | 3,346   |

The above WDMF shall apply regardless of the arrangement of water metering or meter size at the premises; however, the District may limit the size and number of service connections to a combined capacity appropriate to the anticipated water use at the premises.

No additional WDMF shall be applicable for separate meters installed to provide irrigation for landscaping on the premises in the immediate area contiguous to the dwelling unit structures, provided such landscaped area is to be used exclusively by the residents. All other rates and charges shall be based on actual number and size of meters and does not apply to the requirements listed below.

A WDMF shall be applicable for separate meters installed to serve other water uses in the vicinity of the multi-family premises, such as irrigation of open space areas, parks, roadway medians, recreational facilities, and areas designated for public use. The WDMF shall be based on meter size as provided under E.1 above. If these other water uses are included in the water service connection to the multi-family premises, the District shall, for purposes of determining the applicable WDMF, determine the equivalent meter size for these uses based on plumbing code and water industry standards, as if there were a separate service connection.

4. The WDMF is payable for all connections within phased developments prior to release for construction, the distribution system pipelines and related appurtenances.
5. Water use in excess of 120 percent of the annual water budget<sup>10</sup> shall be subject to an Additional WDMF (on a per-occurrence basis). The Additional WDMF shall be determined by multiplying the amount of water used in excess of 100 percent of the annual water budget times the per gallon fee of \$0.65 per gpd.

<sup>10</sup> The water budget shall be established pursuant to the October 9, 2002 Miscellaneous Work Agreement referenced in Footnote 2.



## SCHEDULE N – WATER DEMAND MITIGATION FEES

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### F. WATER DEMAND MITIGATION FEES FOR GALE RANCH PHASE 2, SUBDIVISION 9134<sup>11</sup>

For service connections within Gale Ranch Phase 2, Subdivision 9134, payment of a Water Demand Mitigation Fee (WDMF) shall be required in addition to all other applicable fees and charges including the applicable System Capacity Charge (SCC).

#### 1. Non-Residential Service Connections (dollars per connection)

| METER<br>SIZE<br>(INCHES) | WATER DEMAND MITIGATION FEE<br>FOR STANDARD SERVICE<br>IN THE GALE RANCH PHASE 2<br>SUBDIVISION 9134 |
|---------------------------|--|
| 5/8                       | \$9,721  |
| 3/4                       | 14,000   |
| 1                         | 21,765   |
| 1-1/2                     | 42,000   |

#### 2. Single Family Service Connections (dollars per connection)

| METER<br>SIZE<br>(INCHES) | WATER DEMAND MITIGATION FEE<br>FOR STANDARD SERVICE<br>IN THE GALE RANCH PHASE 2<br>SUBDIVISION 9134 |
|---------------------------|--|
| 5/8 <sup>12</sup>         | \$6,673  |
| 3/4                       | 9,818  |
| 1                         | 15,259   |
| 1-1/2                     | 29,433   |

3. The WDMF for service connections with meters larger than 1-1/2 inches shall be determined on a case-by-case basis by the District based on water use information furnished by the applicant and applying the applicable SCC Future Water Supply component.

No additional WDMF shall be applicable for separate meters installed to provide irrigation for landscaping on the premises in the immediate area contiguous to the dwelling unit structures, provided such landscaped area is to be used exclusively by the residents. All

<sup>11</sup> The Water Demand Mitigation Fee shall be indexed to the unit charge of the Future Water Supply component of the EBMUD System Capacity Charge.

<sup>12</sup> 5/8" fee based on 32,594 gpd land use unit demands (LUDS) minus 10,884 gpd middle school demand credit divided by 63 residential units resulting in 345 gpd/residential unit.



## SCHEDULE N – WATER DEMAND MITIGATION FEES

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other rates and charges shall be based on actual number and size of meters and does not apply to the requirements listed below.

A WDMF shall be applicable for separate meters installed to serve other water uses in the vicinity of the multi-family premises, such as irrigation of open space areas, parks, roadway medians, recreational facilities, and areas designated for public use. The WDMF shall be based on meter size as provided under F.1 above. If these other water uses are included in the water service connection to the multi-family premises, the District shall, for purposes of determining the applicable WDMF, determine the equivalent meter size for these uses based on plumbing code and water industry standards, as if there were a separate service connection.

# Section 1

## Explanation of Terms Used in these Regulations

FY 2026



# **REGULATIONS GOVERNING WATER SERVICE TO CUSTOMERS OF THE EAST BAY MUNICIPAL UTILITY DISTRICT**

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## **SECTION 1 EXPLANATION OF TERMS USED IN THESE REGULATIONS**

COMMON AREA shall mean a room, unit, or area of a building that is outside of the residential or commercial units, and is for the sole use of the tenants or occupants.

DISTRICT shall refer to the East Bay Municipal Utility District unless otherwise specified.

ELEVATION SURCHARGE shall mean that charge applied to customers' accounts where meters are served by pressure zones with an elevation designator of two (2) or more in the District's pressure zone designations. The charge shall be computed in accordance with Schedule A, Rate Schedule for Water Service, Section D. The Elevation Surcharge recovers the additional costs incurred for pumping water to higher elevations.

EXPANDED SERVICE shall refer to any upgrade, change, modification to existing standard service that increases the size of the meter, or increases to the annual average water use resulting from improvements to the existing structure(s) and new construction.

FRONT FOOT CHARGE shall mean the charge applicable to a premises when a main is or has been brought to the principal frontage of the premises to make service available to the premises. This charge shall be computed in accordance with the provisions of Section 4, and shall generally be the proration of the cost of extending the main based on the width of the premises fronting on and entitled to service from the main extension. The front foot charge shall not apply to premises already entitled to service, according to District requirements, on or before the date the main extension is installed. Where a front foot charge is applicable, it must be paid before a service will be installed.

HYDRANT or PUBLIC FIRE HYDRANT shall mean a fire hydrant that is connected to a main by a lateral, owned by the District, and located within the public right-of-way or District-owned right-of-way.

PRIVATE FIRE HYDRANT shall mean a fire hydrant that is located downstream of a private fire service.

IRRIGABLE LANDSCAPE AREA shall mean the area of a premises less the aggregate area of structure footprints, impervious and pervious hardscape and undisturbed open space within that premises.

IRRIGATED LANDSCAPING shall mean the total aggregated area or footprint of irrigated landscape for a premises, which does not include open space or the non-irrigated area.

The terms "Irrigable Landscape Area" and "Irrigated Landscaping" may apply to more than one premises, as determined solely by the District, where the multiple premises are contiguous and the managing entity for the irrigation water service to those multiple premises is a single person or entity, such as a city or a homeowners' association.

LATERAL shall refer to the District-owned pipeline connecting a meter or hydrant to the main.

MAIN shall refer to District-owned pipelines that are not part of a service connection or hydrant.



# **REGULATIONS GOVERNING WATER SERVICE TO CUSTOMERS OF THE EAST BAY MUNICIPAL UTILITY DISTRICT**

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## **SECTION 1 EXPLANATION OF TERMS USED IN THESE REGULATIONS**

MAJOR FACILITIES shall mean storage reservoirs, pumping plants, transmission mains, water treatment plants, and appurtenances, including necessary properties and rights of way.

METER shall mean the entire meter assembly, which may include appurtenances or devices owned and installed by the District in connection with a service connection.

DEDICATED IRRIGATION METER shall mean the entire meter assembly dedicated for outdoor landscape water use, which may include appurtenances or devices owned and installed by the District or applicant, as solely determined by the District, as provided in Sections 3 and 31 of these Regulations.

SUBMETER shall mean a non-District-meter that is installed downstream of the District's meter. The submeter or submeter data must be readily accessible for review by those utilizing the water, and is wholly maintained and serviced by the owner/agent of the premises.

PREMISES shall mean a parcel of real estate, including any improvements thereon, which is determined by the District to be a single premises for purposes of receiving, using and paying for service. In making this determination, the District shall take into consideration such factors as assessor parcel lines, whether the parcel could reasonably be subdivided, whether the parcel is being used for a single enterprise, and whether the parcel is divided by a public or a private street, but in any case, the District's determination shall be final.

MULTI-FAMILY PREMISES shall mean premises designated for multi-family use by the local land use authority which may include but are not limited to apartments, duplexes, condominiums, or other dwelling units not classified as single-family or premises intended for or with structure(s) constructed with independent living facilities for one or more persons

MULTI-OCCUPANCY COMMERCIAL/INDUSTRIAL PREMISES shall mean premises designated for commercial/industrial use by the local land use authority, with two or more attached or separate commercial or industrial occupancy units, rental or owner-occupied, which is determined by the District to be a single premises for receiving water service.

SINGLE FAMILY PREMISES shall mean a premises designated for single-family use by the local land use authority or premises intended for or with structure(s) constructed for occupancy by a single-family as determined by the District with one or more attached or separate structures, rental or owner-occupied, providing permanent provisions for living, cooking, sanitation, and separate ingress/egress.

PRESSURE ZONE shall mean a portion of the water distribution system in which all premises are served through meters within a specific range of elevations and supplied by the same major facilities through an interconnected pipeline network. The upper limit of the pressure zone is 100 feet below the overflow elevation of the reservoir providing service, and the lower limit is determined by the upper limit of the next lower pressure zone or an elevation approximately 300 feet below the overflow elevation of the reservoir. Gravity Zones are those pressure zones which receive their water supply by gravity flow from the treatment plants and are identified by the prefixes "G" and "H" in the District's pressure zone



# **REGULATIONS GOVERNING WATER SERVICE**

## **TO CUSTOMERS OF THE EAST BAY MUNICIPAL UTILITY DISTRICT**

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### **SECTION 1**

### **EXPLANATION OF TERMS USED IN THESE REGULATIONS**

designations. Pumped Zones are those pressure zones which receive their water supply from the treatment plants by pumping and are identified by the prefixes "A" through "F" in the District's pressure zone designations.

**PRINCIPAL FRONTAGE** shall mean that part of the perimeter of the major portion of the premises where the principal use of the property is located, which fronts on a public street or private road or driveway from which the premises generally receives access, public services and utilities, as determined by the District. Principal use does not include easements, rights of way, or a relatively narrow portion of a premises used for access or other purpose.

**REASONABLY AVAILABLE SERVICE** shall mean that a service connection installed at the principal frontage of the premises will provide adequate pressure and flow for normal operation of plumbing fixtures, water using appliances, requirements set by the responsible fire protection agency, and irrigation. In determining reasonably available service, the District will consider, relative to the service location and the applicable pressure zone, the elevation of the existing or proposed building on the premises, the distance of the building site from the meter location and any pressure and flow requirement for fire protection.

**RENOVATION** shall mean any improvements to existing structure(s) that would change the Business Classification of the existing structure(s) and/or increase the average annual water use.

**RETROFITS** shall mean the conversion or modification of existing water using fixtures, appliances, equipment and landscaping such that they are suitable for water service.

**SEPARATE STRUCTURE** shall mean a distinct building with water using fixtures.

**SERVICE** shall mean the furnishing of water (potable or nonpotable) to a customer through a service connection.

**BRANCH SERVICE** shall refer to a service connection with two or more meters per service connection.

**CONDITIONAL SERVICE** shall mean a service connection to a premises at other than the principal frontage as provided in Section 3 of these Regulations.

**DUAL SERVICE** shall mean a combination standard and fire service.

**LIMITED/LOW/HIGH PRESSURE SERVICE** shall mean a water service connection provided under a written agreement for a service with special conditions when standard service is not reasonably available. See Section 8, 8A, and 8B of these Regulations.

**PRIVATE FIRE SERVICE** shall mean a water service connection provided under written agreement for the sole use of fire protection to a premises, further defined in Section 3 of these Regulations.





# **REGULATIONS GOVERNING WATER SERVICE**

## **TO CUSTOMERS OF THE EAST BAY MUNICIPAL UTILITY DISTRICT**

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### **EXPLANATION OF TERMS USED IN THESE REGULATIONS**

STANDARD SERVICE shall mean a service other than a private fire service, installed within the District's service area, adjacent to the principal frontage of the premises to be served, which service is needed for immediate use to supply an identified function directly related to such premises.

SERVICE CONNECTION shall mean the necessary piping and equipment from the main to and including the meter or battery of meters. Reference to a service connection by size shall mean the size of the meter.

STANDARD PARTICIPATION CHARGE (SPC) shall mean the charge paid as a contribution towards the cost of future general oversizing of water mains and to provide major facilities capacity for service to new customers. This charge is paid in lieu of the System Capacity Charge by certain applicants who applied for service on or before June 28, 1983. The SPC also includes a component for the allocated cost of providing a future water supply to meet the long-term increase in water demand in the District.

SYSTEM CAPACITY CHARGE (SCC) shall mean the charge required of all applicants for water service to premises where installation of a service connection is required, including expanded service, as solely determined by the District. The charge to be paid depends on the regional location and the applicable meter size, the estimated annual average water use as determined by the District for large meters not covered in Schedule J based on water use information furnished by the applicant, or number of units. The charge is payment for the costs allocated to providing capacity for water service to applicants within each region, including components for major facilities in the District's distribution system master plan, major facilities constructed prior to the master plan, and water main oversizing. The SCC also includes a component for the allocated cost of providing a future water supply to meet the long-term increase in water demand in the District. The charge shall be computed in accordance with Schedule J of the Rates and Charges.

UNIT shall mean and apply to a Dwelling Unit, Accessory Dwelling Unit, Commercial/Industrial Unit, Live/Work Unit, or Work/Live Unit within a premises as defined below, unless specified otherwise.

ACCESSORY DWELLING UNIT shall be as defined by Chapter 13 of Division 1 of Title 7 of the California Government Code.

JUNIOR ACCESSORY DWELLING UNIT shall be as defined by Chapter 13 of Division 1 of Title 7 of the California Government Code.

DWELLING UNIT shall mean an attached or detached rental or owner-occupied residential unit on a premises, which provides complete independent living facilities for one or more persons, including one or more permanent provisions for living, sleeping, cooking, sanitation, and separate ingress/egress as solely determined by the District.

COMMERCIAL/INDUSTRIAL UNIT shall mean an attached or detached rental or owner-occupied unit used directly or indirectly in connection with any non-residential, or business undertaking, which provides complete independent facilities for one or more persons, including





# **REGULATIONS GOVERNING WATER SERVICE**

## **TO CUSTOMERS OF THE EAST BAY MUNICIPAL UTILITY DISTRICT**

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### **SECTION 1**

### **EXPLANATION OF TERMS USED IN THESE REGULATIONS**

one or more permanent provisions for sanitation, and separate ingress/egress as solely determined by the District.

LIVE/WORK UNIT shall be considered an attached or detached unit of a mixed-use premises that accommodates both residential and non-residential activities, but emphasizes the accommodation of residential activities per Local Land Use designation, as solely determined by the District. For the purpose of System Capacity Charges, a Live/Work Unit shall be considered as residential.

WORK/LIVE UNIT shall be considered an attached or detached unit of a mixed-use premises that accommodates both residential and non-residential activities, but emphasizes the accommodation of commercial activities per local land use designation, as solely determined by the District. For the purpose of System Capacity Charges, a Work/Live Unit shall be considered as non-residential.

WATER EFFICIENCY REQUIREMENTS shall include all water-using fixtures, technologies, practices, and ordinances in accordance with Section 31 of these Regulations.

## Section 4

### Main Extensions

FY 2026



# **REGULATIONS GOVERNING WATER SERVICE TO CUSTOMERS OF THE EAST BAY MUNICIPAL UTILITY DISTRICT**

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## **SECTION 4 MAIN EXTENSIONS**

### **A. EXTENDING MAINS**

In general, whenever extension of a water main within the District boundaries is required because a principal part of the premises to be served does not lie along an available water main with adequate flow and pressure, the extension will be installed after an agreement has been executed by the applicant and the District for payment by applicant of all applicable charges. The manner of determining the charges is set forth in this section and is based on the policy of the District that applicants for water service shall pay the full cost of facilities required to provide the service. The charges shall be as described in the Schedule of Rates and Charges.

#### **1. MAIN EXTENSIONS LESS THAN 1,000 FEET IN LENGTH**

A water main extension of less than 1,000 feet will be installed only by the District and in accordance with the terms and conditions of an agreement between the applicant and the District.

#### **2. MAIN EXTENSIONS OF 1,000 FEET AND OVER IN LENGTH**

A water main extension of 1,000 feet and over in length shall be installed by the applicant in accordance with the terms and conditions of an agreement between the applicant and the District. However, a water main extension of 1,000 feet and over in length involving multiple applicants acting as individuals, or where a public agency is the applicant, may be installed by the District in accordance with the terms and conditions of an agreement between the applicants and the District.

When the District requires polyvinyl chloride (PVC) or high density polyethylene (HDPE) pipe materials for main extensions, the applicant shall supply, at its own expense, the pipe materials and fittings. The District will supply valves, valve pot covers, blowoffs and minor appurtenances at the applicant's expense. Materials to be supplied by the District will be detailed on the District prepared drawings and specifications. When the District requires main extensions of pipe materials other than PVC or HDPE, the District will supply the pipe materials and fittings, also at the applicant's expense. However, in those few instances when an applicant installation requires 20-inch or larger pipe, the District may permit the applicant to furnish the pipe.

The pipe material supplied by the applicant and the work performed must comply with the drawings and specifications furnished by the District and shall be subject to District inspection at all times. The applicant will be required to pay in advance the charges for any District supplied materials, engineering and inspection services, and related overhead. The applicant must also furnish, in form and with sureties acceptable to the District, a faithful performance bond, or other security acceptable to the District, a payment bond, and certificates of insurance. Upon completion of the installation in accordance with the agreement, and acceptance by the District, title to the extension shall be transferred to the District by the applicant.



# **REGULATIONS GOVERNING WATER SERVICE TO CUSTOMERS OF THE EAST BAY MUNICIPAL UTILITY DISTRICT**

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## **SECTION 4 MAIN EXTENSIONS**

Water service shall not be provided by the extension of a water main where the meter(s) for the premises concerned will be located at an elevation of less than 100 feet below the overflow level of the reservoir supplying such main, except as provided in Sections 4.C.4 and 8-A.

Main extensions incorporating capacity for future customers in a region will be financed in part by System Capacity Charges. Such improvements will not be installed upon the request of one or more applicants to serve particular premises.

### **B. GENERAL PROVISIONS CONCERNING MAIN EXTENSIONS**

#### **1. General**

- a. The pipe specifications, point of commencement, and all other requirements for main extensions shall be determined by the District.
- b. All water main extensions shall be sized and located to meet estimated water service requirements of District customers, including projected water demands and fire flows.
- c. In cases where water quality is a concern, such as low water use that could potentially lead to high water age or incremental residence time, new water mains shall be sized to minimize water quality operations while meeting the estimated water service requirements, including projected water demands and, to the extent feasible, fire flows. The appropriate pipe material of new water mains shall also be evaluated in such cases.
- d. The appropriate pipe material to be used for new water mains shall also be evaluated for special circumstances, such as in steep terrain, narrow rights-of-way, potential landslide, liquefiable soil, corrosive soil areas, dead-end mains or creek, bridge, freeway, and railroad crossings where the use of conventional open-trench installation methods may not be feasible and/or where conventional installation methods may be cost prohibitive. Specific pipe material requirements for design of new water mains shall be in accordance with District Engineering Standards .
- e. A water main extension will not be permitted solely to supply a hydrant or private fire service unless it is determined by the District that such extension will not adversely affect the distribution system.

#### **2. Size of Water Mains**

- a. The minimum size of water mains shall be as follows:
  - In low- and medium-density residential areas, except as provided below, the minimum size shall be 6 inches. If water quality is a concern, as solely determined by the District, a 4-inch main extension shall be considered if estimated water service requirements and fire flow can be met. An applicant shall



# **REGULATIONS GOVERNING WATER SERVICE TO CUSTOMERS OF THE EAST BAY MUNICIPAL UTILITY DISTRICT**

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## **SECTION 4 MAIN EXTENSIONS**

be charged for the size of the main extension needed to meet the water service requirements, including fire flow, for the project.

- In high-density residential, commercial, and industrial areas, and on long streets without side connections, such as on terraced hillsides, the minimum size shall be 8 inches. If water quality is a concern, as solely determined by the District, a 6-inch main extension shall be considered if estimated water service requirements and fire flow can be met. An applicant shall be charged for the size of the main extension needed to meet the water service requirements, including fire flow, for the project.
  - Four-inch main extension may be used in short cul-de-sacs, shallow side courts, or similar areas where all of the following conditions exist: (1) there is no possibility of further extensions or looping; (2) there are no required hydrants or potential for future hydrants; and (3) the service conditions provided in Section 2.b below can be met. An applicant shall be charged for the size of the main extension to be installed.
  - Two-inch pipe may be used in private driveways or roads where all the following conditions exist: (1) there are no more than three possible service connections; (2) there is no possibility of further extension or service connections; (3) there is no requirement for a fire hydrant; and (4) standard service is reasonably available from the extension to all premises to be served.
- b. New water mains shall be sized to meet the following water service requirements:
- Projected maximum day demand (MDD) with a residual pressure of at least 40 pounds per square inch (psi) in the main, where feasible;
  - Projected MDD plus the project's design fire flow with a residual pressure of at least 20 psi in the main and at existing service connections throughout the pressure zone;
  - Projected maximum pumping rate with the pressure not exceeding 140 psi at the nominal lower elevation of the pressure zone (equivalent to 300 feet below reservoir overflow elevation); and
  - Pressure fluctuation in the main limited to a maximum of 30 psi under normal operating extremes, not including fire flow.

Exception: Low-pressure service shall be governed by Section 8 and Section 8A of the Regulations Governing Water Service to Customers of EBMUD.



# **REGULATIONS GOVERNING WATER SERVICE TO CUSTOMERS OF THE EAST BAY MUNICIPAL UTILITY DISTRICT**

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## **SECTION 4 MAIN EXTENSIONS**

- c. Main extensions, and replacements for service, shall be sized to provide capacity for the applicant and the potential future demand beyond that of the applicant. The applicant shall be charged only for the size of main required for the applicant's project as determined above.

### **3. Length and Location of Water Mains**

- a. To the extent practicable, water mains shall be located within the paved area of streets or roads..
- b. With the exception of the nonpotable water distribution system and to the extent practicable, the distribution system network shall consist of closed loops so each section of main can be fed from either end, dead ends shall be avoided, existing dead ends shall be eliminated, and areas with a large number of service connections shall have more than one feed. An applicant shall not be charged for the additional water main necessary to close a loop in the existing distribution system unless it is required to meet estimated water service requirements and/or minimize water quality operations. When a closed loop system is required for a new development project, the charge for these water mains shall be included in the applicant's water service estimate.
- c. For operational reasons, a water main 20 inches or larger, which has the primary purpose of transmission of water between major facilities and/or significant areas of the distribution system shall not be available for installation of service connections. Service shall be granted from a smaller parallel main extended from the nearest available main in the distribution system or from a turnout on the larger main at a location consistent with the orderly development of the distribution system grid in the vicinity of the applicant's premises. An applicant shall be charged for the parallel main extension required for service. If the existing larger main carries a front foot charge, the District shall reimburse the original applicant based on the front footage of the properties that shall be served by the smaller parallel main, provided that the front foot charge is payable.

Exceptions: Installation of a service connection on a 20-inch or larger water main which has the primary purpose of transmission of water between major facilities and/or significant areas of the distribution system may be considered (1) for an isolated service that can be interrupted for long periods, such as an irrigation service under a conditional service agreement, or (2) for an isolated service where the District determines that the installation of a smaller parallel water main would be impractical because an available main does not exist and the development of a distribution system to serve other properties in the vicinity is not anticipated in the foreseeable future.



# **REGULATIONS GOVERNING WATER SERVICE TO CUSTOMERS OF THE EAST BAY MUNICIPAL UTILITY DISTRICT**

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## **SECTION 4 MAIN EXTENSIONS**

- d. A separate parallel water main may be required in a street or road if the following conditions are met for a situation where one or more service laterals or hydrant laterals would be required on the opposite side of the existing water main:
  - 1. The laterals cross three or more traffic lanes in a heavily travelled way.
  - 2. The laterals cross five or more traffic lanes under all other traffic conditions.
  - 3. The road is divided or contain a subsurface structure or facility interfering with the normal installation of a service lateral.

Note: The number of traffic lanes includes bicycle and curb parking.

An applicant shall be charged for a parallel main extension if it is required for service. The existing mains are available for service connections only to premises with frontage on the same side of the street or road.

### **C. EXCEPTIONS**

The preceding provisions shall not apply to main extensions under the following conditions:

- 1. Where the District finds that there is inadequate capacity in the existing system, in which case the applicant will be advised of the terms and conditions under which an extension may be installed.
- 2. If the construction of major facilities is required before service can be granted, in which case the conditions of Section 3-B shall govern.
- 3. If in the determination of the District the majority of adjacent premises fronting on the same street or road are already served by the District at locations other than the principal frontage without service agreements allowing for such non-standard service, a water main extension may not be required. The owner(s) of the premises shall agree in writing to the conditions of service, including relocation of the service and payment of any applicable costs, should standard service become available at the principal frontage. This agreement, which may include provisions of limited or low pressure service if applicable (see Section 8), shall be a covenant against the premises to be served and shall run with the land, and be recorded by the District.
- 4. Where unusual conditions exist, in which case the applicant will be advised of the terms and conditions under which an extension may be installed.
- 5. If in the determination of the District it is not in the best interests of the District to extend a water main with standard pressure and flow or to construct major facilities for a new pressure zone, the District may, in its sole discretion, authorize water service from a water





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## **SECTION 4 MAIN EXTENSIONS**

main that is not adjacent to the principal frontage of the premises to be served. The following conditions must prevail in order for service to be authorized pursuant to this subsection:

- The project is for a small number of premises.
- The premises can be served from a water main in the immediately adjacent lower pressure zone, or higher pressure zone. Service from a higher pressure zone will be considered only if pressures to the premises are not too high.
- The District has determined that a standard distribution system to provide the premises with water service is not presently feasible.
- The proposed method of service has been reviewed and is recommended by the Manager of Water Distribution Planning and approved by the Director of Engineering and Construction.
- The applicant has agreed to all terms and conditions set forth in these Regulations with respect to Limited, Low-Pressure or High Pressure Services, if applicable.
- The applicant has agreed to all terms and conditions necessary to provide water service including, but not limited to, applicant installation and District inspection of pumping and/or storage facilities; restrictions on pumping capacity and operation; agreement to pay a proportionate share of the cost of installing flow control valves or other equipment necessary to provide service without adversely affecting the pressure and flow to existing customers; and acknowledgement that District may install flow restricting devices and/or terminate water service if the restrictions on pumping capacity and operation are exceeded.
- The applicant has agreed to pay a proportionate share of the cost of a main extension and the cost to relocate services in the event that a water main is installed immediately adjacent to the premises at some future date.
- Applicant has also agreed to notify subsequent owners of the premises of the conditional nature of the water service.
- The applicant has further agreed that the location of the water service connection shall be subject to District approval and shall not be located in the traveled way of private roads or driveways and shall be readily accessible for purposes of meter reading and routine maintenance.
- The applicant has provided written evidence of the following:
  - a. Satisfaction of all requirements applied to the development by the fire protection agency;





# **REGULATIONS GOVERNING WATER SERVICE TO CUSTOMERS OF THE EAST BAY MUNICIPAL UTILITY DISTRICT**

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## **SECTION 4 MAIN EXTENSIONS**

- b. Evidence that local agencies responsible for issuance of building and occupancy permits have been fully informed of the nature and conditions of water service to the development;
- c. Acquisition of all necessary property rights as determined by the District.

For purposes of this subsection, “feasible” shall mean that the District has determined that standard water service configurations under these Regulations are not economical due to the costs of operating and maintaining the water service facilities in relation to the small number of premises to be served. In making this determination, factors to be considered by the District include, but are not limited to: (a) the projected revenue from new services in the development as compared to the costs of operating and maintaining water service facilities that would otherwise be required to serve the development and (b) the anticipated additional costs that would be incurred by the District to maintain water quality in such water service facilities.

- 6. In certain unusual circumstances as solely determined by the District, a water main extension may not be required and the premises may be served at a location other than the principal frontage, provided that:
  - The premises fronts on an existing main of adequate flow and pressure, but is separated from the main by a strip of land used solely for landscaping purposes that is owned by a third party, that has been determined by the District to be unsuitable for development, and across which the applicant has an easement for service and no other utility easement is reasonably available;
  - The applicant meets the requirements for a conditional service and agrees in writing to the conditions of such service as set forth in Section 3; and
  - The District has determined that a main extension is not desirable because of geotechnical factors or not necessary to facilitate system operation.

## **D. FRONT FOOT CHARGES AND REFUNDS**

### **1. FRONT FOOT CHARGES**

The District will collect a front foot charge, where applicable, before granting a standard service or a private fire service to premises which lie along and may be served directly from any main extension installed under the provisions of this regulation or financed by the District. The front foot charge for a main extension shall be in effect for a period of twenty years from (1) the date of execution of the contract if the extension is financed by an applicant, or (2) the date of the official completion of the extension if financed by the District.



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## **SECTION 4 MAIN EXTENSIONS**

The front foot charge shall not be applied more than once to any premises. Except for unusual conditions, premises already served at the date of installation of the extension will be excluded in determining the front foot charge. Unusual conditions include, but are not limited to, premises served under a special service agreement, premises for which relocation of the service connection to the extension is requested, and premises already served but later subdivided requiring additional service connections.

Whether a main extension is installed by an applicant or by the District, the front foot charge will be determined by dividing the charge for the extension by the front footage of all premises which lie along and may be served directly from the extension. When installed by the applicant, the charge for the extension for purposes of determining the front foot charge shall be computed as if installed by the District.

To equitably distribute extension costs to the premises served from the extension, when a premises has an average lot width with more than a nominal difference when compared to the principal frontage, such as on road curves and cul-de-sacs, the average lot width, as determined by the District, shall be the front footage for that premises. The District may also include, in determining the charge, premises which do not have principal frontage on the extension but will have service connections on the extension under special service agreement.

### **2. FRONT FOOT CHARGE REFUNDS**

The applicant who has financed a main extension (or the applicant's assignees) is entitled to the front foot charges collected by the District for permitting the connection of a standard service or a private fire service to such extension. The amounts collected will be refunded without interest within 90 days following the date of collection.

No front foot charge refunds will be made after twenty years from the date of execution of the contract for an applicant-financed extension except those refunds which have accrued during such twenty-year period. The terms of this refund provision shall apply to all water mains installed under contracts executed on or after April 1, 1955.

The total amount of all refunds made by the District to the applicant (or the applicant's assignees) may not exceed the installation charge for the main used to compute the front foot charge.

## Section 17

Change in Use and/or Size of Service

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## **SECTION 17 CHANGE IN USE AND/OR SIZE OF SERVICE**

An installation charge and resulting increase of the System Capacity Charge, as provided in the Schedule of Rates and Charges will be required when a customer applies for a change in use, increase in size, or change in location of an existing service connection.

Changes in the use of a service or increased usage on an existing service for a premises and corresponding System Capacity Charge are subject to the following provisions:

### **A. INCREASE OR CHANGE IN USE:**

Before new water using features or equipment (e.g. cooling towers, additions to existing structures, industrial processes, buildings, etc.) are added to a premises or the use of water using features or equipment on a premises increases or changes, the customer must submit a water service application along with supporting water use data for the District to conduct a water service assessment. The District shall review the application to make the following determinations:

1. Whether a new meter is required to accommodate increased water use;
2. The amount of any associated System Capacity Charge resulting from the increase and/or change in use, regardless of the size of the meter.

When the water service assessment indicates a change in use will occur, the District may determine an increase in meter size, lateral(s), or water main(s) is necessary to provide adequate water service to the premises. If the District determines that changes in meter size, lateral(s), or water main(s) are necessary to provide adequate water service to the premises, the customer shall pay any resulting charges as set forth in the Schedule of Rates and Charges. Where an existing meter larger than 1-1/2 inches sufficiently meets the demand of a proposed increase and/or change in use, the District will determine the increase in the estimated annual average water usage for the premises, and will require payment of an additional System Capacity Charge for the increased usage as provided in the Schedule of Rates and Charges. For an increase or change in water use caused by the creation of an Accessory Dwelling Unit or Junior Accessory Dwelling Unit on a premises, connection fees and capacity charges will be imposed only as authorized by Chapter 13 of Division 1 of Title 7 of the California Government Code.

Failure to report an increase and/or change in water use may result in District investigation to determine compliance with these Regulations. If the District determines that changes in the meter size, lateral(s), or water main(s) are necessary to provide adequate water service to the premises and/or that payment of additional System Capacity Charges is required, but the customer refuses to initiate a water service application and/or pay resulting charges set forth in the Schedule of Rates and Charges, the District will take further actions to address noncompliance with these Regulations which may include installation of a flow restriction device and/or discontinuation of service.



# **REGULATIONS GOVERNING WATER SERVICE**

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### **SECTION 17**

#### **CHANGE IN USE AND/OR SIZE OF SERVICE**

##### **B. REQUESTED REDUCTION IN SIZE OF SERVICE**

A requested change to a smaller size service must be approved by the District and will be made after the applicant has paid the installation charges as set forth in the Schedule of Rates and Charges. No System Capacity Charges will be assessed for reduction in size of service. The owner shall not be entitled to a refund of any portion of a System Capacity Charge paid for the original larger meter.

##### **C. REQUESTED INCREASE IN SIZE OF SERVICE**

A requested increase in the size of a service must be approved by the District and will be made by the District after the applicant has paid the installation charges and the resulting increase in the System Capacity Charge set forth in the Schedule of Rates and Charges. The increase in the System Capacity Charge resulting from an increase in the size of a service equal to the difference between the System Capacity Charges applicable to the new service size as set forth in the Schedule of Rates and Charges.

##### **D. REQUESTED REPLACEMENT OR RELOCATION OF SERVICE LARGER THAN 1-1/2 INCHES**

A requested relocation of any meter larger than 1½ inches or replacement of any meter larger than 1-1/2 inches with a meter of equivalent size must be approved by the District and will be made by the District after the applicant has paid the installation charges. If the meter relocation or replacement is in support of improvements to existing structures and/or new construction, the District will determine if the changes will result in an increase in the estimated annual average water usage for the premises, and will require payment of an additional System Capacity Charge for the increased usage as provided in the Schedule of Rates and Charges. The owner shall not be entitled to a refund of any portion of a System Capacity Charge paid for the original meter based on a resultant reduction in the water usage resulting from the changes.

A change in size of service which involves a change in location will only be approved by the District subject to the provisions of Section 18 and payment of the applicable relocation cost.

An installation charge, as provided in the Schedule of Rates and Charges, will be required when a customer applies for a change in type, increase in size, or change in location of an existing service connection.

## Section 26

### Protection of Public Water Supply

FY 2026



# **REGULATIONS GOVERNING WATER SERVICE TO CUSTOMERS OF THE EAST BAY MUNICIPAL UTILITY DISTRICT**

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## **SECTION 26 PROTECTION OF PUBLIC WATER SUPPLY**

In making plumbing connections, the customer is required to comply with Public Law 99-339 - The Safe Drinking Water Act Amendments of 1986, and the California State Water Resource Control Board's Cross-Connection Control Policy Handbook (CCCPH). The water purveyor has the primary responsibility for protecting the public water supply from contamination by implementation of a cross-connection control program.

Such regulations prohibit:

- unprotected cross-connections between multiple domestic supplies, a domestic water supply and any auxiliary water supply, or between a potable water supply and a nonpotable water supply;
- water service to a premises where there is a probability that a pollutant, contaminant, or plumbing hazard may be created;
- water service where materials dangerous to health or toxic substances in toxic concentrations are handled; or
- water service where the water system is unstable and cross-connections may be installed or reinstalled.

Accordingly, the District requires the installation of a backflow preventer or other prevention methods under any of the following conditions:

- where another source of water, including recycled water, whether cross-connected or not, is in use or is available for use;
- where contaminated liquid or soluble substances of any kind are used, produced or processed; or
- where cross-connection hazards are identified.

Where a backflow preventer or other prevention method is used as a protection to the customer's plumbing system, a suitable pressure relief valve must be installed and maintained by the customer at the customer's expense. The relief valve shall be installed between the backflow preventer and the water heater.

When necessary, the District may require the customer to eliminate certain plumbing or piping connections as an additional precaution to prevent backflow.

The California State Water Resource Control Board's CCCPH requires the water purveyor to any premises on or for which a backflow preventer is installed to ensure that adequate maintenance and periodic testing are provided by the water customer to guarantee proper operation. According to the CCCPH, backflow preventers and airgaps must be inspected and tested at least once per year or more frequently if determined to be necessary by the water purveyor. Backflow preventers must be tested by persons who have demonstrated competency to the water purveyor or health agency. Accordingly, the



# **REGULATIONS GOVERNING WATER SERVICE**

## **TO CUSTOMERS OF THE EAST BAY MUNICIPAL UTILITY DISTRICT**

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### **SECTION 26**

### **PROTECTION OF PUBLIC WATER SUPPLY**

District will establish a list of contractors who have demonstrated competency in the testing of backflow preventers, and a list of approved preventers that have passed laboratory and field evaluation tests performed by a testing organization that is recognized by the State Water Resource Control Board.

Backflow preventers and airgaps may be inspected and tested by the District. If the inspection cannot be made without undue difficulty because of an obstruction or other interference, the customer will be notified and required to either correct the condition or have the inspection made at the customer's own expense and witnessed by the District.

Installation costs and the annual testing and maintenance of backflow preventers shall be performed by a certified tester contracted by the customer at the customer's expense. Passing test reports must be received by EBMUD's Backflow Prevention Group annually for continued water service.

After July 1, 2025, District-owned backflow preventers on residential services shall no longer be installed, tested, or repaired at the District's expense. Any backflow preventers required to be installed, tested, or maintained must be performed by the customer at the customer's expense.

Service for any premises may be discontinued if it is found that dangerous or unprotected cross-connections exist or if the regulatory requirements are not met. Service will not be restored until such defects are corrected at the customer's expense and applicable District restoration charges have been paid.



Section 30

Recycled Water Service

FY 2026



# **REGULATIONS GOVERNING WATER SERVICE TO CUSTOMERS OF THE EAST BAY MUNICIPAL UTILITY DISTRICT**

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## **SECTION 30 RECYCLED WATER SERVICE**

### **A. SCOPE OF REGULATION**

The State Legislature has determined that use of potable water for certain nonpotable uses is a waste or unreasonable use of water if recycled water is available which meets the conditions specified in California Water Code section 13550, et seq. District Policy 9.05 requires that customers of the District use recycled water for nonpotable uses when it is of adequate quality and quantity, available at reasonable cost, not detrimental to public health, and not injurious to plant life, fish, and wildlife. This Regulation governs the following: the purposes for which the District may require the use of recycled water; the manner in which the District determines whether to require recycled water use in a given case; and the rights and obligations of an applicant for water service or an existing District customer affected by the District's determination.

This Regulation does not govern the provision or use of untreated nonpotable water (also known as raw water). The District may agree to provide raw water, where available, for nonpotable use on a case-by-case basis pursuant to contractual terms and conditions.

### **B. DEFINITIONS**

The following terms, when used in this Regulation, shall have the meanings given below.

**Applicant.** A person or entity who has applied to the District for new potable water service or recycled water service, or for a change in use of existing potable water service or recycled water service, at a given premises.

**Customer.** A person or entity who has established and receives potable water service or recycled water service from the District at a given premises.

**Dual Plumbing.** The installation of separate facilities for the distribution of potable and recycled water service. These facilities may include distribution piping from the water service main or water supply source to the water service meter, and facilities on the customer's side of the water service meter.

**Nonpotable Use.** Any use of water for which recycled water may be lawfully used, including irrigation of landscape areas (including parks, greenbelts, playgrounds, school yards, athletic fields, golf courses, cemeteries, residential landscaping, common areas, commercial or industrial landscaping, and freeway, highway, and street landscaping, but excluding designated outdoor eating areas subject to spray, mist or runoff); irrigation of crops and pasture land; industrial uses (including floor trap priming, cooling towers, and air-conditioning devices), toilet and urinal flushing in any structure described in California Water Code section 13553, subdivisions (c) and (d); construction; fire suppression; hydrostatic testing; dust control; street sweeping; and supply for recreational impoundment.

**Recycled Water.** Water which, as a result of treatment of waste, is suitable for a direct beneficial use or a controlled use that would not otherwise occur and is therefore considered a valuable resource. (Wat. Code, § 13050, subd. (n).)

**Retrofit.** The conversion or modification of existing water service facilities such that the facilities are suitable for recycled water service.



# **REGULATIONS GOVERNING WATER SERVICE**

## **TO CUSTOMERS OF THE EAST BAY MUNICIPAL UTILITY DISTRICT**

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### **SECTION 30**

### **RECYCLED WATER SERVICE**

Water Reuse Zone. A portion of the District's service area in which the District has determined that recycled water service is reasonably available. In general, a premises is within a Water Reuse Zone if it is no more than one-half mile from an existing or planned recycled water pipeline. The District's designated Water Reuse Zones are described on the District's public website. The District may designate new Water Reuse Zones or modify existing Water Reuse Zones from time to time, which shall become effective when made available on the District's website.

Water User. An applicant or a customer.

#### **C. RECYCLED WATER USE REQUIREMENT**

Each existing customer of the District, and each applicant for new or expanded service from the District, shall use recycled water for nonpotable uses within any designated Water Reuse Zone, if the District determines pursuant to this Regulation that recycled water is or will be available for the intended nonpotable uses and requires its use.

#### **D. DETERMINATION OF AVAILABILITY OF RECYCLED WATER**

The District may from time to time identify existing customers within a Water Reuse Zone and determine whether recycled water is available to serve the nonpotable uses of those customers. The District will also review applications for new or expanded service within a Water Reuse Zone to determine whether recycled water is available to serve an applicant's intended nonpotable uses. The District, in its sole discretion, will determine whether a source of recycled water is available to a particular water user for a particular nonpotable use.

When making that determination, the District will consider the following facts and circumstances:

1. Whether the identified source of recycled water is of adequate quantity for the water user's intended nonpotable use;
2. Whether the identified source of recycled water is of adequate quality for the water user's intended nonpotable use. In determining adequate quality, the District shall consider all relevant factors on a user-by-user basis, including applicable legal and regulatory requirements, food and employee safety, and level and types of specific constituents in the recycled water affecting the intended nonpotable use;
3. Whether it is technically feasible for the District to treat and deliver recycled water for the intended nonpotable use;
4. Whether recycled water may be furnished for nonpotable use at a reasonable cost to the water user and to the District. Before requiring recycled water use, the District shall determine that the cost to the water user of supplying treated recycled water for a particular nonpotable use of water is comparable to, or less than, the cost of supplying potable domestic water to the same water user for the same use. In making this determination, the District shall compare the present and projected costs to supply each source of water (potable vs. recycled) to the water user for specific nonpotable use(s), accounting for the following: (i) the expected cost to the water user



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## **SECTION 30 RECYCLED WATER SERVICE**

for system capacity and for the acquisition, conveyance, treatment, and distribution of each source of water, (ii) the expected cost to the water user to construct any new improvements and infrastructure necessary to supply each source of water to the water user, which costs may be evaluated over a reasonable payback period, (iii) any cost savings to the water user expected to result from a difference in the unit rate charged for each water source, and (iv) any cost savings to a customer expected to result from an offer of payment by the District towards the cost of necessary retrofit work;

5. Whether the intended use of recycled water will be detrimental to public health;
6. Whether the intended use of recycled water will degrade water quality or be injurious to plant life, fish, and wildlife;
7. Whether there is an alternative higher or better use for the identified source of recycled water; and
8. Whether the use of recycled water for the water user's intended use would be consistent with all applicable federal, state, and local laws and regulations.

The District shall consider the facts and circumstances listed above. The District may consider any relevant information and any other relevant facts and circumstances. The District may require a water user to furnish information which the District determines to be relevant to the determination. However, nothing in this Regulation shall be construed to require the District to hold a hearing or take any evidence.

When determining whether recycled water is available for purposes of this Regulation, the District may consider both existing facilities and identifiable planned facilities. If the District determines that recycled water will be available in the future from planned recycled facilities not yet constructed or in operation and requires recycled water use on that basis, then the District will offer interim potable water service as provided in this Regulation until the District is able to deliver recycled water to the premises.

If the District determines in its sole discretion that recycled water is available to a water user for a particular nonpotable use, the District may require the water user to use recycled water in lieu of potable water for that use, and if the District so requires, then the District will not supply the water user with potable water for that nonpotable use, except (1) as a backup supply if authorized on conditions set by the District, and/or (2) on an interim basis as provided in this Regulation. The District will notify the water user in writing of the requirement to use recycled water. The notification will include information regarding District water service requirements, state a date by which the water user's premises must be ready to accept recycled water service, and describe any facilities that must be constructed on the water user's premises, including dual plumbing and backflow prevention devices, and the deadline for completing construction. The District may require a water user to retrofit existing water service facilities to accommodate recycled water service. Applicants may be required to pay for recycled water main extensions providing principal frontage and onsite piping, recycled water infrastructure, and dual plumbing, on terms and conditions specified by the District.



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## **SECTION 30 RECYCLED WATER SERVICE**

### **E. RECYCLED WATER USE PERMITS**

Water users who are required or desire to use recycled water shall submit a recycled water service application in a form specified by the District. Following receipt, review, and approval of the application, and the completion of construction, but before the start of recycled water service, the District will issue a recycled water use permit which states the approved use(s) for recycled water at the water user's premises and the other requirements the water user must meet as a condition of recycled water service.

Recycled water service will not commence until all fees and charges have been paid and the District has verified compliance with the permit requirements. Failure to comply with permit requirements is a violation of this Regulation and may result in suspension or termination of recycled water service.

### **F. INTERIM POTABLE WATER SERVICE**

As solely determined by the District, a potable water supply for nonpotable use may be provided on an interim basis until all necessary construction and other requirements for receiving recycled water delivery is complete and a recycled water supply is ready to be served. The District may offer interim potable water service if the District is not yet ready to deliver recycled water to or near a customer's premises but has planned for a future capability to make such delivery. The District generally will not provide interim potable water service for nonpotable use if recycled water service is currently available for delivery to the customer's premises. All potable water delivered during the period of interim potable water service will be billed at the prevailing potable water rates.

The District may condition the provision of interim potable water service on the water user's agreement to comply with any or all of the following requirements:

1. Installation by the water user within a time specified by the District of water service facilities, separate from the potable water service facilities, necessary to convert to or begin receiving a recycled water supply when available;
2. Agreement by the water user to pay the District's cost to install water facilities which the water user is required or has agreed to install within a specified time, if the work is not completed within that time; and/or
3. Any other conditions deemed necessary by the District.

Applicants for new or expanded service who are approved to receive an interim potable water supply pending the commencement of delivery of recycled water to the premises shall pay the applicable System Capacity Charge for Nonpotable Water Service before interim service will be provided, notwithstanding the interim delivery of a potable water supply.

Interim potable water service to a customer shall be discontinued if and when the District makes any of the following determinations:

1. That the District is ready to deliver an adequate supply of recycled water to the customer's



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## **SECTION 30 RECYCLED WATER SERVICE**

premises, in which case the customer henceforth must use recycled water, not potable water, for nonpotable use;

2. That the customer has not timely completed any required construction work or failed to comply with any other condition on the customer's receipt of interim potable service, in which case the customer must cease using potable water for nonpotable use; or
3. That the District no longer plans to develop the capability to deliver recycled water to or near the customer's premises, in which case the customer may continue using potable water for nonpotable use if the applicable System Capacity Charge for Potable Water Service is paid, provided that any prior payment received for the System Capacity Charge for Nonpotable Water Service will be credited towards the balance due.

### **G. EXISTING CUSTOMER RETROFIT WORK**

#### **1. APPLICABILITY**

The District may require an existing customer who has previously established one or more nonpotable use(s) at a given premises within a Water Reuse Zone to cease using potable water for such nonpotable use(s) and to use recycled water henceforth instead, if the District determines in accordance with this Regulation that recycled water is or will be available to serve the nonpotable use(s) at the customer's premises, and the provisions of this Subsection G (entitled "Existing Customer Retrofit Work") apply to each such customer.

#### **2. INSTALLATION, OPERATION, AND MAINTENANCE COSTS**

- a. Financial Responsibility for Design and Construction Work. Except as otherwise provided herein, when an existing customer is required by the District to convert to recycled water service, the District will offer to (1) pay or reimburse the reasonable design and capital costs of any retrofitting of the water service facilities on the customer's side of the water service meter that is necessary for the customer to use recycled water in compliance with the customer's recycled water use permit and this Regulation, and (2) provide for installation of the recycled water service facilities necessary to deliver recycled water to the customer's water service meter which is payable or reimbursable by the District as specified in this Regulation. The District may require the customer to remove or downsize the existing potable water connection. Notwithstanding the foregoing, if the customer requests installation of recycled water service facilities to serve new development or to increase the capacity of a previously established nonpotable use, such facilities are subject to the provisions of Subsection H (entitled "New Customer Service Applications and Voluntary Conversions") and not this Subsection G.
- b. Financial Responsibility for Operation and Maintenance Costs. A customer may begin to receive service when the retrofit is completed, the customer's premises is ready to accept recycled water, and the customer has applied for and received a recycled water use permit. The customer is responsible for all costs of operating and maintaining the water service facilities on the customer's side of the water service meter(s) and for complying





# **REGULATIONS GOVERNING WATER SERVICE TO CUSTOMERS OF THE EAST BAY MUNICIPAL UTILITY DISTRICT**

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## **SECTION 30 RECYCLED WATER SERVICE**

with all reporting and inspection requirements in accordance with District and State regulations, except where the District has determined that it would be in the best interests of the District to own, operate and maintain on-site treatment facilities on the customer's premises in which case the District may agree to accept responsibility for such costs. The customer shall pay the District's current nonpotable water rate for recycled water delivered to the customer. If recycled water is unavailable when the retrofit is complete, the customer shall be liable to pay the District's current potable water rates until recycled water is available for delivery to the customer's premises.

- c. Capacity Charges and Installation Charges. An existing customer who converts a previously established use of water at a given premises from potable water use to recycled water use, without increasing the meter size of the connection serving that previously established use, shall not be liable to pay the System Capacity Charge for Nonpotable Water Service. Fees and charges, including a capacity charge, previously paid to receive potable water service, shall not be refunded.

### **3. DESIGN AND CONSTRUCTION PROCESS**

- a. Option to Construct. An existing customer required to convert to recycled water service may choose to authorize the District to design and construct the required retrofit work, or otherwise the customer must design and construct the required retrofit work by the date indicated in the District notification. If the District determines before construction begins that the retrofit of the customer's facilities is not feasible, the District shall be released from any obligation to perform or reimburse the cost of any retrofit work and the customer shall be released from the requirement to convert to recycled water service until such time as the District determines the retrofit is feasible.
- b. Retrofit Work By District. If a customer requests the District to design and construct the retrofit work, the customer shall sign a Retrofit Agreement which sets forth the rights and obligations of the District and the customer with respect to the retrofit work. The customer must comply with the Retrofit Agreement as a condition of the District's performance of the work. The customer may review the retrofit design. The customer must provide access to the premises as necessary for the District or its contractors to perform the design and construction work. Site access may be required for inspections, testing, or other purposes. The Retrofit Agreement may require the customer to indemnify the District, to allow entry and inspection by the District, and to consent to other provisions deemed appropriate by the District for the accomplishment of the work and the protection of the District and its customers. The District shall install backflow prevention devices when required by law and/or deemed appropriate by the District.
- c. Retrofit Work By Customer.
  - i. Design. If a customer does not enter into a Retrofit Agreement acceptable to the District, the customer must perform the design and construction of the retrofit work in accordance with the following requirements. The customer shall first submit to the



# **REGULATIONS GOVERNING WATER SERVICE TO CUSTOMERS OF THE EAST BAY MUNICIPAL UTILITY DISTRICT**

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## **SECTION 30 RECYCLED WATER SERVICE**

District for review a cost estimate for a complete design for the retrofit construction work. If the District approves the cost estimate, the customer shall prepare, or have prepared, a conceptual ("30%") design and submit it for District review. If the District approves the conceptual design, the customer shall complete the final design and submit it for District review. The customer's retrofit design must include all retrofit elements required by state law. The District shall review the completed design for adherence to legal and District requirements and may approve, conditionally approve, or deny approval of the submitted design. The District may direct changes to the design, in which case the customer must submit a revised design incorporating the changes to the District for approval before construction begins. If the final design is approved, the District will thereafter pay the customer's reasonable and documented actual design costs, provided that payment shall not exceed the approved design cost estimate absent prior written approval by District. Any changes to the proposed retrofit work must be submitted for District approval prior to construction.

- ii. Construction. After final design approval, the customer shall provide a construction cost estimate and schedule for District review. Construction work may not begin until the District has approved the construction cost estimate and schedule. The customer shall thereafter complete the retrofit work. The customer shall be exclusively responsible for compliance with all applicable federal, state, and local codes, laws, ordinances and regulations and for obtaining and complying with all necessary permits. The customer shall maintain compliance documents and furnish copies of said documents upon District request. Customers shall install backflow prevention devices as required by law or by the District. The District shall be entitled to review the scope of work and schedule set forth in a construction contract to verify the suitability and timeliness of the proposed retrofit work. However, the District shall not be party to any contract between the customer and a third-party consultant or contractor, and the District shall have no responsibility thereunder.
- iii. Inspection. After construction is complete, the customer shall notify the District, and the District may thereafter enter the premises and inspect the retrofit work to verify that the retrofit items are installed and properly functioning, and to perform required cross-connection and backflow prevention testing. The District may require the customer (or the customer's representative) and any construction contractor used to perform the retrofit work to be present during the final inspection. The District may pass, conditionally pass, or fail the work. If the construction work passes the inspection, the District will thereafter pay the customer's documented actual construction costs, provided that payment shall not exceed the approved construction cost estimate absent prior written approval by District.
- iv. Customer's Failure to Complete Retrofit Work. A customer required to perform retrofit work must complete the required work and be ready to receive delivery of recycled water no later than the date specified by the District. The District may extend the time to complete retrofit work in the reasonable exercise of its discretion if the customer shows good cause. Failure to timely complete retrofit work is a violation of this





# **REGULATIONS GOVERNING WATER SERVICE TO CUSTOMERS OF THE EAST BAY MUNICIPAL UTILITY DISTRICT**

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## **SECTION 30 RECYCLED WATER SERVICE**

Regulation.

- v. Indemnification and Liability. A customer, by accepting payment or reimbursement from the District for recycled water retrofit work which is completed by the customer or by a contractor or agent retained by the customer, is required to indemnify, defend, and hold harmless the District and its Directors, officers, and employees, from and against any and all loss, liability, expense, claims, lawsuits, and damages, including reasonable attorney's fees, arising out of or pertaining or relating to the design, construction, and/or operation of the recycled water retrofit work. Furthermore, by providing any review, inspection, or approval of customer work or customer submittals, the District does not intend to warrant or represent that the work or submittals are adequate or sufficient to meet legal or permit requirements or to function for the customer's intended purpose, and the District shall not be liable to the customer or any other party for any claims or losses arising in connection therewith.

### **H. NEW CUSTOMER SERVICE APPLICATIONS AND VOLUNTARY CONVERSIONS**

#### **1. APPLICABILITY**

The provisions of this Subsection H (entitled "New Customer Service Applications and Voluntary Conversions") apply to the following applicants and customers:

- a. Each applicant for water service for a new or expanded nonpotable use who is required by the District to use recycled water pursuant to this Regulation.
- b. Each existing customer of the District who requests installation of additional recycled water service facilities to serve new development or to expand capacity.
- c. Each existing customer of the District who requests conversion from potable to recycled water service, where the conversion is not required by the District.

#### **2. COSTS FOR WHICH APPLICANTS AND CUSTOMERS ARE RESPONSIBLE**

Water users subject to this Subsection H shall be solely responsible for the full cost of all facilities and infrastructure necessary to deliver recycled water from the closest available recycled water facility to and within the premises. Water users are solely responsible to timely pay all applicable rates, charges, and fees in accordance with the District's Water System Schedules of Rates, Charges, and Fees and the Regulations Governing Water Service to Customers of the East Bay Municipal District. Failure to timely complete all work or to pay any sum due is a violation of this Regulation and will result in denial of water service.

#### **3. MAIN EXTENSIONS; CONDITIONAL SERVICE CONNECTIONS**

The District may require the installation of major recycled water main extensions with excess capacity to meet future customer demands in certain service areas. The District will evaluate the need and feasibility for main extension excess capacity on a case by case basis. The water



# **REGULATIONS GOVERNING WATER SERVICE TO CUSTOMERS OF THE EAST BAY MUNICIPAL UTILITY DISTRICT**

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## **SECTION 30 RECYCLED WATER SERVICE**

user will only be charged for the size of the main required by District standards to serve the water user's recycled water demand. Extension of recycled water mains shall be subject to the requirements of Section 4 of the District's Regulations Governing Water Service to Customers of the East Bay Municipal District.

Section 3 of the Regulations Governing Water Service to Customers of the East Bay Municipal District specifies the conditions in which the District may locate a conditional service connection(s) at other than the principal frontage. The District may locate a conditional recycled water service connection(s) at other than the principal frontage if the conditions specified in Section 3 exist.

### **4. SYSTEM CAPACITY CHARGE**

An applicant for new or expanded service who is required by the District to use recycled water for nonpotable use(s) shall pay the applicable System Capacity Charge for Nonpotable Water Service before service is provided in accordance with applicable provisions of the Regulations Governing Water Service to Customers of the East Bay Municipal District and the Water System Schedules of Rates, Charges, and Fees.

### **5. OPERATION AND MAINTENANCE COSTS; RATES**

The customer is responsible for all costs of operating and maintaining the water service facilities for potable and recycled water on the customer's side of the water service meter(s) and for complying with all reporting and inspection requirements in accordance with District and State regulations, except where the District has determined that it would be in the best interests of the District to own, operate and maintain on-site treatment facilities on the customer's premises in which case the District may agree to accept responsibility for such costs. The customer shall pay the District's current nonpotable water rate for recycled water delivered to the customer. If recycled water is unavailable when construction is complete, the customer shall be liable to pay the District's current potable water rates until recycled water is available for delivery to the customer's premises.

## **I. ENFORCEMENT AND APPEALS**

### **1. ENFORCEMENT & REMEDIES**

The District may deny or hold in abeyance an application for new or expanded service if the applicant does not comply with this Regulation. The District may take enforcement action against an applicant or a District customer who does not comply with this Regulation, including any or all of the following actions:

- a. Denial or discontinuation of potable water service for nonpotable use.
- b. Installation of a flow restricting device on a customer's potable water connection, after a written warning to the customer and authorization by the General Manager or the Manager of the Customer and Community Services Department, to prevent the use of



# **REGULATIONS GOVERNING WATER SERVICE TO CUSTOMERS OF THE EAST BAY MUNICIPAL UTILITY DISTRICT**

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## **SECTION 30 RECYCLED WATER SERVICE**

potable water for nonpotable uses for which the District has determined that recycled water is available.

- c. Pursuit of an order from the State Water Resources Control Board requiring the water user to use recycled water.
  - d. Initiation of legal action to enforce this Regulation and require completion of required work.
  - e. Pursuit of any other legal or equitable remedy available to the District.
2. COSTS AND ATTORNEYS' FEES

The District may recover from any person or entity in violation of this Regulation the costs it incurs in connection with enforcing this Regulation, including staff time, and may seek attorneys' fees in any court action or proceeding.

### **3. APPEALS**

A water user aggrieved by a final decision made by the District in connection with this Regulation may seek relief by submitting a written appeal to the Manager of Water Supply Improvements within 30 days of the date of the decision. The appeal must describe (1) the decision at issue, (2) the specific relief requested, (3) a statement of facts which the appellant believes entitles the appellant to the requested relief, and (4) copies of all relevant supporting documentation or written evidence the appellant wishes the District to consider. The Manager of Water Supply Improvements or designee will consider the submitted material and any other relevant evidence and decide whether to (1) grant relief in whole or part or (2) affirm the original decision. The water user shall not be entitled to a hearing, except where a hearing is required by law. The decision of the Manager of Water Supply Improvements is final. This written appeal process is the exclusive means to seek further administrative review of a decision made in connection with this Regulation and failure to timely pursue this process shall be deemed a failure to exhaust administrative remedies.

# Section 31

## Water Efficiency Requirements

FY 2026



# **REGULATIONS GOVERNING WATER SERVICE TO CUSTOMERS OF THE EAST BAY MUNICIPAL UTILITY DISTRICT**

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## **SECTION 31 WATER EFFICIENCY REQUIREMENTS**

These regulations identify the types of water efficiency requirements for water service and the procedure for notification to Applicants that water efficiency measures are required. Applicants shall be subject to the most current and most water-efficient requirements in effect on the date the District receives payment for new or upgraded service, whether specified by EBMUD or other local, state, or federal regulations.

### **A. DETERMINATION OF FEASIBILITY OF WATER EFFICIENCY MEASURES**

The District will review applications for new standard services and determine the applicability of, and compliance with, water-efficiency requirements. Applicants for increased or expanded service shall be required to meet the water-efficiency requirements for all new water service facilities and may be required to retrofit existing water service facilities or uses to comply with all requirements. Applicant shall maintain design documents and construction and installation records and furnish a copy of said documents and records to the District upon request. The District may inspect the installation of indoor and outdoor water efficiency measures to verify that the items are installed and performing to the required water efficiency levels. The Applicant or their representative may be present during any District inspection.

### **B. WATER EFFICIENCY REQUIREMENTS FOR NEW DEVELOPMENT OR EXPANDED SERVICE**

Water service shall not be furnished to any Applicant for new or increased or expanded service, or for any change in customer classification (such as a change from industrial to commercial, residential to commercial, or the like) that includes new or retrofitted water using equipment, unless all the applicable water-efficiency measures hereinafter described in this Section 31 and required by applicable local, state and/or federal law have been reviewed and approved by the District. All the applicable and required water-efficiency measures shall be installed at Applicant's expense.

All applicants applying for new water service for multi-family residential structures or mixed-use residential and commercial structures shall comply with all applicable local and/or state submetering regulations. Submeters shall be equipped with registers with an encoded output to allow for electronic reading of submeters and shall be accessible for maintenance and visual needs. Applicants shall submit site and plumbing plans including location, accessibility, and specifications for submeters. See Sections 2 and 3 of EBMUD Regulations for additional requirements.

### **C. INDOOR WATER USE**

- a. All Applicants shall comply with these regulations and those required by applicable local, state and/or federal law including the California Green Building Standards Code (CAL Green).
- b. Toilets shall be high-efficiency or dual flush models rated and third party tested at a maximum flush volume of 1.28 gallons per flush (gpf), and be certified as passing a 350 gram or higher flush test as established by the U.S. Environmental Protection Agency



# **REGULATIONS GOVERNING WATER SERVICE TO CUSTOMERS OF THE EAST BAY MUNICIPAL UTILITY DISTRICT**

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## **SECTION 31 WATER EFFICIENCY REQUIREMENTS**

WaterSense Specification or other District-accepted third-party testing entity. Pressure-assisted type toilets shall be high-efficiency rated at a maximum 1.0 gpf. No flush or conversion devices of any other kind shall be accepted.

- c. Wall mounted urinals shall have a maximum rated flow of 0.125 gpf or less, or be zero water consumption urinals.
- d. Floor mounted urinals shall have a maximum rated flow of 0.5 gpf or less.
- e. Single showerheads shall have a maximum flow rate of 1.8 gallons per minute (gpm) at 80 pounds of pressure per square inch (psi).
- f. Multiple showerheads serving a single shower enclosure shall have a combined flow rate of not more than 1.8 gpm at 80 psi or shall be designed to allow only a single showerhead to be operated at one time.
- g. Residential lavatory faucets shall have aerators or laminar flow control devices (i.e., orifices) with a maximum rated flow of 1.2 gallons per minute or less.
- h. Public lavatory faucets shall have aerators or laminar flow control devices with a maximum rated flow of 0.5 gallons per minute or less.
- i. Wash fountains shall have a maximum flow rate of not more than 1.8 gpm per wash station.
- j. Metering faucets shall not deliver more than 0.20 gallons per cycle.
- k. Kitchen faucets shall have aerators or laminar flow control devices (i.e., orifices) with a maximum rated flow of 1.8 gallons per minute or less with optional temporary flow of 2.2 gpm.
- l. Clothes washing machines shall be front loading horizontal axis or top loading models with a water factor rating of 4.5 or less. A water factor rating of 4.5 means a maximum average water use of 4.5 gallons per cubic foot of laundry.
- m. Residential dishwashers rated as standard size (i.e. 307 kWh/year) shall use less than or equal to 5.0 gallons/cycle. Dishwashers rated as compact size (i.e., 222 kWh/year) shall use less than or equal to 3.5 gallons/cycle.
- n. Cooling towers not utilizing recycled water shall be equipped with recirculating systems and operate at a minimum of five (5) cycles of concentration. Newly constructed cooling towers shall be operated with conductivity controllers, as well as make up and blowdown meters.
- o. Food steamers in all food service facilities shall be boiler-less or self-contained models using  $\leq$  3.0 gallons per hour where applicable.



# REGULATIONS GOVERNING WATER SERVICE TO CUSTOMERS OF THE EAST BAY MUNICIPAL UTILITY DISTRICT

PAGE NUMBER: 31-C

## SECTION 31 WATER EFFICIENCY REQUIREMENTS

- p. Ice machines shall be air-cooled and use no more than 20 gallons of water per 100 pounds of ice and shall be equipped with a recirculating cooling unit or water-cooled on a closed loop system.
- q. Commercial refrigeration shall be air-cooled or if water-cooled, must have a closed looped system. No once through, single pass systems are permitted.
- r. Pre-Rinse dishwashing spray valves shall have a maximum rated flow of 1.28 gpm or less.
- s. Food disposers shall modulate the use of water to no more than 1 gpm when the disposer is not in use and shall automatically shut off after no more than 10 minutes of inactivity. Disposers shall use no more than 8 gpm of water.
- t. Commercial dishwashers or ware washing equipment shall be currently labeled an EnergyStar rated water efficient model meeting the maximum water consumption limits as specified in the table below:

| Machine Type                | High Temp Requirements                | Low Temp Requirements                 |
|-----------------------------|---------------------------------------|---------------------------------------|
| Under Counter               | $\leq 0.86$ GPR                       | $\leq 1.19$ GPR                       |
| Stationary Single Tank Door | $\leq 0.89$ GPR                       | $\leq 1.18$ GPR                       |
| Pot, Pan, and Utensil       | $\leq 0.58$ GPSF                      | $\leq 0.58$ GPSF                      |
| Single Tank Conveyor        | $\leq 0.70$ GPR                       | $\leq 0.79$ GPR                       |
| Multiple Tank Conveyor      | $\leq 0.54$ GPR                       | $\leq 0.54$ GPR                       |
| Single Tank Flight Type     | $\leq \text{GPH} \leq 2.975x + 55.00$ | $\leq \text{GPH} \leq 2.975x + 55.00$ |
| Multiple Tank Flight Type   | $\leq \text{GPH} \leq 4.96x + 17.00$  | $\leq \text{GPH} \leq 4.96x + 17.00$  |

\*GPR (gallons per rack); GPSF (gallons per square foot); GPH (gallons per hour)

- u. Conveyor and in-bay vehicle wash facilities shall reuse a minimum of 60% of water from previous vehicle rinses in subsequent washes.
- v. Self-service vehicle wash facilities shall use spray nozzles with a flow rate of 3.0 gpm or less.
- w. Swimming pools and spas shall be covered when not in use, unless public health and safety concerns exist.

### D. OUTDOOR WATER USE

- a. All Applicants shall comply with all District water service regulations and those required by applicable local, state and/or federal law including the Model Water Efficient Landscape Ordinance (MWELo).





# **REGULATIONS GOVERNING WATER SERVICE TO CUSTOMERS OF THE EAST BAY MUNICIPAL UTILITY DISTRICT**

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## **SECTION 31 WATER EFFICIENCY REQUIREMENTS**

- b. Applicants shall submit, at a minimum, a scaled site plan that identifies the property address, parcel boundaries, building footprints, hardscape, softscape, meter location, and location of each hose bib. If an application for service is submitted without a detailed landscape plan for the entire premises, the District will estimate the new irrigable landscape area to determine the potential irrigation demand (default demand) for inclusion in the total domestic water demand calculation. Projects subject to MWEL0 shall also provide a compliant landscape documentation package as required by the ordinance.
- c. All premises with 500 square feet or more of new irrigable landscape area shall install a modular weather-based smart controller with rain or soil moisture sensor, an irrigation connection with a manual shutoff valve, a backflow prevention device, a pressure regulator where pressure exceeds the operating range of system components, and sleeves allowing irrigation to extend to all landscape areas.
- d. All non-residential premises with 500 square feet or more of new irrigable landscape shall also install a flow sensor with master shutoff valve.
- e. All residential premises with more than 5,000 square feet of new irrigable landscape area shall also install a flow sensor with master shutoff valve.
- f. As provided in Sections 1 and 3 of the Regulations, unless determined by the District that a District-dedicated irrigation meter is required, a private dedicated irrigation meter shall be required for residential premises with an irrigable landscape area of 5,000 square feet or more.
- g. As provided in Sections 1 and 3 of the Regulations, unless determined by the District that a District-dedicated irrigation meter is required, a private dedicated irrigation meter shall be required for non-residential premises with an irrigable landscape area of more than 1,000 square feet but less than 5,000 square feet.
- h. As provided in Sections 1 and 3 of the Regulations, a District dedicated irrigation meter shall be required for non-residential premises with an irrigable landscape area of 5,000 square feet or more.

### **E. NONCOMPLIANCE**

The District will review applications for new and expanded services for water efficiency features as described in this Section. If an application does not meet the water efficiency requirements, the District may require the Applicant to resubmit a revised water service application and water efficiency plan at the Applicant's expense. The District may withhold water meter(s) and account activation until the District determines the application complies with the requirements of this Section.



# **EXHIBIT B**

Wastewater Department

Schedule C

Industrial Permit Fees

FY 2026



## SCHEDULE C – WASTEWATER DEPARTMENT INDUSTRIAL PERMIT FEES

EFFECTIVE 07/01/2025

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The District shall charge the following annual fees for each permit type when a permit is issued or renewed.

| PERMIT TYPE                   | ANNUAL FEE |
|-------------------------------|------------|
| Wastewater Discharge Permit   | \$3,540    |
| Estimation Permit             | \$1,380    |
| Limited Term Discharge Permit | \$3,250    |

Wastewater Discharge Permit – A written document that contains general and specific requirements governing onsite management, pretreatment, and discharge of wastewater to the community sewer. A Wastewater Discharge Permit is issued to a significant industrial user; which means an industrial user that warrants a control mechanism as determined by the District, or to a discharger that the District determines requires a permit to establish disposal charges based on flow and strength. The Wastewater Discharge Permit fee applies to Groundwater Permits.

Estimation Permit – A permit issued to a discharger that demonstrates at least 20 percent of its metered water consumption is not discharged to the community sewer. The volume diverted will not be subject to the wastewater disposal charges.

Limited Term Discharge Permit – Permits for temporary discharges of unmetered water during a specified term.

Groundwater Permit – A permit issued for discharge of groundwater on an ongoing basis.

# Wastewater Department

## Schedule D

### Other Fees

FY 2026



## SCHEDULE D – WASTEWATER DEPARTMENT OTHER FEES

EFFECTIVE 07/01/2025

| TYPE   | RATE                                |
|--|-------------------------------------|
| Inspection and Monitoring Fees                         | \$1,980                             |
| Violation Follow-Up Fees                               |                                     |
| Stage 1  | \$870                               |
| Stage 2  | \$1,990 + Testing Fees <sup>1</sup> |
| Stage 3  | \$3,920+ Testing Fees <sup>1</sup>  |
| Private Sewer Lateral Compliance Fees                  |                                     |
| Compliance Certificate <sup>2</sup>                    | \$390                               |
| Time Extension Certificate                             | \$130                               |
| Inspection Reschedule                                  | \$120                               |
| Extra Lateral or Additional Verification Test          | \$130 per lateral                   |
| Off-Hours Verification <sup>3</sup>                    | \$280 for 1.5 hours onsite          |
| Specific Appointment Time <sup>4</sup>                 | \$350 for 1.5 hours onsite          |
| HOA/Greater than 1,000 Oversight Fee                   | \$540                               |
| PSL Violation Follow-Up – Initial Fee                  | \$560                               |
| PSL Violation Follow-Up – Continuing Noncompliance Fee | \$140                               |
| Compliance Agreement                                   | \$340                               |

<sup>1</sup> Violation follow-up fees do not include required testing. Testing fees will be charged in accordance with Schedule E Wastewater Department Testing Fees.

<sup>2</sup> Compliance Certificate Fee may be charged for performance of a Verification Test that results in issuance of a new Compliance Certificate, annotation of an existing Compliance Certificate, or issuance of one or more new Compliance Certificates due to a parcel split or merger

<sup>3</sup> The fee for off-hours verification is charged once scheduled and will not be refunded if cancelled or rescheduled.

<sup>4</sup> Two Inspection Reschedule fees will be charged for Specific Appointment time cancellations.

Wastewater Department

Schedule E

Testing Fees

FY 2026



## SCHEDULE E – WASTEWATER DEPARTMENT TESTING FEES

EFFECTIVE 07/01/2025

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| LABORATORY TEST   | FEE   | METHOD*    |
|---|-------|------------|
| Acrolein & Acrylonitrile  | \$176 | EPA 624.1  |
| Chemical Oxygen Demand  | \$70  | SM 5220 D  |
| Cyanide   | \$147 | SM 4500 CN |
| Metals (Arsenic, Cadmium, Chromium, Copper, Iron, Lead, Nickel, Silver, and Zinc) | \$261 | EPA 200.7  |
| Metals (Mercury)  | \$164 | EPA 245.1  |
| Oil & Grease: SGT-HEM   | \$230 | EPA 1664B  |
| Organochlorine PCB & Pesticides   | \$62  | EPA 608    |
| pH Field Analysis   | \$32  |            |
| Phenols: Total  | \$161 | EPA 420.4  |
| PCB Congeners   | \$895 | EPA 1668C  |
| Semi-volatile Organics  | \$584 | EPA 625.1  |
| Total Suspended Solids  | \$47  | SM 2540 D  |
| Volatile Organics   | \$255 | EPA 624.1  |

\* Or equivalent certified method

Wastewater Department

Schedule F

Resource Recovery  
Fees and Prices

FY 2026





## SCHEDULE F – WASTEWATER DEPARTMENT RESOURCE RECOVERY FEES AND PRICES

EFFECTIVE 07/01/2025

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Payment collection for all Resource Recovery accounts shall follow the payment collection provisions contained in Section 13, Payment of Bills in the Regulations Governing Water Service to the Customers of EBMUD and Items C and K, Returned Payment Charge and Late Payment Penalty and Interest, of Schedule C of the Water System Rates and Charges.

| ADMINISTRATIVE FEES          | PRICE  |
|------------------------------|--|
| Account Fee                  | \$400 (per year)                             |
| Expedited Permit Fee         | \$2,500 (per request)                        |
| Categorical Waste Permit Fee | Variable (max \$5,000 per year) <sup>1</sup> |
| Unusual Waste Evaluation Fee | Variable <sup>2</sup>                        |

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<sup>1</sup> This fee is charged annually for categorical wastes that require additional monitoring, record-keeping, sampling, regulatory reporting, inspections, and/or technical analyses for compliance with Part 403 of the Code of Federal Regulations. When a categorical waste is submitted for review, the District will determine the annual fee based on the District's reasonable estimated cost for the work including all analyses, engineering, materials, equipment, consumables, labor, and related expenses incidental to the permit administration. The District will notify the customer of the fee prior to permit issuance or renewal.

<sup>2</sup> For unusual waste reviews that require additional level of analysis and evaluation, the District will determine the reasonable estimated fee for the work including all analyses, engineering, materials, equipment, consumables, labor, and related expenses incidental to the waste evaluation. The District will notify the customer of the fee prior to initiating the waste evaluation.

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## SCHEDULE F – WASTEWATER DEPARTMENT RESOURCE RECOVERY FEES AND PRICES

EFFECTIVE 07/01/2025

| MATERIAL TYPE                               | PRICE <sup>3</sup>  |
|---|---|
| Septage                                     | Up to \$0.12/gal  |
| Fats, Oil and Grease <sup>4</sup>           | Up to \$0.16/gal  |
| Process Water                               | Up to \$0.10/gal  |
| Brine                                       | <u>Variable with Total Dissolved Solid (TDS)</u><br>Up to \$0.10/gal ≤ 50,000 mg/l TDS<br>Up to \$0.11/gal 50,001 – 100,000 mg/l TDS<br>Up to \$0.13/gal > 100,000 mg/l TDS |
| Sludge                                      | <u>Variable with % Total Solids (TS)</u><br>Up to \$0.11/gal up to 3% TS<br>Plus Up to \$0.01/gal per %TS for<br>TS between 3% to 20%                                       |
| Clean Liquid Food Waste Slurry <sup>5</sup> | <u>Variable with % Total Solids (TS)</u><br>Up to \$0.07/gal up to 3% TS<br>Plus Up to \$0.005/gal<br>per % TS for TS between 3% to 20%                                     |
| Liquid Organic Material <sup>4</sup>        | Up to \$0.11/gal  |
| Protein Material <sup>4</sup>               | Up to \$0.17/gal  |
| Solid Organic Material                      | \$30/ton – \$120/ton <sup>6</sup>   |

<sup>3</sup> Current prices shall be available at <https://www.ebmud.com/wastewater/commercial-waste/trucked-waste>. Prices may vary consistent with the cost to treat up the listed amount. Additional charges may apply for special accommodations, such as off-hours deliveries that require additional staff support, special equipment requirements to receive or process material, special treatment requirements, or additional regulatory compliance costs. These charges shall be calculated based on estimated costs of District, labor, material, equipment, consumables, and outside agency fees. The District will notify the customer and provide an estimate prior to providing special accommodations.

<sup>4</sup> A peak period charge of an additional \$0.01/gal above the current price will apply over the weekday peak period when plant processes are heavily loaded with trucked waste. The District will post the peak period prices on its website and notify all customers of any changes prior to taking effect.

<sup>5</sup> Clean liquid food waste slurry must behave as a liquid and contain minimal amounts of contamination. Food waste slurries that require additional contamination removal do not qualify for this price.

<sup>6</sup> Unit cost prices are based on treatment costs (residual solids dewatering and disposal), gas production, volumes and other costs or benefits to the District. As part of the permit application process, the District will notify the customer of the unit prices to accept Solid Organic Material.

Wastewater Department

Schedule G

Capacity Fees

FY 2026



## SCHEDULE G – WASTEWATER DEPARTMENT CAPACITY FEES

EFFECTIVE 07/01/2025

### A. Wastewater Capacity Fee for Non-Permit Applicants

For applicants who are not required to obtain a Wastewater Discharge Permit the Wastewater Capacity Fee (WCF) is based on the applicant's estimated annual wastewater discharge flow and strength.

For an increase or change in water use caused by the creation of an accessory dwelling or junior accessory dwelling on a premises, WCF will be imposed only as authorized by Chapter 13 of Division 1 of Title 7 of the Government Code.

**1. Single-Family Residential WCF** <sup>1,2</sup> \$3,125

**2. Multi-Family Residential WCF** <sup>2, 3</sup>

| Residential                         | WCF (\$ Per Dwelling) |
|-------------------------------------|-----------------------|
| For dwellings over 500 sq. ft.      | \$2,192               |
| For dwellings 500 sq. ft. and under | \$1,712               |

**3. Non-Residential WCF for meters 1-1/2 inches and smaller (dollars per connection)**<sup>2</sup>

For service connections with meters 1-1/2 inches and smaller, the District reserves the right to request specific water use information from the applicant to determine applicant's estimated annual wastewater discharge flow and strength. The District reserves the right to determine the appropriate meter size and wastewater strength category to meet the applicant's estimated annual wastewater discharge flow and strength and assess the WCF using this Section (A)(3). If the District determines that the applicant's estimated annual wastewater discharge flow exceeds 1,390 gallons per day (gpd) or that a meter larger than 1-1/2 inches is required to meet the applicant's needs, this Section (A)(3) no longer applies. For estimated annual wastewater discharge flows that exceed 1,390 gpd and meters larger than 1-1/2 inches, Section (A)(4) shall be used to determine the WCF based on the applicant's estimated annual wastewater discharge flow and strength category. The District's decision shall be final.

| Strength Category | Meter Size |              |            |
|-------------------|------------|--------------|------------|
|                   | 5/8 inch   | 3/4 & 1 inch | 1-1/2 inch |
| Low               | \$4,647    | \$12,215     | \$23,796   |
| Medium            | 9,404      | 24,722       | 48,161     |
| High              | 18,413     | 48,405       | 94,298     |



## SCHEDULE G – WASTEWATER DEPARTMENT CAPACITY FEES

EFFECTIVE 07/01/2025

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### 4. Non-Residential (meter size over 1-1/2 inch) <sup>2, 4, 5</sup>

The WCF for service connections with meters larger than 1-1/2 inch shall be determined on a case-by-case basis by the District based on water use information furnished by the applicant and applying the per unit (1 unit = 748 gallons) WCF charge to the annual wastewater discharge flow calculated by the District for the appropriate strength category for the service connection.

| Strength Category | \$/unit/year |
|-------------------|--------------|
| Low               | \$35.20      |
| Medium            | 71.24        |
| High              | 139.49       |

In no instance will the WCF for a meter larger than 1-1/2 inches be less than the 1-1/2 inch price for a given strength category.



## SCHEDULE G – WASTEWATER DEPARTMENT CAPACITY FEES

EFFECTIVE 07/01/2025

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If the District has determined based on the water use information furnished that a meter larger than 1-1/2 inches is appropriate or if the estimated annual wastewater discharge exceeds 1,390 gpd, the WCF calculated from the District's estimate of annual wastewater discharge flow shall apply irrespective of the arrangement of the water metering or meter size at the premises.

### **Business Classification Code (BCC) Category: Low Strength**

| Code | Description   |
|------|---|
| 4500 | Air Transportation  |
| 7542 | Automobile Washing and Polishing  |
| 7215 | Coin Operated Laundromats   |
| 3200 | Earthenware Manufacturing   |
| 8060 | Hospitals   |
| 7000 | Hotels, Motels with Food Service  |
| 7300 | Laboratories  |
| 3470 | Metal Coating   |
| 3400 | Metal Products Fabricating  |
| 3300 | Primary Metals Manufacturing  |
| 8200 | Schools   |
| 2820 | Synthetic Material Manufacturing  |
|      | All Other Business Classification Codes<br>(includes dischargers of only segregated<br>domestic wastes from sanitary<br>conveniences) |

### **BCC Category: Medium Strength**

| Code | Description                       |
|------|-----------------------------------|
| 2080 | Beverage Manufacturing & Bottling |
| 2840 | Cleaning and Sanitation Products  |
| 7210 | Commercial Laundries              |
| 2830 | Drug Manufacturing                |
| 5812 | Food Service Establishments       |
| 2030 | Fruit and Vegetable Canning       |
| 2040 | Grain Mills                       |
| 2893 | Ink and Pigment Manufacturing     |
| 2810 | Inorganic Chemicals Manufacturing |
| 2600 | Pulp and Paper Products           |
| 2011 | Slaughterhouses                   |



## SCHEDULE G – WASTEWATER DEPARTMENT CAPACITY FEES

EFFECTIVE 07/01/2025

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### BCC Category: High Strength

| Code | Description                   |
|------|-------------------------------|
| 2050 | Bakeries (including Pastries) |
| 2020 | Dairy Product Processing      |
| 3410 | Drum and Barrel Manufacturing |
| 7218 | Industrial Laundries          |
| 3110 | Leather Tanning and Finishing |
| 2010 | Meat Products                 |
| 2850 | Paint Manufacturing           |
| 2077 | Rendering Tallow              |
| 2090 | Specialty Foods Manufacturing |
| 2060 | Sugar Processing              |

### B. WCF for Permit Applicants

For applicants who are required to obtain a Wastewater Discharge Permit, the WCF is based on the applicant's estimated annual wastewater discharge flow and strength concentrations listed on the applicant's discharge permit at the time of application.

Permit Accounts <sup>2, 4, 5</sup>

|   |         |
|---|---------|
| Flow (\$/unit/year)                       | \$15.73 |
| Chemical Oxygen Demand (COD) (\$/lb/year) | 1.65    |
| Total Suspended Solids (TSS) (\$/lb/year) | 7.56    |

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<sup>1</sup>Single-Family is BCC 8800 Single-Family.

<sup>2</sup>A credit may be provided for existing services. Where a new service will replace one or more existing or prior services to a premises that previously paid a WFC, a credit will be applied to the new WCF. For existing meters 1-1/2 inches and smaller, the value of the WCF credit will be determined using the flow and strength assumed in the original WCF and based on the current WCF schedule (for flow and strength), or based on the existing strength and meter size if the information from the original WCF is not available. For existing meters over 1-1/2 inches, the value of the WCF credit will be determined using the flow and strength assumed in the original WCF and based on the current WCF schedule (for flow and strength). If the flow and strength information is not available from the original WCF, the strength and flow from the most recent 10 years of usage and strength will be used to determine the WCF credit, provided that this value is not less than the value indicated in the schedule for the 1-1/2 inch meter.

For premises on which no WCF was paid, customers will be granted a credit for the existing use. For existing meters 1-1/2 inches and smaller, the WCF credit will be calculated based on the current WCF schedule for the existing meter size and strength. For existing meters over 1-1/2 inches, the WCF credit will be calculated based on the most recent 10 years of usage and strength for the existing meter, provided that this value is not less than the value indicated in the schedule for the 1-1/2 inch meter.

If the account is subject to an Estimation Permit, the usage credit will consider diversion. The WCF credit cannot be applied to a dedicated irrigation meter, standby meter, fire service meter, or in the case of a combination standard and fire service meter, the portion of the meter oversized for the private fire protection system.

<sup>3</sup>Multi-family includes BCC 6513 Apartment Buildings and 6514 Multi-Family.



## SCHEDULE G – WASTEWATER DEPARTMENT CAPACITY FEES

EFFECTIVE 07/01/2025

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<sup>4</sup>WCF is based on the anticipated annual flow contributions and the average wastewater strength measured or assigned for each classification of customer. The District may review the actual flow and strength within 24 months, once the business is fully established to verify the estimated demand for wastewater capacity. The review may result in a determination of additional capacity fees if the actual flow and strength exceeds the original estimate.

<sup>5</sup>Total fee is a summation of the unit rates for flow, COD, and TSS applied to the permit conditions at the time of application.



Wastewater Department

Schedule H

Wastewater Interceptor Connection  
Review, Coordination and Inspection Fees

FY 2026



**SCHEDULE H – WASTEWATER DEPARTMENT  
WASTEWATER INTERCEPTOR CONNECTION REVIEW,  
COORDINATION, AND INSPECTION FEE**

EFFECTIVE 07/01/2025

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| TYPE  | RATE     |
|---|----------|
| Plan Review, Project Coordination and Construction Inspection | \$13,600 |
| Each Additional Connection <sup>1</sup>                       | \$11,100 |

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<sup>1</sup> For additional connections submitted and constructed under the same project with the same design and pipe sizes.

# **EXHIBIT C**

Public Records Act Fee Schedule and  
District Publications Fees

FY 2026



## PUBLIC RECORDS ACT FEE SCHEDULE

EFFECTIVE 07/01/2025

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### **INTRODUCTION**

The following fee schedule has been established by the District to cover the costs for duplicating District documents, drawings, maps, recordings, and other records, as required by the Public Records Act.

The District offers access to its records upon receipt of a request that reasonably describes an identifiable record. Any questions or requests concerning District documents should be addressed to the Secretary of the District, East Bay Municipal Utility District, P.O. Box 24055, Oakland, California 94623-1055, emailed to [SecOffice@ebmud.com](mailto:SecOffice@ebmud.com), or by calling (510) 287-0404. Requests can also be sent via the portal at <https://www.ebmud.com/about-us/public-records>.

### **CHARGES**

Pursuant to the Public Records Act, the District may recover the “direct costs of duplication” for disclosable public records, unless a different charge is provided by statute. The direct cost of duplication generally covers two types of expenses – materials & equipment costs and labor costs.

- Materials & Equipment costs generally include the capital cost of the equipment, the maintenance contract, paper supplies, and other necessary expenses that must be incurred to make the equipment operational.
- Labor costs ordinarily include the pro rata salary of the clerical or technical employee operating the equipment.

The total cost for providing copies is a combination of materials, labor for actual duplication time, equipment usage, and postage, if applicable. The direct cost of duplication may vary depending on the size and type of media requested and the kind of reproduction equipment required.

Photocopies of non-District materials are charged at the same rate as District materials.

Prices quoted in this fee schedule are subject to change. An estimate of cost will be provided upon request.

Any records sent outside for duplication will be billed as the actual cost of duplication by the outside vendor.

### **PAYMENT**

For requests estimated to cost over \$100 in duplication or query and compilation fees, a deposit in the amount of the estimated fee will be required before duplication.

For all requests, payment in advance is required before release of records. Acceptable methods of payment include cash or check (payable to East Bay Municipal Utility District). The District does not currently accept electronic payments.



## PUBLIC RECORDS ACT FEE SCHEDULE

EFFECTIVE 07/01/2025

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### **INSPECTION/DELIVERY/PICK UP**

The requestor is entitled to inspect records and/or obtain copies of records during normal business hours (8:00 a.m. to 4:30 p.m., Monday through Friday).

If the requestor wishes records to be delivered, copies will be sent first class mail unless the requestor makes other arrangements for pick up or delivery with the Secretary's Office. Postage will be charged for copies mailed to the requestor.

Federal Express service is available if the requestor supplies a Federal Express account number.

### **LEGAL COMPLIANCE OBLIGATIONS**

Responsibility for adherence to copyright law rests with the individual requesting copies.

### **CATEGORIES**

This fee schedule covers the following categories of document types or formats:

- I. Paper Based Records
  - A. General Business Documents & Engineering Drawings
  - B. Printed Maps
  - C. Bid Documents for Publicly Bid Projects
- II. Electronically Stored or Generated Records
  - A. Records that already exist
  - B. Records that do not already exist
  - C. Compact Disks (CDs)
  - D. Digital Versatile Disks (DVDs)

Fees for document types/requests not covered herein will be provided upon request.



## PUBLIC RECORDS ACT FEE SCHEDULE

EFFECTIVE 07/01/2025

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### I. PAPER BASED RECORDS

#### A. GENERAL BUSINESS DOCUMENTS & ENGINEERING DRAWINGS

The fees charged for reproducing general business documents and engineering drawings, and printed maps photocopied onto regular paper in the sizes indicated below are based on the actual cost of duplication by the District.

**Fee = Labor Cost** (\$0.86 per minute duplicating time)  
**+ Materials & Equipment Cost** (e.g., cost per sheet or media)  
**+ Postage** (if applicable)

- **Labor Costs:** Labor costs for duplication time is charged at the rate of \$0.86 per minute. Labor costs are based on the labor rate of a clerical employee and is charged only for the actual time spent on duplication.
- **Materials & Equipment:** The duplicating cost per sheet or media type is based on the actual cost of materials and equipment needed to reproduce documents. As detailed below, fees will vary depending on the type and size of documents and the method used for duplication.

##### 1) Regular copies

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|            |             |
|------------|-------------|
| 8-1/2 x 11 | \$0.09/page |
| 11 x 17    | 0.17/page   |

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##### 2) Color copies

Requests for color copies may be sent to an outside vendor and charged back to the requestor.



## PUBLIC RECORDS ACT FEE SCHEDULE

EFFECTIVE 07/01/2025

### 4) Engineering drawings

| Size       | Bond   | Vellum |
|------------|--------|--------|
| 8-1/2 x 11 | \$0.09 | N/A    |
| 11 x 17    | 0.17   | N/A    |
| 17 width   | 0.33   | N/A    |
| 22 width   | 0.66   | \$1.77 |
| 28 x 38    | 0.96   | N/A    |

For sizes larger than those indicated in this chart, Engineering Records will determine the cost.

Drawings having a width greater than 36 inches cannot be reproduced on District equipment and must be sent out for commercial copying. These charges will be billed to the requestor.

### B. PRINTED MAPS

The fees in this section apply to the duplication of existing hard copy B-maps. The fee listed is the cost per map for duplication by the District's print shop. All other pre-printed map sizes require special formatting and the cost for duplication by an outside vendor will be determined upon request.

|   |               |
|---|---------------|
| <b>B-maps</b> 250' scale (11 x 17) includes Map View prints | \$0.99/map    |
| <b>Map Book Covers</b>                                      | \$38.64/cover |





## PUBLIC RECORDS ACT FEE SCHEDULE

EFFECTIVE 07/01/2025

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### C. BID DOCUMENTS FOR PUBLICLY BID PROJECTS

Copies of plans for publicly bid construction projects are available through the District's Specifications and Engineering Support Section at a per set cost established as each project is issued for bid. The fee will be based on the cost for duplication at the District's print shop or an outside copy service and postage, if applicable.

Pre-paid documents will be sent first class mail unless the requestor makes other arrangements for document pickup or delivery with the Specifications Clerk. Federal Express service is available if the requestor supplies a Federal Express account number. The Specifications and Engineering Support Section can be reached at [specs@ebmud.com](mailto:specs@ebmud.com) or (510) 287-1040.

Contract documents (specifications, plans, and addenda) are also available for viewing and downloading from EBMUD's public website: [www.ebmud.com](http://www.ebmud.com) via the "Business Center" link.

Copies of historic contract documents can be provided in accordance with the provisions of item 1: General Business Documents.

## II. ELECTRONICALLY STORED OR GENERATED DATA

The fees in this section apply to records stored electronically.

In general, there are two types of electronic records: (a) records that already exist on a system and merely require printing; and (b) records that do not currently exist and require data compilation, extraction, or programming to produce. A different fee rate applies to each of these types of records.

### A. RECORDS THAT ALREADY EXIST

When a requestor seeks a record that already exists on a system (i.e., a record merely needs to be retrieved and printed, and does not require data compilation, extraction, or programming to produce), the following fee applies:

**Fee = Labor Cost** (\$0.86 per minute duplicating time)  
+ **Materials & Equipment Cost**  
+ **Postage** (if applicable)

Materials & Equipment costs vary with the types/formats of records requested as specified below:



## PUBLIC RECORDS ACT FEE SCHEDULE

EFFECTIVE 07/01/2025

### 1) Digital copies – PDF Files (including B-maps)

| Cost of Media       |        |
|---------------------|--------|
| CD                  | \$3.05 |
| DVD                 | 6.35   |
| Electronic Transfer | N/C    |

### 2) Maps on Demand

| Size       | Bond   | Vellum* | Bond Color |
|------------|--------|---------|------------|
| 8-1/2 x 11 | \$0.10 | \$0.19  | \$0.38     |
| 11 x 17    | 0.19   | 0.36    | 0.73       |
| 17 x 22    | 0.33   | 0.60    | 2.05       |
| 22 x 34    | 0.49   | 0.84    | 3.38       |
| 28 x 38    | 0.66   | 1.10    | 5.02       |

\*Costs reflect color plots produced only from existing files.

### 3) Other Electronic Records

| Description             | Charge per Unit |
|-------------------------|-----------------|
| 8-1/2 x 11 (PC Printer) | \$0.09/page     |
| CD                      | 3.05 each       |
| DVD                     | 6.35 each       |
| Electronic Transfer     | N/C             |



## PUBLIC RECORDS ACT FEE SCHEDULE

EFFECTIVE 07/01/2025

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### B. RECORDS THAT DO NOT ALREADY EXIST

When a requestor seeks records that do not currently exist on a system and require data compilation, extraction, or programming to produce, the requestor shall pay the cost to construct a new record, and the cost of programming and computer services necessary to produce a copy of the record. However, the District is under no obligation to provide records that do not already exist. Accordingly, the applicable fee is:

**Fee = Labor Cost** (\$1.41 per minute production time)  
+ **Materials & Equipment Cost** (rates specified in Section II.A)  
+ **Postage** (if applicable)

Labor cost is based on the "average technical labor" rate and is charged only for the actual time spent producing the record.

This fee also applies when the request requires producing a record outside of the regularly scheduled interval.

### C. COMPACT DISCS (CDs)

**Fee = Labor Cost** (\$0.86 per minute duplicating time)  
**Cost per disc** (CD-R Disc, Write-Once, 700 MB, 80 Minute, 52X = \$3.05/disc)  
+ **Postage** (if applicable)

### D. DIGITAL VERSATILE DISCS (DVDs)

**Fee = Labor Cost** (\$0.86 per minute duplicating time)  
**Cost per disc** (DVD+R, 16X, Single Sided, 4.7 GB/120 Minutes = \$6.35/disc)  
+ **Postage** (if applicable)

### E. DIGITAL VERSATILE DISCS (DVDs)

Recordings of regular meetings of the Board of Directors are available on [www.ebmud.com](http://www.ebmud.com). Copies of archived recordings of regular meetings of the Board of Directors are available upon request and can be provided on compact disc or digital versatile disc. Recordings after May 2019 are available for review on EBMUD's YouTube channel.

**NOTE** – The District no longer uses cassette tapes.



## PUBLIC RECORDS ACT FEE SCHEDULE

EFFECTIVE 07/01/2025

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### DISTRICT PUBLICATION FEES

**Fee = Cost of publication** (see below)  
**+ Sales tax**  
**+ Postage** (if applicable)

|   |        |
|---|--------|
| Municipal Utility District Act (printed and comb-bound) | \$5.15 |
| Electronic Transfer                                     | N/C    |

|                  |         |
|------------------|---------|
| Its Name Was MUD | \$18.00 |
|------------------|---------|

Plants and Landscapes for Summer Dry Climates of the San Francisco Bay Region

|                     |              |
|---------------------|--------------|
| Hardcover           | \$49.95 each |
| For EBMUD customers | \$29.95 each |

|                       |                    |
|-----------------------|--------------------|
| Vendors and Retailers | up to 50% discount |
|-----------------------|--------------------|

# Real Property Use Application Fees

FY 2026



## REAL PROPERTY USE APPLICATION FEES

EFFECTIVE 07/01/2025

| TYPE OF USE   | APPLICATION FEE                          |
|---|--|
| <b>Fee Title</b> ( <i>Outright purchase of District property</i> )  |  |
| Properties for Sale   | \$2,917                                  |
| Unsolicited   | 17,181                                   |
| <b>Easement</b> ( <i>Rights for permanent use of District property, such as access, utilities, etc.</i> )   |  |
| Utility Type  | 2,917                                    |
| Other   | 8,002                                    |
| <b>Quitclaim</b> ( <i>Removal of District's right, title and interest to property</i> )   |  |
| Pipe Abandonment  | 1,463                                    |
| Other   | 3,268                                    |
| <b>Revocable License</b> ( <i>Permission to use District property for periods exceeding one year, subject to revocation. For such uses as utility road crossings of aqueduct properties</i> )             | 2,340                                    |
| <b>Lease</b> ( <i>The right to occupy and use District land for a specified time period</i> )   | 2,918                                    |
| <b>Telecommunication Lease</b> ( <i>Long-term lease for PCS, cellular and/or radio uses</i> )   | 4,938                                    |
| <b>Information-Only</b> ( <i>Request for information requiring research of District records. Information-only applicants will be charged a fee only if the estimated research time exceeds one hour</i> ) | 186/hour                                 |
| <b>Processing and Review of Watershed Land Use Proposals</b> ( <i>Request for District to perform a formal evaluation of watershed land use proposal</i> )  | 186/hour (plus all other District costs) |
| <b>Property Entry Permits, Rights of Entry Permits</b> ( <i>Permission for temporary access onto District</i> )   | 438                                      |
| <b>Limited Land Use Permit</b> ( <i>Allows landscaping, gardening or other minor surface use of District property, subject to annual renewal</i> )  | 160                                      |
| <b>Temporary Construction Easement/Encroachment Permit</b> ( <i>Permission for temporary access onto District</i> )   |  |
| Open Land, No District Facilities   | 877                                      |
| With District Facilities  | 3,104                                    |
| <b>Survey Costs if needed</b> ( <i>Application use fees listed above do not include survey costs if needed</i> )  | 203/hour                                 |
| <b>Long Term Encroachment Permit</b>  | 29,488                                   |

Recreation Use Fees

Calendar Year 2026



## RECREATION USE FEES FOR 2026 January – December 2026<sup>1</sup> EFFECTIVE 01/01/2026

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The following fees apply to use of the District's recreation facilities at Camanche Hills Hunting Preserve, Camanche Reservoir, Lafayette Reservoir, Pardee Reservoir, San Pablo Reservoir and on the District's Watershed Trail System.

All other (not included in this schedule) charges and fees for merchandise and services provided to the public in connection with the public uses of the recreation areas and facilities thereat shall be determined by the concessionaire or by the District and shall be reasonable and consistent with charges for similar merchandise and services at similar locations.

General Discount Program – Discounts from fees listed may be offered to attract new customers and/or to improve revenues. General discounts will be applied for specified time frames and apply fairly and uniformly. General discounts must be approved by the Director of Water and Natural Resources Department in advance.

District employees, retirees and immediate family receive free vehicle entry and boat launch, and a camping discount equal to the car entry fee (limit one per day).

Volunteer Discount Program – Free one-year Trail Use Permit and 50% discount on vehicle entry/parking and boat launch for those who contribute an annual minimum of 20 hours of volunteer work while participating in a District Volunteer Program.

Distinguished Veteran Discount Program – Holders of the California State Parks Distinguished Veteran Pass receive free day use and boat launch at all District recreation areas.

Fishing Access Permits are required for persons 16 years of age or older. Up to four children 15 years and under and accompanied by a person who possesses a valid CA fishing license and daily fishing access permit, may fish under that fishing access permit subject to the daily possession limit of the permit holder. Every accompanied child, over the allowed number of four, must have individual fishing access permits. Each child not accompanied by a fishing access permit holding adult must obtain his/her own fishing access permit.

No Fishing Access Permit is required on the two annual California Department of Fish and Wildlife Free Fishing Days.

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<sup>1</sup>Fee years are by calendar year for all locations except the Camanche Hills Hunting Preserve where fees are implemented earlier for the hunting year October 1 - September 30.





**RECREATION USE FEES FOR 2026**  
**January – December 2026**  
EFFECTIVE 01/01/2026

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**CAMANCHE HILLS HUNTING PRESERVE<sup>1</sup>**

**PRESERVE LICENSE:**

|                                |            |
|--------------------------------|------------|
| Initiation Fee (Family)        | \$3,495.00 |
| Initiation Fee (Corporate)     | 3,495.00   |
| Annual Maintenance (Family)    | 300.00     |
| Annual Maintenance (Corporate) | 600.00     |

|  |        |
|--|--------|
| <b>LICENSED GUIDE GOOSE HUNT (PER PERSON/HUNT)</b> | 200.00 |
|--|--------|

**ARCHERY RANGE AND COURSE**

|                             |       |
|-----------------------------|-------|
| 7 Station 3-D Target Course |       |
| Per person                  | 12.00 |

**FISHING ACCESS TO RABBIT CREEK  
ARM OF CAMANCHE LAKE AND FARM  
PONDS LOCATED ON CHHP  
RECREATIONAL AREA**

|                       |       |
|-----------------------|-------|
| Public Fishing Access | 10.00 |
| CHHP Members Access   | 5.00  |

**FISHING ACCESS TO RABBIT CREEK  
ARM OF CAMANCHE LAKE**

|                                     |       |
|-------------------------------------|-------|
| Public Fishing Access: Bow for Carp | 10.00 |
|-------------------------------------|-------|

**RV PARKING AREA**

|                          |        |
|--------------------------|--------|
| Nightly                  | 10.00  |
| Clubhouse Rental (daily) | 500.00 |
| Kitchen Rental (daily)   | 500.00 |
| Grounds (daily)          | 500.00 |

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<sup>1</sup>Fee years are by calendar year for all locations except the Camanche Hills Hunting Preserve where fees are implemented earlier for the hunting year October 1 - September 30.



**RECREATION USE FEES FOR 2026**  
**January – December 2026**  
EFFECTIVE 01/01/2026

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**Camanche Hills Hunting Preserve Discounts, Special Programs and Limitations**

Pricing for planted bird hunting will be reviewed and approved by the Director of Water and Natural Resources.

Free bird hunting and sporting clays shooting is offered to the communications media, based on the availability of birds and sporting clays course.

Free use of the facilities is offered to non-profit hunting organizations for family, disabled and junior hunting functions.

A target shooting (sporting clay, trap, 5-stand and bunkers) discount of 15% is offered to Senior, Disabled, and active or retired military visitors.

A target shooting discount of 50% is offered to Distinguished Veteran Pass holders.

A driven pheasant shoot discount of 15% is offered to Senior, Disabled, active or retired military, and Distinguished Veteran Pass holders.

An RV parking discount of 50% is offered to Senior, Disabled and Distinguished Veteran Pass holders.

Daily field trial events are permitted on a limited basis. Fees range from \$0 for qualified non-profit organizations to a maximum of \$200.00.

EBMUD employees and retirees, concession employees and Tri-County (Amador, Calaveras and San Joaquin) Public Safety Personnel receive a 20% discount on food purchases and a 10% discount on sporting clays.

Discounts and incentives are separate and cannot be combined for a larger discount or incentive.



**RECREATION USE FEES FOR 2026**  
**January – December 2026**  
EFFECTIVE 01/01/2026

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**CAMANCHE RESERVOIR – NORTH SHORE  
AND SOUTH SHORE RECREATION AREAS**

**VEHICLE ENTRY/PARKING**

**CAR/MOTORCYCLE/SMALL VAN**

|  |         |
|--|---------|
| Daily (Peak Season: May 1-September 30, weekends and holidays)                   | \$21.50 |
| Daily (Off-season, Peak Season weekdays)   | 13.00   |
| Nightly (non-camping)  | 13.00   |
| Annual (12 consecutive months)   | 245.00  |
| Annual Senior/Disabled/Former POW/Disabled Veteran (12 Consecutive Months)       | 122.50  |
| Combined Car/Boat Daily (Peak Season: May 1-September 30, weekends and holidays) | 25.00   |
| Combined Car/Boat Daily (Off-season, weekdays)                                   | 18.75   |
| Annual Marina Overnight/Day Use (12 consecutive months)                          | 265.00  |

**VEHICLE ENTRY/PARKING LARGE VANS  
AND BUSES**

|                               |       |
|-------------------------------|-------|
| Large Vans – 10-20 Passengers | 24.00 |
| Buses – 21+ Passengers        | 46.00 |

**DOG**

|  |       |
|--|-------|
| Daily (Fee charged each day in park)                               | 7.00  |
| Annual (12 consecutive months concurrent with Annual Parking Pass) | 63.00 |

**BOAT LAUNCH**

|  |        |
|--|--------|
| Daily Peak Season (May 1- Sept 30), weekends and holidays. (Fee charged each day in park.) | 18.50  |
| Daily Off-season; Peak Season weekdays. (Fee charged each day in park.)                    | 13.00  |
| Night (Fee charged each day in park)   | 15.00  |
| Annual (12 consecutive months)   | 210.00 |
| Senior/Disabled/Former POW/Disabled Veteran Annual (12 consecutive months)                 | 105.00 |

**BOAT MOORING (Buoy)**

|  |          |
|--|----------|
| Monthly: under 30 feet   | 340.00   |
| 30 feet & larger   | 415.00   |
| Annual (12 consecutive months, any length)                             | 3,100.00 |
| Annual – concurrent with Mobilehome Space rent (12 consecutive months) | 1,550.00 |



**RECREATION USE FEES FOR 2026**  
**January – December 2026**  
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**CAMANCHE RESERVOIR – NORTH SHORE  
AND SOUTH SHORE RECREATION AREAS  
(continued)**

**BOAT SLIP OPEN (Excluding park entry)**

|                      |          |
|----------------------|----------|
| Daily                | \$44.00  |
| Weekly               | 205.00   |
| Monthly              | 460.00   |
| 8 Months             | 1,700.00 |
| Key Security Deposit | 15.00    |

**BOAT SLIP COVERED – 24' Length Maximum  
(Excluding park entry)**

|                                |          |
|--------------------------------|----------|
| Daily                          | 60.00    |
| Weekly                         | 240.00   |
| Monthly                        | 640.00   |
| Annual (12 consecutive months) | 2,700.00 |
| Key Security Deposit           | 55.00    |

**BOAT SLIP COVERED – Over 24' Length  
(Excluding park entry)**

|                                |          |
|--------------------------------|----------|
| Daily                          | 65.00    |
| Weekly                         | 325.00   |
| Monthly                        | 775.00   |
| Annual (12 consecutive months) | 3,350.00 |
| Key Security Deposit           | 55.00    |

**RV/TRAILER/BOAT STORAGE (Excluding  
park entry)**

|  |        |
|--|--------|
| Monthly  | 180.00 |
| 12 Months, consecutive   | 950.00 |
| Monthly – 30' Length Maximum (Concurrent<br>with Mooring/Slip Rental)                                    | 85.00  |
| Monthly – Over 30' (Concurrent with<br>Mooring/Slip Rental)  | 120.00 |
| Annual – 30' Length Maximum (Concurrent<br>with Mooring/Slip Rental) (12 consecutive<br>months)          | 415.00 |
| Annual – Over 30' (Concurrent with<br>Mooring/Slip Rental) (12 consecutive months)                       | 550.00 |
| Annual – concurrent with Mobilehome Space<br>rent (12 consecutive months)                                | 490.00 |
| Annual – concurrent with Mobilehome Space<br>rent (<28', 1 boat only, dry #3) (12 consecutive<br>months) | 205.00 |



**RECREATION USE FEES FOR 2026**  
**January – December 2026**  
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**CAMANCHE RESERVOIR – NORTH SHORE  
AND SOUTH SHORE RECREATION AREAS  
(continued)**

**FISHING ACCESS PERMIT**

|        |        |
|--------|--------|
| Daily  | \$8.25 |
| Annual | 170.00 |

**CAMPSITE (w/vehicle parking)**

|   |        |
|---|--------|
| Nightly (Peak Season: May 1 – September 30)   | 45.00  |
| Nightly (Off-season)                          | 27.00  |
| Second Car Parking                            | 18.00  |
| Weekly (Peak Season: May 1 – September 30)    | 200.00 |
| Weekly (Off-season)                           | 125.00 |
| Second Car Weekly                             | 85.00  |
| 14 nights (Peak Season: May 1 – September 30) | 395.00 |
| 14 nights (Off-season)                        | 265.00 |
| Camping Reservation Fee                       | 13.50  |

**PREMIUM CAMPSITES**

|   |        |
|---|--------|
| Nightly (Peak Season: May 1 – September 30)   | 54.00  |
| Nightly (Off-season)                          | 29.00  |
| Second Car Parking                            | 18.00  |
| Weekly (Peak Season: May 1 – September 30)    | 245.00 |
| Second Car Weekly                             | 85.00  |
| 14 nights (Peak Season: May 1 – September 30) | 485.00 |
| 14 nights (Off-season)                        | 285.00 |

**CAMPSITES WITH TENT STRUCTURES**

|                   |        |
|-------------------|--------|
| 8 person nightly  | 90.00  |
| 8 person weekly   | 450.00 |
| 16 person nightly | 151.00 |
| 16 person weekly  | 662.00 |

**CAMPSITE (WALK-IN/BICYCLE PARKING – 8  
PERSON/BIKE MAX)**

|           |        |
|-----------|--------|
| Nightly   | 25.50  |
| Weekly    | 138.50 |
| 14 nights | 262.00 |



**RECREATION USE FEES FOR 2026**  
**January – December 2026**  
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**CAMANCHE RESERVOIR – NORTH SHORE  
AND SOUTH SHORE RECREATION AREAS  
(continued)**

**GROUP CAMP (Nightly)**

|                 |          |
|-----------------|----------|
| 12-Person Limit | \$145.00 |
| 16-Person Limit | 175.00   |
| 24-Person Limit | 205.50   |
| 32-Person Limit | 273.00   |
| 64-Person Limit | 515.00   |
| 72-Person Limit | 570.00   |

**GROUP CAMP (Nightly, off-season)**

|                 |        |
|-----------------|--------|
| 12-Person Limit | 72.00  |
| 16-Person Limit | 78.00  |
| 24-Person Limit | 82.50  |
| 32-Person Limit | 90.00  |
| 64-Person Limit | 174.00 |
| 72-Person Limit | 225.00 |

**EQUESTRIAN – TURKEY HILL – 2 HORSES  
PER SINGLE SITE – “NO OFF-SEASON  
DISCOUNTS”**

|   |        |
|---|--------|
| General Assembly Area                       | 110.00 |
| Turkey Hill Single                          | 72.00  |
| Turkey Hill Double                          | 138.00 |
| Turkey Hill Triple                          | 165.00 |
| Turkey Hill Quad                            | 220.00 |
| Entire Turkey Hill (includes assembly area) | 800.00 |

**RV SITE**

|                                     |          |
|-------------------------------------|----------|
| Nightly                             | 68.00    |
| Weekly                              | 365.00   |
| Monthly                             | 750.00   |
| Season (6-Month Max)                | 2,250.00 |
| Premium Sites Nightly (Peak Season) | 76.00    |
| Premium Sites Weekly (Peak Season)  | 390.00   |

**TOWING**

|                                   |        |
|-----------------------------------|--------|
| Camanche Recreation Area per hour | 175.00 |
|-----------------------------------|--------|

**MISCELLANEOUS**

|                                     |       |
|-------------------------------------|-------|
| Camanche Recreation Area Lake Tours | 15.00 |
|-------------------------------------|-------|



**RECREATION USE FEES FOR 2026**  
**January – December 2026**  
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**CAMANCHE RESERVOIR – NORTH SHORE  
AND SOUTH SHORE RECREATION AREAS  
(continued)**

**BOAT/VESSEL DECONTAMINATION**

|   |                      |
|---|----------------------|
| Vessel decontamination (up to 30')          | \$42.00              |
| Vessels over 30' in length                  | 42.00 + 5.00         |
|   | for each 5' over 30' |
| Ballast tanks decontamination               | 10.00                |
| Tank, bilge, live well decontamination only | 30.00                |
| PWC storage area decontamination only       | 30.00                |
| Kayaks and Canoes decontamination           | 30.00                |

**COTTAGE/MOTEL GENERAL**

|  |        |
|--|--------|
| Camanche Recreation Area – Security Deposit    | 200.00 |
| Additional Guest Charge (to maximum occupancy) | 20.00  |

**COTTAGE (4-Person Base)**

|                    |          |
|--------------------|----------|
| May – Sept: Night  | 220.00   |
| Week               | 1,125.00 |
| Oct – April: Night | 146.00   |
| Week               | 750.00   |
| Month              | 2,050.00 |

**COTTAGE (6-Person Base)**

|                    |          |
|--------------------|----------|
| May – Sept: Night  | 280.00   |
| Week               | 1,450.00 |
| Oct – April: Night | 180.00   |
| Week               | 945.00   |
| Month              | 2,250.00 |

**PARK MODEL (4-Person)**

|                    |          |
|--------------------|----------|
| May – Sept: Night  | 220.00   |
| Week               | 1,125.00 |
| Oct – April: Night | 146.00   |
| Week               | 750.00   |
| Month              | 2,050.00 |

**RESORT RENTAL (4 BEDROOM, 14 PERSON  
MAX)**

|                    |          |
|--------------------|----------|
| May – Sept: Night  | 480.00   |
| Week               | 2,475.00 |
| Oct – April: Night | 255.00   |
| Week               | 1,325.00 |



**RECREATION USE FEES FOR 2026**  
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**EFFECTIVE 01/01/2026**

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**CAMANCHE RESERVOIR – NORTH SHORE  
AND SOUTH SHORE RECREATION AREAS  
(continued)**

**MOBILEHOME (MONTHLY)**

3 bedroom

CY25 Rate +  
HUD FMR<sup>2</sup>

**MOBILEHOME SPACES (MONTHLY)**

North Shore 1A

CY25 Rate +  
HUD FMR<sup>2</sup>

North Shore 1B

CY25 Rate +  
HUD FMR<sup>2</sup>

North Shore 2

CY25 Rate +  
HUD FMR<sup>2</sup>

South Shore

CY25 Rate +  
HUD FMR<sup>2</sup>

\*Mobilehomes registered through Amador County receive a \$2.50 credit on their monthly rent to reflect their payment of fire-related fees.

**OTHER MOBILEHOME FEES (PER SPACE – MONTHLY)**

Guest Fee

\$75.00

Late Rent/Returned Check Fee

50.00

**FACILITY RENTAL**

Lakeside Hall Daily (hall only)

875.00

Lakeside Hall Daily (kitchen & serviceware included)

1,300.00

Lakeside Hall Cleaning and Equipment Deposit

1,000.00

Camanche Clubhouse Rental (North Shore)

215.00

Camanche Clubhouse Rental (South Shore)

150.00

Camanche Amphitheatre (South Shore)

500.00

<sup>2</sup> HUD FMR is the Housing and Urban Development Fair Market Rents Index, which is published by HUD before the start of each federal fiscal year. The mobilehome rental space fee shall be adjusted annually (fee adjustment) based on the following process. Starting with the 2025 Recreation Use Fee schedule, any percent increase shall be capped at 5 percent, provided however, that the cap may increase up to a maximum 10 percent in future years. The percent change in the HUD FMR index for 2-bedroom homes shall be averaged for Amador and Calaveras Counties and shall serve as the fee adjustment, up to the applicable cap for that year. Any balance remaining that was not applied due to the cap shall be carried and applied to the following year's fee adjustment, up to the applicable cap for that year. The applicable cap for a year shall be calculated based on the table below. As with all rates, fees, and charges, the District's Board of Directors may revise this process by Board action.

| Carryforward Balance<br>from Previous Year | Annual Fee Cap |
|--|----------------|
| 0-8%                                       | 5%             |
| 8-12%                                      | 8%             |
| Over 12%                                   | 10%            |





**RECREATION USE FEES FOR 2026**  
**January – December 2026**  
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**Camanche Reservoir – North and South Shore Recreation Area Discounts, Special Programs, Limitations**

Concessionaire Employees receive free entrance to and use of rental boats during off-hours, a 20% discount on food and merchandise, and a camping discount equal to the car entrance fee. Limited to one free vehicle entry and one free boat rental per employee per day.

Concessionaire and/or District may provide free entry and use of rental boats for disadvantaged groups (e.g., disabled, senior, youth, veteran), and for media to promote the recreation area.

Current Camanche Regional Park Advisory Board members and active field public safety personnel in Amador, Calaveras and San Joaquin County receive free day use entry.

Senior/Disabled receive 50% discount on annual entry and boat launch fees, and on non-holiday weekday boat rentals. Senior rates are for individuals with a driver's license or ID showing age 62 or older.

Active, reserve, retired, and veteran military personnel receive 20% discount on day use entry, boat rentals, (excluding rental of the party barge), camping and short-term (14-day) RV sites and lodging. Military identification required. Discount may not be combined with other offers.

Distinguished Veteran Pass holders receive free day use and boat launch and 50% discount on non-holiday weekday boat rentals.

Groups of four or less individuals meeting the criteria for disabled discounts shall be eligible to rent the 6-person ADA cottages at Camanche for the 4-person cottage rate.

Turkey Hill Equestrian Campground single site customers renting larger spaces due to single sites being occupied shall be charged the lesser prorated rate.

Concessionaire or District can issue return coupons for free entry or camping for dissatisfied customers.

Groups participating in volunteer District facility improvement programs receive 50% discount on entry and camping fees.

Short-term visitor passes may be issued for periods up to one-hour.

Campsite charges include one vehicle entry, and RV site charges include a second/tow vehicle. Monthly and Seasonal RV Park fees include one vehicle entry, but do not include electricity charge. Electricity is metered and charged separately. Each of the daily charges, except the fishing access permit, shall be valid and effective for the calendar day upon which the charge was made, from one hour before sunrise until one hour after sunset.

Fishing access permits are valid until midnight of said day.



**RECREATION USE FEES FOR 2026**  
**January – December 2026**  
EFFECTIVE 01/01/2026

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**Camanche Reservoir – North and South Shore Recreation Area Discounts, Special Programs, Limitations (continued)**

Each of the weekly charges shall be valid and effective for the calendar week in which the charge is made, terminating at 1:00 p.m. on the seventh consecutive day of said period. The seasonal charges noted for each recreation area shall be valid and effective for a period not exceeding 24 consecutive hours and terminating at 1:00 p.m. during said period.

Check out time for all RV sites is 1:00 p.m.

Peak Season is May 1 – September 30. Off-season is October 1 – April 30.

Premium Campsite or Premium RV site is a site that due to enhanced amenities, waterfront access or other special features is rented at a higher rate than a standard site.

Standard campsites may have a maximum of 8 people and 2 vehicles.

Short-term visitor passes may be issued for periods of up to one-hour.



**RECREATION USE FEES FOR 2026**  
**January – December 2026**  
EFFECTIVE 01/01/2026

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**LAFAYETTE RECREATION AREA**

**ENTRY AND PARKING –  
CAR/MOTORCYCLE/SMALL VAN**

|   |        |
|---|--------|
| Daily   | \$7.00 |
| Annual (new or renewal)   | 140.00 |
| Replacement hang-tag (Replacement limited to 1 hang-tag per year) | 25.00  |
| Parking Meters 1/2 hour   | 1.00   |
| Senior/Disabled   |        |
| Season (new or renewal)   | 90.00  |

**ENTRY AND PARKING –  
LARGE VANS AND BUSES**

|                               |       |
|-------------------------------|-------|
| Large Vans – 10-20 Passengers | 22.00 |
| Buses – 21+ Passengers        | 40.00 |

**COMMERCIAL USES (in addition to the base fee noted below, the Director of Water and Natural Resources may set an additional fee to recover the District's direct costs plus overhead)**

|                               |          |
|-------------------------------|----------|
| Commercial Use                |          |
| Small (up to 10 people)       | 120.00   |
| Medium (from 11 to 50 people) | 600.00   |
| Large (from 51 to 150 people) | 1,200.00 |

**BOAT LAUNCH**

|                     |        |
|---------------------|--------|
| Daily               | 4.00   |
| Annual              | 100.00 |
| Boat Inspection Fee | 6.00   |

**FISHING ACCESS**

|       |      |
|-------|------|
| Daily | 6.00 |
|-------|------|

**GROUP PICNIC**

|                                  |                          |
|----------------------------------|--------------------------|
| Small Site (Weekend/Holiday)     | 200.00                   |
| Small Site (Weekday/Non-Holiday) | 100.00                   |
| Large Site (Weekend/Holiday)     | 350.00                   |
| Large Site (Weekday/Non-Holiday) | 175.00                   |
| Special Events Fee               | 500.00 + \$1/participant |
| Security Deposit                 | 100.00                   |



**RECREATION USE FEES FOR 2026**  
**January – December 2026**  
EFFECTIVE 01/01/2026

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**Lafayette Reservoir – Discounts, Special Programs, Limitations**

District may provide free entry and use of rental boats for disadvantaged groups (e.g., disabled, senior, youth, veteran), and for media to promote the recreation area.

Senior/Disabled receive 50% discount on boat launch fees and on non-holiday weekday boat rentals. Senior rates are for individuals with a drivers' license showing age 62 or older.

Distinguished Veteran Pass holders receive free day use and boat launch and 50% discount on non-holiday weekday boat rentals.



**RECREATION USE FEES FOR 2026**  
**January – December 2026**  
EFFECTIVE 01/01/2026

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**PARDEE RECREATION AREA**

**VEHICLE ENTRY AND PARKING –  
CAR/MOTORCYCLE/SMALL VAN**

|                             |         |
|-----------------------------|---------|
| Daily/Nightly (Non-Camping) | \$13.00 |
| Season                      | 145.00  |
| Combined Car/Boat Daily     | 20.00   |

**VEHICLE ENTRY AND PARKING –  
LARGE VANS AND BUSES**

|                               |       |
|-------------------------------|-------|
| Large Vans – 10-20 Passengers | 24.00 |
| Buses – 21+ Passengers        | 46.00 |

**DOG**

|  |       |
|--|-------|
| Daily (Fee charged each day in park)         | 6.50  |
| Season (Concurrent with Season Parking Pass) | 60.00 |

**STANDARD BOAT LAUNCH**

|                                      |        |
|--------------------------------------|--------|
| Daily (Fee charged each day in park) | 13.00  |
| Season                               | 135.00 |

**CARTOP BOAT LAUNCH (Float Tube, Kayak,  
Canoe, Scull)**

|        |       |
|--------|-------|
| Daily  | 6.00  |
| Season | 60.00 |

**BOAT SLIP (excluding park entry)**

|                                    |        |
|------------------------------------|--------|
| Daily                              | 13.00  |
| Weekly                             | 65.00  |
| Monthly                            | 140.00 |
| Season                             | 800.00 |
| Season (concurrent with season RV) | 750.00 |

**FISHING ACCESS**

|        |        |
|--------|--------|
| Daily  | 8.25   |
| Annual | 200.00 |

**POOL USE**

|                                |      |
|--------------------------------|------|
| Pool Access Wristband          | 3.50 |
| Pool Access Wristband - Senior | 2.50 |

**MISCELLANEOUS**

|                             |       |
|-----------------------------|-------|
| RV/Campsite Reservation Fee | 11.00 |
|-----------------------------|-------|



**RECREATION USE FEES FOR 2026**  
**January – December 2026**  
**EFFECTIVE 01/01/2026**

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**PARDEE RECREATION AREA (continued)**

**STANDARD CAMPSITE (w/vehicle parking)**

|                    |         |
|--------------------|---------|
| Nightly            | \$35.00 |
| Second Car Parking | 13.00   |
| Weekly             | 160.00  |
| Second Car Parking | 65.00   |

**PREMIUM CAMPSITE (w/vehicle parking)**

|         |        |
|---------|--------|
| Nightly | 40.00  |
| Weekly  | 200.00 |

**CAMPSITE (walk-in/bicycle parking)**

(8 person/8 bike maximum)

|         |        |
|---------|--------|
| Nightly | 25.00  |
| Weekly  | 138.50 |

**DOUBLE CAMPSITE (16 people/2 vehicles)**

|                         |       |
|-------------------------|-------|
| Nightly                 | 60.00 |
| Third or Fourth Vehicle | 13.00 |

**RV SITE**

|                       |          |
|-----------------------|----------|
| Nightly               | 50.00    |
| Weekly                | 300.00   |
| Monthly               | 600.00   |
| Season                | 4,505.00 |
| Season – Premium Site | 4,648.00 |

**RV/TRAILER/BOAT STORAGE (excluding  
park entry)**

|   |        |
|---|--------|
| Weekly                                  | 40.00  |
| Monthly                                 | 90.00  |
| Season                                  | 600.00 |
| Season – concurrent with season RV site | 475.00 |
| 12-Month Consecutive                    | 800.00 |

**TOWING**

100.00

**RESERVABLE SITE/FACILITY (charges in  
addition to above fees)**

|   |        |
|---|--------|
| Small (25 or less people)                   | 75.00  |
| Medium (26-100 people)                      | 125.00 |
| Large (101-150 people)                      | 175.00 |
| Over 150 people                             | 300.00 |
| Café/Pool Day Use Area (refundable deposit) | 60.00  |



**RECREATION USE FEES FOR 2026**  
**January – December 2026**  
EFFECTIVE 01/01/2026

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**PARDEE RESERVOIR – DISCOUNTS, SPECIAL PROGRAMS, LIMITATIONS**

Concessionaire Employees receive free entrance to and use of rental boats during off-season hours, a 20% discount on food and merchandise, and a camping discount equal to the car entrance fee. Limited to one free vehicle entry and one free boat rental per employee per day.

Concessionaire and/or District may provide free entry and use of rental boats for disadvantaged groups (e.g., disabled, senior, youth, veteran), and for media to promote the recreation area.

Current Camanche Regional Park Advisory Board members and active field public safety personnel in Amador, Calaveras and San Joaquin County receive free day use entry.

Senior/Disabled receive 50% discount on annual entry and boat launch fees, and on non-holiday weekday boat rentals. Senior rates are for individuals with a driver's license or ID showing age 62 or older.

Active, reserve, retired, and veteran military personnel receive 20% discount on day use entry, boat rentals, (excluding Deluxe Pontoon), and dry camping (excluding RV hook-up sites). Military identification required. Discount may not be combined with other offers.

Distinguished Veteran Pass holders receive free day use and boat launch and 50% discount on non-holiday weekday boat rentals.

Concessionaire or District can issue return coupons for free entry or camping for dissatisfied customers.

Groups participating in volunteer District facility improvement programs receive 50% discount on entry and camping fees.

Campsite charges include one vehicle entry, and RV site charges include a second/tow vehicle.

Monthly and Seasonal RV Park fees include one vehicle entry, but do not include electricity charge. Electricity is metered and charged separately.

Each of the daily charges, except the fishing access permit, shall be valid and effective for the calendar day upon which the charge was made, from one hour before sunrise until one hour after sunset. Fishing access permits are valid until midnight of said day.

Each of the weekly charges shall be valid and effective for the calendar week in which the charge is made, terminating at 1:00 p.m. on the seventh consecutive day of said period.

Each of the nightly charges shall be valid and effective for a period not exceeding 24 consecutive hours and terminating at 1:00 p.m. during said period.

Premium Campsite or Premium RV site is a site that due to enhanced amenities, waterfront access or other special features is rented at a higher rate than a standard site.



**RECREATION USE FEES FOR 2026**  
**January – December 2026**  
EFFECTIVE 01/01/2026

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**PARDEE RESERVOIR – DISCOUNTS, SPECIAL PROGRAMS, LIMITATIONS (continued)**

Standard campsites may have a maximum of 8 people and 2 vehicles.

Short-term visitor passes may be issued for periods up to one hour.





**RECREATION USE FEES FOR 2026**  
**January – December 2026**  
EFFECTIVE 01/01/2026

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**SAN PABLO RECREATION AREA**

**ENTRY AND PARKING –  
CAR/MOTORCYCLE/SMALL VAN**

|   |        |
|---|--------|
| Daily   | \$7.00 |
| Daily (Special Events)                        | 5.00   |
| Season  | 120.00 |
| Replacement Pass (limited to 1 pass per year) | 25.00  |

**ENTRY AND PARKING –  
LARGE VANS AND BUSES**

|                               |       |
|-------------------------------|-------|
| Large Vans – 10-20 Passengers | 22.00 |
| Buses – 21+ Passengers        | 40.00 |

**COMMERCIAL USES (in addition to the base fee noted below, the Director of Water and Natural Resources may set an additional fee to recover the District's direct costs plus overhead)**

|                               |          |
|-------------------------------|----------|
| Small (up to 10 people)       | 120.00   |
| Medium (from 11 to 50 people) | 600.00   |
| Large (from 51 to 150 people) | 1,200.00 |

**STANDARD BOAT LAUNCH**

|                              |        |
|------------------------------|--------|
| Daily                        | 8.00   |
| Season (Entry & Boat Launch) | 170.00 |
| Boat Inspection Fee          | 10.00  |

**CARTOP BOAT LAUNCH (Float Tube, Kayak, Canoe, Scull)**

|                                  |        |
|----------------------------------|--------|
| Daily                            | 4.00   |
| Season (Entry and Cartop Launch) | 124.00 |

**FISHING ACCESS**

|       |      |
|-------|------|
| Daily | 7.00 |
|-------|------|

**GROUP PICNIC**

|                           |        |
|---------------------------|--------|
| Large Sites (Oaks) daily  | 300.00 |
| Large Sites (Pines) daily | 200.00 |
| Security Deposit          | 100.00 |

**GAZEBO, Daily Rental**

|                  |        |
|------------------|--------|
| Security Deposit | 100.00 |
|------------------|--------|

**TOWING**

40.00



**RECREATION USE FEES FOR 2026**  
**January – December 2026**  
EFFECTIVE 01/01/2026

---

**SAN PABLO RESERVOIR – Discounts, Special Programs, Limitations**

Concessionaire Employees receive free entrance to and use of rental boats during off-season hours, a 20% discount on food and merchandise. The discount is limited to one free vehicle entry and one free boat rental per employee per day. To qualify, a concession employee must work a minimum of 20 hours per week, Sunday through Saturday.

Concessionaire and/or District may provide free entry and use of rental boats for disadvantaged groups (e.g., disabled, senior, youth, veteran), and for media to promote the recreation area.

Concessionaire or District can issue return coupons for free entry or camping for dissatisfied customers.

Each of the daily charges, including the fishing access permit, shall be valid and effective for the calendar day upon which the charge was made, from the time the park opens until it closes each day.

Groups participating in volunteer District facility improvement programs receive 50% discount on entry fees.

Senior/Disabled receive 50% discount on season passes and on non-holiday weekday boat rentals. Senior rates are for individuals with a driver's license or ID showing age 62 or older.

Distinguished Veteran Pass holders receive free day use and boat launch and 50% discount on non-holiday weekday boat rentals.

Unless determined otherwise, the recreation season is mid-February through November (dates selected by concessionaire with District approval).



**RECREATION USE FEES FOR 2026**  
**January – December 2026**  
EFFECTIVE 01/01/2026

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**WATERSHED TRAIL SYSTEM**

**WATERSHED TRAILS**

|                          |        |
|--------------------------|--------|
| Daily Permit             | \$3.00 |
| Annual Permit            | 10.00  |
| Three-Year Permit        | 20.00  |
| Five-Year Permit         | 30.00  |
| Low-income Annual Permit | 0.00   |

# **EXHIBIT D**



# **East Bay Municipal Utility District** **Water System Capacity Charge Study**







June 1, 2021

Mr. Richard Lou, Principal  
Management Analyst  
East Bay Municipal Utility  
District  
375 Eleventh St.  
Oakland, CA 94607

Re: Water System Capacity  
Charge Study - Final Report

Dear Mr. Lou,

Stantec and Hildebrand Consulting are pleased to provide you with this report of findings from the Water System Capacity Charge Study (Study) completed for the East Bay Municipal Utility District. We appreciate the fine assistance provided by you and all the members of the District staff who participated and contributed to the Study.

The key findings and recommendations are outlined in the enclosed report and provide a framework for the District's continued use of water system capacity charges to fund water system infrastructure necessary to serve new water connections.

If you or others at District have any questions, please do not hesitate to call me at (202) 585-6391 or send an email to [david.hyder@stantec.com](mailto:david.hyder@stantec.com). We appreciate the opportunity to be of service to the District and look forward to the possibility of doing so again in the future.

Sincerely,

A handwritten signature in blue ink, appearing to read "David Hyder".

David Hyder  
Senior Principal/Project Manager

A handwritten signature in blue ink, appearing to read "William Ziebertz".

William Ziebertz  
Director/Project Director

A handwritten signature in blue ink, appearing to read "Mark Hildebrand".

Mark Hildebrand  
Subconsultant Hildebrand Consulting

Enclosure

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## EAST BAY MUNICIPAL UTILITY DISTRICT - WATER SYSTEM CAPACITY CHARGE STUDY

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## EXECUTIVE SUMMARY

This Executive Summary presents an overview of the results of the Comprehensive Water System Capacity Charge Study (Study) that was completed for the East Bay Municipal Utility District (hereafter referred to as EBMUD or the District). While the Executive Summary presents the primary findings and recommendations developed during the study, the full report outlines all of the key assumptions, methodology and detailed analyses completed to arrive at the results of the Study and should be referenced to gain a full understanding of the analysis.

### **Background**

The District utilizes Water System Capacity Charges (SCC) to recover proportional shares of the costs of water supply, treatment, and distribution system investments from new customers joining the water system or customers requiring increased system capacity. The SCCs are designed to recover the proportionate capacity-related costs of new connections on the water system. EBMUD's SCC program recognizes differences in typical demand profiles and capacity costs across the three regions within the District's service area. This SCC Study provides a comprehensive review of the District's SCC calculation methodology, including the calculation of the unit cost per 100 gallons per day, as well as the demand basis for assessing the charge to individual applicants.

The formula used by the District to calculate SCCs is shown in Figure ES-1. Ultimately, the SCC is determined by multiplying the unit cost of system capacity by the customer's estimated capacity requirement, both of which are calculated specifically for each of the three regions.

The diagram illustrates the formula for calculating the System Connection Charge (\$). It consists of three gray rectangular boxes with black borders, connected by a multiplication symbol (X) and an equals sign (=). The first box contains the text 'Unit Cost (\$/100 gpd)'. The second box contains the text 'Estimated Customer Use (100 gpd)'. The third box contains the text 'System Connection Charge (\$)'. The formula is presented as: Unit Cost (\$/100 gpd) X Estimated Customer Use (100 gpd) = System Connection Charge (\$).

**Figure ES-1: SCC Formula**

Our review and recommendations related to these two primary components of the SCC are outlined in the following sections.

### **Unit Cost Determination**

SCC unit costs were evaluated based on the existing systemwide, regional, and future water supply assets and their respective capacity to provide service to the District's customers. Based on our review of the current methodology, industry standards and the District's historical and ongoing investments in the water system, the following changes are recommended for the determination of the unit cost.

- Update existing asset valuation from replacement cost new (RCN) for all assets to a mix of RCN and a replacement cost new less depreciation (RCNLD) to account for the ongoing investments occurring within some asset classes.

## EAST BAY MUNICIPAL UTILITY DISTRICT - WATER SYSTEM CAPACITY CHARGE STUDY

- Update the asset register to include all previously completed future water supply projects and include these costs within the buy-in component of the SCC unit costs.
- Update the future water supply cost component of the SCC unit cost calculations to only reflect projects that are yet to be completed.
- Update the assumed system-wide and regional potable consumption to reflect the latest projections from the District's 2050 Demand Study.

Table ES-1 presents the summary of the updated FY 2022 unit costs for each of the individual SCC components based on the methodology outlined above. The current total unit costs are provided for comparison purposes.

**Table ES-1: Updated SCC Unit Costs for FY 2022**

| Region   | Unit Costs \$/100 gpd |                 |                     |                |                |
|----------|-----------------------|-----------------|---------------------|----------------|----------------|
|          | System-Wide Buy-In    | Regional Buy-In | Future Water Supply | Total          | Current Total  |
| Region 1 | \$3,575               | \$1,787         | \$798               | <b>\$6,160</b> | <b>\$6,463</b> |
| Region 2 | \$3,575               | \$4,585         | \$798               | <b>\$8,958</b> | <b>\$8,708</b> |
| Region 3 | \$3,575               | \$2,720         | \$798               | <b>\$7,093</b> | <b>\$6,903</b> |

### ***Estimated Customer Use***

Currently, the District assesses SCCs to new customers based on an assumed average water use for single family residential (SFR), multi-family residential (MFR), and non-residential customer classes. As part of this Study, recent water use data from 2005 to 2017 was analyzed to update typical water use characteristics for each customer class, both system-wide and in each region. Based on our review of the historical usage patterns, the District's current methodology for developing estimated customer use by customer class and industry standards, the following changes are recommended for calculating projected customer usage for meters under 2":

- The recommended methodology calculates the average water use by customer class and meter size based on historic observed water consumption from detailed EBMUD billed water consumption data and the EBMUD 2020 Demand Study analysis. This would replace the existing approach which calculates the average water use for a 5/8" and 3/4" metered customer and then escalates the projected water use based on an AWWA meter equivalence schedule and uses updated information to more closely reflect water use for larger meter sizes.
- The recommended methodology proposes not to distinguish between regions with respect to the assumed consumption level for MFR dwelling units but would differentiate the estimated demand based on MFR dwelling unit size. Observed MFR dwelling unit water use was relatively consistent between the SCC regions, so the analysis of more detailed MFR water use by dwelling size lends to the combination of the SCC regions. For the analysis, dwelling unit size data was derived from county records and linked to MFR water use. This updated use would replace the existing methodology which calculates a single use for all multi-family residential units, regardless of size, but differentiated by region.

## EAST BAY MUNICIPAL UTILITY DISTRICT - WATER SYSTEM CAPACITY CHARGE STUDY

The following tables present the estimated water use based on our recommended approach and analysis and for application within the assessment of the SCC for each customer class.

**Table ES-2: Single Family Customer Water Use (gallons per day)**

| Region   | Meter Size  |     |      |
|----------|-------------|-----|------|
|          | 5/8" & 3/4" | 1"  | 1 ½" |
| Region 1 | 190         | 270 | 345  |
| Region 2 | 210         | 450 | 580  |
| Region 3 | 490         | 750 | 965  |

**Table ES-3: Multi-Family Customer Water Use (gallons per day)**

| Region            | Dwelling Unit Size |              |
|-------------------|--------------------|--------------|
|                   | < 500 sq. ft       | > 500 sq. ft |
| Service Area Wide | 95                 | 120          |

**Table ES-4: Non-Residential Customer Water Use (gallons per day)**

| Region   | Meter Size |      |       |       |
|----------|------------|------|-------|-------|
|          | 5/8"       | 3/4" | 1"    | 1 ½"  |
| Region 1 | 246        | 402  | 765   | 1,995 |
| Region 2 | 334        | 478  | 856   | 2,430 |
| Region 3 | 460        | 704  | 1,254 | 3,089 |

The proposed SCCs are calculated by applying the formula shown in Figure ES-1. The unit cost for each region was multiplied by the estimated water use for each customer class and meter size or dwelling unit. Estimated water use was derived from an analysis of billed water consumption data, the 2020 Demand Study and county records. Table ES-5 summarizes the current and proposed SCCs by customer class and meter size. The table demonstrates that the proposed SCCs for all customer classes are lower than the charges currently assessed by the District. For SFR, MFR and non-residential applicants, the proposed SCC will be reduced for nearly all customers from 5% to over 50% depending on the customer class and meter size, except for the nonresidential 1½" meter size, which will remain about the same as the current SCC.

**Table ES-5: Current and Proposed SCC Schedule**

| Customer Type | Region   | Current SCC | Proposed SCC |
|---------------|----------|-------------|--------------|
| SFR 3/4"      | Region 1 | \$18,100    | \$11,705     |
|               | Region 2 | \$31,350    | \$18,811     |
|               | Region 3 | \$40,040    | \$34,754     |
| SFR 1"        | Region 1 | \$30,230    | \$16,633     |
|               | Region 2 | \$52,350    | \$40,309     |
|               | Region 3 | \$66,870    | \$53,195     |

# EAST BAY MUNICIPAL UTILITY DISTRICT - WATER SYSTEM CAPACITY CHARGE STUDY

| Customer Type               | Region   | Current SCC | Proposed SCC |
|-----------------------------|----------|-------------|--------------|
| SFR 1 ½"                    | Region 1 | \$60,460    | \$21,253     |
|                             | Region 2 | \$104,700   | \$51,954     |
|                             | Region 3 | \$133,740   | \$68,444     |
| Non-Residential 5/8"        | Region 1 | \$25,850    | \$15,151     |
|                             | Region 2 | \$46,590    | \$29,960     |
|                             | Region 3 | \$43,140    | \$32,619     |
| Non-Residential 3/4"        | Region 1 | \$38,780    | \$24,763     |
|                             | Region 2 | \$69,890    | \$42,831     |
|                             | Region 3 | \$64,710    | \$49,935     |
| Non-Residential 1"          | Region 1 | \$64,760    | \$47,118     |
|                             | Region 2 | \$116,720   | \$76,663     |
|                             | Region 3 | \$108,070   | \$88,960     |
| Non-Residential 1 ½"        | Region 1 | \$129,520   | \$122,871    |
|                             | Region 2 | \$233,440   | \$217,654    |
|                             | Region 3 | \$216,140   | \$219,086    |
| MFR per unit<br>(<500 sqft) | Region 1 | \$10,530    | \$5,852      |
|                             | Region 2 | \$14,630    | \$8,510      |
|                             | Region 3 | \$13,740    | \$6,738      |
| MFR per unit<br>(>500 sqft) | Region 1 | \$10,530    | \$7,392      |
|                             | Region 2 | \$14,630    | \$10,749     |
|                             | Region 3 | \$13,740    | \$8,511      |

## 1.0 SYSTEM CAPACITY CHARGE BACKGROUND

### 1.1 BACKGROUND

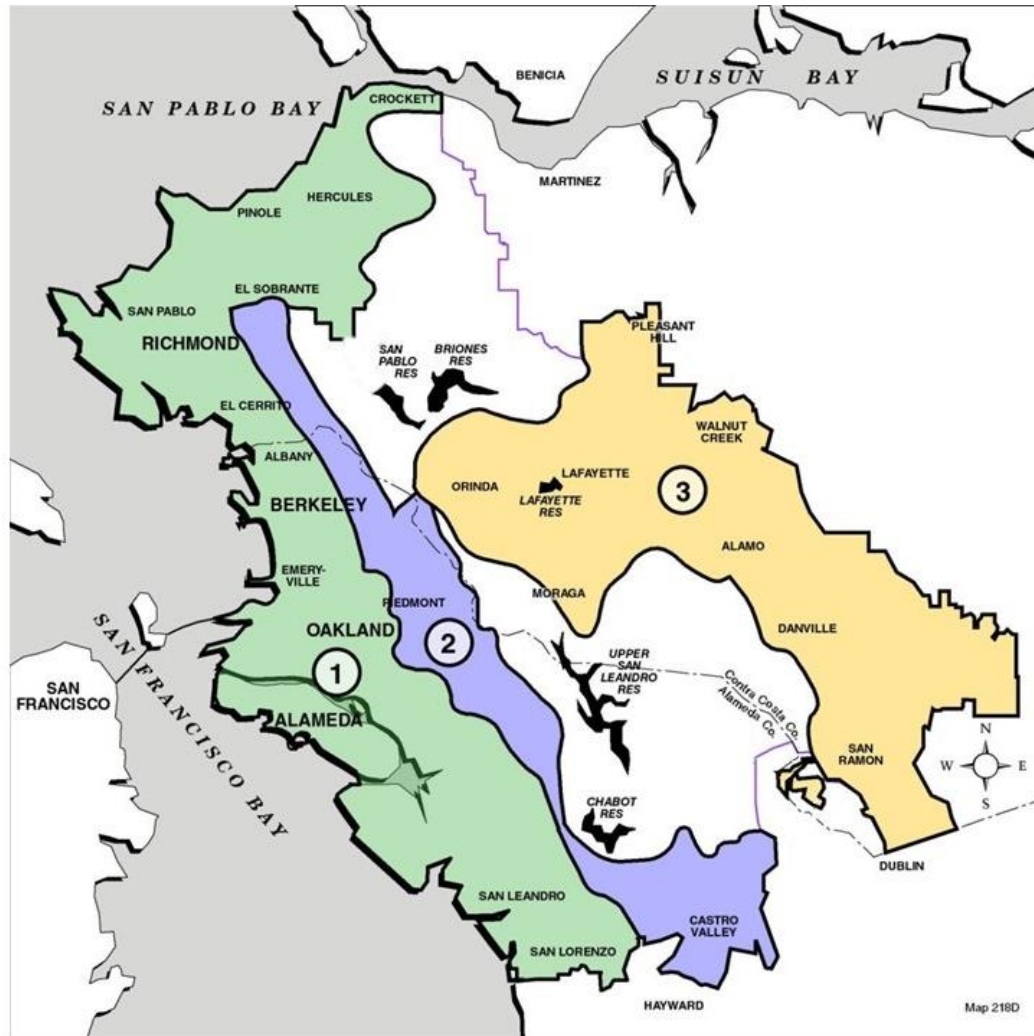
East Bay Municipal Utility District owns and operates a water system that serves approximately 1.4 million people across a 332 square mile area, extending from Crockett on the North, San Lorenzo on the South, and Walnut Creek and San Ramon Valley to the East. The Bay Area has and continues to be experiencing an increase in housing demand and shortages which are shifting development toward urban infill. Much of the recent and projected housing production is in the form of multi-unit complexes. The District's water treatment and distribution system has been constructed with sufficient capacity to meet existing and future water demand; however, additional water supplies are required to meet the District's projected water demands.

In publicly owned utilities, rate payers finance the construction, renewal, and replacement of system assets through user rates, taxes, and other fees. When new connections are added to the system, they receive services through infrastructure that has been funded by existing customers. It is common for utilities to impose charges or fees to fund the capital improvements required to serve growth and new or expanded development.

The District utilizes Water System Capacity Charges (SCC) to recover from new customers a share of the costs of constructing future water supply projects, and existing public facilities for storage, transmission, treatment and distribution that are of proportional benefit to the person or property being charged. The SCC program allows EBMUD to adhere to the principle of '*growth-pays-for growth*' which recovers the cost of providing system capacity to new customers for both existing system infrastructure and the additional future water supplies that will be needed to meet new demand. The SCCs are designed to recover the proportionate capacity-related costs of new connections on the water system. EBMUD's SCC program recognizes differences in typical demand profiles and capacity costs across the three regions within the District's service area. The charge basis used by the District has been updated multiple times since the inception of the SCC in 1983, with the charge escalated annually using the Engineering News Record (ENR) construction cost index.

The SCC is comprised of three components: a system-wide component, a regional component, and a future water supply component. The system-wide component is calculated to ensure new or upsized connections pay for their proportionate share of the value of existing facilities that serve the entire service area. The regional component serves the same purpose, but for specific facilities that primarily benefit the water service within to the individual regions (Figure 1-1). Finally, the future water supply component is established to collect the incremental cost of constructing future water supply projects to serve new or upsized connections.

## EAST BAY MUNICIPAL UTILITY DISTRICT - WATER SYSTEM CAPACITY CHARGE STUDY



**Figure 1-1: East Bay Municipal Utility District SCC Regions.**

The methodology used by the District to calculate SCCs is shown in Figure 1-2. **Error! Reference source not found.** Ultimately, the SCC charged to new connections or existing customers requiring additional capacity is determined by multiplying the unit cost of system capacity by the customer's estimated capacity requirement, both of which are calculated specifically for each of the three regions.

|                        |   |                                  |   |                               |
|------------------------|---|----------------------------------|---|-------------------------------|
| Unit Cost (\$/100 gpd) | X | Estimated Customer Use (100 gpd) | = | System Connection Charge (\$) |
|------------------------|---|----------------------------------|---|-------------------------------|

**Figure 1-2: SCC Formula**

## **1.2 SCOPE OF WORK**

The scope of work completed by Stantec and Hildebrand Consulting for the District can be summarized into four primary tasks:

Task 1: Update the unit cost of system-wide and regional capacity, expressed in hundreds of gallons per day (100 gpd) using the most current available District data (Section 2).

Task 2: Conduct a water use analysis by region to determine the estimated capacity use by customer class (Section 3).

Task 3: Evaluate the structure of the SCC for each customer class (Section 3).

Task 4: Develop an updated schedule of SCCs for each customer class by region (Section 4) based on Task 1 through 3.

The SCC Study provides a comprehensive review of the SCC calculation methodology, including the calculation of the system-wide and regional components, the calculation of the incremental cost of future water supply, and the demand basis for assessing the charge to individual applicants. Each element of the SCC methodology was evaluated, to not only update the values used to calculate SCC's, but also update the District's approach where appropriate. The unit cost of capacity was updated by considering the District's approach to assessing the value of existing and growth-related infrastructure, how assets are allocated to each region in the District, and the projected consumption by each region. The estimated water demands for each customer class were reviewed by evaluating historic water use data to update the typical water use characteristics for each customer class, both system-wide and in each region.

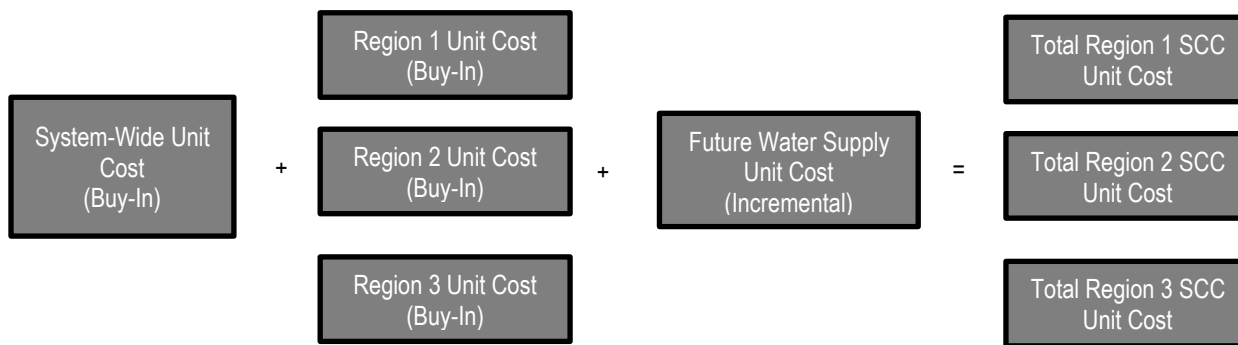


## 2.0 SYSTEM CAPACITY CHARGE UNIT COST EVALUATION

This section of the report outlines the methodology used to evaluate the SCC unit cost for each region.

In the water utility industry, there are three primary approaches used to calculate the unit cost of system capacity for development of system capacity charges. The “buy-in” method calculates the unit cost of capacity solely on the value of existing utility system assets. This approach is most appropriate for system assets with sufficient excess capacity to serve anticipated growth. The “incremental cost” method is based on the estimated cost of providing new system capacity to serve growth. Because, the District has sufficient excess capacity within its current treatment and distribution facilities for new growth but must build new dry year water supply projects for new customers, the District uses the third approach which is a combination of the first two approaches to determine a combined unit cost of capacity for inclusion in the SCC.

Figure 2-1 depicts how the District calculates SCCs on a regional basis. The system-wide unit cost and the regional unit costs are based on existing assets, and therefore the buy-in method is used. The District’s future water supply includes new capital improvement projects to expand the existing supply, and therefore uses the incremental method.

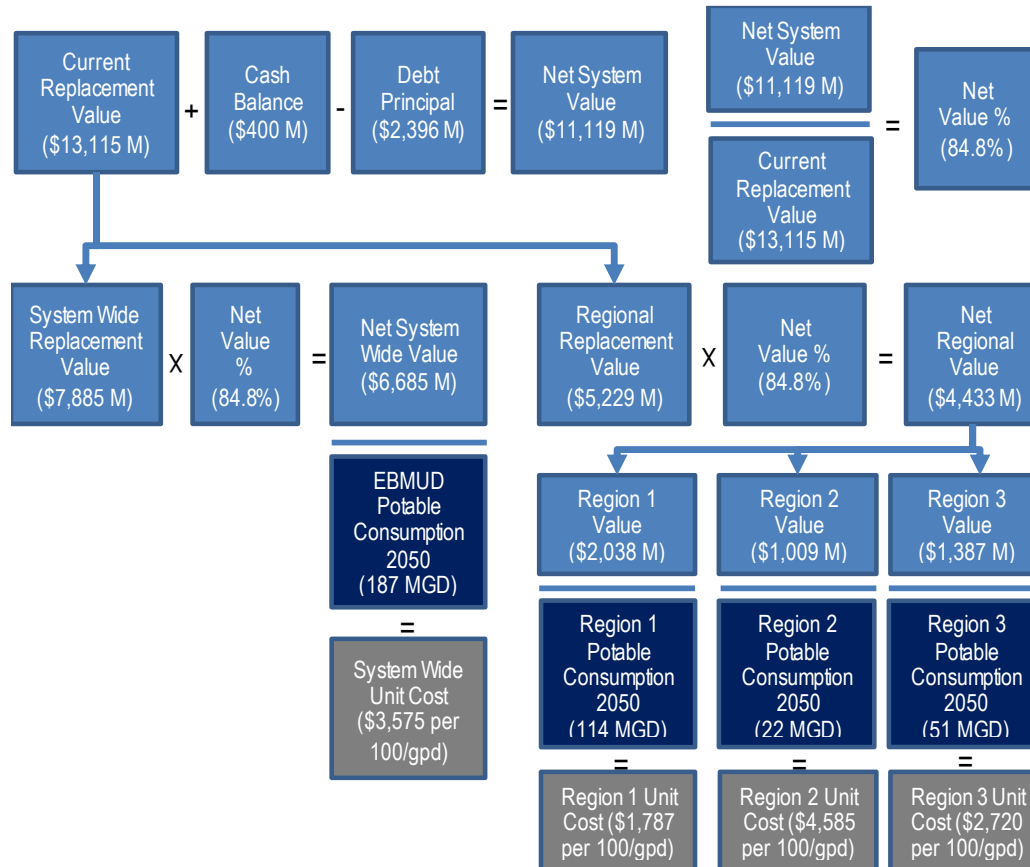


**Figure 2-1: Total SCC Unit Cost Determination**

### 2.1 SYSTEM-WIDE AND REGIONAL COSTS (BUY-IN COMPONENT)

To evaluate the value of the buy-in method components, the existing assets, available cash on hand designated for capital projects, and any outstanding debt on system assets were reviewed along with the most recent forecast of system-wide and regional water demands (forecasted potable metered consumption) from the District’s 2050 Demand Study. Figure 2-2 demonstrates the components and the steps used to calculate both the system-wide and regional unit costs. The methodology to develop these buy-in component unit costs are explained in the following sections of this report.

## EAST BAY MUNICIPAL UTILITY DISTRICT - WATER SYSTEM CAPACITY CHARGE STUDY



**Figure 2-2: System Wide and Regional Unit Cost Determination**

The District provided Stantec an asset register for the water system which included an asset identification number, description, service date, original cost, the expected useful life, accumulated depreciation, salvage value, and the net book value for each asset installed through June 30, 2019. The District's system asset register was used to calculate the value of each class of asset, as well as distinguish between the individual assets that serve the entire service area or specifically serve an individual region.

The District has historically used a replacement cost approach for valuing all existing system assets, which takes the original cost of the asset then inflates the value to current dollars using the ENR index. This study proposes to retain the replacement cost asset valuation approach for long lived assets that are not being actively replaced such as terminal reservoirs, reclamation facilities, the Freeport project, and land. For facilities that are actively being replaced, such as pipelines, pumping plants, distribution reservoirs, and equipment, we recommend that the replacement costs of these assets be adjusted to reflect their estimated remaining useful life (based on age, existing condition and the typical useful life of the asset). Additionally, while the District's distribution mains and aqueducts have an average accounting useful life of 65-years and 75-years respectively, many of these assets have a much longer useful life in practice. To account for this, we recommend utilizing a 100-year useful life for these assets. Laterals and water meters only provide benefits to individual customers are excluded from the SCC system and regional asset analysis. Table 2-1 documents each of the assets by type, the original cost, valuation

## EAST BAY MUNICIPAL UTILITY DISTRICT - WATER SYSTEM CAPACITY CHARGE STUDY

approach updated per Stantec's recommendations, and the resulting asset value used in the analysis. The sum of the value of the asset classes yields the total current asset replacement value.

**Table 2-1: Summary of Asset Valuation by Asset Type**

| Account      | Description                 | Original Cost          | Valuation Approach | Systemwide or Regional | Asset Value in Analysis |
|--------------|-----------------------------|------------------------|--------------------|------------------------|-------------------------|
| 1001         | Auto Control System         | \$ 69,616,886          | RCN                | Systemwide             | \$ 154,642,381          |
| 1005         | Hydroelectric Power Gen.    | 50,165,544             | RCN                | Systemwide             | 164,047,498             |
| 1007         | General Facilities & Equip. | 3,002,422              | RCN                | Systemwide             | 3,959,911               |
| 1015         | Source of Water Supply      | 116,244,212            | RCN                | Systemwide             | 881,552,215             |
| 1025         | Raw Water Transmission      | 326,793,370            | RCN                | Systemwide             | 2,696,194,198           |
| 1060         | Raw Water Trans Pump        | 40,844,897             | RCN                | Systemwide             | 345,227,796             |
| 1080         | Terminal Reservoirs         | 193,360,238            | RCN                | Systemwide             | 1,037,966,685           |
| 1090         | Reclamation Facilities      | 111,457,846            | RCN                | Systemwide             | 184,510,160             |
| 1100         | Water Treatment             | 379,876,736            | RCN                | Regional               | 1,143,923,058           |
| 1130         | Distribution Pumping        | 176,813,081            | RCNLD              | Regional               | 219,842,897             |
| 1140         | Distribution Reservoirs     | 338,690,760            | RCNLD              | Regional               | 529,167,785             |
| 1166         | Distribution Mains          | 1,133,134,095          | RCNLD              | Regional               | 2,836,247,463           |
| 1170         | Distribution Aqueducts      | 89,169,460             | RCNLD              | Regional               | 159,023,872             |
| 1175         | Pressure Regulators         | 30,625,255             | RCN                | Regional               | 89,505,607              |
| 1180         | Venturi Meters              | 6,032,937              | RCN                | Regional               | 18,699,944              |
| 1185         | Distribution Hydrants       | 55,112,392             | RCN                | Regional               | 232,902,753             |
| 1200         | General Plant Structures    | 217,567,238            | RCN                | Systemwide             | 469,295,872             |
| 1205         | Equipment-Trans & Constr.   | 50,498,327             | RCNLD              | Systemwide             | 50,275,350              |
| 1210         | Equipment-Office            | 19,922,148             | RCNLD              | Systemwide             | 3,295,337               |
| 1215         | Equipment- Eng. & Labor     | 3,699,288              | RCNLD              | Systemwide             | 374,794                 |
| 1220         | Equipment-Tools & Work      | 4,516,067              | RCNLD              | Systemwide             | 1,134,214               |
| 1225         | Equipment- Stores           | 7,894                  | RCNLD              | Systemwide             | 9,406                   |
| 1230         | Equipment- Shop             | 1,688,016              | RCNLD              | Systemwide             | 892,489                 |
| 1240         | Non-Operative Property      | 1,397,142              | RCN                | Systemwide             | 5,833,705               |
| 1245         | Recreational Facilities     | 68,448,912             | RCN                | Systemwide             | 111,704,109             |
| 1300         | Land Source of Supply       | 7,832,091              | RCN                | Systemwide             | 113,246,007             |
| 1310         | Land Raw Water Trans        | 3,710,592              | RCN                | Systemwide             | 53,910,171              |
| 1315         | ROW Raw Water Trans         | 1,229,538              | RCN                | Systemwide             | 3,691,660               |
| 1320         | Land Terminal Reservoirs    | 18,931,841             | RCN                | Systemwide             | 227,461,099             |
| 1330         | Land Water Treatment        | 2,974,390              | RCN                | Systemwide             | 22,292,870              |
| 1340         | Land Reclamation            | 2,174,793              | RCN                | Systemwide             | 4,572,465               |
| 1350         | Land Distribution           | 7,928,007              | RCN                | Systemwide             | 66,126,240              |
| 1355         | Land                        | 1,737,088              | RCN                | Systemwide             | 4,758,236               |
| 1360         | Land General Plan           | 7,714,529              | RCN                | Systemwide             | 33,118,514              |
| 1370         | Land                        | 990,966                | RCN                | Systemwide             | 22,358,708              |
| 1910         | Unallocated As-Built Costs  | 10,304,085             | RCN                | Systemwide             | 20,679,581              |
| 1911         | Deferred Software Costs     | 66,439,595             | RCN                | Systemwide             | 116,044,022             |
| 1981         | Watershed Master Plan       | 5,900,230              | RCN                | Systemwide             | 11,512,918              |
| 1985         | Lab Expansion Costs         | 8,874,204              | RCN                | Systemwide             | 17,935,857              |
| 1988         | Engineering & Env. Studies  | 74,404,275             | RCN                | Systemwide             | 197,250,866             |
|              | DERWA                       | 84,784,101             | RCN                | Systemwide             | 60,441,633              |
|              | Freeport                    | 410,009,849            | RCN                | Systemwide             | 276,032,066             |
|              | CWIP                        | 522,919,362            | RCN                | Systemwide             | 522,919,362             |
| <b>TOTAL</b> |                             | <b>\$3,525,262,123</b> |                    |                        | <b>\$13,114,581,773</b> |

District staff identified which assets serve specific regions and which assets serve all customers to allow for determination of the systemwide and regional costs. Allocation factors were generated based on the proportionate value of the regional assets obtained from the prior SCC regional asset report (**Error! Not a**

## EAST BAY MUNICIPAL UTILITY DISTRICT - WATER SYSTEM CAPACITY CHARGE STUDY

valid bookmark self-reference.)Error! Reference source not found.. These allocation factors were used to distribute the value of the asset types shown in each region.

**Table 2-2: Regional Asset Value Allocation Factors**

| Account | Description             | Region 1 | Region 2 | Region 3 |
|---------|-------------------------|----------|----------|----------|
| 1100    | Water Treatment         | 49.5%    | 16.3%    | 34.2%    |
| 1130    | Distribution Pumping    | 19.6%    | 34.1%    | 46.4%    |
| 1140    | Distribution Reservoirs | 27.4%    | 36.7%    | 35.9%    |
| 1166    | Distribution Main       | 48.6%    | 21.3%    | 30.1%    |
| 1170    | Distribution Aqueducts  | 79.4%    | 20.6%    | 0.0%     |
| 1175    | Pressure Regulator      | 26.2%    | 60.9%    | 12.8%    |
| 1180    | Venturi & Cathodic      | 62.3%    | 5.4%     | 32.2%    |
| 1185    | Distribution Hydrants   | 47.8%    | 17.1%    | 35.1%    |

The net system value was then calculated by adding the District's capital reserve cash balance, net the outstanding principal on current debt, to arrive at the current asset replacement value (Table 2-3). The current replacement value was then divided by the net system value to calculate the net value percentage.

**Table 2-3: Net System Value Calculation**

| Buy-In Component   | Value                    |
|--|--------------------------|
| System Assets  | \$ 13,114,581,773        |
| Capital Reserve Cash Balance                             | 400,111,000              |
| Outstanding Principal on Debt                            | (2,396,190,000)          |
| <b>Net System Value</b>                                  | <b>\$ 11,118,502,773</b> |
| <b>Net System Value as a Percentage of System Assets</b> | <b>84.8%</b>             |

The current asset replacement value of the system-wide assets and the respective regional assets were then multiplied by the net value percentage to calculate the respective net system-wide and net regional values (Table 2-4).

**Table 2-4: Net System Value Calculation by Service Area**

| Service Area                  | Replacement Value        | Net Value % | Net Value                |
|-------------------------------|--------------------------|-------------|--------------------------|
| System Wide Replacement Value | \$ 7,885,268,394         | 84.8%       | \$ 6,685,106,702         |
| Region 1 Replacement Value    | 2,403,566,343            | 84.8%       | 2,037,736,278            |
| Region 2 Replacement Value    | 1,189,696,740            | 84.8%       | 1,008,621,299            |
| Region 3 Replacement Value    | 1,636,050,295            | 84.8%       | 1,387,038,493            |
| <b>Total Value</b>            | <b>\$ 13,114,581,773</b> |             | <b>\$ 11,118,502,773</b> |

Finally, the system unit cost (expressed in dollars per hundred gallons per day) is calculated by dividing net values (Table 2-4) by the total estimated demand for each respective service area. These estimated demands were based on the District's 2050 Demand study, which projected water demands for the entire District and for each region between 2020 and 2050. The projected net system-wide demand for 2050 is

187 million gallons per day (MGD). Dividing net system-wide and regional values by their respective system demands allows for the determination of the unit costs (Table 2-5).

**Table 2-5: Unit Cost Calculation by Service Area**

| Service Area                  | Net Value        | Potable Consumption Estimate (MGD) | Unit Cost (\$/100 gpd) |
|-------------------------------|------------------|------------------------------------|------------------------|
| System Wide Replacement Value | \$ 6,685,106,702 | 187                                | \$ 3,575               |
| Region 1 Replacement Value    | \$ 2,037,736,278 | 114                                | \$ 1,787               |
| Region 2 Replacement Value    | \$ 1,008,621,299 | 22                                 | \$ 4,585               |
| Region 3 Replacement Value    | \$ 1,387,038,493 | 51                                 | \$ 2,720               |

## 2.2 FUTURE WATER SUPPLY (INCREMENTAL COMPONENT)

Historically, the calculation of the cost of future water supply projects included the portion of previously completed water supply projects that were allocated to new or upsized accounts. To be consistent throughout the calculations for the SCCs, we recommend that the cost of the completed projects be moved into the buy-in component of the SCC calculation. As a result, the new future water supply unit cost calculation is therefore simplified to only include future growth-related capital projects. These future water projects include various water recycling projects, Bayside Phase 2 Groundwater Project, and the San Joaquin Groundwater Banking Project. Table 2-6 provides a summary of the future water supply projects and their estimated cost. District Staff anticipates that these projects will produce sufficient water supplies to meet the projected 55 MGD increase in water demand by 2050.

**Table 2-6: Future Water Supply Capital Projects**

| Future Water Supply Unit Cost Components   | Total CIP             |
|--|-----------------------|
| <i>Recycled Water Projects</i>             |                       |
| San Ramon Valley Recycled Water Project    | \$ 50,000,000         |
| East Bayshore Recycled Water Project       | 130,000,000           |
| Richmond Advance Recycled Expansion (RARE) | 110,000,000           |
| Phillips 66 Refinery                       | 50,000,000            |
| <i>Groundwater Projects</i>                |                       |
| Groundwater Bayside Phase 2                | 35,900,000            |
| San Joaquin Banking Project                | 62,800,000            |
| <b>Total</b>                               | <b>\$ 438,700,000</b> |

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The cost of these future projects that are required to meet future supply requirements are divided by the increase in water demand as a result of new customers, which yields the unit cost of future water supply (

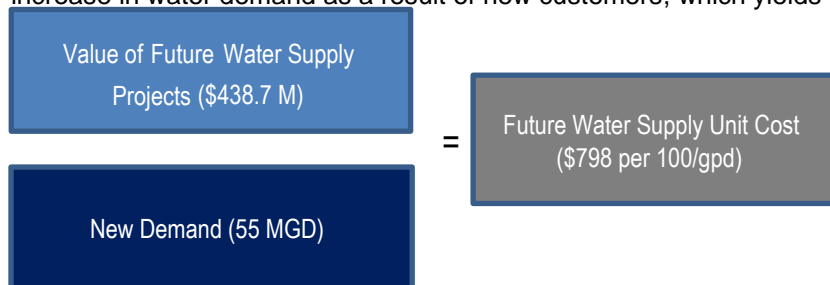
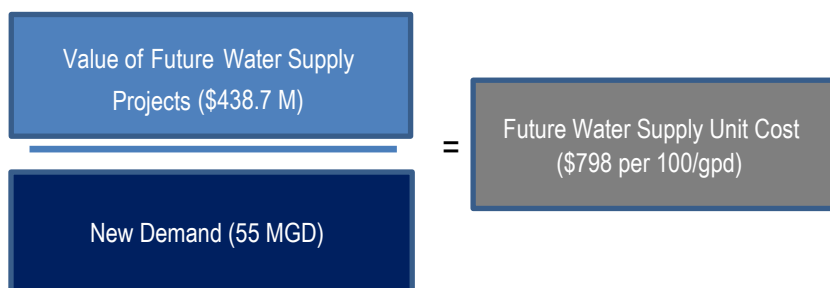


Figure 2-3). As shown in the figure, the future water supply unit cost is calculated to be \$798 per 100/gpd of new demand.



**Figure 2-3: Future Water Supply Unit Cost Determination**

The summation of the unit costs for the “buy-in” components and the “incremental” components (future water supply) provides the total unit cost for the determination of the SCC. Table 2-7 presents the breakdown of the updated FY 2022 unit costs for each of the individual SCC components based on the methodology outlined above. The current total unit costs are provided for comparison purposes. The Future Water Supply unit costs are applied equally to each SCC region because the additional water supplies benefit all SCC regions equally as additional water supplies can be distributed to all SCC regions as needed.

**Table 2-7: Updated SCC Unit Costs for FY 2022**

| Region   | Unit Costs \$/100 gpd |                 |                     |                |                |
|----------|-----------------------|-----------------|---------------------|----------------|----------------|
|          | System-Wide Buy-In    | Regional Buy-In | Future Water Supply | Total          | Current Total  |
| Region 1 | \$3,575               | \$1,787         | \$798               | <b>\$6,160</b> | <b>\$6,463</b> |
| Region 2 | \$3,575               | \$4,585         | \$798               | <b>\$8,958</b> | <b>\$8,708</b> |
| Region 3 | \$3,575               | \$2,720         | \$798               | <b>\$7,093</b> | <b>\$6,903</b> |

## 3.0 WATER USE ANALYSIS

This section of the report documents the evaluation of water usage within the District's service area by customer class and examines potential changes to the structure of SCC's for assessment of the charges.

### 3.1 BACKGROUND

**Currently, the District assesses SCCs to new customers based on an assumed average water use for single family residential, multi-family residential, and non-residential customer classes (Table 3-1 through**

Table 3-3). Single family residential customers' SCCs are presently based on the average water use for a parcel serviced by a standard 5/8" or 3/4" water meter, with charges for larger meters scaled based on an industry-standard meter equivalency schedule<sup>1</sup> up to 1 1/2". Similarly, non-residential customers' SCCs are based on the average water use for a 5/8" water meter, with charges for larger meters scaled based on the same meter equivalency schedule up to 1 1/2". All non-residential customers served by larger than 1 1/2" meter presently have their projected water use calculated on a case-by-case basis using water use information provided by the applicant. Multi-family residential customers' SCCs are presently based on an analysis of average water use per dwelling unit without considering dwelling unit size.

**Table 3-1: Current Single Family Customer Water Use (gallons per day)**

| Region   | Meter Size |     |        |
|----------|------------|-----|--------|
|          | 3/4"       | 1"  | 1 1/2" |
| Region 1 | 280        | 470 | 940    |
| Region 2 | 360        | 600 | 1,200  |
| Region 3 | 580        | 970 | 1,940  |

**Table 3-2: Current Multi-Family Customer Water Use (gallons per day)**

| Region   | Per Dwelling Unit |
|----------|-------------------|
| Region 1 | 163               |
| Region 2 | 168               |
| Region 3 | 199               |

**Table 3-3: Current Non-Residential Customer Water Use (gallons per day)**

| Region   | Meter Size |      |       |        |
|----------|------------|------|-------|--------|
|          | 5/8"       | 3/4" | 1"    | 1 1/2" |
| Region 1 | 408        | 612  | 1,020 | 2,040  |
| Region 2 | 535        | 806  | 1,350 | 2,700  |
| Region 3 | 625        | 960  | 1,600 | 3,200  |

<sup>1</sup> American Water Works Association Manual M1 Principles of Water Rates, Fees, and Charges

## 3.2 APPROACH

As part of this Study, individual bill-level water use data from 2005 to 2017 were analyzed to update typical water use characteristics for each customer class, both system-wide and in each region. This analysis included nearly 57 million data points that helped to characterize customer demands over time and across customer classes and service area regions. The District's billing data was merged with land use data, meter data, and LandVision property data. This compilation of account, usage and property data allowed water use characteristics to be analyzed for each customer class with consideration of meter size, as well as alternative charge units including number of rooms per household, number of bedrooms, building square footage, dwelling size, and irrigation area. Water demands were analyzed relative to each of these parameters using a series of statistical tests to identify statistically significant relationships and representative billing units. These tests and other considerations were applied to the District's current approach to estimating usage for the basis of the SCCs as well as alternatives to arrive at the recommended basis for estimating usage within the charge, shown in Table 3-4.

**Table 3-4: Existing Charge Basis, Alternatives Considered, and Recommended Basis**

| Current Basis for Charge   | Alternative Basis for Charge Considered   | Recommended Basis for Charge  |
|--|---|---|
| <b>Single Family</b> <ul style="list-style-type: none"> <li>Average usage at 3/4-inch meter for each region</li> <li>Scale with meter equivalencies</li> <li>Fixture counts to determine appropriate meter size</li> </ul>   | <b>Single Family</b> <ul style="list-style-type: none"> <li>Meter size</li> <li>Square feet</li> <li>Bedrooms</li> <li>Rooms</li> </ul>                                   | <b>Single Family</b> <ul style="list-style-type: none"> <li>Average usage observed per meter size for each region.</li> <li>Fixture counts to determine appropriate meter size</li> </ul>   |
| <b>Multiple Family</b> <ul style="list-style-type: none"> <li>Average usage per dwelling unit</li> </ul>   | <b>Multiple Family</b> <ul style="list-style-type: none"> <li>Dwelling unit size</li> <li>Square feet</li> <li>Bedrooms</li> <li>Rooms</li> <li>Dwelling units</li> </ul> | <b>Multiple Family</b> <ul style="list-style-type: none"> <li>Average usage per dwelling unit for small (&lt;500 square foot) and standard (&gt;500 square feet) sized units</li> </ul>     |
| <b>Non-Residential</b> <ul style="list-style-type: none"> <li>Average usage at 5/8-inch meter for each region</li> <li>Scale with meter equivalencies</li> <li>Fixture counts to determine appropriate meter size</li> </ul> | <b>Non-Residential</b> <ul style="list-style-type: none"> <li>Meter size</li> <li>Square feet</li> </ul>  | <b>Non-Residential</b> <ul style="list-style-type: none"> <li>Average usage observed per meter size for each region.</li> <li>Fixture counts to determine appropriate meter size</li> </ul> |

Demand characteristics were primarily evaluated using a series of analysis of variance (ANOVA) tests to understand the true differentiation between customer usage characteristics relative to the potential charge parameters described above. While customer demands are often established by simply calculating the average water demand for, say, every meter size, use of the ANOVA test determines whether these differences in mean water demands at each meter size are statistically significant or simply "a matter of



chance.” This is similar to the commonly used t-test but can be expanded to evaluate more than two group in an individual test. For example, testing differences in mean water usage relative to meter size using t-tests would require comparing each meter size to every other meter size in individual t-tests in a pairwise manner. Alternatively, the ANOVA test compares the mean water use for each meter size pairing in a single test to determine the statistical significance of the differences in each group’s mean water usage. The ANOVA test was used to compare across potential charge parameters and across service area regions.

When analyzing water usage characteristics, it is almost universally true that water consumption is not normally distributed, meaning the distribution of consumption per account is not symmetrical around the mean. Rather, a distribution with a long tail to the right for high-volume users is observed, indicating a positive skew. While this is typical for most, if not all, water service providers, it is worth noting that the mean usage for each customer type and for each of the billing parameters evaluated is still an appropriate indicator of typical usage for purposes of the SCC. This is supported by three key factors:

- The amount of skew is similar across SCC regions, meaning no particular region of the service area is disproportionately impacted,
- The SCC is intended to account for both typical AND potential water usage of a new applicant as opposed to simply the most common usage level, which is why similar charges are often assessed based on meter capacity, and
- The use of median water usage for new applicants would under-assign water usage to new customers and lead to discrepancies between the usage per applicant and the total usage from all new applicants.

Additional consideration was given to the viability of actually charging SCCs based on the parameters listed in Table 3.4. Discussions of charge viability focused primarily on the following considerations:

- **Statistical significance** – As discussed above, testing for statistical significance in the differences in demand characteristics between customer types provided confidence that average demands for each group were in fact different and not caused by noise in the data.
- **Data reliability** – Because the analysis involved a large amount of data from various sources, consistency and reliability of the data were important considerations to provide confidence that the demands relative to potential charge parameters (e.g., number of rooms, square footage, meter size, etc.) could be accurately measured and evaluated.
- **Administrative burden** – The anticipated level of effort required to implement and assess charges based on each of the potential billing parameters was an important consideration to ensure the District could effectively and efficiently determine the SCCs to be charged to new developments.

### 3.3 CUSTOMER CLASS USAGE RESULTS AND RECOMMENDATIONS

Based on the results of the ANOVA testing and consideration of the factors listed above, charge parameters and water usage levels were determined for each customer class. These parameters are described below.

For single family residential customers, the current approach of assessing charges based on meter size continues to be the recommended approach. However, water use characteristics were analyzed to determine actual average water use by each meter size which would be used to determine the SCC for each SFR meter size. This recommended alternative approach replaces the existing approach of scaling the average demand for meters greater than 3/4" based on a meter equivalency schedule and uses the most up-to-date data to reflect current levels of water use for larger meter sizes. Since 2010, the standard SFR installation are based on 3/4" meter size.

For MFR SCC, the District uses the number of dwelling units to estimate the expected overall water use for the MFR structure rather than meter size because it provides a more detailed estimate of water use. The charge basis for multi-family residential accounts was updated to refine the previous per-dwelling unit approach. Based on detailed analysis of water demands for this class of customers, a statistically significant difference could be shown for multi-family accounts with an average dwelling unit size of less than 500 square feet (SF) and greater than 500 SF. This analysis included testing of a number of different approaches, including three tiers of dwelling unit size and various dwelling unit size breakpoints for each tier. Throughout this testing, the most consistent and statistically significant difference was found at the 500 SF per dwelling unit threshold. As such, typical water demands were estimated for small (less than 500 SF) and standard (greater than 500 SF) dwelling units, allowing for differentiation in the per-dwelling unit charge based on dwelling unit size. Observed MFR dwelling unit water use was relatively consistent between SCC regions, so the analysis of more detailed MFR water use by dwelling unit size combined the SCC regions. For the analysis, dwelling unit size data was derived from county records and linked to MFR water use.

For non-residential accounts, it was found that that typical water use consistently increased with meter size. Similar to the update for single family residential customers, it is recommended that the water demand basis for non-residential accounts be scaled for the SCC based on the calculated average water use per meter size in each region, rather scaling average water use for 5/8" meters based on a meter equivalency factor. It is recommended that the existing approach to allow for case-specific demand calculations for accounts with larger meter sizes of greater than 1 1/2" be maintained by the District because the of the variability in water use in the larger meter sizes.

The following tables present the estimated water use based on our analysis and for application within the assessment of the SCC for each customer class.

# EAST BAY MUNICIPAL UTILITY DISTRICT - WATER SYSTEM CAPACITY CHARGE STUDY

**Table 3-5: Single Family Customer Water Use (gallons per day)**

| Region   | Meter Size |     |      |
|----------|------------|-----|------|
|          | 3/4"       | 1"  | 1 ½" |
| Region 1 | 190        | 270 | 345  |
| Region 2 | 210        | 450 | 580  |
| Region 3 | 490        | 750 | 965  |

**Table 3-6: Multi-Family Customer Water Use (gallons per day)**

| Region            | Dwelling Unit Size |              |
|-------------------|--------------------|--------------|
|                   | < 500 sq. ft       | > 500 sq. ft |
| Service Area Wide | 95                 | 120          |

**Table 3-7: Non-Residential Family Customer Water Use (gallons per day)**

| Region   | Meter Size |      |       |       |
|----------|------------|------|-------|-------|
|          | 5/8"       | 3/4" | 1"    | 1 ½"  |
| Region 1 | 246        | 402  | 765   | 1,995 |
| Region 2 | 334        | 478  | 856   | 2,430 |
| Region 3 | 460        | 704  | 1,254 | 3,089 |

## 4.0 PROPOSED SYSTEM CAPACITY CHARGES AND COMPARISONS, REVENUE ESTIMATES

This section of the report documents the proposed system capacity charges based on the determination of the unit costs and the water use analysis and provides a comparison of benchmarked utilities.

### 4.1 PROPOSED SYSTEM CAPACITY CHARGES

The proposed SCCs are calculated by applying the formula shown in **Error! Reference source not found..** The unit cost for each region was multiplied by the calculated estimated water use for each customer class and meter size or dwelling unit. Table 4-1 through Table 4-3 provide a summary of the proposed SCC schedules for single family residential, multi-family residential, and non-residential customers.

**Table 4-1: Proposed Single Family Residential SCC Schedule**

| Region   | Meter Size  |          |          |
|----------|-------------|----------|----------|
|          | 5/8" & 3/4" | 1"       | 1 ½"     |
| Region 1 | \$11,705    | \$16,633 | \$21,253 |
| Region 2 | \$18,811    | \$40,309 | \$51,954 |
| Region 3 | \$34,754    | \$53,195 | \$68,444 |

**Table 4-2: Proposed Multi-Family Residential SCC Schedule**

| Region   | Dwelling Unit Size |              |
|----------|--------------------|--------------|
|          | < 500 sq. ft       | > 500 sq. ft |
| Region 1 | \$5,852            | \$7,392      |
| Region 2 | \$8,510            | \$10,749     |
| Region 3 | \$6,738            | \$8,511      |

**Table 4-3: Proposed Non-Residential SCC Schedule**

| Region   | Meter Size |          |          |           |
|----------|------------|----------|----------|-----------|
|          | 5/8"       | 3/4"     | 1"       | 1 ½"      |
| Region 1 | \$15,151   | \$24,763 | \$47,118 | \$122,871 |
| Region 2 | \$29,960   | \$42,831 | \$76,663 | \$217,654 |
| Region 3 | \$32,619   | \$49,935 | \$88,960 | \$219,086 |

Table 4-4 summarizes the current and proposed SCCs by customer class. The table demonstrates that the proposed SCCs for all customer classes are lower than the charges currently assessed by the District. For SFR, MFR and non-residential applicants, the proposed SCC will be reduced nearly all customers from as little as 5% to over 50% depending on the customer class and meter size, except for the nonresidential 1½" meter size, which will remain about the same as the current SCC.

**Table 4-4: Comparison of Current and Proposed SCCs**

| <b>Customer Type</b>        | <b>Region</b> | <b>Current SCC</b> | <b>Proposed SCC</b> |
|-----------------------------|---------------|--------------------|---------------------|
| SFR 3/4"                    | Region 1      | \$18,100           | \$11,705            |
|                             | Region 2      | \$31,350           | \$18,811            |
|                             | Region 3      | \$40,040           | \$34,754            |
| SFR 1"                      | Region 1      | \$30,230           | \$16,633            |
|                             | Region 2      | \$52,350           | \$40,309            |
|                             | Region 3      | \$66,870           | \$53,195            |
| SFR 1 ½"                    | Region 1      | \$60,460           | \$21,253            |
|                             | Region 2      | \$104,700          | \$51,954            |
|                             | Region 3      | \$133,740          | \$68,444            |
| Non-Residential 5/8"        | Region 1      | \$25,850           | \$15,151            |
|                             | Region 2      | \$46,590           | \$29,960            |
|                             | Region 3      | \$43,140           | \$32,619            |
| Non-Residential 3/4"        | Region 1      | \$38,780           | \$24,763            |
|                             | Region 2      | \$69,890           | \$42,831            |
|                             | Region 3      | \$64,710           | \$49,935            |
| Non-Residential 1"          | Region 1      | \$64,760           | \$47,118            |
|                             | Region 2      | \$116,720          | \$76,663            |
|                             | Region 3      | \$108,070          | \$88,960            |
| Non-Residential 1 ½"        | Region 1      | \$129,520          | \$122,871           |
|                             | Region 2      | \$233,440          | \$217,654           |
|                             | Region 3      | \$216,140          | \$219,086           |
| MFR per unit<br>(<500 sqft) | Region 1      | \$10,530           | \$5,852             |
|                             | Region 2      | \$14,630           | \$8,510             |
|                             | Region 3      | \$13,740           | \$6,738             |
| MFR per unit<br>(>500 sqft) | Region 1      | \$10,530           | \$7,392             |
|                             | Region 2      | \$14,630           | \$10,749            |
|                             | Region 3      | \$13,740           | \$8,511             |

While there is some variation in the unit costs by region, the primary reason for the recent and future decreases are due to the significant water use reductions, reflecting the trend of more water conservation. Like most utilities around the United States, the District has and continues to experience a reduction in per account usage due to factors such as more efficient water fixtures, economic conditions, and conservation. Table 4-5 presents a comparison of the currently-applied water use estimates and those developed in the Study.

**Table 4-5: Comparison of Existing and Proposed Water Use**

| <b>Customer Type</b>        | <b>Region</b> | <b>Current Estimated Water Use (gpd)</b> | <b>Calculated Water Use (gpd)</b> |
|-----------------------------|---------------|--|-----------------------------------|
| SFR 3/4"                    | Region 1      | 280                                      | 190                               |
|                             | Region 2      | 360                                      | 210                               |
|                             | Region 3      | 580                                      | 490                               |
| SFR 1"                      | Region 1      | 470                                      | 270                               |
|                             | Region 2      | 600                                      | 450                               |
|                             | Region 3      | 970                                      | 750                               |
| SFR 1 ½"                    | Region 1      | 940                                      | 345                               |
|                             | Region 2      | 1,200                                    | 580                               |
|                             | Region 3      | 1,940                                    | 965                               |
| Non-Residential 5/8"        | Region 1      | 408                                      | 246                               |
|                             | Region 2      | 535                                      | 334                               |
|                             | Region 3      | 625                                      | 460                               |
| Non-Residential 3/4"        | Region 1      | 612                                      | 402                               |
|                             | Region 2      | 806                                      | 478                               |
|                             | Region 3      | 960                                      | 704                               |
| Non-Residential 1"          | Region 1      | 1,020                                    | 765                               |
|                             | Region 2      | 1,350                                    | 856                               |
|                             | Region 3      | 1,600                                    | 1,254                             |
| Non-Residential 1 ½"        | Region 1      | 2,040                                    | 1,995                             |
|                             | Region 2      | 2,700                                    | 2,430                             |
|                             | Region 3      | 3,200                                    | 3,089                             |
| MFR per unit<br>(<500 sqft) | Region 1      | 163                                      | 95                                |
|                             | Region 2      | 168                                      | 95                                |
|                             | Region 3      | 199                                      | 95                                |
| MFR per unit<br>(>500 sqft) | Region 1      | 163                                      | 120                               |
|                             | Region 2      | 168                                      | 120                               |
|                             | Region 3      | 199                                      | 120                               |

## 4.2 SYSTEM CAPACITY CHARGES FOR LARGER METERS

The SCC for service connections with meters larger than 1½ inches (except for MFR which is calculated based on dwelling unit) should be determined on a case-by-case basis by the District based on water use information furnished by the applicant and applying the same unit charge basis that is applied to calculate the SCC for smaller meters shown in Table 2-7. The SCC is then determined by multiplying the total unit cost for the connection's region by the estimated water demand in units of 100 gpd, rounded to three significant units.

The District should make certain that during these individual calculations that the SCC for a meter larger than 1½ inches should never be less than the amount charged for a 1½ inch meter in the same region, consistent with the District's current practice to ensure applicants with meters larger than 1 ½" pay at least as much as customers with 1 ½' meters.

### **4.3 SCC FOR ACCESSORY DWELLING UNITS**

Since the enactment of new state laws regarding the development of ADUs and JADUs in recent years, the District has seen growth in construction of ADUs in the service area. State laws limit the District from charging an SCC and WCF for an ADU when the ADU meets certain statutory requirements under California Government Code Section 65852.2.

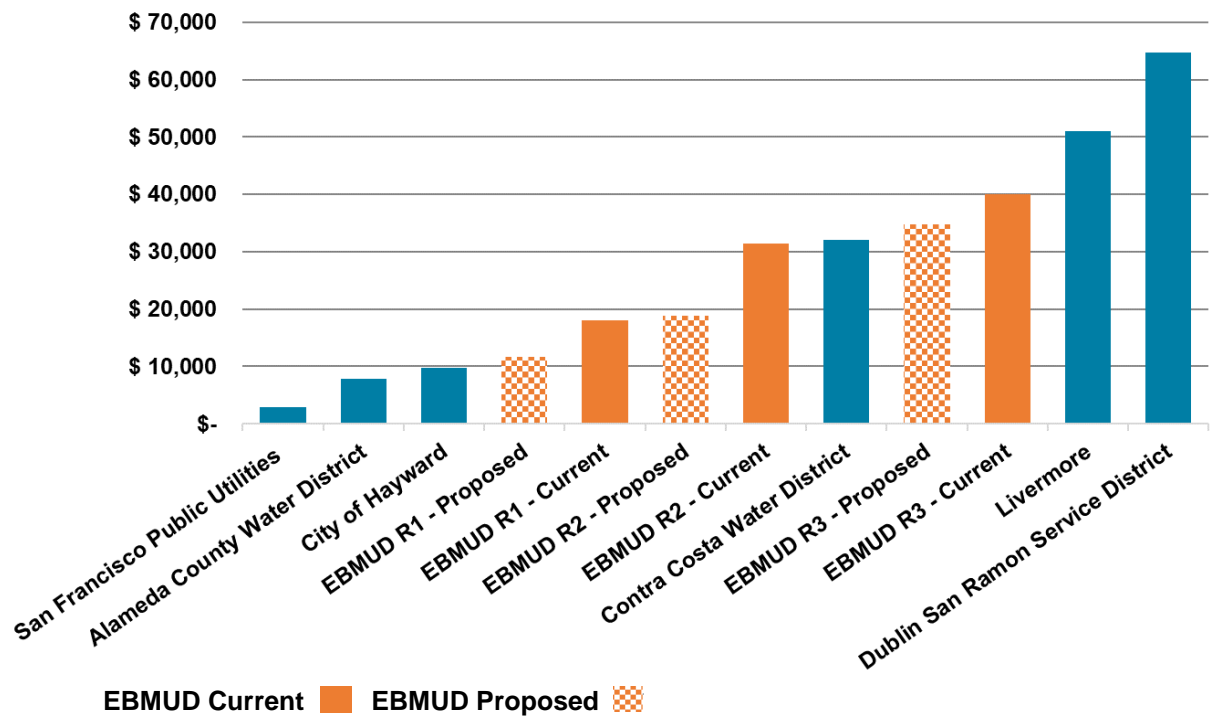
ADUs and JADUs are attached or detached units for residential purposes which are constructed as part of a single-family premises or multi-family premises as defined by California Government Code Sections 65852.2 and 65852.22. Under certain conditions described in California Government Code Section 65852.2, ADUs constructed within an existing or proposed SFR structure or other existing accessory structure are exempted from capacity charges. The current District practice is to not charge an SCC to these applicants. The District should ensure that its SCC procedures do not charge an SCC to ADUs and JADUs that meet the capacity charge exemption requirements.

For ADUs and JADUs that do not qualify for this capacity charge exemption, a capacity charge that does not exceed the estimated reasonable cost of providing the service and is of proportional benefit to the person or property being charged may be assessed, based upon either drainage fixture units (DFU) or square footage of the unit. For SFR applicants with ADUs and JADUs that do not meet the exemption requirements, the District assesses the SCC based on the meter size that is calculated from the fixture unit count of the SFR structure and the drainage fixture unit count of the ADU and JADU. For MFR applicants with ADUs and JADUs that do not meet the exemption requirements, the ADU or JADU square footage is added to the MFR dwelling unit square footage to determine the assessed MFR SCC (over 500 square feet charge or 500 square feet and under charge).

### **4.4 CAPACITY CHARGE SURVEY**

Figure 4-1 shows the current capacity charges for nearby water agencies compared to the District's SCC. Cities often consider the impact of capacity charges on their development plans and may minimize the allocation of costs to new customers resulting in lower connection charges when compared to special districts. Cities expect new development to generate benefits in increased local economic activity, taxes, and other ancillary financial benefits. As a special district, the District does not receive these types of benefits and must recover the full value of the investments in the water system made by its ratepayers. Any reduction in the revenue collected from the SCC would have to be replaced by increased water rates and/or reduced investment in future capital facilities (which would hamper the District's ability to meet future demand). Other factors that affect capacity charges include the complexity of the water system, age and condition of facilities, and amount of new capacity required to serve new customers. In addition, some agencies do not include the water supply costs in their capacity charges because they are supplied by a wholesaler.

## EAST BAY MUNICIPAL UTILITY DISTRICT - WATER SYSTEM CAPACITY CHARGE STUDY



**Figure 4-1: Survey of Single Family Capacity Charges for Customers with 3/4" Meters<sup>2</sup>**

<sup>2</sup> -SFPUC has higher retail water rates than all other utilities surveyed.

-City of Hayward's Connection Fee does not include a water supply component and they have relatively high retail water rates.

-Alameda County Water District and Contra Costa Water District have less complex systems than EBMUD.

-Dublin San Ramon Service District and Livermore both include Zone 7 charges.



## 4.5 PROJECTED IMPACT OF SCC UPDATE ON SCC REVENUE

Beginning in FY 2016, the service area has seen a high level of new development, especially in the urban core. Most of the growth has been in large MFR projects. The District experienced a reduction in new connections in FY 2020, which also coincides with the COVID-19 pandemic. It is unclear what the long-term impact of the pandemic will have on development, but a slowdown had been expected even prior to the pandemic. District staff estimate that the proposed updates to the SCC methodology will reduce the current SCC by approximately 30 percent and would have a corresponding reduction in SCC revenues collected depending on the development pattern. The District's projection for SCC revenue for FY 2022 was \$40 million under the current SCC. If the District implements the proposed SCC changes, the projected SCC revenue for the same level of development would be approximately \$28 million over the same period.

# **EXHIBIT E**

# East Bay

## Municipal Utility District

### Wastewater Cost of Service & Capacity Fee Study

Final Report / May 6, 2019







May 6, 2019

Ms. Eileen White  
Director of Wastewater  
East Bay Municipal Utility District  
375 11<sup>th</sup> Street  
Oakland, CA 94607

**Subject: Wastewater Cost of Service Rate Study & Capacity Fee Study Report**

Dear Ms. White:

Raftelis Financial Consultants, Inc. (Raftelis) is pleased to provide this report summarizing the Wastewater Cost of Service Study (COS Study) & Wastewater Capacity Fee Study (WCF Study) for the East Bay Municipal Utility District (District) to establish wastewater rates, charges, and capacity fees that are consistent with applicable law.

The major objectives of the Cost of Service Study include the following:

- )] Review the District's current wastewater rate structures.
- )] Conduct a cost of service analysis for wastewater rates and charges subject to Proposition 218.
- )] Review and update the detailed cost allocations for the unit processes at the Main Wastewater Treatment Plant (MWWTP).
- )] Evaluate alternative methods of measuring wastewater strength and recommend a method.
- )] Review domestic strength concentration to reflect reduced flows at plant.
- )] Review allocation of wet weather costs to reflect the costs of I&I into the plant.
- )] Develop fair and equitable wastewater user charges.
- )] Validate cost of service methodology and calculation of wastewater charges.
- )] Demonstrate the impacts of the proposed wastewater user charges on typical customer bills.

The major objectives of the Wastewater Capacity Fee Study include the following:

- )] Review the existing Wastewater Capacity Fee (WCF) and update as needed.
- )] Increase transparency and simplify the administration of the WCF.

The Report summarizes the key findings and recommendations related to the development of the Wastewater Cost of Service Study and the Wastewater Capacity Fee Study.

It has been a pleasure working with you, and we thank you and the District staff for the support provided during the course of these studies.

Sincerely,

A handwritten signature in black ink, appearing to read 'Sanjay'.

**Sanjay Gaur**  
*Vice President*

A handwritten signature in black ink, appearing to read 'Hannah Phan'.

**Hannah Phan**  
*Manager*

A handwritten signature in black ink, appearing to read 'Lauren Demine'.

**Lauren Demine**  
*Consultant*

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# Glossary

|   |  |
|---|--|
| Ad Valorem Bond Levy                    | A tax based on the assessed value of real estate with the proceeds designated to pay for municipal bonds   |
| American Water Works Association (AWWA) | American Water Works Association is the largest nonprofit, scientific and educational association dedicated to managing and treating water   |
| BCC                                     | Business Classification Code. EBMUD classification system of non-residential customers based on the type of business operated, and on the 1972 Standard Industrial Classification Manual   |
| Capacity Charges                        | A fee assessed for new connections to the wastewater system to recover the appropriate share of the cost of capital improvements to serve new and expanded connections   |
| Capital Expenses                        | Expenditures for capital assets  |
| CCF                                     | Centum Cubic Feet. Volume equal to 100 cubic feet or 748 gallons.  |
| Chemical Oxygen Demand (COD)            | Measurement of the amount of organic compounds in wastewater that can be oxidized chemically, typically expressed in milligrams per liter (mg/l)   |
| Chemical Oxygen Demand Filtered (CODf)  | Measurement of the amount of organic compounds in wastewater expressed in milligrams per liter (mg/l). CODf is the fraction of total COD measured from a wastewater sample filtered through a 1.5 micron filter..  |
| Commodity Charge                        | Charge for per unit of water (ccf) consumed  |
| COS                                     | Cost of Service  |
| Debt Service                            | The principal and interest payments on debt issued   |
| Depreciation                            | A reduction in the value of an asset with the passage of time.   |
| Domestic Strength - Wastewater          | Concentration of COD/CODf and TSS assigned to domestic strength discharges   |
| EBMUD                                   | East Bay Municipal Utility District  |
| Effluent                                | Outflow from a wastewater treatment plant  |
| Fixed Charge                            | Portion of the customer monthly charge that does not vary with water use. For wastewater charges, sometimes referred to as the service charge.   |
| Flow - Wastewater                       | Volume (ccf) for a given billing period that is used to calculate the wastewater charge  |
| Headworks                               | “Head of the works” of a wastewater treatment plant, which serves as the first step in treatment and incorporates a system of screens, filters, detritors, and classifiers to remove large solids, grit, and other debris from the influent wastewater.  |
| Infiltration                            | Water other than wastewater that enters a sewer system during wet weather conditions from the ground through such means as defective pipes, pipe joints, connections or Maintenance Holes.   |
| Inflow                                  | Water other than wastewater that enters a sewer system during wet weather conditions from illicit or unpermitted sources other than Infiltration, such as, but not limited to, roof leaders, foundation drains, yard drains, area drains, drains from springs and swampy areas, Maintenance Hole covers, cross connections between storm sewers and sanitary sewers, catch basins, cooling towers, storm water, surface runoff, street wash waters, or drainage. |

|   |  |
|---|--|
| Infiltration and Inflow (I&I)             | All water from both Infiltration and Inflow without distinguishing the source.   |
| Influent                                  | Inflow to a wastewater treatment plant.  |
| Loadings - Wastewater                     | Amount of wastewater flow and strength in the influent   |
| MWWTP                                     | Main Wastewater Treatment Plant  |
| Million Gallons Per Day (MGD)             | Equal to 1 million gallons over the period of one day  |
| MFR                                       | Multi-Family Residential. Customer Class for multi-dwelling residential buildings (up to 4 dwelling units per building) without individual water meters. Multi-dwelling residential units with 5 or more dwelling units per building without individual meters are considered non-residential for wastewater billing purposes. |
| Non-Residential - Wastewater              | Customers who are not in the Single Family or Multi-Family customer classes for wastewater billing purposes  |
| Operations and Maintenance (O&M) Expenses | Expenditures for daily operations and maintenance of the wastewater system   |
| Plant Balance                             | An estimation of the wastewater flow and wastewater strength from all types of wastewater customers that is then aggregated and checked (balanced) against the total flow and strength measured at the plant.  |
| Proposition 218                           | Constitutional amendment passed in 1996 that creates procedural and substantive limitations for adopting new or increased property related fees, charges, or assessments, and reinforces voter approval requirements for new, increased, or extended taxes.  |
| Proposition 26                            | Constitutional amendment passed in 2010 that exempts certain fees and charges from the definition of a “tax” for purposes of voter approval, including fees or charges for services or products provided by a local government.  |
| Rate Revenue Requirement                  | The portion of annual operating, maintenance and capital-related expenses that must be recovered from annual wastewater rates and charges  |
| RCLD                                      | Replacement Cost Less Depreciation   |
| Reserves                                  | District cash that is not part of current year revenues  |
| Residential - Wastewater                  | Customers in the single-family residential or multi-family residential customer class for the purpose of wastewater billing  |
| Resource Recovery (R2)                    | Trucked waste program  |
| Revenue Offsets                           | Non-wastewater revenue that is used to pay a portion of the annual operating, maintenance and capital related expenses   |
| Revenue Requirement                       | The annual revenue needed to fund operating, maintenance, and capital-related expenses that are required to provide wastewater service   |
| Raftelis                                  | Raftelis Financial Consultants   |
| Service Charge - Wastewater               | Fixed monthly wastewater charge  |
| Sewer Lateral                             | Pipe or pipes and appurtenance that carry sewage and liquid waste from any building or facility that is required to be provided with public sewer service, or that is actually provided with public sewer service, to the sanitary sewer main  |
| SFR                                       | Single Family Residential. Residential customers with one dwelling unit with an individual water meter   |

|                               |  |
|-------------------------------|--|
| Strength - Wastewater         | COD/CODf and TSS component of a wastewater customer's discharge  |
| Test Year                     | A full year of actual functionalized expense data available at the time the study commenced and a representative year for the District.  |
| Total Suspended Solids (TSS)  | Measurement of solid materials, including organic and inorganic, that are suspended in wastewater, typically expressed in mg/l   |
| WEF                           | Water Environment Federation. The Water Environment Federation provides technical education and training for water quality professionals who clean water and return it safely to the environment |
| WCF                           | Wastewater Capacity Fee  |
| Wet Weather Facilities Charge | Wastewater charge collected on the property tax bill to fund the capital facilities designed to meet peak wet weather flows that are in excess of normal wastewater discharge                    |
| W&C                           | Woodard & Curran   |

# 1. Executive Summary

## 1.1. Introduction

In June 2018, East Bay Municipal Utility District (District) engaged Raftelis Financial Consultants, Inc. (Raftelis) to conduct two studies: (1) a cost of service (COS) study for the District's wastewater rates and charges subject to Proposition 218; and (2) and a capacity fee study of the District's Wastewater Capacity Fee (WCF), which is not subject to Proposition 218, but is governed by other laws including Government Code Section 66013.

This report documents the resultant findings, analyses, and proposed changes to the wastewater rates, charges and capacity fees from these studies in two Parts:

- Part I of this report summarizes the COS Study. The purpose of the COS Study is to evaluate and update wastewater rates and charges to reflect increased costs and/or new or changed conditions, in accordance with the requirements of Proposition 218.
- Part II of this report summarizes the WCF Study. The purpose of the WCF Study is to review and update the Wastewater Capacity Fee in accordance with the rules and regulations of California State Assembly Bill 1600 (AB 1600) applicable to capacity fees and connection fees and, specifically, Government Code Section 66013.

This report is formal technical documentation in support of modifications to the wastewater rates and capacity fees.

## 1.2. Part I: Wastewater Cost of Service Study

### 1.2.1. INTRODUCTION

The District's wastewater charges have defined three customer classes: single-family residential (SFR), multi-family residential (MFR), and non-residential. Non-residential customers are further classified based on the type of business operated and assigned into Business Classification Codes (BCC) based on common characteristics of wastewater contributed to the system, including flow and strength. Together, the rates for the components of the wastewater service fees are structured to proportionately recover the costs of providing wastewater services among the various customer classes.

As described in this report, the rates for the wastewater fees have five components: a Service Charge, a Flow Charge, a Strength Charge, a San Francisco (SF) Bay Pollution Prevention Fee, and a Wet Weather Facilities Charge.

### 1.2.2. LEGAL FRAMEWORK FOR COST OF SERVICE STUDY

In November 1996, California voters approved Proposition 218, which amended the California Constitution by adding Article XIII C and Article XIII D. Article XIII D placed substantive limitations on the use of the revenue collected from property-related fees and on the amount of the fee that may be imposed on each parcel. Additionally, it established procedural requirements for imposing new, or increasing existing, property-related fees. The California Supreme Court has determined that water and wastewater service fees are property-related fees subject to Proposition 218. The COS Study evaluated and updated the wastewater rates and charges in accordance with the requirements of Proposition 218, as summarized in Sections 2.2 herein.

### 1.2.3. COST OF SERVICE PROCESS AND METHODOLOGY

For the wastewater COS analysis, Raftelis followed the guidelines for allocating costs detailed in the Water Environment Federation (WEF) Manual of Practice No. 27, Financing and Charges for Wastewater Systems, 2004. The wastewater COS analysis consists of six major steps, as outlined below:

1. Conduct a plant balance analysis to estimate the flows and strength characteristics of each customer class.
2. Functionalize Operations and Maintenance (O&M) expenses and capital costs into functional categories such as Treatment, Billing and Customer Service.
3. Allocate each functional category into cost components such as Infiltration and Inflow (I&I), Flow, Strength, Billing and Customer Service.
4. Develop customer class characteristics by cost component.
5. Calculate the cost component unit rates by dividing the total cost in each cost component in Step 3 by the customer class characteristics in Step 4.
6. Calculate the cost for each customer class by multiplying the unit cost in Step 5 by the customer class characteristics in Step 4.

The COS analyses were performed using the data from the District for fiscal year 2017 (FY 2017)<sup>1</sup>, henceforth referred to as the Test Year. This was a full year of actual functionalized expense data available at the time the COS Study commenced and was a representative year for the District. Required adjustments were made to Test Year rates and charges based on the District FY 2017 actuals for development of updated FY 2017 rates and charges presented here. The results of the COS analyses were used for the new revenue requirements for FY 2020 and FY 2021 to calculate the proposed FY 2020 and FY 2021 rates and charges.

### 1.2.4. COST OF SERVICE ANALYSIS

To calculate fair and equitable rates so that users pay in proportion to the cost of providing service, Raftelis allocated the total revenue requirements to wastewater flow, chemical oxygen demand (COD), and total suspended solids (TSS) consistent with the previously identified WEF/industry guidelines. Since wastewater flow or volumes are not directly measured for each customer, District staff estimated the wastewater flows and loadings (flow, COD, and TSS) for each customer class through a plant balance analysis, which is used to estimate and validate the wastewater loadings (flow, COD, and TSS) generated by each customer class. Unit costs are calculated for flow, COD, and TSS and cost responsibility is assigned to various customer classes in proportion to their loadings. Costs to serve different customer classes are determined; rates are then designed to proportionately recover the costs in compliance with Proposition 218 requirements, which are described in more detail in Section 2.2.1.

### 1.2.5. OBJECTIVES OF THE COST OF SERVICE STUDY

In reviewing the District's existing rates and charges, Raftelis discussed a number of considerations with staff and the following items were identified as primary objectives of the cost of service study.

1. Review the District's current wastewater rate structures.
2. Conduct a cost of service analysis for wastewater rates and charges subject to Proposition 218.
3. Review and update the detailed cost allocations for the unit processes at the Main Wastewater Treatment Plant (MWWTP).

---

<sup>1</sup> The District's fiscal year begins on July 1<sup>st</sup> and ends on June 30<sup>th</sup>. "FY 2017" refers to the 12-months ending June 30, 2017.

4. Evaluate alternative methods of measuring wastewater strength and recommend a method.
5. Review domestic strength concentration to reflect reduced flows at plant.
6. Review allocation of wet weather costs to reflect the costs of I&I into the plant.
7. Develop fair and equitable wastewater user charges.
8. Validate cost of service methodology and calculation of wastewater charges.
9. Demonstrate the impacts of the proposed wastewater user charges on typical customer bills.

### **1.2.6. COST OF SERVICE RESULTS**

Through the COS analysis process described in Section 1.2.3 above, the significant outcomes of the wastewater COS analysis are as follows:

1. The detailed cost allocations for the unit processes at the MWWTP were reviewed and updated by Woodard & Curran (W&C) to ensure that they were accurate. This update resulted in very minor changes.
2. The District changed the wastewater strength measure from Chemical Oxygen Demand filtered (CODf) to Chemical Oxygen Demand (COD). CODf was originally used for industrial high strength customers; however, the majority of these customers have left the District's service area. A survey of major wastewater agencies determined that most use COD as their strength measurement. The decision to switch to COD makes the District more consistent with other larger agencies and allows for easier rate comparisons with neighboring communities.
3. Sampling results indicated that residential strengths are lower than those assumed in the 2015 COS Study. Lower influent strength measured at the MWWTP also confirmed lower strength for residential customers and non-residential customers. However, the decrease in the residential strengths were larger than those for non-residential which resulted in a shift in the proportion of costs from residential to non-residential users causing non-residential flow and strength charges to increase.
4. Adjustments were made to the Wet Weather Facilities Charge to more accurately reflect the costs of the program. The COS analysis indicated a small increase in the I&I costs relative to the treatment flow and strength for the Test Year.

### **1.2.7. PROPOSED WASTEWATER RATES**

Based on our review, Raftelis recommends that the District retain its current wastewater user charge structure. This structure includes monthly fixed service and strength charges, a flow charge per ccf based on water usage with a maximum of nine (9) hundred cubic feet (ccf) per month for residential customers. A maximum charge of nine (9) ccf per month is used because an analysis of the District's billing records shows that about 97 percent of all residential customers' winter water use is at or below this amount. As such, this amount provides a reasonable estimate of wastewater discharge.

Residential customers consist of SFR and MFR up to a fourplex. The current rate structure is familiar to customers and encourages conservation while providing revenue stability to the District.

Under the current rate structure, non-residential customers are assessed a monthly fixed service charge and a flow charge per ccf based on their BCC.

Table 1-1 and Table 1-2 show the proposed wastewater rates for residential and non-residential customers, respectively, with the COS adjustments for FY 2017 and proposed rates for FY 2020 and FY 2021.



**Table 1-1: Proposed Updated FY 2017 and Proposed FY 2020 & FY 2021 Wastewater User Charges – Residential (Single Family and Multi-Family up to a fourplex)**

|  | FY 2017 | FY 2020 | FY 2021 |
|--|---------|---------|---------|
| Service Charge (per account)                   | \$6.12  | \$7.02  | \$7.30  |
| Strength Charge (per dwelling unit)            | \$6.37  | \$7.31  | \$7.60  |
| Minimum monthly charge per household           | \$12.49 | \$14.33 | \$14.90 |
| Plus: A flow charge per ccf (maximum of 9 ccf) | \$1.11  | \$1.27  | \$1.32  |
| Minimum monthly charge at 0 units              | \$0.00  | \$0.00  | \$0.00  |
| Maximum monthly charge at 9 units              | \$9.99  | \$11.43 | \$11.88 |
| <b>Total Residential Charge</b>                |         |         |         |
| Minimum monthly charge                         | \$12.49 | \$14.33 | \$14.90 |
| Maximum monthly charge                         | \$22.48 | \$25.76 | \$26.78 |
| Average monthly charge at 6 ccf                | \$19.15 | \$21.95 | \$22.82 |

**Table 1-2: Proposed Updated FY 2017 and Proposed FY 2020 & FY 2021 Wastewater User Charges – Non-Residential**

|  | FY 2017 | FY 2020 | FY 2021 |
|--|---------|---------|---------|
| Monthly Service Charge (per meter)   | \$6.12  | \$7.02  | \$7.30  |
| Treatment charge including flow processing (per ccf of sewage discharge)                           |         |         |         |
| <b><u>BUSINESS CLASSIFICATION CODE (BCC)</u></b>   |         |         |         |
| Meat Products  | \$7.74  | \$8.90  | \$9.24  |
| Slaughterhouses  | \$7.41  | \$8.50  | \$8.83  |
| Dairy Product Processing   | \$6.07  | \$6.98  | \$7.25  |
| Fruit and Vegetable Canning  | \$4.89  | \$5.61  | \$5.83  |
| Grain Mills  | \$4.87  | \$5.58  | \$5.80  |
| Bakeries (including Pastries)  | \$8.41  | \$9.65  | \$10.03 |
| Sugar Processing   | \$4.81  | \$5.53  | \$5.74  |
| Rendering Tallow   | \$14.61 | \$16.74 | \$17.40 |
| Beverage Manufacturing & Bottling  | \$3.65  | \$4.19  | \$4.36  |
| Specialty Foods Manufacturing  | \$15.70 | \$18.05 | \$18.75 |
| Pulp and Paper Products  | \$4.18  | \$4.79  | \$4.98  |
| Inorganic Chemicals Mfg.   | \$5.38  | \$6.16  | \$6.40  |
| Synthetic Material Manufacturing   | \$1.26  | \$1.44  | \$1.50  |
| Drug Manufacturing   | \$2.71  | \$3.11  | \$3.23  |
| Cleaning and Sanitation Products   | \$5.48  | \$6.30  | \$6.54  |
| Paint Manufacturing  | \$10.57 | \$12.14 | \$12.61 |
| Ink and Pigment Manufacturing  | \$3.82  | \$4.39  | \$4.56  |
| Leather Tanning and Finishing  | \$14.60 | \$16.77 | \$17.43 |
| Earthenware Manufacturing  | \$2.97  | \$3.40  | \$3.53  |
| Primary Metals Manufacturing   | \$2.35  | \$2.69  | \$2.80  |
| Metal Products Fabricating   | \$1.38  | \$1.57  | \$1.64  |
| Drum and Barrel Manufacturing  | \$14.86 | \$17.08 | \$17.74 |
| Metal Coating  | \$1.49  | \$1.71  | \$1.77  |
| Air Transportation   | \$1.96  | \$2.25  | \$2.34  |
| Food Service Establishments  | \$5.09  | \$5.83  | \$6.06  |
| Apartment Buildings (5 or more units)  | \$2.47  | \$2.83  | \$2.94  |
| Hotels, Motels with Food Service   | \$3.66  | \$4.19  | \$4.36  |
| Commercial Laundries   | \$3.29  | \$3.77  | \$3.92  |
| Coin Operated Laundromats  | \$2.47  | \$2.83  | \$2.94  |
| Industrial Laundries   | \$9.34  | \$10.73 | \$11.15 |
| Laboratories   | \$1.77  | \$2.02  | \$2.11  |
| Automobile Washing and Polishing   | \$2.34  | \$2.68  | \$2.79  |
| Hospitals  | \$2.25  | \$2.57  | \$2.68  |
| Schools  | \$1.66  | \$1.89  | \$1.97  |
| All Other BCC (includes dischargers of only segregated domestic wastes from sanitary conveniences) | \$2.47  | \$2.83  | \$2.94  |

In addition to the fixed and flow charges described above, the District imposes the Wet Weather Facilities Charge (WWFC). The WWFC funds capital expenses for the I&I facilities (wet weather facilities, interceptors, pumping stations and storage basins) that are required to handle the wet weather flows that enter the wastewater system through the local wastewater collection systems and sewer connections. Under the Consent Decree entered into

amongst the District, certain state and federal water quality regulatory agencies, and seven local public entities which own and operate wastewater collection systems in the District's wastewater service area, which became effective on September 22, 2014, the District and the participating agencies are required to demonstrate by 2036 that sufficient rehabilitation work has been performed on the East Bay regional wastewater collection and transmission system to eliminate discharges from the District's Wet Weather Facilities except during storm events of exceptional magnitude. The Consent Decree requires the District and the participating agencies to meet certain pre-established interim benchmark percentage reductions for Wet Weather Facilities discharges.

The District's goal in entering into the Consent Decree was to achieve a plan that serves the interests of the District and its ratepayers by adequately reducing wet weather flows while ensuring any necessary financial investments are apportioned and scheduled in the most cost-effective and equitable manner possible. The District's investment in its I&I facilities are an important component of its ability to address wet weather flows and meet the requirements of the Consent Decree. The costs of the I&I facilities are recovered through the District's WWFC.

The volume of wet weather flows that enter the wastewater system from each property is proportional to the size of the collection system needed to serve each property. Properties with larger lots require more linear feet of collection system which presents more opportunity for storm water and ground water to enter through defects in the collection system. The volume of wet weather flows in the collection system has no direct relationship to a customer's monthly water use or if the wastewater discharge is from a residential or non-residential customer. For these reasons, lot size rather than water service use is used as basis of the WWFC. The structure of the WWFC is based on the rationale that larger lots contribute proportionally more to the wet weather flows than smaller lots. Accordingly, the WWFC is structured into three generalized lot sizes (or bins): 0 to 5,000 square feet (sq ft), 5,001 to 10,000 sq ft, and over 10,001 sq ft. The WWFC is based on median lot size for each of these bins.

The wet weather capital facilities are designed to handle wet weather flows that are in excess of the normal wastewater discharges from wastewater customers. Because the WWFC is based on the size of the property and is unrelated to water or wastewater usage at the property, the District collects the WWFC on the property tax bill for all parcels that have connections to the local wastewater collection systems within the District's wastewater service area. The WWFC for public agencies that are exempt from property taxes is collected through the District's billing process.

The WWFC was reviewed as part of the 2019 COS Study. With adjustment for the 2019 COS Study and the proposed overall four percent (4%) FY 2020 wastewater rate increase, the WWFC will increase 7.2 percent (7.2%) in FY 2020 when compared to the FY 2019 charge. The proposed increase for FY 2021 is four percent (4%).

Table 1-3 shows the proposed updated FY 2017 and proposed FY 2020 and FY 2021 Wet Weather Facilities Charge, based on median lot size for each lot size bin.

**Table 1-3: Proposed Updated FY 2017 and Proposed FY 2020 & FY 2021 Wet Weather Facilities Charge**

| Lot Size (sq ft) | FY 2017  | FY 2020  | FY 2021  |
|------------------|----------|----------|----------|
| 0 – 5,000        | \$97.00  | \$111.24 | \$115.70 |
| 5,001 – 10,000   | \$151.56 | \$173.78 | \$180.74 |
| >10,001          | \$346.39 | \$397.20 | \$413.10 |

## 1.2.8. CUSTOMER IMPACTS

Table 1-4 shows the bill impacts for different customers with typical water usage with the proposed updated FY 2017 rates.

**Table 1-4: Typical Customers' Wastewater Bill Impacts for FY 2017**

| Customer Class                  | Monthly Flow (ccf) | FY 2017 Current Bill | FY 2017 Proposed Bill | Difference (\$) | Difference (%) |
|---------------------------------|--------------------|----------------------|-----------------------|-----------------|----------------|
| SFR                             | 6                  | \$19.73              | \$19.15               | (\$0.58)        | -2.9%          |
| MFR – Fourplex                  | 25                 | \$63.36              | \$59.35               | (\$4.01)        | -6.3%          |
| Commercial – Office             | 50                 | \$129.55             | \$129.62              | \$0.07          | 0.1%           |
| Commercial – Restaurant         | 50                 | \$253.05             | \$260.62              | \$7.57          | 3.0%           |
| Industrial – Food Manufacturing | 500                | \$7,255.55           | \$7,856.12            | \$600.57        | 8.3%           |

Note: Bill does not include SF Pollution Prevention Fee

Table 1-5 shows the bill impacts for different customers with typical water usage with the proposed FY 2020 rates compared to the current FY 2019 rates.

**Table 1-5: Typical Customers' Wastewater Bill Impacts for FY 2020**

| Customer Class                  | Monthly Flow (ccf) | FY 2019 Current Bill | FY 2020 Proposed Bill | Difference (\$) | Difference (%) |
|---------------------------------|--------------------|----------------------|-----------------------|-----------------|----------------|
| SFR                             | 6                  | \$21.75              | \$21.95               | \$0.20          | 0.9%           |
| MFR – Fourplex                  | 25                 | \$69.84              | \$68.01               | (\$1.83)        | -2.6%          |
| Commercial – Office             | 50                 | \$142.62             | \$148.52              | \$5.90          | 4.1%           |
| Commercial – Restaurant         | 50                 | \$279.62             | \$298.52              | \$18.90         | 6.8%           |
| Industrial – Food Manufacturing | 500                | \$8,001.12           | \$9,032.02            | \$1,030.90      | 12.9%          |

Note: Bill does not include SF Pollution Prevention Fee

Table 1-6 shows the bill impacts for different customers with typical water usage with the proposed FY 2021 rates compared to the proposed FY 2020 rates.

**Table 1-6: Typical Customers' Wastewater Bill Impacts for FY 2021**

| Customer Class                  | Monthly Flow (ccf) | FY 2020 Proposed Bill | FY 2021 Proposed Bill | Difference (\$) | Difference (%) |
|---------------------------------|--------------------|-----------------------|-----------------------|-----------------|----------------|
| SFR                             | 6                  | \$21.95               | \$22.82               | \$0.87          | 4.0%           |
| MFR – Fourplex                  | 25                 | \$68.01               | \$70.70               | \$2.69          | 4.0%           |
| Commercial – Office             | 50                 | \$148.52              | \$154.30              | \$5.78          | 3.9%           |
| Commercial – Restaurant         | 50                 | \$298.52              | \$310.30              | \$11.78         | 3.9%           |
| Industrial – Food Manufacturing | 500                | \$9,032.02            | \$9,382.30            | \$350.28        | 3.9%           |

Note: Bill does not include SF Pollution Prevention Fee

## 1.3. Part II: Wastewater Capacity Fee Study

### 1.3.1. INTRODUCTION

The District levies WCFs on new developments that connect to and existing users that expand their use of the wastewater system. The WCF is based on the cost of facilities required to provide capacity for new development. The wastewater system capacity is expressed in terms of wastewater flow volume (Flow) and strength factors for COD and TSS.

The WCF is designed to recover the reasonable cost of the capital facilities necessary to provide wastewater treatment capacity to new and expanded development. When a property is developed or redeveloped within the District's service area, the District imposes a capacity fee. The customer's need for an increase in system capacity can be the result of a new connection to the system or a significant change in use on an existing connection that

results in an increase in Flow and/or wastewater discharge strength. The objective of a capacity fee is to assess against the benefitting party, their proportionate share of the cost of infrastructure required to provide them service.

### 1.3.2. LEGAL FRAMEWORK FOR CAPACITY FEES

Capacity fees are not subject to Proposition 218. However, the District's authority to impose the WCF is limited by other statutory and constitutional provisions. Government Code Section 66013 contains requirements specific to wastewater capacity fees. In addition, procedural requirements for adopting or protesting capacity fees, pursuant to Section 66013, are contained in Sections 66016, 66022, and 66023 of the Government Code. The most pertinent part of Section 66013 states:

“Notwithstanding any other provision of law, when a local agency imposes fees for water connections or sewer connections, or imposes capacity charges, those fees or charges *shall not exceed the estimated reasonable cost of providing the service* for which the fee or charge is imposed...” (emphasis added)

The WCF is also subject to the requirements set forth by Proposition 26, which amended Section 1 of Article XIIC, and requires the District to show the amount charged is not a tax by not exceeding the reasonable amount required to provide the service, as stated in Section 1(e)(2):

“A charge imposed for a specific government service or product provided directly to the payor that is not provided to those not charged, and which does not exceed the reasonable costs to the local government of providing the service or product.”

The District's WCF is structured to meet the requirements of these laws, and to recover the reasonable cost of the facilities necessary to provide capacity for new, or significant changes to existing, sewer connections.

### 1.3.3. WASTEWATER CAPACITY FEES

The existing WCF were last updated in 2013 and were based on the Buy-In methodology. The Buy-In methodology requires new or upsized connections to pay their proportional share of the capital facilities and infrastructure built out and necessary to provide them service. The fee has been updated over the past five years to account for the effects of inflation but has not been updated to account for increased system value.

The wastewater system was built to accommodate build-out demand and, therefore, has surplus capacity to serve the remaining or anticipated growth without major upgrades or improvements. Based on this information, it is reasonable and appropriate to determine capacity fees based on the Buy-In method. Raftelis worked closely with the District to determine the value of the existing system inclusive of R2 assets and of select capital reserves. The value of the system was then spread over the wastewater system capacity in terms of wastewater flow volume (Flow) and strength factors for COD and TSS to determine the proposed capacity fee.

The analysis herein uses the Buy-In method to substantiate the proposed updated SFR WCF of \$2,671 for FY 2019. The proposed FY 2020 SFR WCF is \$2,752, rounded to \$2,750 for the published charge.

Additionally, Raftelis evaluated several approaches for streamlining the process of determining non-residential WCF's. The approach chosen is more straightforward and is similar to the approach used to determine the applicable Water System Capacity Charge (SCC) for new or upsized connections. In conjunction with adopting updated capacity fees, Raftelis recommends that the District should adjust the capacity fees each year to keep pace with inflation by applying the Engineering News Record Construction Cost Index (ENR CCI).

# 2. Part I: Cost of Service Study Overview

## 2.1. Introduction

The District's wastewater service area covers an 88-square-mile area of Alameda and Contra Costa counties along the Bay's east shore, extending from Richmond in the north to Oakland in the south. It serves approximately 685,000 customers. Approximately 69 MGD of wastewater is treated on average at the Main Wastewater Treatment Plant (MWWTP). The wastewater utility is also responsible for the operation and maintenance of 15 wastewater pumping stations, 29 miles of concrete interceptor sewers, 8 miles of force mains, and three wet weather facilities. Each of the cities within the District's wastewater service area operates a sewer collection system that discharges into the District's intercepting sewers.

The major objectives of the COS Study include the following:

- )] Review current wastewater rate structures.
- )] Conduct a cost of service analysis for wastewater rates and charges subject to Proposition 218.
- )] Review and update the detailed cost allocations for the unit processes at the (MWWTP).
- )] Evaluate alternative methods of measuring wastewater strength and recommend a method.
- )] Review domestic strength concentration to reflect reduced flows at plant.
- )] Review allocation of wet weather costs to reflect the costs of I&I into the plant.
- )] Develop fair and equitable wastewater user charges.
- )] Validate cost of service methodology and calculation of wastewater charges.
- )] Demonstrate the impacts of the proposed wastewater user charges on typical customer bills.

Part I of this report provides an overview of the COS Study and includes findings and recommendations for wastewater user charges.

## 2.2. Legal Framework and Rate Setting Methodology

### 2.2.1. LEGAL FRAMEWORK<sup>2</sup> - COST OF SERVICE STUDY

In November 1996, California voters approved Proposition 218, which amended the California Constitution by adding Article XIII C and Article XIII D. Article XIII D placed substantive limitations on the use of the revenue collected from property-related fees and on the amount of the fee that may be imposed on each parcel. Additionally, it established procedural requirements for imposing new, or increasing existing, property-related fees. The California Supreme Court has determined that wastewater service fees are property-related fees subject to Proposition 218.

In accordance with these provisions, a property-related fee must meet all of the following requirements: (1) revenues derived from the fee must not exceed the funds required to provide the property-related service; (2) revenues from the fee must not be used for any purpose other than that for which the fee is imposed; (3) the

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<sup>2</sup> Raftelis does not practice law nor does it provide legal advice. The above discussion is to provide a general review of apparent state institutional constraints and is labeled "legal framework" for literary convenience only.



amount of a fee imposed upon any parcel or person as an incident of property ownership must not exceed the proportional cost of the service attributable to the parcel; (4) the fee may not be imposed for a service, unless the service is actually used by, or immediately available to, the owner of the property subject to the fee. A fee based on potential or future use of a service is not permitted and stand-by charges must be classified as assessments subject to the ballot protest and proportionality requirements for assessments; (5) no fee may be imposed for general governmental services, such as police, fire, ambulance, or libraries, where the service is available to the public in substantially the same manner as it is to property owners. The five substantive requirements in Article XIII D are structured to place limitations on (1) the use of the revenue collected from property-related fees and (2) the allocation of costs recovered by such fees to ensure that they are proportionate to the cost of providing the service attributable to each parcel.

## 2.2.2. RATE SETTING PROCESS

**Revenue Requirements.** The COS Study used the revenue requirements method for allocating costs of service. This methodology is consistent with industry standards established by the WEF. The revenue requirements analysis “compares the revenues of the utility to its operating and capital costs to determine the adequacy of the existing rates to recover the utility’s costs.”<sup>3</sup>

**Cost of Service.** After determining a utility’s revenue requirements, the next step in the analysis is determining the cost of service. The COS Study functionalized the costs, expenses, and assets of the wastewater system by major operating functions to determine the cost of service. After the assets and the costs of operating those assets were properly categorized by function, the COS Study classified them and allocated the revenue requirements to the various customer classes (e.g., single-family residential, multi-family residential, and non-residential) by determining the characteristics of those classes and the customer class’ contribution to the incurred costs, such as flow and strength service characteristics. The impact that these matters have on system operations determined how the costs were allocated among the various customer classes.

**Rate Design.** The final part of the analysis was the rate design. Rate design involves developing a rate structure that proportionately recovers costs from customers. The final rate structure and rate recommendations were based on the District’s existing rate design and updated to fund the utility’s long-term projected costs of providing service, proportionally allocate costs to all customers, provide a reasonable and prudent balance of revenue stability while encouraging conservation, and comply with the substantive requirements of Article XIII D.

## 2.3. Organization of Part I: Wastewater Cost of Service

Part I of this Report includes three sections in addition to the Executive Summary and this Overview. A brief description of the remaining sections follows.

- ) **Section 3 – Cost of Service Analysis: Wastewater Utility** describes the findings and results of the wastewater rate study. It includes a description of the wastewater system, the wastewater cost of service methodology, the user classifications, the determination of annual revenues required from user charges, and a detailed discussion on the Cost of Service, which includes allocation of costs to wastewater parameters and the determination of unit costs.
- ) **Section 4 – Proposed Wastewater User Charges** includes a detailed discussion of the proposed wastewater user charges and the customer impacts resulting from the proposed user charges.

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<sup>3</sup> American Water Works Association, Principles of Water Rates, Fees and Charges: Manual of Water Supply Practices M1 (6th ed. 2012).

- ) **Section 5 – Proposed FY 2020 and FY 2021 Wastewater User Charges** includes the revenue requirements proposed for FY 2020 and FY 2021 and proposed user charges using the results of the Cost of Service.
- ) **Appendices** - includes the results of the wastewater strength survey, a detail of the O&M expenses, and the fixed asset listing.

## 2.4. Acknowledgements

This Report was a team effort among the District’s Project Team, the Woodard & Curran Team, and the Raftelis Team. We would like to thank the individuals listed below who contributed their time, expertise, and support to make this project a success. Throughout the project the input and direction provided by the District Project Team was critical to addressing the numerous issues and topics enumerated in this report.

- ) Eileen White – EBMUD, Wastewater Director
- ) Catherine Humphrey - EBMUD, Principal Management Analyst
- ) Tapa Banda – EBMUD (formerly), Principal Management Analyst
- ) Alicia Chakrabarti – EBMUD, Manager of Wastewater Environmental Services
- ) Phoebe Grow – EBMUD, Supervising Wastewater Control Representative
- ) Kristen Font – EBMUD, Wastewater Control Representative
- ) Saji Pierce – EBMUD, Attorney
- ) Richard Lou – EBMUD, Principal Management Analyst
- ) Sophia Skoda – EBMUD, Finance Director
- ) Dave Richardson – Woodard & Curran, Principal
- ) Mark Takemoto – Woodard & Curran, Senior Wastewater Engineer, Project Manager
- ) Susan Hsu – Woodard & Curran, Environmental Engineer



# 3. Cost of Service Analysis: Wastewater Utility

This section of the report discusses the allocation of O&M expenses and capital costs to the appropriate functional categories consistent with industry standards and the determination of unit costs. In this COS Study, wastewater rates were calculated based on data from FY 2017 because it was a representative year and because there was a full year of actual, functionalized expense data available at the time the COS Study commenced. Accordingly, FY 2017 is defined as the Test Year. Test Year revenue requirements are used in the cost allocation process. In Section 5, the FY 2020 and FY 2021 proposed revenue requirements will be used to calculate the proposed FY 2020 and FY 2021 user charges following the results of the cost of service for the Test Year.

As part of the COS Study, the District has defined three customer classes for the wastewater system: SFR, MFR, and non-residential. Non-residential customers are further classified into Business Classification Codes based on the type of business operated, which are grouped together or identified based on common characteristics of wastewater contributed to the system, including flow and strength. Together, the rates for the components of the wastewater service fees are structured to proportionately recover the costs of providing wastewater services among the various customer classes. As described in this report, the rates for the wastewater fees have five components: a Service Charge, a Flow Charge, a Strength Charge, a SF Bay Pollution Prevention Fee, and a Wet Weather Facilities Charge.

To allocate the cost of service among the different customer classes, costs first need to be allocated to the appropriate wastewater functional categories. The following sections describe the allocation of the operating and capital costs of service to the appropriate parameters of the wastewater system.

The total cost of wastewater service is analyzed by system function in order to equitably distribute costs of service to the various classes of customers. For this analysis, wastewater utility costs of service are developed consistent with the guidelines for allocating costs detailed in the WEF Manual of Practice No. 27, Financing and Charges for Wastewater Systems, 2004.

The wastewater COS analysis consists of six major steps, as outlined below:

1. Conduct plant mass balance analysis to estimate the flows and strength characteristics of each customer class.
2. Functionalize O&M expenses and capital costs into functional categories such as Treatment, Billing, and Customer Service.
3. Allocate each functional category into cost components such as Infiltration and Inflow (I&I), Flow, Strength, and Billing and Customer Service.
4. Develop customer class characteristics by cost component.
5. Calculate the cost component unit rates by dividing the total cost in each cost component in Step 3 by the customer class characteristics in Step 4.
6. Calculate the cost by customer class by multiplying the unit cost in Step 5 by the customer class characteristics in Step 4.

### 3.1. Wastewater COS Study Objectives

In reviewing the District's existing rates and charges, Raftelis discussed a number of considerations with staff. In addition to the general updates of cost of service, the following items were identified as primary objectives of the COS Study.

1. Review current wastewater rate structures.
2. Conduct a cost of service analysis for wastewater rates and charges subject to Proposition 218.
3. Review and update the detailed cost allocations for the unit processes at the (MWWTP).
4. Evaluate alternative methods of measuring wastewater strength and recommend a method.
5. Review domestic strength concentration to reflect reduced flows at the plant.
6. Review allocation of wet weather costs to reflect the costs of I&I into the plant.
7. Develop fair and equitable wastewater user charges.
8. Validate cost of service methodology and calculation of wastewater charges.
9. Demonstrate the impacts of the proposed wastewater user charges on typical customer bills.

### 3.2. Wastewater Characterization and Unit Process O&M and Capital Cost Allocation Update

This section documents the results as well as the methodology and assumptions used to update wastewater treatment unit processes at the MWWTP and the O&M and capital cost allocations for the COS Study. Woodard & Curran (W&C) reviewed the assumptions and methods used to calculate O&M and capital cost allocations used in the 2015 Wastewater Cost of Service Study (2015 COS Study) prepared by Raftelis which were based on the 2000 Wastewater Rates Cost Allocation Updated (2000 COS Study) prepared by Carollo Engineers. For the current COS Study, focused updates were made to the wastewater characterization parameters, specifically the parameters used for organic strength and applied to overall residential wastewater strength. In addition, updated O&M and capital cost allocations were calculated to apply to parameters of Inflow & Infiltration (I&I) flow [stormwater (SW) and groundwater (GW) flow], wastewater flow (WW), Chemical Oxygen Demand (COD), and Total Suspended Solids (TSS) .

#### 3.2.1. WASTEWATER CHARACTERIZATION UPDATE

As part of the 2018 COS Study, updates to the wastewater characterization for organic strength and for residential wastewater strength were performed.

##### 3.2.1.1. Update to Organic Strength Measurement

The 2000 and 2015 COS Studies utilized Chemical Oxygen Demand filtered (COD<sub>f</sub>) as a parameter for organic strength. COD<sub>f</sub> is the fraction of total COD that is measured from a wastewater sample filtered through a 1.5-micron filter. Historically COD<sub>f</sub> has been used by the District due to the cannery and industrial discharges of its customers at the time. However, presently COD<sub>f</sub> is not commonly used as a wastewater strength measurement, and the District's customer base no longer includes many high strength industrial customers where the distinction is relevant.

Carbonaceous Biochemical Oxygen Demand (cBOD<sub>5</sub>) and COD were considered as a replacement for COD<sub>f</sub> as part of this COS Study. Raftelis conducted a survey of parameters used by 12 major wastewater agencies to measure wastewater strength and most use either COD or biochemical oxygen demand (BOD) as measurements of organic strength (see Appendix A). COD was chosen over cBOD<sub>5</sub> to be used for the 2018 COS Study because

COD measurements are easier to perform and have a faster analysis turnaround time. COD<sub>f</sub> was replaced directly with COD as part of this COS Study based on the assumption that the ratio of COD<sub>f</sub>/COD is approximately the same for all dischargers. The particulate COD fraction was allocated to only TSS and not COD to avoid repeated allocation (double counting) of the particulate COD fraction.

### 3.2.1.2. Residential Wastewater Strength Characterization

In November 2017 and June 2018, the District conducted residential wastewater sampling at four locations within the EBMUD wastewater service area to characterize the relationship between COD<sub>f</sub>, COD, cBOD, and BOD in residential wastewater for use in the COS Study. The sample results showed that, on average, the COD in residential wastewater is 3.8 times higher than COD<sub>f</sub>. W&C reviewed the sampling data for consistency and correspondence with residential wastewater data from outside the EBMUD wastewater service area. Based on the results of the sampling data, Raftelis developed updated residential strength data with input from District staff.

## 3.2.2. O&M COST ALLOCATION

### 3.2.2.1. O&M Cost Allocation Calculation Process

The O&M functional category allocations from the 2000 COS Study were calculated as illustrated in the following steps:

1. Unit processes were allocated a contribution percentage from each cost component including stormwater (SW) infiltration, groundwater (GW) infiltration parameter, wastewater (WW) flow, COD, and TSS based on the function of the unit process and available flow and wastewater data. Because TSS is the measurement of all solids suspended in wastewater, it also includes the particulate fraction of COD that can be filtered out and is not included in the COD<sub>f</sub> fraction. The particulate COD fraction was allocated to only TSS and not COD to avoid repeated allocation of the particulate COD fraction.

For example, unit cost allocations for oxygenation tank maintenance were calculated based on the assumptions that each of the eight oxygenation tanks are maintained on the same schedule and that the cost associated with stormwater flow is proportional to the number of dedicated wet weather tanks. With 3 of the 8 tanks dedicated to wet weather treatment, the stormwater allocation is calculated as follows:

$$SW = \text{No. Wet Weather Tanks} / \text{Total No. Tanks} = 3/8 = 38\%$$

The remaining cost is allocated to dry weather flow, COD, and TSS equally and calculated as follows:

$$GW = (100\% - 38\%) * 33\%^{(1)} * 10\%^{(2)} = 2\%$$

$$WW = (100\% - 38\%) * 33\%^{(1)} * 90\%^{(2)} = 18\%$$

$$COD = (100\% - 38\%) * 33\%^{(1)} = 21\%$$

$$TSS = (100\% - 38\%) * 33\%^{(1)} = 21\%$$

- Notes:
1. Costs not attributable to stormwater are allocated equally 1/3 each to dry weather flow (wastewater and groundwater), COD, and TSS.
  2. Dry weather flow comprised of 90% wastewater and 10% GW infiltration.

The unit process assignments to each O&M functional categories are presented in Table 3-1. The cost component allocations in bold have been updated in the current COS Study and more details are provided in Section 3.2.2.3.

Each unit process was then assigned to an O&M functional category. The unit processes assigned to each O&M functional category are presented in Table 3-1. Allocations for each O&M category were then calculated in Table 3-2. The unit processes designations in bold have been updated in the current COS Study and more details are provided in Section 3.2.2.3

**Table 3-1: Unit Process Cost Component Allocations**

| Unit Process Designation                   | SW        | GW       | Flow      | COD      | TSS      |
|--|-----------|----------|-----------|----------|----------|
| Interception                               | 16        | 10       | 74        | 0        | 0        |
| Pre/Post Chlorination                      | 16        | 10       | 74        | 0        | 0        |
| Dechlorination                             | 16        | 10       | 74        | 0        | 0        |
| Scum Disposal                              | 0         | 0        | 0         | 0        | 100      |
| Influent Pumping                           | 16        | 10       | 74        | 0        | 0        |
| Grit Removal                               | 16        | 10       | 0         | 0        | 74       |
| Primary Sedimentation (Operation)          | 8         | 9        | 83        | 0        | 0        |
| <b>Primary Sedimentation (Maintenance)</b> | <b>44</b> | <b>6</b> | <b>51</b> | <b>0</b> | <b>0</b> |
| Primary Sludge Pumping                     | 0         | 0        | 0         | 0        | 100      |
| Oxygen Production                          | 0         | 0        | 0         | 50       | 50       |
| Oxygenation Tanks (Operation)              | 8         | 3        | 27        | 31       | 31       |
| Oxygenation Tanks (Power)                  | 8         | 1        | 3         | 44       | 44       |
| Oxygenation Tanks (Maintenance)            | 38        | 2        | 18        | 21       | 21       |
| RAS/WAS Pumping                            | 0         | 0        | 0         | 50       | 50       |
| Operations Center                          | 6         | 3        | 27        | 32       | 32       |
| WAS Thickening                             | 0         | 0        | 0         | 50       | 50       |
| Sludge Digestion                           | 0         | 0        | 0         | 25       | 75       |
| Power Generation Station                   | 6         | 3        | 20        | 32       | 39       |
| Debt Services                              | 0         | 0        | 24        | 35       | 41       |
| Sludge Dewatering                          | 0         | 0        | 0         | 25       | 75       |
| Sludge Disposal                            | 0         | 0        | 0         | 25       | 75       |
| Effluent Disposal                          | 16        | 10       | 74        | 0        | 0        |
| Wet Weather Facilities                     | 100       | 0        | 0         | 0        | 0        |

Each unit process was then assigned to an O&M functional category. The unit processes assigned to each O&M functional category are presented in Table 3-2. The unit process designations in bold have been updated in the current COS Study and more details are provided in Section 3.2.2.4.

**Table 3-2: Unit Process Designation Assignments**

| O&M Functional Categories | Unit Process Designations  |
|---------------------------|--|
| Interceptor               | Interceptor  |
| Wet                       | Wet Weather Facilities   |
| Influent Operations       | Pre/Post Chlorination<br>Dechlorination<br>Influent Pumping<br>Effluent Disposal   |
| Influent Maintenance      | Pre/Post Chlorination<br>Dechlorination<br>Influent Pumping<br>Effluent Disposal   |
| Primary Operations        | Scum Disposal<br>Grit Removal<br>Primary Sedimentation (Operation)<br>Primary Sludge Pumping   |
| Primary Maintenance       | Scum Disposal<br>Grit Removal<br>Primary Sedimentation (Maintenance)<br>Primary Sludge Pumping   |
| Secondary Operations      | Oxygen Production<br>Oxygenation Tanks (Operation)<br>Oxygenation Tanks (Power)<br>Secondary Clarification (Operation)<br>RAS/WAS Pumping<br>Operations Center     |
| Secondary Maintenance     | Oxygen Production<br>Oxygenation Tanks (Maintenance)<br>Oxygenation Tanks (Power)<br>Secondary Clarification (Maintenance)<br>RAS/WAS Pumping<br>Operations Center |
| Sludge Operations         | WAS Thickening<br>Sludge Digestion<br>Sludge Dewatering<br>Sludge Disposal   |
| Sludge Maintenance        | WAS Thickening<br>Sludge Digestion<br>Sludge Dewatering<br>Sludge Disposal   |
| PGS                       | Power Generation Station   |

- Allocations for each O&M functional category were then calculated based on the unit process allocations in each category and the respective cost percentages of each unit process. For example, the secondary maintenance functional category allocations were calculated from the cost weighted average of the cost component allocation for the unit processes assigned to the category including Oxygen Production, Oxygenation Tanks (Maintenance), Oxygenation Tanks (Power), Secondary Clarification (Maintenance), RAS/WAS Pumping, and Operations Center. The values used to calculate the secondary functional category is shown in Table 3-3.

**Table 3-3: Secondary Maintenance Functional Category Allocations<sup>1</sup>**

| Unit Process Designation                | SW         | GW        | Flow       | COD        | TSS        | % of budget |
|---|------------|-----------|------------|------------|------------|-------------|
| O2 Tanks (Mtn)                          | 38         | 2         | 18         | 21         | 21         | 26%         |
| O2 Tanks (Power)                        | 8          | 1         | 3          | 44         | 44         | 6%          |
| Secondary Clarification (Mtn)           | 17         | 3         | 24         | 28         | 28         | 26%         |
| Operations Center                       | 6          | 3         | 27         | 32         | 32         | 6%          |
| RAS/WAS Pumping                         | 0          | 0         | 0          | 50         | 50         | 7%          |
| O2 Production                           | 0          | 0         | 0          | 50         | 50         | 29%         |
| <b>Secondary Maintenance Allocation</b> | <b>15%</b> | <b>2%</b> | <b>13%</b> | <b>35%</b> | <b>35%</b> |             |

Notes: 1. Unit process contribution allocations and relative percent of each O&M budget based on values used in the 2000 COS Study.

### 3.2.2.2. O&M Cost Allocation Review

W&C reviewed the O&M cost allocations from the 2000 and 2005 COS Studies for each unit process designation in view of current wastewater treatment plant operation and available data. The allocations and the unit processes assigned to each O&M category were then reviewed.

#### Flow Contribution Calculations

The stormwater, groundwater infiltration, and wastewater flow contributions of 16%, 10% and 74% used in the 2000 COS Study were used in this COS Study and not updated because the balance of base wastewater flow, stormwater, and groundwater infiltration entering the District's interceptors and the MWWTP has only marginally changed in the last two decades based on review of 2008-2017 flow data. The analysis of 2008 to 2017 flow data is presented below.

The flow contribution percentages from the 2000 COS Study were calculated as follows from influent flow data and customer water consumption data from FY 1990 to FY 1999. In that 10-year period, the Average Day Annual Flow (ADAF) was 76.5 MGD and the Average Dry Weather Flow (ADWF) was 64.1 MGD.

1. Wastewater flow was determined based on water consumption data for industrial, commercial, and residential accounts. The base wastewater flow was estimated at 56.8 MGD. The percentage of flow from the base wastewater flow is estimated as follows:

$$\%WW = WW/ADAF = 56.8/76.5 = 74\%$$

2. Stormwater flow was estimated as the difference of the ADAF and ADWF. The stormwater inflow was estimated as follows:

$$SW = ADAF - ADWF = 76.5 \text{ MGD} - 64.1 \text{ MGD} = 12.4 \text{ MGD.}$$

$$\%SW = (ADAF - ADWF)/ADAF = 12.4/76.5 = 16\%$$

3. Groundwater infiltration flow was estimated as the fraction of ADWF not accounted for in the base wastewater flow. The groundwater inflow was estimated as follows:

$$GW = ADWF - WW = 64.1 \text{ MGD} - 56.8 \text{ MGD} = 7.3 \text{ MGD}$$

$$\%GW = (ADWF - WW)/ADAF = 7.3/76.5 = 10\%$$

### 2008 to 2017 Flow Data Review

W&C reviewed influent flow data from 2008-2017 to verify the above flow allocations are still valid. The 10-year ADAF, ADWF and SW flows from 2008 to 2017 are shown in Table 3-4. The 10-year average ADAF, ADWF, and SW flows have decreased 20%, 21%, and 15%, respectively, from FY 1990-FY 1999 flows.

**Table 3-4: Annual Average Influent Flow Data in MGD from 2008-2017**

| Year  | ADAF        | ADWF        | SW<br>(ADAF-ADWF) |
|---|-------------|-------------|-------------------|
| 2008  | 65          | 58          | 7                 |
| 2009  | 66          | 54          | 12                |
| 2010  | 70          | 55          | 15                |
| 2011  | 67          | 56          | 11                |
| 2012  | 64          | 51          | 13                |
| 2013  | 52          | 49          | 3                 |
| 2014  | 55          | 46          | 9                 |
| 2015  | 47          | 43          | 4                 |
| 2016  | 59          | 45          | 14                |
| 2017  | 64          | 47          | 17                |
| <b>10-year Average</b>                                | <b>60.9</b> | <b>50.4</b> | <b>10.5</b>       |
| <b>% decrease from FY<br/>1990– FY 1999 flow data</b> | <b>20%</b>  | <b>21%</b>  | <b>15%</b>        |

The updated flow contributions were estimated based on the assumption that groundwater infiltration flows have decreased by the same percentage (15%) as the stormwater inflow flows. It is assumed that factors contributing to I&I such as cracked pipes and leaky joints in the collection system will affect groundwater infiltration and stormwater inflow equally. Collection system improvements to address those issues are assumed to have reduced inflow and infiltration to the same degree. The updated SW, GW, and WW flow contributions were estimated as 17%, 10%, and 73%, respectively, and calculated as follows:

1. Stormwater inflow was estimated as the difference of the ADAF and ADWF. The stormwater inflow was estimated as follows:

$$SW = ADAF - ADWF = 60.9 - 50.4 = 10.5 \text{ MGD}$$

$$\%SW = SW/ADAF = 10.5/60.9 = 17\%$$

2. Groundwater infiltration was assumed to have decreased by the same percentage (15%) as stormwater infiltration flows. The groundwater inflow was estimated as follows:

$$GW = 15\% * 7.3 \text{ MGD} = 6.2 \text{ MGD}$$

$$\%GW = GW/ADAF = 6.2/60.9 = 10\%$$

3. Wastewater flow- Because current water consumption data was not available, wastewater flow was estimated as the fraction of ADAF not included as SW and WW. The percentage of flow from the base wastewater flow is estimated as follows:



$$WW = ADAF - SW - WW = 60.9 - 10.5 - 6.2 = 44.2 \text{ MGD}$$

$$\%WW = WW/ADAF = 44.2/60.9 = 73\%$$

The influent flow contributions to stormwater, groundwater, and wastewater flows from the 2000 COS Study and the estimated flow contributions from 2008 to 2017 flow data are summarized in Table 3-5. Because the change in flow contributions are minimal (1% increase from 16% to 17% for stormwater and 1% decrease from 74% to 73% for wastewater flow), the stormwater inflow, groundwater infiltration, and base wastewater flows used in the 2000 COS Study are still used in the current COS Study.

**Table 3-5: Summary of Influent Flow Contributions**

| Time Period              | SW  | GW  | WW  |
|--------------------------|-----|-----|-----|
| <b>FY 1990 – FY 1999</b> | 16% | 10% | 74% |
| <b>2008 - 2017</b>       | 17% | 10% | 73% |

Based on W&C's review, the same unit process and functional O&M category allocations used in the 2000 COS Study were found to still be valid except for the Primary Sedimentation (maintenance) unit process allocations and the Influent and Primary O&M category allocations. The proposed updates to these allocations are described below.

### 3.2.2.3. Primary Sedimentation (Maintenance) Unit Process Allocations Update

The primary sedimentation (maintenance) unit process was updated to reflect the current operation of the primary sedimentation tanks. The assumptions and methods used to calculate the cost allocations in the 2000 COS Study are still valid. Primary sedimentation tanks are maintained on a set schedule and associated costs for each of the 16 sedimentation tanks were assumed to be the same and proportional to the total number of tanks. Therefore, COD and TSS loadings are assumed to have no impact on maintenance costs and maintenance costs are attributed to the stormwater, groundwater infiltration, and wastewater flow parameters.

Maintenance cost allocations to stormwater and dry weather flows are estimated as the ratio of sedimentation tanks dedicated to wet and dry weather flows, respectively. There are currently seven dedicated wet weather primary sedimentation tanks, an increase from six dedicated tanks in the 2000 COS Study where the primary maintenance cost allocations were 38% SW, 6% GW, and 56% WW. The updated primary sedimentation (maintenance) process allocations were calculated as follows:

$$\begin{aligned} SW &= (\text{No. Wet Weather Tanks})/(\text{Total No. Tanks}) \\ &= 7/16 = \mathbf{43.8\%} \end{aligned}$$

$$\begin{aligned} GW &= (\% \text{ dry weather flows due to GW}) * (\text{No. tanks dedicated to dry weather flows}) \\ &= (WW/ADWF)^{(1)} * (9*16) \\ &= 0.1 * (9/16) = \mathbf{5.6\%} \end{aligned}$$

$$\begin{aligned} WW &= 100\% - \text{Stormwater} - \text{Groundwater} \\ &= 100\% - 43.8\% - 5.6\% = \mathbf{50.6\%} \end{aligned}$$

Notes: 1. Flows used to estimate contributions of groundwater and wastewater to dry weather flows are from the 2000 COS Study.



#### 3.2.2.4. Influent and Primary O&M Categories Allocations Update

In the 2015 COS Study, Influent and Primary O&M categories were assigned the same allocation percentages. Influent Operation and Primary Operation categories were both assigned cost allocations of 22.6% I&I flow, 62.7% wastewater flow, and 14.7% TSS and Influent Maintenance and Primary Maintenance categories were both assigned cost allocations of 28.0% I&I flow, 64.3% wastewater flow, and 7.7% TSS for maintenance. These allocations were calculated based on the weighted cost allocations from the following Unit Process Designations: Pre/Post Chlorination, Influent Pumping, Effluent Disposal, Grit Removal, Scum Disposal, Primary Sedimentation, and Primary Sludge Pumping. The updated allocations included distinct allocations for the influent and primary categories because influent O&M costs are generally related to I&I and wastewater flow only and primary O&M costs are generally related to both flow and TSS. For the influent and primary O&M allocations, particulate COD fraction is attributed to TSS and not accounted for in COD allocations to avoid repeated allocation (double counting) of the particulate COD fraction. The current updated allocations breakout the Pre/Post Chlorination, Influent Pumping, and Effluent Disposal processes to Influent O&M categories. Grit Removal, Scum Disposal, Primary Sedimentation, and Primary Sludge Pumping were assigned to the Primary O&M categories. Note that post chlorination and effluent disposal is allocated to influent O&M because the allocation includes only flow and the costs are tracked by the District in that manner. The allocation for each O&M category was calculated as the weighted average of the budget percentages for each unit process. The percent of the budget for each unit process designation was estimated from O&M budgets in the 2000 COS Study because there have not been significant changes to the unit processes. The updated allocation percentages for the influent and primary O&M categories as well as the unit process allocations attributed to each category are presented in Table 3-6.

**Table 3-6: Updated Influent and Primary O&M Allocations**

| O&M Categories       | Unit Process Designation           | SW         | GW         | WW         | COD       | TSS        | Percent of Budget <sup>2</sup> |
|----------------------|------------------------------------|------------|------------|------------|-----------|------------|--------------------------------|
| Influent Operation   | Pre/Post Chlorination              | 16%        | 10%        | 74%        | 0%        | 0%         | 100.0%                         |
|                      | Dechlorination                     | 16%        | 10%        | 74%        | 0%        | 0%         |                                |
|                      | Influent Pumping                   | 16%        | 10%        | 74%        | 0%        | 0%         |                                |
|                      | Effluent Disposal                  | 16%        | 10%        | 74%        | 0%        | 0%         |                                |
|                      | <b>Updated Allocations</b>         | <b>16%</b> | <b>10%</b> | <b>74%</b> | <b>0%</b> | <b>0%</b>  | <b>100.0%</b>                  |
| Influent Maintenance | Pre/Post Chlorination              | 16%        | 10%        | 74%        | 0%        | 0%         | 100.0%                         |
|                      | Influent Pumping                   | 16%        | 10%        | 74%        | 0%        | 0%         |                                |
|                      | Effluent Disposal                  | 16%        | 10%        | 74%        | 0%        | 0%         |                                |
|                      | <b>Updated Allocations</b>         | <b>16%</b> | <b>10%</b> | <b>74%</b> | <b>0%</b> | <b>0%</b>  | <b>100.0%</b>                  |
| Primary Operation    | Scum Disposal                      | 0%         | 0%         | 0%         | 0%        | 100%       | 100.0%                         |
|                      | Grit Removal                       | 16%        | 10%        | 0%         | 0%        | 74%        |                                |
|                      | Primary (Operation)                | 8%         | 9%         | 83%        | 0%        | 0%         |                                |
|                      | Primary Sludge Pumping             | 0%         | 0%         | 0%         | 0%        | 100%       |                                |
|                      | <b>Updated Allocations</b>         | <b>6%</b>  | <b>5%</b>  | <b>23%</b> | <b>0%</b> | <b>67%</b> | <b>100.0%</b>                  |
| Primary Maintenance  | Scum Disposal                      | 0%         | 0%         | 0%         | 0%        | 100%       | 100.0%                         |
|                      | Grit Removal                       | 16%        | 10%        | 0%         | 0%        | 74%        |                                |
|                      | Primary (Maintenance) <sup>1</sup> | 44%        | 6%         | 51%        | 0%        | 0%         |                                |
|                      | Primary Sludge Pumping             | 0%         | 0%         | 0%         | 0%        | 100%       |                                |
|                      | <b>Updated Allocations</b>         | <b>32%</b> | <b>5%</b>  | <b>36%</b> | <b>0%</b> | <b>28%</b> | <b>100.0%</b>                  |

Rows or columns that do not add to 100% are off due to rounding

Notes:

1. Updated allocation for Primary Sedimentation (Maintenance) from Section 3.2.2.3.
2. Relative percent of each O&M budget based on estimated O&M budgets in 2000 COS Study. Costs for Influent O&M unit processes were presented as one budget and not broken out in the 2000 COS Study.
3. For the influent and primary O&M allocations, particulate COD fraction is attributed to TSS and not accounted for in COD allocations to avoid repeated allocation (double counting) of the particulate COD fraction.

### 3.2.2.5. Proposed O&M Cost Allocations

The cost allocations for each O&M category are summarized and shown in Table 3-11 with updated allocations in bold. I&I allocations were calculated as the sum of stormwater and groundwater allocations.

## 3.2.3. CAPITAL COST ALLOCATIONS

W&C reviewed the allocations for each unit process and for each asset category at the MWWTP. These capital cost allocations from the 2015 COS Study were based on the allocations from the 2000 COS Study. Allocations for each unit process have been confirmed to be reasonable and were not updated. The allocations for each asset category from the 2015 COS Study remain unchanged except for allocations for the Secondary Treatment Facility category which were updated as described below.

### 3.2.3.1. Secondary Treatment Facility Capital Cost Allocations Update

Costs for Secondary Treatment Facility assets have been allocated 6% to I&I and 94% wastewater flow. The cost allocations for the category were updated to account for COD and TSS. W&C updated the allocations by assigning the following unit process to Oxygenation Tanks (Structure), Oxygenation Tanks (Equipment), Secondary Clarifiers (Structure), and Secondary Clarifiers (Equipment) and calculating the weighted allocation of each parameter relative to the cost of each unit process. The proposed Secondary Treatment Facility capital cost

allocation is 2% I&I flow, 21% wastewater flow, 38% COD, and 38% TSS. The allocations and relative costs of each unit process used to calculate the proposed allocations are shown in Table 3-7.

**Table 3-7: Updated Secondary Treatment Asset Allocations**

| Unit Process                     | SW        | GW        | Flow       | COD        | TSS        | Percent of Cost |
|----------------------------------|-----------|-----------|------------|------------|------------|-----------------|
| Oxygenation Tanks (structure)    | 0%        | 0%        | 0%         | 50%        | 50%        | 30%             |
| Oxygenation Tanks (equipment)    | 0%        | 0%        | 0%         | 50%        | 50%        | 29%             |
| Secondary Clarifiers (structure) | 0%        | 6%        | 94%        | 0%         | 0%         | 22%             |
| Secondary Clarifiers (equipment) | 0%        | 6%        | 0%         | 47%        | 47%        | 19%             |
| <b>Updated Allocations</b>       | <b>0%</b> | <b>2%</b> | <b>21%</b> | <b>38%</b> | <b>38%</b> | <b>100%</b>     |

- Notes: 1. Unit process allocations to I&I, Flow, COD, and TSS were based on allocations in the 2000 COS Study.  
Percent of cost were estimated from 6% Annual Cost from 2000 COS Study  
2. Rows or columns that do not add to 100% are off due to rounding.

### 3.2.3.2. Proposed Capital Cost Allocations

The cost allocations for each Asset category are summarized and shown in Table 3-13 with updated allocations in bold.

## 3.3. Plant Balance

The plant balance analysis is used to estimate and validate the wastewater loadings (flow and strength) generated by each customer class. While wastewater discharged into sewers for most users is not metered when it enters the wastewater system, the total amount of flow and strength entering the treatment plant and treated every day is a known quantity. Additionally, non-residential and industrial customer flows can be estimated based on their water usage. Non-residential and industrial customer strengths are estimated according to industry accepted standards. The remaining loadings (total plant influent less: I&I, trucked waste at headworks, and non-residential and industrial loadings), are assigned to residential users.

The District currently bases its residential (SFR accounts and 2-4 dwelling unit MFR accounts) loadings on a fixed strength of 29.42 lbs of COD per dwelling unit and 11.01 lbs of TSS per dwelling unit. These fixed strengths per dwelling unit are calculated based on the average residential monthly flow per dwelling unit and the current assumed domestic strength concentrations of 855 mg/l COD and 320 mg/l TSS. The current residential assumed domestic strength concentrations are based on previous COS studies.

In addition to the fixed strength charge for residential customers, the District also assesses a variable flow charge to residential customers. However, an analysis of the billing records shows that about 97 percent of all residential customers' winter use falls within the 9 ccf per month per dwelling unit flow cap. Therefore, the flow charge is capped at 9 ccf per month per dwelling unit to recognize that some of the billed residential water consumption is likely used for irrigation purposes that does not contribute to wastewater flows and does not enter the wastewater system. Accordingly, residential billed water usage above 9 ccf per month per dwelling unit is not assessed a wastewater flow charge.

The plant balance analysis is performed by comparing the net plant influent loadings to the billed loadings from the wastewater treatment customers as shown in Table 3-8. The net plant influent is calculated by taking the total plant

influent<sup>4</sup> and subtracting the loadings from the R2 program (trucked waste)<sup>5</sup>. These loadings are then compared to the loadings from the wastewater treatment customers and the difference is attributed to I&I. The billed loadings by customer class shown in Table 3-8 include the assumed COD and TSS concentrations. The net plant loading analysis showed that the waste strength concentration for domestic strength should be decreased from 855 mg/l COD (225 mg/l CODf) and 320 mg/l TSS to 713 mg/l COD and 300 mg/l TSS<sup>6</sup>. Note that the plant flow shown is equivalent to 33.6 million ccf per year.

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<sup>4</sup> Data for the total influent into the MWWTP were provided by the District.

<sup>5</sup> Data for the R2/trucked waste loadings were provided by the District.

<sup>6</sup> Based on residential wastewater sampling provided by the District.

**Table 3-8: Test Year Plant Balance**

|  | Flow<br>(MG/yr) | COD<br>(lbs/yr)    | TSS<br>(lbs/year) |
|--|-----------------|--------------------|-------------------|
| Total Plant Influent                             | 25,128          | 135,294,419        | 70,376,824        |
| Less: Trucked Waste at Headworks                 | 153             | 27,239,083         | 9,275,005         |
| Less: I&I  | 9,280           | 1,790,750          | 19,311,516        |
| <b>Net Plant Influent</b>                        | <b>15,695</b>   | <b>106,264,585</b> | <b>41,790,303</b> |
| Non-Residential                                  | 3.57            | 231,114            | 12,522            |
| 2010 Meat Products                               | 0.71            | 19,034             | 8,250             |
| 2011 Slaughterhouses                             | 4.43            | 202,816            | 14,405            |
| 2020 Dairy Product Processing                    | 0.00            | 0                  | 0                 |
| 2030 Fruit and Vegetable Canning                 | 3.71            | 67,943             | 23,819            |
| 2040 Grain Mills                                 | 16.62           | 761,665            | 166,454           |
| 2050 Bakeries                                    | 3.27            | 141,043            | 819               |
| 2060 Sugar Processing                            | 0.00            | 0                  | 0                 |
| 2077 Rendering Tallow                            | 74.24           | 1,921,219          | 80,546            |
| 2080 Beverage Mfgr & Bottling                    | 6.74            | 872,389            | 73,149            |
| 2090 Specialty Foods Mfgr                        | 2.78            | 40,463             | 14,847            |
| 2600 Pulp and Paper Products                     | 2.15            | 5,785              | 25,073            |
| 2810 Inorganic Chemicals Mfgr                    | 1.96            | 1,585              | 491               |
| 2820 Synthetic Material Mfgr                     | 90.86           | 1,518,571          | 53,081            |
| 2830 Drug Mfgr                                   | 0.63            | 23,683             | 2,200             |
| 2840 Cleaning and Sanitation Prod                | 0.10            | 6,775              | 1,224             |
| 2850 Paint Mfgr                                  | 0.00            | 0                  | 0                 |
| 2893 Ink and Pigment Mfgr                        | 0.00            | 0                  | 0                 |
| 3110 Leather Tanning/Finishing                   | 6.10            | 19,736             | 28,005            |
| 3200 Earthenware Mfgr                            | 12.77           | 30,985             | 38,372            |
| 3300 Primary Metals Mfgr                         | 9.60            | 20,703             | 2,404             |
| 3400 Metal Prod Fabricating                      | 0.00            | 0                  | 0                 |
| 3410 Drum and Barrel Mfgr                        | 3.49            | 7,516              | 2,036             |
| 3470 Metal Coating                               | 71.39           | 481,078            | 59,576            |
| 4500 Air Transportation                          | 582.66          | 8,795,348          | 4,570,780         |
| 5812 Food Service Establishment                  | 3,700.25        | 22,002,084         | 9,264,035         |
| 6513 Apartment Bldgs (5+ units)                  | 136.77          | 958,529            | 776,137           |
| 7000 Hotels, Motels with Food                    | 12.37           | 190,045            | 31,999            |
| 7210 Commercial Laundries                        | 185.15          | 1,796,661          | 293,572           |
| 7215 Coin Operated Laundromats                   | 46.32           | 3,370,948          | 286,034           |
| 7218 Industrial Laundries                        | 54.96           | 281,461            | 36,690            |
| 7300 Laboratories                                | 34.60           | 270,446            | 57,744            |
| 7542 Auto Washing and Polishing                  | 147.20          | 634,876            | 331,688           |
| 8060 Hospitals                                   | 544.20          | 2,053,699          | 363,326           |
| 8200 Schools                                     | 2,097.67        | 12,472,968         | 5,251,776         |
| All Other  | 110.57          | 1,113,973          | 572,114           |
| Multi-Use Customers                              | 3.57            | 231,114            | 12,522            |
| <b>Total Non-Residential</b>                     | <b>7,968</b>    | <b>60,315,143</b>  | <b>22,443,169</b> |
| <b>Residential</b>                               | <b>7,728</b>    | <b>45,949,443</b>  | <b>19,347,134</b> |
| <b>Total (Residential &amp; Non-Residential)</b> | <b>15,695</b>   | <b>106,264,585</b> | <b>41,790,303</b> |

### 3.4. Allocation of Revenue Requirements by Function

The wastewater utility is comprised of various facilities, each designed and operated to fulfill a given function. In order to provide adequate service to its customers at all times, the utility must be capable of not only collecting the total amount of wastewater generated (flow), but also treating and removing various nutrients (e.g., TSS and COD) from the flow.

The separation of costs by function allows the allocation of these costs to the functional cost components. Table 3-9 shows the Test Year O&M expenses (based on the FY 2017 budget provided by the District) arranged by the different functional categories, as classified by District staff and W&C<sup>7</sup>.

**Table 3-9: Allocation of Wastewater O&M Expenses**

| O&M Categories                | FY 2017             |
|-------------------------------|---------------------|
| Interceptor                   | \$2,783,233         |
| R2                            | \$2,360,771         |
| Wet                           | \$1,992,871         |
| Influent Op                   | \$6,732,235         |
| Influent Mtn                  | \$797,026           |
| Primary Op                    | \$21,814            |
| Primary Mtn                   | \$442,219           |
| Secondary Op                  | \$3,281,986         |
| Secondary Mtn                 | \$825,682           |
| Sludge Op                     | \$9,395,911         |
| Sludge Mtn                    | \$1,559,040         |
| Lab                           | \$5,813,131         |
| Permit                        | \$1,142,071         |
| I/I                           | \$3,998,801         |
| PGS                           | \$1,982,606         |
| Reclaimed                     | \$952,791           |
| Reimbursed                    | \$217,513           |
| Billing                       | \$2,231,746         |
| Overhead                      | \$17,394,592        |
| <b>Total O&amp;M Expenses</b> | <b>\$63,926,037</b> |

Table 3-10 shows the Test Year Replacement Cost Less Depreciation (RCLD) value of the total wastewater assets by the different asset classes, which are then classified by functions similar to the O&M expenses. RCLD value reflects the cost to replace the asset today less accumulated depreciation and was obtained from District's financial records<sup>8</sup>.

<sup>7</sup> A detail of O&M expenses by functional categories can be found in Appendix B.

<sup>8</sup> A detail of the District's fixed assets can be found in Appendix C.

**Table 3-10: Allocation of Wastewater Assets - RCLD Value**

| <b>Assets Categories</b>                     | <b>FY 2017</b> |
|--|----------------|
| Mwwtp-Chlorine System                        | \$186,190      |
| Mwwtp-Chlorination Building                  | \$2,780,669    |
| Mwwtp-Outfall Land                           | \$4,914,159    |
| Mwwtp-Outfall Submarine                      | \$9,205,483    |
| Mwwtp-Outfall Bridge                         | \$218,197      |
| Mwwtp-Effluent Pump Station                  | \$10,388,412   |
| Mwwtp-Water Pump Station #3                  | \$863,322      |
| Mwwtp-Process Water Plant                    | \$32,917       |
| Mwwtp-Dechlorination Station                 | \$8,720,247    |
| Mwwtp-Filter Plant Solids Handling Facility  | \$22,626,059   |
| Mwwtp-Sodium Bisulfite Area                  | \$831,280      |
| Mwwtp-Grounds & Improvements                 | \$41,252,798   |
| Mwwtp-Administration and Lab Building        | \$16,251,701   |
| Mwwtp-Administration and Lab Center          | \$18,533,056   |
| Mwwtp-Maintenance Center                     | \$13,965,697   |
| Mwwtp-Piping for Plant Utilities             | \$8,456,170    |
| Mwwtp-Bulk Storage Area                      | \$1,505,954    |
| Mwwtp-Field Services Bldg                    | \$3,531,511    |
| Wastewater Land - General                    | \$18,838,029   |
| All Wastewater Portable Equipment            | \$9,022,399    |
| Mwwtp-Aerated Grit Tanks                     | \$5,543,750    |
| Mwwtp-Grit Dewatering Station                | \$11,380,202   |
| Mwwtp-Influent Pump Station                  | \$32,843,269   |
| North Interceptor                            | \$58,423,966   |
| South Interceptor                            | \$50,076,391   |
| Alameda Interceptor                          | \$20,746,285   |
| Estuary Crossing                             | \$1,097,142    |
| Central Avenue Interceptor                   | \$12,000,875   |
| South Foothill Interceptor                   | \$29,180,384   |
| Adeline Street Interceptor                   | \$24,768,192   |
| Powell Street Interceptor                    | \$4,032,671    |
| ANAS Interceptor                             | \$4,637,798    |
| Wood St Interceptor                          | \$22,104,951   |
| Pump Station A-Albany                        | \$3,237,385    |
| Pump Station B-Fernside                      | \$5,585,393    |
| Pump Station C-Krusi Park                    | \$12,134,648   |
| Pump Station D-Oak Street                    | \$1,554,592    |
| Pump Station E-Grand Street                  | \$1,400,556    |
| Pump Station F-Atlantic Avenue               | \$1,685,186    |
| Pump Station G-Airport                       | \$2,795,700    |
| Pump Station H-Fruitvale                     | \$9,657,560    |
| Pump Station J-Frederick Street              | \$1,257,012    |
| Pump Station K-7Th Street                    | \$1,412,098    |
| Pump Station L                               | \$5,015,645    |
| Pump Station Q- Wet Weather Page St Berkeley | \$554,685      |
| Pump Station N (new)                         | \$5,806        |
| ANAS Pump Station R                          | \$9,838,090    |

### Allocation of Wastewater Assets - RCLD Value (continued)

| Assets Categories                                  | FY 2017                |
|--|------------------------|
| Pump Station M - Bridgeway                         | \$2,830,600            |
| Mwwtp-Reactor Deck Area-Oxygen Production          | \$5,642,565            |
| Mwwtp-Secondary Treatment Facility                 | \$68,121,502           |
| Mwwtp-Power Generation Station                     | \$77,442,495           |
| Mwwtp-Scum Dewatering Station                      | \$9,352,008            |
| Mwwtp-Chemical Trench                              | \$893,677              |
| Mwwtp-Pre-Chlorination Facility                    | \$745,210              |
| Mwwtp-Chemical Storage Building (Relocated)        | \$2,403,686            |
| Mwwtp-Sludge Digestion Facilities                  | \$127,315,822          |
| Mwwtp-Sludge Dewatering Facilities                 | \$34,276,421           |
| Mwwtp-Temp Sludge Dewatering Facility              | \$1,402,992            |
| Mwwtp-Odor Control at Sludge Thickener             | \$12,152,375           |
| Mwwtp-Composting Facility                          | \$1,201,029            |
| Pt. Isabel Tp-Treatment & Pretreatment Structures  | \$38,484,242           |
| Mwwtp-Mid-Plant Pump Station                       | \$5,416,024            |
| Mwwtp-Wet Weather Pump Station                     | \$1,350,090            |
| Mwwtp-Washdown Pump Station                        | \$162,968              |
| Oakport Wet Weather-Pretreatment Structure         | \$10,353,021           |
| Oakport Wet Weather-Pretreatment Structure         | \$2,403,306            |
| Mwwtp-Channel Crossing for Bypass Channel          | \$6,247,609            |
| Mwwtp 90" Pipe-Primry Effluent Bypass              | \$2,793,630            |
| Mwwtp 72" Pipe-Primry Influent Bypass              | \$2,552,927            |
| Mwwtp-Diversion Structure                          | \$27,553,044           |
| Mwwtp-Bypass Inlet Structure                       | \$10,480,288           |
| North Interceptor Junction Storage                 | \$863,142              |
| Mwwtp-Bypass Outlet Structure                      | \$616,410              |
| Mwwtp-Final Effluent Bypass Channel                | \$8,548,717            |
| Mwwtp-Storage Basin                                | \$26,506,411           |
| Oakport WW-Chlor System                            | \$177,325              |
| Oakport WW-DeChlor System                          | \$149,286              |
| Oakport WW-Control Bldg                            | \$847,594              |
| Oakport WW-Emg Gen                                 | \$632,197              |
| Oakport WW-Drainage                                | \$1,050,006            |
| Oakport WW-Storage Bldg.                           | \$633,213              |
| Oakport WW-Lscape/Pav/Fence                        | \$3,344,044            |
| San Antonio Creek Wet Weather TP                   | \$12,622,514           |
| San Antonio Creek Ww Dechlorination Facility       | \$5,917,619            |
| San Antonio Creek Ww Outfall Structure             | \$2,787,508            |
| San Antonio Creek Ww Gravity Sewer                 | \$588,791              |
| San Antonio Creek Ww Lake Merritt Channel Crossing | \$1,587,448            |
| San Antonio Creek Ww Outfall Subequacious Pipeline | \$2,484,495            |
| Versailles interceptor                             | \$1,622,502            |
| <b>Total Assets</b>                                | <b>\$1,047,651,236</b> |



### 3.5. Allocation of Functional Costs to Cost Components

In order to allocate costs of service to the different user classes, unit costs of service are developed. O&M expenses and capital costs are functionalized as transmission, treatment, billing, administrative, etc. These total functionalized costs are then allocated to the flow, COD, and TSS parameters based on the design of each facility. Since treatment plants are designed to treat flow, COD, and TSS, treatment costs are allocated to those three parameters based on the design of each component of the treatment system. For example, the equipment in the secondary clarifiers is designed to remove suspended solids. Along with suspended solids there is also some removal of COD; therefore, the equipment cost is allocated to TSS and COD based on the removal of those two parameters. Additionally, the secondary tank structure is designed for flow; therefore, the structure cost is allocated to flow. Most of the wastewater systems must handle the additional loadings from wet weather flows; therefore, a portion of their system costs are allocated to the I&I parameter. Administrative costs such as billing, collecting, and customer accounting are assigned to the Customer cost component. General expenses not associated with I&I, Flow, COD, TSS, or Customer Service are assigned to the Other cost component. The Other cost components are then spread among the remaining costs centers proportionately.

Table 3-11 shows the different allocations to the cost components such as the parameters for I&I, Flow, COD, TSS, etc. of each O&M functional cost category. The allocations are calculated based on the functions of each category, provided by the District from the 2000 Wastewater Rates Cost Allocation Update prepared by Carollo Engineers. These allocations were reviewed by W&C (as discussed in Section 3.2.2). Updated allocations were calculated and provided by W&C for Influent Operation, Influent Maintenance, Primary Operation, and Primary Maintenance (as shown in Table 3-6) and are indicated by bold text. Raftelis has reviewed these updated allocations to ensure that they are based on the design function of each expense as they relate to Flow, COD, TSS, I&I and has confirmed that they are reasonable.

**Table 3-11: Allocation to Cost Components - O&M**

| O&M Categories      | I&I        | Flow       | COD | TSS        | Customer | Other  | Total |
|---------------------|------------|------------|-----|------------|----------|--------|-------|
| Interceptor         | 26%        | 74%        |     |            |          |        | 100%  |
| R2                  |            |            |     |            |          | 100%   | 100%  |
| Wet                 | 100%       |            |     |            |          |        | 100%  |
| <b>Influent Op</b>  | <b>26%</b> | <b>74%</b> |     |            |          |        | 100%  |
| <b>Influent Mtn</b> | <b>26%</b> | <b>74%</b> |     |            |          |        | 100%  |
| <b>Primary Op</b>   | <b>11%</b> | <b>23%</b> |     | <b>67%</b> |          |        | 100%  |
| <b>Primary Mtn</b>  | <b>37%</b> | <b>36%</b> |     | <b>28%</b> |          |        | 100%  |
| Secondary Op        | 9%         | 24%        | 34% | 34%        |          |        | 100%  |
| Secondary Mtn       | 17%        | 13%        | 35% | 35%        |          |        | 100%  |
| Sludge Op           |            |            | 31% | 69%        |          |        | 100%  |
| Sludge Mtn          |            |            | 28% | 73%        |          |        | 100%  |
| Lab                 |            |            |     |            |          | 100%   | 100%  |
| Permit              |            |            |     |            |          | 100%   | 100%  |
| I/I                 | 100%       |            |     |            |          |        | 100%  |
| PGS                 | 9%         | 20%        | 32% | 39%        |          |        | 100%  |
| Reclaimed           |            |            |     |            |          | 100%   | 100%  |
| Reimbursed          |            |            |     |            |          | 100%   | 100%  |
| Billing             |            |            |     |            | 100.0%   |        | 100%  |
| Overhead            |            |            |     |            |          | 100.0% | 100%  |

Table 3-12 shows the allocation of O&M expenses (shown in Table 3-9) to the different cost components based on the allocation percentages shown in Table 3-11<sup>9</sup>.

**Table 3-12: Allocation of O&M Expenses to Cost Components**

| O&M Categories                | I&I                | Flow               | COD                | TSS                | Customer           | Other               | Total               |
|-------------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------------|---------------------|
| Interceptor                   | \$723,640          | \$2,059,592        | \$0                | \$0                | \$0                | \$0                 | \$2,783,233         |
| R2                            | \$0                | \$0                | \$0                | \$0                | \$0                | \$2,360,771         | \$2,360,771         |
| Wet                           | \$1,992,871        | \$0                | \$0                | \$0                | \$0                | \$0                 | \$1,992,871         |
| Influent Op                   | \$1,750,381        | \$4,981,854        | \$0                | \$0                | \$0                | \$0                 | \$6,732,235         |
| Influent Mtn                  | \$207,227          | \$589,799          | \$0                | \$0                | \$0                | \$0                 | \$797,026           |
| Primary Op                    | \$2,300            | \$4,938            | \$0                | \$14,576           | \$0                | \$0                 | \$21,814            |
| Primary Mtn                   | \$162,886          | \$157,266          | \$0                | \$122,067          | \$0                | \$0                 | \$442,219           |
| Secondary Op                  | \$295,379          | \$784,395          | \$1,099,465        | \$1,102,747        | \$0                | \$0                 | \$3,281,986         |
| Secondary Mtn                 | \$137,063          | \$105,687          | \$291,466          | \$291,466          | \$0                | \$0                 | \$825,682           |
| Sludge Op                     | \$0                | \$0                | \$2,940,920        | \$6,454,991        | \$0                | \$0                 | \$9,395,911         |
| Sludge Mtn                    | \$0                | \$0                | \$428,736          | \$1,130,304        | \$0                | \$0                 | \$1,559,040         |
| Lab                           | \$0                | \$0                | \$0                | \$0                | \$0                | \$5,813,131         | \$5,813,131         |
| Permit                        | \$0                | \$0                | \$0                | \$0                | \$0                | \$1,142,071         | \$1,142,071         |
| I/I                           | \$3,998,801        | \$0                | \$0                | \$0                | \$0                | \$0                 | \$3,998,801         |
| PGS                           | \$178,435          | \$396,521          | \$634,434          | \$773,216          | \$0                | \$0                 | \$1,982,606         |
| Reclaimed                     | \$0                | \$0                | \$0                | \$0                | \$0                | \$952,791           | \$952,791           |
| Reimbursed                    | \$0                | \$0                | \$0                | \$0                | \$0                | \$217,513           | \$217,513           |
| Billing                       | \$0                | \$0                | \$0                | \$0                | \$2,231,746        | \$0                 | \$2,231,746         |
| Overhead                      | \$0                | \$0                | \$0                | \$0                | \$0                | \$17,394,592        | \$17,394,592        |
| <b>Total O&amp;M Expenses</b> | <b>\$9,448,982</b> | <b>\$9,080,052</b> | <b>\$5,395,021</b> | <b>\$9,889,367</b> | <b>\$2,231,746</b> | <b>\$27,880,869</b> | <b>\$63,926,037</b> |
| % allocation                  | 14.8%              | 14.2%              | 8.4%               | 15.5%              | 3.5%               | 43.6%               |                     |

Capital costs include capital improvements financed from annual revenues, debt service and other sources. Capital costs related to specific facilities will vary significantly from year to year. Allocating these costs based on the functions of these specific facilities could cause the rates to the different customer classes to change from year to year. A reasonable method of assigning capital costs to functional components, widely practiced in the industry, is to allocate such costs on the basis of net plant investment recognizing that over a period of time these allocations will provide costs to be passed on to customers equitably.

Net plant investment is represented by the total asset value of wastewater utility facilities less accumulated depreciation<sup>10</sup>. The estimated fiscal year net plant investment in wastewater facilities consists of the net plants in service as of the end of the Test Year.

Table 3-13 shows the different allocations to the cost components such as I&I, Flow, COD, and TSS of each capital asset. There are no “Customer” or “Other” cost components included because the capital assets are allocated directly to I&I, Flow, COD and TSS. The allocations of the wastewater capital assets were developed for the District in the 2000 Wastewater Rates Cost Allocation Update prepared by Carollo Engineers. These allocations were reviewed by W&C (as discussed in Section 3.2.3). Updated allocations were calculated and provided by W&C for the Secondary Treatment facility (as shown in Table 3-7) and are indicated by bold text. Raftelis has reviewed these updated allocations to ensure that they are based on the design function of each asset as they relate to Flow, COD, TSS, and I&I and has confirmed that they are reasonable.

<sup>9</sup> A detail of O&M expenses by functional categories can be found in Appendix B.

<sup>10</sup> A detail of the District’s fixed assets can be found in Appendix C.

**Table 3-13: Allocation to Cost Components – Capital**

| Assets Categories                            | I&I | Flow | COD | TSS | Total |
|--|-----|------|-----|-----|-------|
| Mwwtp-Chlorine System                        | 50% | 50%  |     |     | 100%  |
| Mwwtp-Chlorination Building                  | 50% | 50%  |     |     | 100%  |
| Mwwtp-Outfall Land                           | 50% | 50%  |     |     | 100%  |
| Mwwtp-Outfall Submarine                      | 50% | 50%  |     |     | 100%  |
| Mwwtp-Outfall Bridge                         | 50% | 50%  |     |     | 100%  |
| Mwwtp-Effluent Pump Station                  | 50% | 50%  |     |     | 100%  |
| Mwwtp-Water Pump Station #3                  | 50% | 50%  |     |     | 100%  |
| Mwwtp-Process Water Plant                    | 50% | 50%  |     |     | 100%  |
| Mwwtp-Dechlorination Station                 | 50% | 50%  |     |     | 100%  |
| Mwwtp-Filter Plant Solids Handling Facility  | 50% | 50%  |     |     | 100%  |
| Mwwtp-Sodium Bisulfite Area                  | 50% | 50%  |     |     | 100%  |
| Mwwtp-Grounds & Improvements                 | 45% | 24%  | 11% | 20% | 100%  |
| Mwwtp-Administration and Lab Building        | 45% | 24%  | 11% | 20% | 100%  |
| Mwwtp-Administration and Lab Center          | 45% | 24%  | 11% | 20% | 100%  |
| Mwwtp-Maintenance Center                     | 45% | 24%  | 11% | 20% | 100%  |
| Mwwtp-Piping for Plant Utilities             | 45% | 24%  | 11% | 20% | 100%  |
| Mwwtp-Bulk Storage Area                      | 45% | 24%  | 11% | 20% | 100%  |
| Mwwtp-Field Services Bldg                    | 45% | 24%  | 11% | 20% | 100%  |
| Wastewater Land - General                    | 45% | 24%  | 11% | 20% | 100%  |
| All Wastewater Portable Equipment            | 45% | 24%  | 11% | 20% | 100%  |
| Mwwtp-Aerated Grit Tanks                     | 45% | 24%  | 11% | 20% | 100%  |
| Mwwtp-Grit Dewatering Station                | 61% |      |     | 39% | 100%  |
| Mwwtp-Influent Pump Station                  | 61% | 39%  |     |     | 100%  |
| North Interceptor                            | 61% | 39%  |     |     | 100%  |
| South Interceptor                            | 61% | 39%  |     |     | 100%  |
| Alameda Interceptor                          | 61% | 39%  |     |     | 100%  |
| Estuary Crossing                             | 61% | 39%  |     |     | 100%  |
| Central Avenue Interceptor                   | 61% | 39%  |     |     | 100%  |
| South Foothill Interceptor                   | 61% | 39%  |     |     | 100%  |
| Adeline Street Interceptor                   | 61% | 39%  |     |     | 100%  |
| Powell Street Interceptor                    | 61% | 39%  |     |     | 100%  |
| ANAS Interceptor                             | 61% | 39%  |     |     | 100%  |
| Wood St Interceptor                          | 61% | 39%  |     |     | 100%  |
| Pump Station A-Albany                        | 61% | 39%  |     |     | 100%  |
| Pump Station B-Fernside                      | 68% | 32%  |     |     | 100%  |
| Pump Station C-Krusi Park                    | 61% | 39%  |     |     | 100%  |
| Pump Station D-Oak Street                    | 40% | 60%  |     |     | 100%  |
| Pump Station E-Grand Street                  | 82% | 18%  |     |     | 100%  |
| Pump Station F-Atlantic Avenue               | 86% | 14%  |     |     | 100%  |
| Pump Station G-Airport                       | 21% | 79%  |     |     | 100%  |
| Pump Station H-Fruitvale                     | 23% | 77%  |     |     | 100%  |
| Pump Station J-Frederick Street              | 51% | 49%  |     |     | 100%  |
| Pump Station K-7Th Street                    | 22% | 78%  |     |     | 100%  |
| Pump Station L                               | 40% | 60%  |     |     | 100%  |
| Pump Station Q- Wet Weather Page St Berkeley | 68% | 32%  |     |     | 100%  |
| Pump Station N (new)                         | 43% | 57%  |     |     | 100%  |
| ANAS Pump Station R                          | 43% | 57%  |     |     | 100%  |

### Allocation to Cost Components – Capital (continued)

| Assets Categories                                  | I&I       | Flow       | COD        | TSS        | Total |
|--|-----------|------------|------------|------------|-------|
| Pump Station M - Bridgeway                         | 69%       | 31%        |            |            | 100%  |
| Mwwtp-Reactor Deck Area-Oxygen Production          |           |            | 50%        | 50%        | 100%  |
| <b>Mwwtp-Secondary Treatment Facility</b>          | <b>3%</b> | <b>21%</b> | <b>38%</b> | <b>38%</b> | 100%  |
| Mwwtp-Power Generation Station                     |           | 24.0%      | 35.0%      | 41.0%      | 100%  |
| Mwwtp-Scum Dewatering Station                      |           |            |            | 100%       | 100%  |
| Mwwtp-Chemical Trench                              | 50%       | 50%        |            |            | 100%  |
| Mwwtp-Pre-Chlorination Facility                    | 50%       | 50%        |            |            | 100%  |
| Mwwtp-Chemical Storage Building (Relocated)        |           |            | 30%        | 70%        | 100%  |
| Mwwtp-Sludge Digestion Facilities                  |           |            | 30%        | 70%        | 100%  |
| Mwwtp-Sludge Dewatering Facilities                 |           |            | 30%        | 70%        | 100%  |
| Mwwtp-Temp Sludge Dewatering Facility              |           |            | 30%        | 70%        | 100%  |
| Mwwtp-Odor Control at Sludge Thickener             |           |            | 30%        | 70%        | 100%  |
| Mwwtp-Composting Facility                          |           |            | 30%        | 70%        | 100%  |
| Pt. Isabel Tp-Treatment & Pretreatment Structures  | 100%      |            |            |            | 100%  |
| Mwwtp-Mid-Plant Pump Station                       | 100%      |            |            |            | 100%  |
| Mwwtp-Wet Weather Pump Station                     | 100%      |            |            |            | 100%  |
| Mwwtp-Washdown Pump Station                        | 100%      |            |            |            | 100%  |
| Oakport Wet Weather-Pretreatment Structure         | 100%      |            |            |            | 100%  |
| Oakport Wet Weather-Pretreatment Structure         | 100%      |            |            |            | 100%  |
| Mwwtp-Channel Crossing for Bypass Channel          | 100%      |            |            |            | 100%  |
| Mwwtp 90" Pipe-Primry Effluent Bypass              | 100%      |            |            |            | 100%  |
| Mwwtp 72" Pipe-Primry Influent Bypass              | 100%      |            |            |            | 100%  |
| Mwwtp-Diversion Structure                          | 100%      |            |            |            | 100%  |
| Mwwtp-Bypass Inlet Structure                       | 100%      |            |            |            | 100%  |
| North Interceptor Junction Storage                 | 100%      |            |            |            | 100%  |
| Mwwtp-Bypass Outlet Structure                      | 100%      |            |            |            | 100%  |
| Mwwtp-Final Effluent Bypass Channel                | 100%      |            |            |            | 100%  |
| Mwwtp-Storage Basin                                | 100%      |            |            |            | 100%  |
| Oakport WW-Chlor System                            | 100%      |            |            |            | 100%  |
| Oakport WW-DeChlor System                          | 100%      |            |            |            | 100%  |
| Oakport WW-Control Bldg                            | 100%      |            |            |            | 100%  |
| Oakport WW-Emg Gen                                 | 100%      |            |            |            | 100%  |
| Oakport WW-Drainage                                | 100%      |            |            |            | 100%  |
| Oakport WW-Storage Bldg.                           | 100%      |            |            |            | 100%  |
| Oakport WW-Lscape/Pav/Fence                        | 100%      |            |            |            | 100%  |
| San Antonio Creek Wet Weather TP                   | 100%      |            |            |            | 100%  |
| San Antonio Creek Ww Dechlorination Facility       | 100%      |            |            |            | 100%  |
| San Antonio Creek Ww Outfall Structure             | 100%      |            |            |            | 100%  |
| San Antonio Creek Ww Gravity Sewer                 | 100%      |            |            |            | 100%  |
| San Antonio Creek Ww Lake Merritt Channel Crossing | 100%      |            |            |            | 100%  |
| San Antonio Creek Ww Outfall Subequacous Pipeline  | 100%      |            |            |            | 100%  |
| Versailles interceptor                             | 100%      |            |            |            | 100%  |

Table 3-14 shows the allocation of the RCLD value of the wastewater assets (shown in Table 3-10) to the different cost components based on the allocation percentages shown in Table 3-13.

**Table 3-14: Allocation of Wastewater Assets to Cost Components**

| Assets Categories                            | I&I          | Flow         | COD         | TSS         | Total        |
|--|--------------|--------------|-------------|-------------|--------------|
| Mwwtp-Chlorine System                        | \$93,095     | \$93,095     | \$0         | \$0         | \$186,190    |
| Mwwtp-Chlorination Building                  | \$1,390,334  | \$1,390,334  | \$0         | \$0         | \$2,780,669  |
| Mwwtp-Outfall Land                           | \$2,457,079  | \$2,457,079  | \$0         | \$0         | \$4,914,159  |
| Mwwtp-Outfall Submarine                      | \$4,602,741  | \$4,602,741  | \$0         | \$0         | \$9,205,483  |
| Mwwtp-Outfall Bridge                         | \$109,099    | \$109,099    | \$0         | \$0         | \$218,197    |
| Mwwtp-Effluent Pump Station                  | \$5,194,206  | \$5,194,206  | \$0         | \$0         | \$10,388,412 |
| Mwwtp-Water Pump Station #3                  | \$431,661    | \$431,661    | \$0         | \$0         | \$863,322    |
| Mwwtp-Process Water Plant                    | \$16,459     | \$16,459     | \$0         | \$0         | \$32,917     |
| Mwwtp-Dechlorination Station                 | \$4,360,123  | \$4,360,123  | \$0         | \$0         | \$8,720,247  |
| Mwwtp-Filter Plant Solids Handling Facility  | \$11,313,030 | \$11,313,030 | \$0         | \$0         | \$22,626,059 |
| Mwwtp-Sodium Bisulfite Area                  | \$415,640    | \$415,640    | \$0         | \$0         | \$831,280    |
| Mwwtp-Grounds & Improvements                 | \$18,559,527 | \$9,757,955  | \$4,592,631 | \$8,342,685 | \$41,252,798 |
| Mwwtp-Administration and Lab Building        | \$7,311,598  | \$3,844,185  | \$1,809,285 | \$3,286,633 | \$16,251,701 |
| Mwwtp-Administration and Lab Center          | \$8,337,974  | \$4,383,817  | \$2,063,266 | \$3,747,999 | \$18,533,056 |
| Mwwtp-Maintenance Center                     | \$6,283,131  | \$3,303,452  | \$1,554,787 | \$2,824,328 | \$13,965,697 |
| Mwwtp-Piping for Plant Utilities             | \$3,804,409  | \$2,000,226  | \$941,417   | \$1,710,118 | \$8,456,170  |
| Mwwtp-Bulk Storage Area                      | \$677,525    | \$356,219    | \$167,656   | \$304,554   | \$1,505,954  |
| Mwwtp-Field Services Bldg                    | \$1,588,817  | \$835,345    | \$393,159   | \$714,189   | \$3,531,511  |
| Wastewater Land - General                    | \$8,475,181  | \$4,455,956  | \$2,097,218 | \$3,809,675 | \$18,838,029 |
| All Wastewater Portable Equipment            | \$4,059,154  | \$2,134,162  | \$1,004,454 | \$1,824,628 | \$9,022,399  |
| Mwwtp-Aerated Grit Tanks                     | \$3,381,687  | \$0          | \$0         | \$2,162,062 | \$5,543,750  |
| Mwwtp-Grit Dewatering Station                | \$6,941,923  | \$4,438,279  | \$0         | \$0         | \$11,380,202 |
| Mwwtp-Influent Pump Station                  | \$20,034,394 | \$12,808,875 | \$0         | \$0         | \$32,843,269 |
| North Interceptor                            | \$35,638,620 | \$22,785,347 | \$0         | \$0         | \$58,423,966 |
| South Interceptor                            | \$30,546,598 | \$19,529,792 | \$0         | \$0         | \$50,076,391 |
| Alameda Interceptor                          | \$12,655,234 | \$8,091,051  | \$0         | \$0         | \$20,746,285 |
| Estuary Crossing                             | \$669,257    | \$427,886    | \$0         | \$0         | \$1,097,142  |
| Central Avenue Interceptor                   | \$7,320,534  | \$4,680,341  | \$0         | \$0         | \$12,000,875 |
| South Foothill Interceptor                   | \$17,800,035 | \$11,380,350 | \$0         | \$0         | \$29,180,384 |
| Adeline Street Interceptor                   | \$15,108,597 | \$9,659,595  | \$0         | \$0         | \$24,768,192 |
| Powell Street Interceptor                    | \$2,459,929  | \$1,572,742  | \$0         | \$0         | \$4,032,671  |
| ANAS Interceptor                             | \$2,829,057  | \$1,808,741  | \$0         | \$0         | \$4,637,798  |
| Wood St Interceptor                          | \$13,484,020 | \$8,620,931  | \$0         | \$0         | \$22,104,951 |
| Pump Station A-Albany                        | \$2,201,422  | \$1,035,963  | \$0         | \$0         | \$3,237,385  |
| Pump Station B-Fernside                      | \$3,407,090  | \$2,178,303  | \$0         | \$0         | \$5,585,393  |
| Pump Station C-Krusi Park                    | \$4,853,859  | \$7,280,789  | \$0         | \$0         | \$12,134,648 |
| Pump Station D-Oak Street                    | \$1,274,766  | \$279,827    | \$0         | \$0         | \$1,554,592  |
| Pump Station E-Grand Street                  | \$1,204,478  | \$196,078    | \$0         | \$0         | \$1,400,556  |
| Pump Station F-Atlantic Avenue               | \$353,889    | \$1,331,297  | \$0         | \$0         | \$1,685,186  |
| Pump Station G-Airport                       | \$643,011    | \$2,152,689  | \$0         | \$0         | \$2,795,700  |
| Pump Station H-Fruitvale                     | \$4,925,355  | \$4,732,204  | \$0         | \$0         | \$9,657,560  |
| Pump Station J-Frederick Street              | \$276,543    | \$980,470    | \$0         | \$0         | \$1,257,012  |
| Pump Station K-7Th Street                    | \$564,839    | \$847,259    | \$0         | \$0         | \$1,412,098  |
| Pump Station L                               | \$3,410,638  | \$1,605,006  | \$0         | \$0         | \$5,015,645  |
| Pump Station Q- Wet Weather Page St Berkeley | \$238,515    | \$316,171    | \$0         | \$0         | \$554,685    |
| Pump Station N (new)                         | \$2,496      | \$3,309      | \$0         | \$0         | \$5,806      |
| ANAS Pump Station R                          | \$1,475,713  | \$8,362,376  | \$0         | \$0         | \$9,838,090  |

### Allocation of Wastewater Assets to Cost Components (continued)

| Assets Categories                                  | I&I                  | Flow                 | COD                  | TSS                  | Total                  |
|--|----------------------|----------------------|----------------------|----------------------|------------------------|
| Pump Station M - Bridgeway                         | \$1,953,114          | \$877,486            | \$0                  | \$0                  | \$2,830,600            |
| Mwwtp-Reactor Deck Area-Oxygen Production          | \$0                  | \$0                  | \$2,821,283          | \$2,821,283          | \$5,642,565            |
| Mwwtp-Secondary Treatment Facility                 | \$1,703,038          | \$14,373,637         | \$26,022,414         | \$26,022,414         | \$68,121,502           |
| Mwwtp-Power Generation Station                     | \$0                  | \$18,586,199         | \$27,104,873         | \$31,751,423         | \$77,442,495           |
| Mwwtp-Scum Dewatering Station                      | \$0                  | \$0                  | \$0                  | \$9,352,008          | \$9,352,008            |
| Mwwtp-Chemical Trench                              | \$446,839            | \$446,839            | \$0                  | \$0                  | \$893,677              |
| Mwwtp-Pre-Chlorination Facility                    | \$372,605            | \$372,605            | \$0                  | \$0                  | \$745,210              |
| Mwwtp-Chemical Storage Building (Relocated)        | \$0                  | \$0                  | \$721,106            | \$1,682,580          | \$2,403,686            |
| Mwwtp-Sludge Digestion Facilities                  | \$0                  | \$0                  | \$38,194,747         | \$89,121,076         | \$127,315,822          |
| Mwwtp-Sludge Dewatering Facilities                 | \$0                  | \$0                  | \$10,282,926         | \$23,993,495         | \$34,276,421           |
| Mwwtp-Temp Sludge Dewatering Facility              | \$0                  | \$0                  | \$420,898            | \$982,094            | \$1,402,992            |
| Mwwtp-Odor Control at Sludge Thickener             | \$0                  | \$0                  | \$3,645,712          | \$8,506,662          | \$12,152,375           |
| Mwwtp-Composting Facility                          | \$0                  | \$0                  | \$360,309            | \$840,720            | \$1,201,029            |
| Pt. Isabel Tp-Treatment & Pretreatment Structures  | \$38,484,242         | \$0                  | \$0                  | \$0                  | \$38,484,242           |
| Mwwtp-Mid-Plant Pump Station                       | \$5,416,024          | \$0                  | \$0                  | \$0                  | \$5,416,024            |
| Mwwtp-Wet Weather Pump Station                     | \$1,350,090          | \$0                  | \$0                  | \$0                  | \$1,350,090            |
| Mwwtp-Washdown Pump Station                        | \$162,968            | \$0                  | \$0                  | \$0                  | \$162,968              |
| Oakport Wet Weather-Pretreatment Structure         | \$10,353,021         | \$0                  | \$0                  | \$0                  | \$10,353,021           |
| Oakport Wet Weather-Pretreatment Structure         | \$2,403,306          | \$0                  | \$0                  | \$0                  | \$2,403,306            |
| Mwwtp-Channel Crossing for Bypass Channel          | \$6,247,609          | \$0                  | \$0                  | \$0                  | \$6,247,609            |
| Mwwtp 90" Pipe-Primry Effluent Bypass              | \$2,793,630          | \$0                  | \$0                  | \$0                  | \$2,793,630            |
| Mwwtp 72" Pipe-Primry Influent Bypass              | \$2,552,927          | \$0                  | \$0                  | \$0                  | \$2,552,927            |
| Mwwtp-Diversion Structure                          | \$27,553,044         | \$0                  | \$0                  | \$0                  | \$27,553,044           |
| Mwwtp-Bypass Inlet Structure                       | \$10,480,288         | \$0                  | \$0                  | \$0                  | \$10,480,288           |
| North Interceptor Junction Storage                 | \$863,142            | \$0                  | \$0                  | \$0                  | \$863,142              |
| Mwwtp-Bypass Outlet Structure                      | \$616,410            | \$0                  | \$0                  | \$0                  | \$616,410              |
| Mwwtp-Final Effluent Bypass Channel                | \$8,548,717          | \$0                  | \$0                  | \$0                  | \$8,548,717            |
| Mwwtp-Storage Basin                                | \$26,506,411         | \$0                  | \$0                  | \$0                  | \$26,506,411           |
| Oakport WW-Chlor System                            | \$177,325            | \$0                  | \$0                  | \$0                  | \$177,325              |
| Oakport WW-DeChlor System                          | \$149,286            | \$0                  | \$0                  | \$0                  | \$149,286              |
| Oakport WW-Control Bldg                            | \$847,594            | \$0                  | \$0                  | \$0                  | \$847,594              |
| Oakport WW-Emg Gen                                 | \$632,197            | \$0                  | \$0                  | \$0                  | \$632,197              |
| Oakport WW-Drainage                                | \$1,050,006          | \$0                  | \$0                  | \$0                  | \$1,050,006            |
| Oakport WW-Storage Bldg.                           | \$633,213            | \$0                  | \$0                  | \$0                  | \$633,213              |
| Oakport WW-Lscape/Pav/Fence                        | \$3,344,044          | \$0                  | \$0                  | \$0                  | \$3,344,044            |
| San Antonio Creek Wet Weather TP                   | \$12,622,514         | \$0                  | \$0                  | \$0                  | \$12,622,514           |
| San Antonio Creek Ww Dechlorination Facility       | \$5,917,619          | \$0                  | \$0                  | \$0                  | \$5,917,619            |
| San Antonio Creek Ww Outfall Structure             | \$2,787,508          | \$0                  | \$0                  | \$0                  | \$2,787,508            |
| San Antonio Creek Ww Gravity Sewer                 | \$588,791            | \$0                  | \$0                  | \$0                  | \$588,791              |
| San Antonio Creek Ww Lake Merritt Channel Crossing | \$1,587,448          | \$0                  | \$0                  | \$0                  | \$1,587,448            |
| San Antonio Creek Ww Outfall Subequacous Pipeline  | \$2,484,495          | \$0                  | \$0                  | \$0                  | \$2,484,495            |
| Versailles interceptor                             | \$989,726            | \$632,776            | \$0                  | \$0                  | \$1,622,502            |
| <b>Total Assets</b>                                | <b>\$465,802,474</b> | <b>\$233,849,995</b> | <b>\$124,198,140</b> | <b>\$223,800,627</b> | <b>\$1,047,651,236</b> |
| % allocation                                       | 44.5%                | 22.3%                | 11.9%                | 21.4%                |                        |



### 3.6. Allocation of Revenue Requirements

The total revenue requirements net of revenue credits from miscellaneous sources is, by definition, the net revenue requirement or net cost of providing service as shown in Table 3-15. This cost is then used as the basis to develop unit costs for the wastewater parameters and to allocate costs to the various customer classes in proportion to the services rendered. The concept of proportionate allocation to customer classes requires that allocations should take into consideration not only the volume of wastewater discharge used but also strength loadings associated with the wastewater flow.

The annual revenue requirement or cost of service to be recovered from wastewater charges includes operation and maintenance expenses and other non-operating expenses. O&M expenses include costs directly related to the collection, treatment, and disposal of wastewater and maintenance of system facilities as shown in Table 3-12.

The total Test Year cost of service to be recovered from the District's wastewater customers, shown in Table 3-15, is based on the FY 2017 budget provided by the District and estimated at approximately \$91.5 million. Of this, approximately \$47.3 million are operating costs and the remaining \$44.2 million are capital costs, which consists of capital expenditures and existing debt service. The cost of service analysis is based upon the premise that the utility must generate annual revenues adequate to meet the estimated annual revenue requirements. As part of the cost of service analysis, revenues from sources other than wastewater rates and charges (e.g., revenues from miscellaneous services) are deducted from the appropriate cost elements. Additional deductions are made to reflect interest income and other non-operating income during the Test Year. Adjustments are also made to account for changes in cash balances to fund reserves and/or capital expenses to ensure adequate collection of revenue and to determine annual revenues needed from rates.

Table 3-15 shows the allocation of revenue requirements to operating and capital components to determine the revenue required from rates.

**Table 3-15: Allocation of Revenue Requirements**

|   | FY 2017             |                     |                      |
|---|---------------------|---------------------|----------------------|
|   | Operating           | Capital             | Total                |
| <b>Revenue Requirements</b>                         |                     |                     |                      |
| O&M Expenses  | \$63,926,037        |                     | \$63,926,037         |
| Existing Debt Service                               |                     | \$33,301,178        | \$33,301,178         |
| Proposed Debt Service                               |                     | \$0                 | \$0                  |
| Admin Capital                                       |                     | \$0                 | \$0                  |
| Rate Funded Capital                                 |                     | \$27,954,400        | \$27,954,400         |
| <b>Total Revenue Requirements</b>                   | <b>\$63,926,037</b> | <b>\$61,255,578</b> | <b>\$125,181,615</b> |
| <b>Revenue Offsets</b>                              |                     |                     |                      |
| Resource Recovery                                   | \$7,248,557         | \$4,655,692         | \$11,904,249         |
| Property Taxes, less customer assistance            |                     | \$4,514,980         | \$4,514,980          |
| Ad Valorem Bond Levy                                |                     | \$2,865,215         | \$2,865,215          |
| Interest  | \$485,439           |                     | \$485,439            |
| Laboratory Services                                 | \$4,210,262         |                     | \$4,210,262          |
| Reimbursements                                      | \$1,475,502         |                     | \$1,475,502          |
| Permit Fees   | \$1,592,767         |                     | \$1,592,767          |
| Capacity Charges                                    |                     | \$0                 | \$0                  |
| All Other Revenue                                   |                     |                     |                      |
| BABS REBATE   |                     | \$2,504,058         | \$2,504,058          |
| PSL FEES  | \$1,126,722         |                     | \$1,126,722          |
| PGS ENERGY SALES                                    |                     | \$900,014           | \$900,014            |
| MISC <sup>11</sup>                                  | \$494,820           |                     | \$494,820            |
| Transfer (to)/from Rate Stabilization Reserve (RSR) | \$0                 |                     | \$0                  |
| <b>Total Revenue Offsets</b>                        | <b>\$16,634,069</b> | <b>\$15,439,958</b> | <b>\$32,074,027</b>  |
| <b>Adjustments</b>                                  |                     |                     |                      |
| Annual Cash Balance                                 |                     | \$1,619,175         | \$1,619,175          |
| <b>Total Adjustments</b>                            | <b>\$0</b>          | <b>\$1,619,175</b>  | <b>\$1,619,175</b>   |
| <b>Cost of Service to be Recovered from Rates</b>   | <b>\$47,291,967</b> | <b>\$44,196,445</b> | <b>\$91,488,412</b>  |

### 3.7. Development of Unit Costs of Service

In order to allocate costs of service to the different customer classes, unit costs of service need to be developed for each cost component. The unit costs of service are developed by dividing the total annual costs allocated to each component by the total annual service units of the respective cost component.

The unit costs of service are developed by dividing the total annual costs by the appropriate service units, such as flow, COD or TSS generated in the system, and accounts for billing costs. Table 3-16 shows the service units, such as annual flow, total pounds of COD and TSS, bills, etc. for each customer class. These service units are determined from the plant balance shown in Table 3-8 and FY 2017 consumption data provided by the District<sup>12</sup>.

<sup>11</sup> Miscellaneous revenue includes billboard revenue and lease revenue.

<sup>12</sup> Number of parcels for FY 2017 provided by the District.



**Table 3-16: Customer Class Service Units**

| Customer Class                  |                              | Flow (ccf)        | COD (lbs/yr)       | TSS (lbs/yr)      | Accounts       | Bills            | Parcels        |
|---------------------------------|------------------------------|-------------------|--------------------|-------------------|----------------|------------------|----------------|
| <b>Residential</b>              |                              |                   |                    |                   |                |                  |                |
| 8800                            | Single Family                | 8,292,421         | 36,882,062         | 15,529,289        | 145,582        | 1,746,984        | 104,958        |
| 6514                            | MFR 2-4 Units                | 2,038,675         | 9,067,381          | 3,817,844         | 14,729         | 176,748          | 54,920         |
| <b>Subtotal Residential</b>     |                              | <b>10,331,096</b> | <b>45,949,443</b>  | <b>19,347,134</b> | <b>160,311</b> | <b>1,923,732</b> | <b>159,878</b> |
| <b>Non-Residential</b>          |                              |                   |                    |                   |                |                  |                |
| 2010                            | Meat Products                | 4,776             | 231,114            | 12,522            |                |                  |                |
| 2011                            | Slaughterhouses              | 944               | 19,034             | 8,250             |                |                  |                |
| 2020                            | Dairy Product Processing     | 5,917             | 202,816            | 14,405            |                |                  |                |
| 2030                            | Fruit and Vegetable Canning  | 0                 | 0                  | 0                 |                |                  |                |
| 2040                            | Grain Mills                  | 4,955             | 67,943             | 23,819            |                |                  |                |
| 2050                            | Bakeries                     | 22,221            | 761,665            | 166,454           |                |                  |                |
| 2060                            | Sugar Processing             | 4,372             | 141,043            | 819               |                |                  |                |
| 2077                            | Rendering Tallow             | 0                 | 0                  | 0                 |                |                  |                |
| 2080                            | Beverage Mfgr & Bottling     | 99,255            | 1,921,219          | 80,546            |                |                  |                |
| 2090                            | Specialty Foods Mfgr         | 9,014             | 872,389            | 73,149            |                |                  |                |
| 2600                            | Pulp and Paper Products      | 3,716             | 40,463             | 14,847            |                |                  |                |
| 2810                            | Inorganic Chemicals Mfgr     | 2,869             | 5,785              | 25,073            |                |                  |                |
| 2820                            | Synthetic Material Mfgr      | 2,620             | 1,585              | 491               |                |                  |                |
| 2830                            | Drug Mfgr                    | 121,476           | 1,518,571          | 53,081            |                |                  |                |
| 2840                            | Cleaning and Sanitation Prod | 839               | 23,683             | 2,200             |                |                  |                |
| 2850                            | Paint Mfgr                   | 140               | 6,775              | 1,224             |                |                  |                |
| 2893                            | Ink and Pigment Mfgr         | 0                 | 0                  | 0                 |                |                  |                |
| 3110                            | Leather Tanning/Finishing    | 0                 | 0                  | 0                 |                |                  |                |
| 3200                            | Earthenware Mfgr             | 8,157             | 19,736             | 28,005            |                |                  |                |
| 3300                            | Primary Metals Mfgr          | 17,075            | 30,985             | 38,372            |                |                  |                |
| 3400                            | Metal Prod Fabricating       | 12,835            | 20,703             | 2,404             |                |                  |                |
| 3410                            | Drum and Barrel Mfgr         | 0                 | 0                  | 0                 |                |                  |                |
| 3470                            | Metal Coating                | 4,660             | 7,516              | 2,036             |                |                  |                |
| 4500                            | Air Transportation           | 95,439            | 481,078            | 59,576            |                |                  |                |
| 5812                            | Food Service Establishment   | 778,957           | 8,795,348          | 4,570,780         |                |                  |                |
| 6513                            | Apartment Bldgs (5+ units)   | 4,946,864         | 22,002,084         | 9,264,035         |                |                  |                |
| 7000                            | Hotels, Motels with Food     | 182,844           | 958,529            | 776,137           |                |                  |                |
| 7210                            | Commercial Laundries         | 16,536            | 190,045            | 31,999            |                |                  |                |
| 7215                            | Coin Operated Laundromats    | 247,521           | 1,796,661          | 293,572           |                |                  |                |
| 7218                            | Industrial Laundries         | 61,921            | 3,370,948          | 286,034           |                |                  |                |
| 7300                            | Laboratories                 | 73,470            | 281,461            | 36,690            |                |                  |                |
| 7542                            | Auto Washing and Polishing   | 46,252            | 270,446            | 57,744            |                |                  |                |
| 8060                            | Hospitals                    | 196,797           | 634,876            | 331,688           |                |                  |                |
| 8200                            | Schools                      | 727,541           | 2,053,699          | 363,326           |                |                  |                |
|                                 | All Other                    | 2,804,374         | 12,472,968         | 5,251,776         |                |                  |                |
|                                 | Multi-Use Customers          | 147,823           | 1,113,973          | 572,114           |                |                  |                |
| <b>Subtotal Non-Residential</b> |                              | <b>10,652,180</b> | <b>60,315,143</b>  | <b>22,443,169</b> | <b>18,513</b>  | <b>222,156</b>   | <b>15,927</b>  |
| <b>Total</b>                    |                              | <b>20,983,276</b> | <b>106,264,585</b> | <b>41,790,303</b> | <b>178,824</b> | <b>2,145,888</b> | <b>175,805</b> |

Table 3-17 shows the allocation of the revenue offsets from each miscellaneous revenue source to each cost component. The revenue offsets are applied to the capital or operating cost components (I&I, Flow, COD, TSS, etc.) of the revenue requirements based on an overall allocation percentage for O&M and Capital shown at the bottom of Table 3-12 and Table 3-14, respectively, with the following exceptions:

- )] Resource Recovery (R2) Revenue<sup>13</sup>:
  - o Operating - \$7.25 million of R2 revenue is used to offset operating costs. 33% of this revenue is assigned to COD, 11% to TSS, and 34% is assigned to Flow to offset the treatment costs for R2. An additional 22% of R2 revenue is assigned to the Other (general) cost component to offset the R2 program administration costs.<sup>14</sup>
  - o Capital - \$4.66 million of R2 revenue is used to offset the wastewater systems capital costs. \$1.4 million of this revenue is assigned to COD and \$3.26 million is assigned to TSS.
- )] Property Tax Revenue: The District's wastewater system receives approximately \$4.5 million in property tax revenue that does not have specific spending restrictions. Because it is unrestricted, \$400,000 of the property tax revenues are assigned to fund the District's Customer Assistance Program which provides financial assistance to low income customers for the payment of wastewater charges. The wastewater system's remaining property tax revenue is allocated to the wastewater system's capital costs.
- )] Operating Reimbursements: The operating reimbursements, including laboratory services, reimbursements, and permit fees, offset Other (general) costs, because costs for laboratory services and permitting are assigned to the Other cost component.
- )] Private Sewer Lateral Fees: The Private Sewer Lateral (PSL) fees are for the required inspection of private sewer laterals. The revenue from PSL fees are used to offset the Customer cost component since the corresponding PSL expenses are charged to the I&I program, which is reallocated to the Customer cost component.

The percentages, shown in Table 3-17, are applied to the revenue offsets, totaling \$32.07 million, shown in Table 3-15, to determine the amount of offsets to be applied to each cost component.

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<sup>13</sup> The R2 program is based on voluntary agreements entered into by the parties and thus its fees/charges are not subject to Proposition 218 or to detailed cost-based justifications.

<sup>14</sup> Allocation of the R2 program revenue to offset operating expenses was provided by the District based on an analysis of the treatment of R2 waste.

**Table 3-17: Revenue Offsets Allocation**

| Revenue Offsets Allocation                          | I&I                  | Flow                 | COD                  | TSS                  | Customer             | Other                | Total                 |
|---|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|-----------------------|
| <b>Operating</b>                                    |                      |                      |                      |                      |                      |                      |                       |
| Resource Recovery                                   |                      | 33%                  | 11%                  | 34%                  |                      | 22%                  | 100%                  |
| Interest  | 15%                  | 14%                  | 8%                   | 15%                  | 3%                   | 44%                  | 100%                  |
| Laboratory Services                                 |                      |                      |                      |                      |                      | 100%                 | 100%                  |
| Reimbursements                                      |                      |                      |                      |                      |                      | 100%                 | 100%                  |
| Permit Fees   |                      |                      |                      |                      |                      | 100%                 | 100%                  |
| All Other Revenue                                   |                      |                      |                      |                      |                      |                      | 100%                  |
| PSL FEES  |                      |                      |                      |                      | 100%                 |                      | 100%                  |
| MISC  |                      | 14%                  | 8%                   | 15%                  | 17%                  | 44%                  | 100%                  |
| Transfer (to)/from Rate Stabilization Reserve (RSR) |                      | 14%                  | 8%                   | 15%                  | 17%                  | 44%                  | 100%                  |
| <b>Capital</b>                                      |                      |                      |                      |                      |                      |                      | 100%                  |
| Resource Recovery                                   |                      |                      | 30%                  | 70%                  |                      |                      | 100%                  |
| Property Taxes, less customer assistance            | 100%                 |                      |                      |                      |                      |                      | 100%                  |
| Ad Valorem Bond Levy                                | 44%                  | 22%                  | 12%                  | 21%                  |                      |                      | 100%                  |
| Capacity Charges                                    | 44%                  | 22%                  | 12%                  | 21%                  |                      |                      | 100%                  |
| All Other Revenue                                   |                      |                      |                      |                      |                      |                      | 100%                  |
| BABS REBATE   | 44%                  | 22%                  | 12%                  | 21%                  |                      |                      | 100%                  |
| PGS ENERGY SALES                                    | 44%                  | 22%                  | 12%                  | 21%                  |                      |                      | 100%                  |
| <b>Revenue Offsets</b>                              | <b>(\$7,374,158)</b> | <b>(\$3,930,650)</b> | <b>(\$3,019,996)</b> | <b>(\$7,214,393)</b> | <b>(\$1,229,752)</b> | <b>(\$9,305,079)</b> | <b>(\$32,074,027)</b> |

The Other component is spread proportionally back to the remaining costs components. The calculation of the unit cost for each component is shown at the bottom of Table 3-18. The I&I capital expense will be recovered on the Wet Weather Facilities Charge collected on the property tax bill on each property that is connected to the wastewater system to pay for the capital facilities required to handle the wet weather flows that enter the District's wastewater system through the local collection systems and sewer connections. The I&I operating expense is the portion of the wastewater operating costs that is allocated to the I&I and is recovered on the customer unit cost component because it has no relationship to treatment flow or strength. Table 3-18 shows the calculation of the unit cost for each cost component. Total capital expenses equal debt service, administration of capital, and direct expenses, less transfers from other funds for capital and an adjustment for annual cash balance as shown in Table 3-15.

**Table 3-18: Development of Unit Costs**

|  | I&I                 | Flow                | COD                 | TSS                 | Customer            | Other               | Total               |
|--|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Operating Expenses (Table 3-12)                          | \$9,448,982         | \$9,080,052         | \$5,395,021         | \$9,889,367         | \$2,231,746         | \$27,880,869        | \$63,926,037        |
| I&I Operating Expenses to be Recovered on Customer       | (\$9,448,982)       |                     |                     |                     | \$9,448,982         | \$0                 |                     |
| Adjusted Operating Expenses                              | \$0                 | \$9,080,052         | \$5,395,021         | \$9,889,367         | \$11,680,728        | \$27,880,869        | \$63,926,037        |
| Capital Expenses (less Annual Cash Balance) (Table 3-15) | \$26,515,297        | \$13,311,656        | \$7,069,844         | \$12,739,606        | \$0                 | \$0                 | \$59,636,403        |
| Revenue Offsets (Table 3-17)                             | (\$7,374,158)       | (\$3,930,650)       | (\$3,019,996)       | (\$7,214,393)       | (\$1,229,752)       | (\$9,305,079)       | (\$32,074,027)      |
| <b>Total Cost of Service</b>                             | <b>\$19,141,139</b> | <b>\$18,461,058</b> | <b>\$9,444,869</b>  | <b>\$15,414,580</b> | <b>\$10,450,976</b> | <b>\$18,575,790</b> | <b>\$91,488,412</b> |
| Allocation of Other Cost                                 | \$4,876,546         | \$4,703,284         | \$2,406,249         | \$3,927,139         | \$2,662,572         | (\$18,575,790)      | \$0                 |
| <b>Allocated Cost of Service</b>                         | <b>\$24,017,686</b> | <b>\$23,164,342</b> | <b>\$11,851,117</b> | <b>\$19,341,719</b> | <b>\$13,113,548</b> | <b>\$0</b>          | <b>\$91,488,412</b> |
|  |                     |                     |                     |                     |                     |                     |                     |
| Unit of Service (Table 3-16)                             | 175,805             | 20,983,276          | 106,264,585         | 41,790,303          | 2,145,888           |                     |                     |
|  | parcel              | ccf                 | lbs/yr              | lbs/yr              | bills/yr            |                     |                     |
|  |                     |                     |                     |                     |                     |                     |                     |
| Unit Cost  | \$11.38             | \$1.104             | \$0.112             | \$0.463             | \$6.111             |                     |                     |
|  | per month           | per ccf             |                     |                     | \$/month            |                     |                     |

### 3.8. Allocation of Costs to Customer Class

The unit cost of each of the cost categories shown in Table 3-18 is then applied to the projected Test Year usage and units of each customer class to derive customer class costs.

Table 3-19 shows the allocation of costs to each customer class, based on the service units from Table 3-16 and the unit cost from Table 3-18. This includes the I&I cost component assessed to SFR, MFR with up to 4 dwelling units, and to non-residential overall based on the average I&I parcel unit cost.

**Table 3-19: Allocation of Costs to Customer Class**

| Customer Class         |                              | I&I                 | Flow                | COD                 | TSS                 | Customer            | Total               |
|------------------------|------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| <b>Residential</b>     |                              |                     |                     |                     |                     |                     |                     |
| 8800                   | Single Family                | \$14,338,888        | \$9,154,360         | \$4,113,258         | \$7,187,389         | \$10,675,841        | \$45,469,736        |
| 6514                   | MFR 2-4 Units                | \$7,502,923         | \$2,250,581         | \$1,011,236         | \$1,767,005         | \$1,080,109         | \$13,611,854        |
| <b>Non-Residential</b> |                              | \$2,175,875         | \$0                 | \$0                 | \$0                 | \$1,357,598         | \$3,533,473         |
| 2010                   | Meat Products                |                     | \$5,272             | \$25,775            | \$5,795             |                     | \$36,843            |
| 2011                   | Slaughterhouses              |                     | \$1,042             | \$2,123             | \$3,818             |                     | \$6,983             |
| 2020                   | Dairy Product Processing     |                     | \$6,532             | \$22,619            | \$6,667             |                     | \$35,818            |
| 2030                   | Fruit and Vegetable Canning  |                     | \$0                 | \$0                 | \$0                 |                     | \$0                 |
| 2040                   | Grain Mills                  |                     | \$5,471             | \$7,577             | \$11,024            |                     | \$24,072            |
| 2050                   | Bakeries                     |                     | \$24,531            | \$84,944            | \$77,039            |                     | \$186,515           |
| 2060                   | Sugar Processing             |                     | \$4,826             | \$15,730            | \$379               |                     | \$20,935            |
| 2077                   | Rendering Tallow             |                     | \$0                 | \$0                 | \$0                 |                     | \$0                 |
| 2080                   | Beverage Mfgr & Bottling     |                     | \$109,572           | \$214,263           | \$37,279            |                     | \$361,115           |
| 2090                   | Specialty Foods Mfgr         |                     | \$9,951             | \$97,293            | \$33,856            |                     | \$141,099           |
| 2600                   | Pulp and Paper Products      |                     | \$4,103             | \$4,513             | \$6,872             |                     | \$15,487            |
| 2810                   | Inorganic Chemicals Mfgr     |                     | \$3,167             | \$645               | \$11,605            |                     | \$15,417            |
| 2820                   | Synthetic Material Mfgr      |                     | \$2,892             | \$177               | \$227               |                     | \$3,296             |
| 2830                   | Drug Mfgr                    |                     | \$134,103           | \$169,358           | \$24,567            |                     | \$328,028           |
| 2840                   | Cleaning and Sanitation Prod |                     | \$926               | \$2,641             | \$1,018             |                     | \$4,586             |
| 2850                   | Paint Mfgr                   |                     | \$155               | \$756               | \$566               |                     | \$1,476             |
| 2893                   | Ink and Pigment Mfgr         |                     | \$0                 | \$0                 | \$0                 |                     | \$0                 |
| 3110                   | Leather Tanning/Finishing    |                     | \$0                 | \$0                 | \$0                 |                     | \$0                 |
| 3200                   | Earthenware Mfgr             |                     | \$9,005             | \$2,201             | \$12,962            |                     | \$24,168            |
| 3300                   | Primary Metals Mfgr          |                     | \$18,850            | \$3,456             | \$17,759            |                     | \$40,065            |
| 3400                   | Metal Prod Fabricating       |                     | \$14,169            | \$2,309             | \$1,112             |                     | \$17,590            |
| 3410                   | Drum and Barrel Mfgr         |                     | \$0                 | \$0                 | \$0                 |                     | \$0                 |
| 3470                   | Metal Coating                |                     | \$5,144             | \$838               | \$942               |                     | \$6,925             |
| 4500                   | Air Transportation           |                     | \$105,359           | \$53,652            | \$27,574            |                     | \$186,584           |
| 5812                   | Food Service Establishment   |                     | \$859,924           | \$980,898           | \$2,115,485         |                     | \$3,956,307         |
| 6513                   | Apartment Bldgs (5+ units)   |                     | \$5,461,056         | \$2,453,774         | \$4,287,654         |                     | \$12,202,484        |
| 7000                   | Hotels, Motels with Food     |                     | \$201,849           | \$106,900           | \$359,218           |                     | \$667,967           |
| 7210                   | Commercial Laundries         |                     | \$18,255            | \$21,195            | \$14,810            |                     | \$54,260            |
| 7215                   | Coin Operated Laundromats    |                     | \$273,249           | \$200,372           | \$135,873           |                     | \$609,494           |
| 7218                   | Industrial Laundries         |                     | \$68,357            | \$375,944           | \$132,384           |                     | \$576,685           |
| 7300                   | Laboratories                 |                     | \$81,107            | \$31,390            | \$16,981            |                     | \$129,478           |
| 7542                   | Auto Washing and Polishing   |                     | \$51,060            | \$30,161            | \$26,726            |                     | \$107,947           |
| 8060                   | Hospitals                    |                     | \$217,252           | \$70,804            | \$153,515           |                     | \$441,571           |
| 8200                   | Schools                      |                     | \$803,164           | \$229,038           | \$168,157           |                     | \$1,200,359         |
|                        | All Other                    |                     | \$3,095,869         | \$1,391,043         | \$2,430,669         |                     | \$6,917,581         |
|                        | Multi-Use Customers          |                     | \$163,188           | \$124,235           | \$264,790           |                     | \$552,214           |
| <b>Total Cost</b>      |                              | <b>\$24,017,686</b> | <b>\$23,164,342</b> | <b>\$11,851,117</b> | <b>\$19,341,719</b> | <b>\$13,113,548</b> | <b>\$91,488,412</b> |

The residential user class has the highest assignment of costs at \$59 million and is responsible for 64.6 percent of the total cost of service. The non-residential user classes are responsible for the remaining 35.4 percent of the annual cost of service. I&I cost assignment is based on average I&I unit cost per parcel. The total on Table 3-19 includes I&I contribution of \$24 million from all customer classes.

# 4. Proposed Wastewater User Charges

## 4.1. Setting Individual Component Rates

The revenue requirements and cost of service analyses described in the preceding sections of this report provide a basis for the design of a wastewater user charge structure. Setting rates involves the development of user charge schedules for each user class so as to recover the annual cost of service determined for each user class. This section of the report discusses the development of a schedule of wastewater rates for the District's user classes and analyzes the impact of the proposed changes in cost allocations and rate design on the user classes.

As a result of the COS Study, the District is retaining its current customer classes and rate structure for the wastewater user charges. The District has defined three customer classes for the wastewater system: SFR, MFR, and non-residential. Non-residential customers are further classified based on the type of business operated, which are grouped together or identified based on common characteristics of wastewater contributed to the system, including flow and strength. Together, the rates for the components of the wastewater service fees are structured to proportionately recover the costs of providing wastewater services among the various customer classes

The primary emphasis in the design of rate structures is ordinarily placed on achieving fairness and equity, with the objective of being able to ensure that each customer class pays its proportionate share of costs and to comply with regulatory requirements. However, the individual customer class rates are determined based on the cost of service analysis.

The following subsections discuss how each rate component is calculated. The District's current wastewater rate structure has five components: a Service Charge, a Flow Charge, a Strength Charge, a SF Bay Pollution Prevention Fee, and a Wet Weather Facilities Charge.

1. **Service Charge:** The Service Charge is a fixed monthly charge per service connection and is calculated to recover a portion of the District's customer related costs defined in the COS.
2. **Flow Charge:** The Flow Charge is a variable monthly charge based on a customer's metered water use and assumptions regarding the volume of water returned to the sewer system. The charge recovers the flow related charges defined in the COS.
3. **Strength Charge:** The Strength Charge is based on the estimated amount of COD and TSS that a customer discharges into the sewer system, and is calculated to recover the District's costs of treating COD and TSS as defined in the COS. As residential customers' wastewater is fairly homogeneous, the strength charge is a fixed Treatment Strength Charge.
4. **SF Bay Pollution Prevention Fee:** The Pollution Prevention Fee is a fixed monthly charge that varies for residential and commercial customers based on the costs of the District's pollution prevention programs for residential and commercial customers. The District's pollution prevention programs were established to reduce pollutants at the source and protect the San Francisco Bay.
5. **Wet Weather Facilities Charge (WWFC) collected on the property tax bill:** The Wet Weather Facilities Charge is a fixed annual charge assessed by lot size for properties connected to the wastewater system. It is calculated to recover the District's I&I costs defined in the COS.

## 4.2. Proposed Residential Charges

The District currently has a fixed charge plus Flow Charge rate structure for its residential wastewater customers. One advantage of the fixed charge plus Flow Charge rate structure is that the fixed component can be used to stabilize revenues and to recognize the fact that wastewater system costs are mostly fixed, while the flow or variable component can be used to encourage water conservation. The fixed charges consist of a monthly Service Charge, assessed per account, and a monthly Strength Charge, assessed per dwelling unit. The monthly Strength Charge is assessed per dwelling unit because residential accounts include MFR customers that can have up to four (4) dwelling units. The Flow Charge is assessed per ccf of water usage, with a maximum of 9 ccf per month per dwelling unit. The maximum of 9 ccf per month per dwelling unit is used because an analysis of the billing records shows that about 97 percent of all residential customers' winter use falls within the 9 ccf per month per dwelling unit.

Table 4-1 shows the Test Year COS wastewater charges for residential customers, which includes SFR and MFR up to 4 dwelling units. Apartment buildings with 5 or more dwelling units are considered non-residential customers for wastewater billing purposes because the District does not track the number of individual dwelling units in large apartment buildings. The waste strength concentration for apartments with 5 or more units is assumed to be the same as the domestic strength used for the SFR and MFR up to 4 dwelling units on the basis that apartment dwellers are domestic users that generate residential strength. The revenue requirement for the Service Charge is the customer cost component (refer to Table 3-19), for the Strength Charge is the COD and TSS cost components, and for the Flow Charge is the flow component. The monthly Service Charge is \$6.12 (rounded to the nearest cent from Table 3-18) and the Flow Charge is \$1.11 (rounded to the nearest cent from Table 3-18). The Strength Charge per dwelling unit is based on 20.77 lbs of COD and 8.74 lbs of TSS per month times the unit rates of \$0.112 and \$0.463, respectively, from Table 3-18, for a total of \$6.37. The average monthly charge shown in Table 4-1 is based on 6 ccf per month ( $\$6.12 + \$6.37 + (6 \text{ ccf} \times \$1.11) = \$19.15$ ).

**Table 4-1: Test Year Residential Wastewater Charges**

|  | Revenue Requirements | Units of Service | COD (mg/l) | TSS (mg/l) | Test Year Proposed |
|--|----------------------|------------------|------------|------------|--------------------|
| Service Charge (per account)                   | \$11,755,950         | 1,923,732        |            |            | \$6.12             |
| Strength Charge (per dwelling unit)            | \$14,078,888         | 2,212,512        | 713        | 300        | \$6.37             |
| Minimum monthly charge per household           |                      |                  |            |            | \$12.49            |
| Plus: A flow charge per ccf (maximum of 9 ccf) | \$11,404,941         | 10,331,096       |            |            | \$1.11             |
| Minimum monthly charge at 0 units              |                      |                  |            |            | \$0.00             |
| Maximum monthly charge at 9 ccf                |                      |                  |            |            | \$9.99             |
| Total Residential Charge                       |                      |                  |            |            |                    |
| Minimum monthly charge                         |                      |                  |            |            | \$12.49            |
| Maximum monthly charge                         |                      |                  |            |            | \$22.48            |
| Average monthly charge at 6 ccf                |                      |                  |            |            | \$19.15            |

## 4.3. Proposed Non-Residential Charges

Similarly, the District is retaining the current rate structure and classification of customer groups based on the strength of their wastewater discharges. Non-residential customers will pay the same fixed charges as residential customers, assessed per meter, and will be charged a Flow Charge based on their actual water usage and their user classification.

Table 4-2 shows the Test Year COS wastewater charges for non-residential customers. The revenue requirement for the fixed charge is the customer component (refer to Table 3-19) and the Flow Charge is the sum of the flow, COD and TSS components. The monthly service charge is \$6.12 (rounded to the nearest cent from Table 3-18). The treatment charge is the combined flow and strength treatment rates from the unit rates in Table 3-18 of \$1.104 per ccf for flow, \$0.112 per pound of COD, and \$0.463 per pound of TSS. These unit rates are applied to one (1) ccf of flow and the pounds of COD and TSS based on the assumed concentrations listed in Table 4-2. For example, non-residential customers that produce meat products have a Strength Charge based on 48.37 lbs of COD and 2.62 lbs of TSS per month times the unit rates of \$0.112 and \$0.463, respectively, from Table 3-18 for a total of \$6.63. To this the flow charge of \$1.104 is added for a total of \$7.74 (rounded to the nearest cent).



**Table 4-2: Test Year Non-Residential Wastewater Charges**

|  | Revenue Requirements | Units of Service | COD (mg/l) | TSS (mg/l) | Test Year Proposed |
|--|----------------------|------------------|------------|------------|--------------------|
| Monthly Service Charge (per meter)   | \$1,357,598          | 222,156          |            |            | \$6.12             |
| Treatment charge including flow processing (per ccf of sewage discharge)                           |                      |                  |            |            |                    |
| Meat Products  | \$36,843             | 4,776            | 7,752      | 420        | \$7.74             |
| Slaughterhouses  | \$6,983              | 944              | 3,230      | 1,400      | \$7.41             |
| Dairy Product Processing   | \$35,818             | 5,917            | 5,491      | 390        | \$6.07             |
| Fruit and Vegetable Canning  | \$0                  | 0                | 0          | 370        | \$4.89             |
| Grain Mills  | \$24,072             | 4,955            | 2,196      | 770        | \$4.87             |
| Bakeries (including Pastries)  | \$186,515            | 22,221           | 5,491      | 1,200      | \$8.41             |
| Sugar Processing   | \$20,935             | 4,372            | 5,168      | 30         | \$4.81             |
| Rendering Tallow   | \$0                  | 0                | 0          | 3,500      | \$14.61            |
| Beverage Manufacturing & Bottling  | \$361,115            | 99,255           | 3,101      | 130        | \$3.65             |
| Specialty Foods Manufacturing  | \$141,099            | 9,014            | 15,504     | 1,300      | \$15.70            |
| Pulp and Paper Products  | \$15,487             | 3,716            | 1,744      | 640        | \$4.18             |
| Inorganic Chemicals Mfgr.  | \$15,417             | 2,869            | 323        | 1,400      | \$5.38             |
| Synthetic Material Manufacturing   | \$3,296              | 2,620            | 97         | 30         | \$1.26             |
| Drug Manufacturing   | \$328,028            | 121,476          | 2,003      | 70         | \$2.71             |
| Cleaning and Sanitation Products   | \$4,586              | 839              | 4,522      | 420        | \$5.48             |
| Paint Manufacturing  | \$1,476              | 140              | 7,752      | 1,400      | \$10.57            |
| Ink and Pigment Manufacturing  | \$0                  | 0                | 0          | 80         | \$3.82             |
| Leather Tanning and Finishing  | \$0                  | 0                | 0          | 1,700      | \$14.60            |
| Earthenware Manufacturing  | \$24,168             | 8,157            | 388        | 550        | \$2.97             |
| Primary Metals Manufacturing   | \$40,065             | 17,075           | 291        | 360        | \$2.35             |
| Metal Products Fabricating   | \$17,590             | 12,835           | 258        | 30         | \$1.38             |
| Drum and Barrel Manufacturing  | \$0                  | 0                | 0          | 1,400      | \$14.86            |
| Metal Coating  | \$6,925              | 4,660            | 258        | 70         | \$1.49             |
| Air Transportation   | \$186,584            | 95,439           | 808        | 100        | \$1.96             |
| Food Service Establishments  | \$3,956,307          | 778,957          | 1,809      | 940        | \$5.09             |
| Apartment Buildings (5 or more units)  | \$12,202,484         | 4,946,864        | 713        | 300        | \$2.47             |
| Hotels, Motels with Food Service   | \$667,967            | 182,844          | 840        | 680        | \$3.66             |
| Commercial Laundries   | \$54,260             | 16,536           | 1,841      | 310        | \$3.29             |
| Coin Operated Laundromats  | \$609,494            | 247,521          | 1,163      | 190        | \$2.47             |
| Industrial Laundries   | \$576,685            | 61,921           | 8,721      | 740        | \$9.34             |
| Laboratories   | \$129,478            | 73,470           | 614        | 80         | \$1.77             |
| Automobile Washing and Polishing   | \$107,947            | 46,252           | 937        | 200        | \$2.34             |
| Hospitals  | \$441,571            | 196,797          | 517        | 270        | \$2.25             |
| Schools  | \$1,200,359          | 727,541          | 452        | 80         | \$1.66             |
| All Other BCC (includes dischargers of only segregated domestic wastes from sanitary conveniences) | \$6,917,581          | 2,804,374        | 713        | 300        | \$2.47             |

## 4.4. Proposed Wet Weather Facilities Charges

The WWFC funds capital expenses for the I&I facilities (wet weather facilities, interceptors, pumping stations and storage basins) that are required to handle the wet weather flows that enter the wastewater system through the local wastewater collection systems and sewer connections. The volume of wet weather flows that enter the wastewater

system from each property is proportional to the size of the collection system needed to serve each property. Properties with larger lots require more linear feet of collection system which presents more opportunity for storm water and ground water to enter through defects in the collection system. The volume of wet weather flows in the collection system has no direct relationship to a customer's monthly water use nor if the wastewater discharge is from a residential or non-residential customer. For these reasons, lot size rather than water service use is used as basis of the WWFC. The structure of WWFC is based on the rationale that larger lots contribute proportionally more to the wet weather flows than smaller lots. Accordingly, the WWFC is structured into three generalized lot sizes (or bins): 0 to 5,000 square feet (sq ft), 5,001 to 10,000 sq ft, and over 10,001 sq ft. The WWFC is based on median lot size for each of these bins.

The I&I capital facilities are designed to handle wet weather flows that are in excess of the normal wastewater discharges from wastewater customers. Because the WWFC is based on the size of the property and is unrelated to water or wastewater usage at the property, the District collects the WWFC on the property tax bill for all parcels that have connections to the local wastewater collection systems within the District's wastewater service area. The WWFC for public agencies that are exempt from property taxes is collected through the District's billing process.

Table 4-3 shows the calculation of the Test Year COS WWFC, based on median lot size for all customers. The total wet weather cost is divided by the total parcel areas within the District's service area to arrive at a unit cost per 1,000 sq ft. The proposed WWFC for each lot size is based on the unit cost multiplied by the median lot size in each bin.

**Table 4-3: Test Year Wet Weather Facilities Charges**

| Lot size (sq ft)                     | Total # of<br>Parcels | Median Lot<br>Size (sq ft) | Test Year<br>Proposed |
|--------------------------------------|-----------------------|----------------------------|-----------------------|
| 0-5,000                              | 104,958               | 4,000                      | \$97.00               |
| 5,001-10,000                         | 54,920                | 6,250                      | \$151.56              |
| over 10,001                          | 15,927                | 14,284                     | \$346.39              |
| <b>Total (Table 3-16)</b>            | <b>175,805</b>        |                            |                       |
|                                      |                       |                            |                       |
| Total Wet Weather Costs (Table 3-18) | \$24,017,686          |                            |                       |
| Total Area (1,000 sq ft)             | 990,583               |                            |                       |
| Unit Cost/yr/1,000sq ft              | \$24.25               |                            |                       |

## 4.5. San Francisco Bay Pollution Prevention Fee

The District must undertake a variety of activities to successfully operate the Pretreatment Program and Pollution Prevention Program required by the United States Environmental Protection Agency (EPA) and the State of California (through the Regional Water Quality Control Board (RWQCB)).

The Pollution Prevention Program, required by the RWQCB, develops and implements strategies to minimize and monitor pollutants from both residential and non-residential sources. The fee applies to accounts in the District's wastewater service area to cover costs for program implementation and has not been increased since 2008. For non-residential customers (excluding apartment buildings with 5 or more dwelling units), the fee will remain \$5.48 per month for FY 2020 and FY 2021. The fee for residential customers will remain \$0.20 per month for each single family and multi family dwelling unit (apartment buildings with 5 or more dwelling units pay based on 5 dwelling units) for FY 2020 and FY 2021.

## 4.6. Customer Impacts

Raftelis completed an analysis to evaluate the impact of the proposed rate structure on customers with various water usage levels. The results of the COS analysis are shown in comparison to the District's Test Year rates. By comparing the changes to the Test Year in this section, the customer impact attributed to the COS adjustments can be shown. Section 5 contains the proposed FY 2020 and FY 2021 wastewater rates and bill impacts that incorporate the COS adjustments and updated revenue requirements for FY 2020 and FY 2021.

Table 4-4 shows the bill impacts for different customers with typical water usage for the Test Year.

**Table 4-4: Typical Customers Wastewater Bill Impacts for Test Year**

| Customer Class                  | Monthly Flow (ccf) | FY 2017 Current Bill | FY 2017 Proposed Bill | Difference (\$) | Difference (%) |
|---------------------------------|--------------------|----------------------|-----------------------|-----------------|----------------|
| SFR                             | 6                  | \$19.73              | \$19.15               | (\$0.58)        | -2.9%          |
| MFR – Fourplex                  | 25                 | \$63.36              | \$59.35               | (\$4.01)        | -6.3%          |
| Commercial – Office             | 50                 | \$129.55             | \$129.62              | \$0.07          | 0.1%           |
| Commercial – Restaurant         | 50                 | \$253.05             | \$260.62              | \$7.57          | 3.0%           |
| Industrial – Food Manufacturing | 500                | \$7,255.55           | \$7,856.12            | \$600.57        | 8.3%           |

Note: Bill does not include the San Francisco Pollution Prevention Fee

Table 4-5 shows the impacts resulting from the Test Year proposed WWFC compared to the current WWFC.

**Table 4-5: Wet Weather Facilities Charge Impacts for Test Year**

| Lot size (sq ft) | FY 2017 Current | FY 2017 Proposed | Difference (\$) | Difference (%) |
|------------------|-----------------|------------------|-----------------|----------------|
| 0-5,000          | \$94.10         | \$97.00          | \$2.90          | 3.1%           |
| 5,001-10,000     | \$147.00        | \$151.56         | \$4.56          | 3.1%           |
| over 10,001      | \$336.00        | \$346.39         | \$10.39         | 3.1%           |

## **5. Proposed FY 2020 & FY 2021 Wastewater User Charges**

To determine the FY 2020 and FY 2021 user charges, required revenue adjustments were made to the Test Year rates and charges based on the District's FY 2020 and FY 2021 budgets for development of FY 2020 and FY 2021 rates and charges presented in this section. The COS effort resulted in some adjustments to the District's individual rates that were presented in previous sections in comparison to the District's wastewater user charges for the Test Year. From the District's FY 2020 and FY 2021 budgeted operating, capital, and debt expenses, the FY 2020 and FY 2021 revenue requirements were established. The Raftelis model was used to calculate the FY 2020 and FY 2021 wastewater rates, combining the FY 2020 and FY 2021 increased revenue requirements with the results of the COS Study. The results of the cost of service study were incorporated into the proposed FY 2020 and FY 2021 user charges by adjusting the charges from the COS analysis to yield the FY 2020 and FY 2021 revenue requirements.

The District's proposed budgets for FY 2020 and FY 2021 do not contain detailed budgeted costs by function, so the Test Year COS results are adjusted to match the FY 2020 and FY 2021 revenue requirements based on the budget. The District does not anticipate that the distribution of expenses by function for FY 2020 and FY 2021 will be significantly different than the Test Year expenses.

This section documents the process and calculations made to determine the wastewater user charges for FY 2020 and FY 2021.

### **5.1. FY 2020 and FY 2021 Wastewater User Charges and Customer Impacts**

The first step is to develop the current FY 2019 wastewater user charges based on the Test Year COS user charges. Table 5-1 shows the total FY 2019 revenue requirement, provided by the District, compared to the total Test Year revenue requirement as shown in Table 3-15.

**Table 5-1: Wastewater Revenue Requirement for FY 2019**

|   | FY 2017              | FY 2019              |
|---|----------------------|----------------------|
| <b>Revenue Requirements</b>                         |                      |                      |
| O&M Expenses  | \$63,926,037         | \$71,535,499         |
| Existing Debt Service                               | \$33,301,178         | \$29,760,873         |
| Proposed Debt Service                               | \$0                  | \$0                  |
| Admin Capital                                       | \$0                  | \$0                  |
| Rate Funded Capital                                 | \$27,954,400         | \$41,807,600         |
| <b>Total Revenue Requirements</b>                   | <b>\$125,181,615</b> | <b>\$143,103,972</b> |
| <b>Revenue Offsets</b>                              |                      |                      |
| Resource Recovery                                   | \$11,904,249         | \$9,000,000          |
| Property Taxes, less customer assistance            | \$4,514,980          | \$4,230,630          |
| Ad Valorem Bond Levy                                | \$2,865,215          | \$0                  |
| Interest  | \$485,439            | \$1,533,513          |
| Laboratory Services                                 | \$4,210,262          | \$4,261,635          |
| Reimbursements                                      | \$1,475,502          | \$1,442,000          |
| Permit Fees   | \$1,592,767          | \$1,600,000          |
| Capacity Charges                                    | \$0                  | \$2,963,000          |
| All Other Revenue                                   |                      |                      |
| BABS REBATE   | \$2,504,058          | \$2,500,000          |
| PSL FEES  | \$1,126,722          | \$1,500,000          |
| PGS ENERGY SALES                                    | \$900,014            | \$1,000,000          |
| MISC  | \$494,820            | \$700,000            |
| Transfer (to)/from Rate Stabilization Reserve (RSR) | \$0                  | \$0                  |
| <b>Total Revenue Offsets</b>                        | <b>\$32,074,027</b>  | <b>\$30,730,778</b>  |
| <b>Adjustments</b>                                  |                      |                      |
| Annual Cash Balance                                 | \$1,619,175          | \$11,121,645         |
| <b>Total Adjustments</b>                            | <b>\$1,619,175</b>   | <b>\$11,121,645</b>  |
| <b>Cost of Service to be Recovered from Rates</b>   | <b>\$91,488,412</b>  | <b>\$101,251,548</b> |
| <b>Difference (%)</b>                               |                      | <b>10%</b>           |

Since the FY 2019 revenue requirement is 10 percent higher than the Test Year revenue requirement, the Test Year COS user charges were increased by approximately the same percentage to calculate the COS adjusted FY 2019 user charges. Table 5-2 and Table 5-3 show the FY 2019 wastewater user charges for residential and non-residential customers, respectively, using the FY 2019 revenue requirement provided by the District.

**Table 5-2: FY 2019 Cost of Service Adjusted Wastewater Rates - Residential**

|  | FY 2017 | FY 2019 <sup>15</sup> | Difference (%) |
|--|---------|-----------------------|----------------|
| Service Charge (per account) [A]                   | \$6.12  | <b>\$6.75</b>         | 10%            |
| Strength Charge (per dwelling unit) [B]            | \$6.37  | <b>\$7.03</b>         | 10%            |
| Minimum monthly charge per household               | \$12.49 | <b>\$13.78</b>        | 10%            |
|  |         |                       |                |
| Plus: A flow charge per ccf (maximum of 9 ccf) [C] | \$1.11  | <b>\$1.22</b>         | 10%            |
| Minimum monthly charge at 0 units                  | \$0.00  | <b>\$0.00</b>         |                |
| Maximum monthly charge at 9 units                  | \$9.99  | <b>\$10.98</b>        | 10%            |
|  |         |                       |                |
| Total Residential Charge (A+B+C above)             |         |                       |                |
| Minimum monthly charge                             | \$12.49 | <b>\$13.78</b>        | 10%            |
| Maximum monthly charge                             | \$22.48 | <b>\$24.76</b>        | 10%            |
| Average monthly charge at 6 ccf                    | \$19.15 | <b>\$21.10</b>        | 10%            |

<sup>15</sup> Rates rounded to the nearest cent.

**Table 5-3: FY 2019 Cost of Service Adjusted Wastewater Rates – Non-Residential**

|   | FY 2017 | FY 2019 <sup>16</sup> | Difference (%) |
|---|---------|-----------------------|----------------|
| Monthly Service Charge (per meter)  | \$6.12  | <b>\$6.75</b>         | 10%            |
| Treatment charge including flow processing<br>(per ccf of sewage discharge)                           |         |                       |                |
| Meat Products   | \$7.74  | <b>\$8.55</b>         | 10%            |
| Slaughterhouses   | \$7.41  | <b>\$8.17</b>         | 10%            |
| Dairy Product Processing  | \$6.07  | <b>\$6.71</b>         | 10%            |
| Fruit and Vegetable Canning   | \$4.89  | <b>\$5.39</b>         | 10%            |
| Grain Mills   | \$4.87  | <b>\$5.37</b>         | 10%            |
| Bakeries (including Pastries)   | \$8.41  | <b>\$9.28</b>         | 10%            |
| Sugar Processing  | \$4.81  | <b>\$5.31</b>         | 10%            |
| Rendering Tallow  | \$14.61 | <b>\$16.10</b>        | 10%            |
| Beverage Manufacturing & Bottling   | \$3.65  | <b>\$4.03</b>         | 10%            |
| Specialty Foods Manufacturing   | \$15.70 | <b>\$17.35</b>        | 10%            |
| Pulp and Paper Products   | \$4.18  | <b>\$4.60</b>         | 10%            |
| Inorganic Chemicals Mfgr.   | \$5.38  | <b>\$5.92</b>         | 10%            |
| Synthetic Material Manufacturing  | \$1.26  | <b>\$1.39</b>         | 10%            |
| Drug Manufacturing  | \$2.71  | <b>\$2.99</b>         | 10%            |
| Cleaning and Sanitation Products  | \$5.48  | <b>\$6.05</b>         | 10%            |
| Paint Manufacturing   | \$10.57 | <b>\$11.67</b>        | 10%            |
| Ink and Pigment Manufacturing   | \$3.82  | <b>\$4.22</b>         | 10%            |
| Leather Tanning and Finishing   | \$14.60 | <b>\$16.12</b>        | 10%            |
| Earthenware Manufacturing   | \$2.97  | <b>\$3.27</b>         | 10%            |
| Primary Metals Manufacturing  | \$2.35  | <b>\$2.59</b>         | 10%            |
| Metal Products Fabricating  | \$1.38  | <b>\$1.51</b>         | 10%            |
| Drum and Barrel Manufacturing   | \$14.86 | <b>\$16.42</b>        | 10%            |
| Metal Coating   | \$1.49  | <b>\$1.64</b>         | 10%            |
| Air Transportation  | \$1.96  | <b>\$2.16</b>         | 10%            |
| Food Service Establishments   | \$5.09  | <b>\$5.61</b>         | 10%            |
| Apartment Buildings (5 or more units)   | \$2.47  | <b>\$2.72</b>         | 10%            |
| Hotels, Motels with Food Service  | \$3.66  | <b>\$4.03</b>         | 10%            |
| Commercial Laundries  | \$3.29  | <b>\$3.63</b>         | 10%            |
| Coin Operated Laundromats   | \$2.47  | <b>\$2.72</b>         | 10%            |
| Industrial Laundries  | \$9.34  | <b>\$10.32</b>        | 10%            |
| Laboratories  | \$1.77  | <b>\$1.95</b>         | 10%            |
| Automobile Washing and Polishing  | \$2.34  | <b>\$2.58</b>         | 10%            |
| Hospitals   | \$2.25  | <b>\$2.48</b>         | 10%            |
| Schools   | \$1.66  | <b>\$1.82</b>         | 10%            |
| All Other BCC (includes dischargers of only segregated<br>domestic wastes from sanitary conveniences) | \$2.47  | <b>\$2.72</b>         | 10%            |

Table 5-4 shows the FY 2019 Wet Weather Facilities Charge, using the FY 2019 revenue requirement provided by the District.

<sup>16</sup> Rates rounded to the nearest cent.

**Table 5-4: FY 2019 Cost of Service Adjusted Wet Weather Facilities Charge**

| Lot Size (sq ft) | FY 2017  | FY 2019 <sup>17</sup> | Difference (%) |
|------------------|----------|-----------------------|----------------|
| 0 – 5,000        | \$97.00  | <b>\$106.96</b>       | 10%            |
| 5,001 – 10,000   | \$151.56 | <b>\$167.10</b>       | 10%            |
| >10,001          | \$346.39 | <b>\$381.92</b>       | 10%            |

Table 5-5 shows the revenue requirement for FY 2019 from Table 5-1 and the revenue requirements for FY 2020 and FY 2021 based on the District's proposed FY 2020 and FY 2021 budgets for the wastewater enterprise.

**Table 5-5: Wastewater Revenue Requirement for FY 2020 and FY 2021**

|   | FY 2019              | FY 2020              | FY 2021              |
|---|----------------------|----------------------|----------------------|
| <b>Revenue Requirements</b>   |                      |                      |                      |
| O&M Expenses  | \$71,535,499         | \$75,091,889         | \$78,579,852         |
| Existing Debt Service   | \$29,760,873         | \$30,228,258         | \$29,839,038         |
| Proposed Debt Service   | \$0                  | \$0                  | \$0                  |
| Admin Capital   | \$0                  | \$0                  | \$0                  |
| Rate Funded Capital   | \$41,807,600         | \$48,475,000         | \$46,019,350         |
| <b>Total Revenue Requirements</b>   | <b>\$143,103,972</b> | <b>\$153,795,147</b> | <b>\$154,438,240</b> |
| <b>Revenue Offsets</b>  |                      |                      |                      |
| Resource Recovery   | \$9,000,000          | \$10,000,000         | \$10,000,000         |
| Property Taxes, less customer assistance                                  | \$4,230,630          | \$5,030,000          | \$5,155,750          |
| <i>Full Property Taxes, including amount used for customer assistance</i> | <i>\$4,630,630</i>   | <i>\$5,430,000</i>   | <i>\$5,555,750</i>   |
| Ad Valorem Bond Levy  | \$0                  | \$0                  | \$0                  |
| Interest  | \$1,533,513          | \$2,374,306          | \$2,082,768          |
| Laboratory Services   | \$4,261,635          | \$4,389,484          | \$4,521,169          |
| Reimbursements  | \$1,442,000          | \$1,485,260          | \$1,529,818          |
| Permit Fees   | \$1,600,000          | \$1,600,000          | \$1,600,000          |
| Capacity Charges  | \$2,963,000          | \$4,000,000          | \$4,000,000          |
| All Other Revenue   |                      |                      |                      |
| BABS REBATE   | \$2,500,000          | \$2,500,000          | \$2,500,000          |
| PSL FEES  | \$1,500,000          | \$1,500,000          | \$1,500,000          |
| PGS ENERGY SALES  | \$1,000,000          | \$1,000,000          | \$1,000,000          |
| MISC  | \$700,000            | \$700,000            | \$700,000            |
| Transfer (to)/from Rate Stabilization Reserve (RSR)                       | \$0                  | \$0                  | \$0                  |
| <b>Total Revenue Offsets</b>  | <b>\$30,730,778</b>  | <b>\$34,579,050</b>  | <b>\$34,589,505</b>  |
| <b>Adjustments</b>  |                      |                      |                      |
| Annual Cash Balance   | \$11,121,645         | \$13,603,218         | \$10,011,341         |
| <b>Total Adjustments</b>  | <b>\$11,121,645</b>  | <b>\$13,603,218</b>  | <b>\$10,011,341</b>  |
| <b>Cost of Service to be Recovered from Rates</b>                         | <b>\$101,251,548</b> | <b>\$105,612,879</b> | <b>\$109,837,394</b> |
| <i>Revenue to be Collected from Rates<sup>18</sup></i>                    | <i>\$100,851,548</i> | <i>\$105,212,879</i> | <i>\$109,437,394</i> |
| <b>Difference (%)</b>   |                      | <b>4%</b>            | <b>4%</b>            |

<sup>17</sup> Rates rounded to the nearest cent.

<sup>18</sup> The revenue collected from rates is lower due to the Customer Assistance Discount.



The FY 2020 revenue requirement is 4 percent higher than the FY 2019 revenue requirement and the FY 2021 revenue requirement is 4 percent higher than the FY 2020 revenue requirement. Based on the percent increase in revenue requirements for FY 2020 and FY 2021, the FY 2019 COS adjusted wastewater user charges, shown in Table 5-2 through Table 5-4, need to be increased by the same percentages in FY 2020 and in FY 2021 to meet the rate revenue requirements<sup>19</sup>.

Table 5-6 and Table 5-7 show the proposed FY 2020 and FY 2021 wastewater rates for residential and non-residential customers, respectively.

**Table 5-6: FY 2020 and FY 2021 Wastewater Rates - Residential**

|  | FY 2019 | FY 2020 <sup>20</sup> | Difference (%) | FY 2021 <sup>21</sup> | Difference (%) |
|--|---------|-----------------------|----------------|-----------------------|----------------|
| Service Charge (per account)                   | \$6.75  | <b>\$7.02</b>         | 4%             | <b>\$7.30</b>         | 4%             |
| Strength Charge (per dwelling unit)            | \$7.03  | <b>\$7.31</b>         | 4%             | <b>\$7.60</b>         | 4%             |
| Minimum monthly charge per household           | \$13.78 | <b>\$14.33</b>        | 4%             | <b>\$14.90</b>        | 4%             |
| Plus: A flow charge per ccf (maximum of 9 ccf) | \$1.22  | <b>\$1.27</b>         | 4%             | <b>\$1.32</b>         | 4%             |
| Minimum monthly charge at 0 units              | \$0.00  | <b>\$0.00</b>         |                | <b>\$0.00</b>         |                |
| Maximum monthly charge at 9 units              | \$10.98 | <b>\$11.43</b>        | 4%             | <b>\$11.88</b>        | 4%             |
| Total Residential Charge (A+B+C above)         |         |                       |                |                       |                |
| Minimum monthly charge                         | \$13.78 | <b>\$14.33</b>        | 4%             | <b>\$14.90</b>        | 4%             |
| Maximum monthly charge                         | \$24.76 | <b>\$25.76</b>        | 4%             | <b>\$26.78</b>        | 4%             |
| Average monthly charge at 6 ccf                | \$21.10 | <b>\$21.95</b>        | 4%             | <b>\$22.82</b>        | 4%             |

<sup>19</sup> Revenue Requirements for FY 2020 and FY 2021 were developed and provided by the District.

<sup>20</sup> Rates rounded to the nearest cent.

<sup>21</sup> Rates rounded to the nearest cent.

**Table 5-7: FY 2020 and FY 2021 Cost of Service Adjusted Wastewater Rates – Non-Residential**

|  | FY 2019 | FY 2020 <sup>22</sup> | Difference (%) | FY 2021 <sup>23</sup> | Difference (%) |
|--|---------|-----------------------|----------------|-----------------------|----------------|
| Monthly Service Charge (per meter)   | \$6.75  | <b>\$7.02</b>         | 4%             | <b>\$7.30</b>         | 4%             |
| Treatment charge including flow processing (per ccf of sewage discharge)                           |         |                       |                |                       |                |
| <b>BCCs</b>  |         |                       |                |                       |                |
| Meat Products  | \$8.55  | <b>\$8.90</b>         | 4%             | <b>\$9.24</b>         | 4%             |
| Slaughterhouses  | \$8.17  | <b>\$8.50</b>         | 4%             | <b>\$8.83</b>         | 4%             |
| Dairy Product Processing   | \$6.71  | <b>\$6.98</b>         | 4%             | <b>\$7.25</b>         | 4%             |
| Fruit and Vegetable Canning  | \$5.39  | <b>\$5.61</b>         | 4%             | <b>\$5.83</b>         | 4%             |
| Grain Mills  | \$5.37  | <b>\$5.58</b>         | 4%             | <b>\$5.80</b>         | 4%             |
| Bakeries (including Pastries)  | \$9.28  | <b>\$9.65</b>         | 4%             | <b>\$10.03</b>        | 4%             |
| Sugar Processing   | \$5.31  | <b>\$5.53</b>         | 4%             | <b>\$5.74</b>         | 4%             |
| Rendering Tallow   | \$16.10 | <b>\$16.74</b>        | 4%             | <b>\$17.40</b>        | 4%             |
| Beverage Manufacturing & Bottling  | \$4.03  | <b>\$4.19</b>         | 4%             | <b>\$4.36</b>         | 4%             |
| Specialty Foods Manufacturing  | \$17.35 | <b>\$18.05</b>        | 4%             | <b>\$18.75</b>        | 4%             |
| Pulp and Paper Products  | \$4.60  | <b>\$4.79</b>         | 4%             | <b>\$4.98</b>         | 4%             |
| Inorganic Chemicals Mfr.   | \$5.92  | <b>\$6.16</b>         | 4%             | <b>\$6.40</b>         | 4%             |
| Synthetic Material Manufacturing   | \$1.39  | <b>\$1.44</b>         | 4%             | <b>\$1.50</b>         | 4%             |
| Drug Manufacturing   | \$2.99  | <b>\$3.11</b>         | 4%             | <b>\$3.23</b>         | 4%             |
| Cleaning and Sanitation Products   | \$6.05  | <b>\$6.30</b>         | 4%             | <b>\$6.54</b>         | 4%             |
| Paint Manufacturing  | \$11.67 | <b>\$12.14</b>        | 4%             | <b>\$12.61</b>        | 4%             |
| Ink and Pigment Manufacturing  | \$4.22  | <b>\$4.39</b>         | 4%             | <b>\$4.56</b>         | 4%             |
| Leather Tanning and Finishing  | \$16.12 | <b>\$16.77</b>        | 4%             | <b>\$17.43</b>        | 4%             |
| Earthenware Manufacturing  | \$3.27  | <b>\$3.40</b>         | 4%             | <b>\$3.53</b>         | 4%             |
| Primary Metals Manufacturing   | \$2.59  | <b>\$2.69</b>         | 4%             | <b>\$2.80</b>         | 4%             |
| Metal Products Fabricating   | \$1.51  | <b>\$1.57</b>         | 4%             | <b>\$1.64</b>         | 4%             |
| Drum and Barrel Manufacturing  | \$16.42 | <b>\$17.08</b>        | 4%             | <b>\$17.74</b>        | 4%             |
| Metal Coating  | \$1.64  | <b>\$1.71</b>         | 4%             | <b>\$1.77</b>         | 4%             |
| Air Transportation   | \$2.16  | <b>\$2.25</b>         | 4%             | <b>\$2.34</b>         | 4%             |
| Food Service Establishments  | \$5.61  | <b>\$5.83</b>         | 4%             | <b>\$6.06</b>         | 4%             |
| Apartment Buildings (5 or more units)  | \$2.72  | <b>\$2.83</b>         | 4%             | <b>\$2.94</b>         | 4%             |
| Hotels, Motels with Food Service   | \$4.03  | <b>\$4.19</b>         | 4%             | <b>\$4.36</b>         | 4%             |
| Commercial Laundries   | \$3.63  | <b>\$3.77</b>         | 4%             | <b>\$3.92</b>         | 4%             |
| Coin Operated Laundromats  | \$2.72  | <b>\$2.83</b>         | 4%             | <b>\$2.94</b>         | 4%             |
| Industrial Laundries   | \$10.32 | <b>\$10.73</b>        | 4%             | <b>\$11.15</b>        | 4%             |
| Laboratories   | \$1.95  | <b>\$2.02</b>         | 4%             | <b>\$2.11</b>         | 4%             |
| Automobile Washing and Polishing   | \$2.58  | <b>\$2.68</b>         | 4%             | <b>\$2.79</b>         | 4%             |
| Hospitals  | \$2.48  | <b>\$2.57</b>         | 4%             | <b>\$2.68</b>         | 4%             |
| Schools  | \$1.82  | <b>\$1.89</b>         | 4%             | <b>\$1.97</b>         | 4%             |
| All Other BCC (includes dischargers of only segregated domestic wastes from sanitary conveniences) | \$2.72  | <b>\$2.83</b>         | 4%             | <b>\$2.94</b>         | 4%             |

<sup>22</sup> Rates rounded to the nearest cent.

<sup>23</sup> Rates rounded to the nearest cent.

Table 5-8 shows the WWFC for FY 2020 and FY 2021. The increases mirror those of the wastewater increases, i.e. 4 percent per year.

**Table 5-8: FY 2019 Cost of Service Adjusted Wet Weather Facilities Charge**

| Lot Size (sq ft) | FY 2019  | FY 2020         | Difference (%) | FY 2021         | Difference (%) |
|------------------|----------|-----------------|----------------|-----------------|----------------|
| 0 – 5,000        | \$106.96 | <b>\$111.24</b> | 4%             | <b>\$115.70</b> | 4%             |
| 5,001 – 10,000   | \$167.10 | <b>\$173.78</b> | 4%             | <b>\$180.74</b> | 4%             |
| >10,001          | \$381.92 | <b>\$397.20</b> | 4%             | <b>\$413.10</b> | 4%             |

The resulting customer bill impacts, shown in Table 5-9 and Table 5-10, reflect the increases described previously. Table 5-9 shows the bill impacts for different customers with typical water usage for FY 2020. Bill impacts for FY 2021 are approximately 4 percent more than those shown below.

**Table 5-9: Typical Customers' Wastewater Bill Impacts for FY 2020**

| Customer Class                  | Monthly Flow (ccf) | FY 2019 Current Bill | FY 2020 Proposed Bill | Difference (\$) | Difference (%) |
|---------------------------------|--------------------|----------------------|-----------------------|-----------------|----------------|
| SFR                             | 6                  | \$21.75              | \$21.95               | \$0.20          | 0.9%           |
| MFR – Fourplex                  | 25                 | \$69.84              | \$68.01               | (\$1.83)        | -2.6%          |
| Commercial – Office             | 50                 | \$142.62             | \$148.52              | \$5.90          | 4.1%           |
| Commercial – Restaurant         | 50                 | \$279.62             | \$298.52              | \$18.90         | 6.8%           |
| Industrial – Food Manufacturing | 500                | \$8,001.12           | \$9,032.02            | \$1,030.90      | 12.9%          |

Note: Bill does not include Pollution Prevention Charge

Table 5-10 shows the impacts for FY 2020 resulting from the proposed WWFC compared to the FY 2019 WWFC. Bill impacts for FY 2021 are approximately 4 percent more than those shown below.

**Table 5-10: Wet Weather Facilities Charge Impacts for FY 2020**

| Lot size (sq ft) | FY 2019 Current | FY 2020 Proposed | Difference (\$) | Difference (%) |
|------------------|-----------------|------------------|-----------------|----------------|
| 0-5,000          | \$103.74        | \$111.24         | \$7.50          | 7.2%           |
| 5,001-10,000     | \$162.06        | \$173.78         | \$11.72         | 7.2%           |
| over 10,001      | \$370.44        | \$397.20         | \$26.76         | 7.2%           |

# 6. Part II: Wastewater Capacity Fee Study

## 6.1. Introduction

In addition to wastewater rates, the District has a Wastewater Capacity Fee (WCF) for new or upsized connections. The purpose of these fees is to pay for the connections share of the costs of existing and/or new wastewater facilities. These fees are designed to be proportional to the demand placed on the systems by the new or expanded connections. The recommended capacity fees for the District do not exceed the estimated reasonable costs of providing the facilities for which they are collected and are of proportional benefit to the property being charged. The existing wastewater capacity fees were last updated in 2013 and were based on the Buy-In methodology to ensure that new customers or existing customers increasing their capacity demand paid their fair share of treatment capacity costs. The fee has been updated over the past five years to account for the effects of inflation but has not been updated to account for increased system value.

## 6.2. Legal and Economic Framework

### 6.2.1. LEGAL FRAMEWORK

Unlike the wastewater service charges, the WCF is not subject to Proposition 218. Government Code Section 66013 contains requirements specific to wastewater capacity fees. In addition, procedural requirements for adopting or protesting capacity fees, pursuant to Section 66013, are contained in Sections 66016, 66022, and 66023 of the Government Code. The most pertinent part of Section 66013 states:

*“Notwithstanding any other provision of law, when a local agency imposes fees for water connections or sewer connections, or imposes capacity charges, those fees or charges **shall not exceed the estimated reasonable cost of providing the service for which the fee or charge is imposed...**” (emphasis added)*

The WCF is also subject to the requirements set forth by Proposition 26, which amended Section 1 of Article XIII C, and requires the District to show the amount charged is not a tax by not exceeding the reasonable amount required to provide the service, as stated in Section 1(e)(2):

*“A charge imposed for a specific government service or product provided directly to the payor that is not provided to those not charged, and which does not exceed the reasonable costs to the local government of providing the service or product.”*

The District’s WCF is structured to meet the requirements of these laws, and to recover the reasonable cost of the facilities necessary to provide capacity for new, or significant changes to existing, sewer connections.

### 6.2.2. ECONOMIC FRAMEWORK

The basic economic philosophy behind capacity fees is that the costs of providing service should be paid for by those that receive utility from the product. In order to effect fair distribution of the value of the system, the charge should reflect a reasonable estimate of the cost of providing capacity to new connections, or to customers seeking to upsize an existing connection, and not unduly burden existing users through a comparable rate increase.

Accordingly, many utilities make this philosophy one of their primary guiding principles when developing their capacity fee structure.

The philosophy that service should be paid for by those that receive utility from the product is often referred to as “growth-should-pay-for-growth.” The principal is summarized in the American Water Works Association (AWWA) Manual M26, Water Rates and Related Charges:

*“The purpose of designing customer-contributed-capital system charges is to prevent or reduce the inequity to existing customers that results when these customers must pay the increase in water rates that are needed to pay for added plant costs for new customers. Contributed capital reduces the need for new outside sources of capital, which ordinarily has been serviced from the revenue stream. Under a system of contributed capital, many water utilities are able to finance required facilities by use of a ‘growth-pays-for-growth’ policy.”*

This principle, in general, also applies to wastewater and storm drainage systems. In this excerpt, customer-contributed-capital system charges are equivalent to capacity fees.

## 6.3. Methodology

There are two primary steps in calculating capacity fees: (1) determining the cost of capital required to serve new or upsized connections or accommodate an increase in density generated by in-fill projects, and (2) allocating those costs equitably to various types of connections based on the demand placed on the utility system.

There are several available methodologies for calculating capacity fees. The various approaches have evolved largely around the basis of changing public policy, legal requirements, and the unique and special circumstances of every local agency. The District uses the widely accepted Buy-In Method to calculate their capacity fees.

### 6.3.1. BUY-IN METHOD

The Buy-In approach rests on the premise that new or upsized connections are entitled to service at the same price as existing connections. Under this approach, new or upsized connections pay only an amount equal to their proportional share of the current system value, either using the original cost or replacement cost as the valuation basis and either netting the value of depreciation or not. This net investment, or value of the system, is then divided by the current demand of the system to determine the Buy-In cost per equivalent unit.

For example, if the existing system has 100 units of average usage and the new connector uses an equivalent unit, then the new customer would pay 1/100 of the total value of the existing system. By contributing this capacity fee, the new connector has bought into the existing system. The user has effectively acquired a financial position on par with existing customers and will face future capital challenges on equal financial footing with those customers. This approach is suited for agencies that either 1) have built most of their facilities and only a small portion of future facilities are needed for build-out, 2) the agency doesn’t have an adopted long-term capital improvement plan, or 3) the “build-out” date is so far out in the future that it is difficult to accurately project growth and required facilities with precision. Figure 6-1 shows the framework for calculating the Buy-in Capacity Fee.

Figure 6-1: Formula for Buy-In Approach



### 6.3.2. ASSET VALUATION APPROACHES

There are various methods employed to estimate the asset value of the existing facilities and derive an updated capacity fee based on the existing asset value. The principal method used by the District to value its existing assets is replacement cost less depreciation.

- )] **Replacement Cost Less Depreciation (RCLD).** Considerations of the current value of wastewater facilities may also be materially affected by the effects of age and depreciation. Depreciation takes into account the anticipated losses in plant value caused by wear and tear, decay, inadequacy, and obsolescence. To provide appropriate recognition of the effects of depreciation on existing wastewater facilities, the replacement cost valuation measure can be expressed on an RCLD basis. This measure is similar to other valuation methods, with the exception that accumulated depreciation is computed for each asset account based upon its age or condition and deducted from the respective total replacement cost to determine the RCLD measure of system value.

## 6.4. Current Wastewater Capacity Fee

New residential customers are currently charged a WCF per dwelling unit based on the estimated maximum indoor water consumption per dwelling unit. On the other hand, for non-residential customers, the District's current procedures for calculating fees are complicated, require significant staff time to administer, and are difficult for customers to understand.

Currently, the WCF for non-residential customers is calculated by estimating the monthly maximum wastewater discharge volume and multiplying it by the WCF rate for the corresponding Business Classification Code (BCC) for that customer. The method for determining the maximum discharge volume is a complicated process and involves multiple methods based on number of fixtures, average daily water use per occupant, building size, or applicant provided estimates. Results are then compared, and the most reasonable maximum wastewater discharge value is selected. This process requires significant staff time and does not allow non-residential customers to perform a self-assessment of possible WCF prior to applying for service. Therefore, the District is seeking to simplify the method used for calculating the WCF for non-residential customers and meet the following objectives:

1. Review the existing WCF and update as needed.
2. Increase transparency and simplify the administration of the WCF.

These objectives will provide transparency with District customers and allow prospective new customers the ability to estimate their potential WCF for their project. Additionally, they will reduce staff time required to calculate the WCF for new non-residential project applications and minimize or eliminate the need for periodic evaluations of a customer's WCF as business use assumptions used in the initial WCF calculation change.

## 6.5. Proposed Wastewater Capacity Fee

### 6.5.1. PROPOSED METHOD: BUY-IN APPROACH

The District's wastewater system has available capacity within the existing system to serve remaining growth under existing regulations. Therefore, the Buy-In approach was used to determine the proposed capacity fees for the wastewater utility.

### 6.5.2. VALUE OF THE SYSTEM

The first step in determining the Buy-In capacity fee is to determine the value of the existing system. As mentioned above, there are several methods of determining the current value of assets, but, for the purposes of this Capacity Fee Study, RCLD was used to account for today's replacement cost for system improvements, while acknowledging the remaining useful life of system facilities. To accomplish this, the District provided fixed asset records on the original cost of the system. Replacement cost is estimated by adjusting the original costs to reflect what might be expected if a similar asset were constructed today. This was achieved by escalating the original construction costs by a construction cost index. Raftelis utilized the Engineering News-Record's average Construction Cost Index for 20-cities (CCI) which reflects the average costs of a particular basket of construction goods (See Appendix D). Raftelis used a CCI value of 10,737 for 2017 to estimate the replacement costs and to update the FY 2019 WCF. Accumulated replacement cost depreciation was determined by escalating the accumulated depreciation for each asset by the appropriate CCI. The accumulated depreciation was subtracted from the replacement cost to determine the current value of the assets using the RCLD methodology and appropriately reflects the use of the system by the existing customers. Table 6-1 shows the wastewater assets at original cost, escalated into 2017 dollars (i.e. replacement cost), replacement cost accumulated depreciation, and assets adjusted for depreciation (RCLD). A summary of assets by category can be found in Table 3-10<sup>24</sup>.

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<sup>24</sup> A detail of the District's fixed assets can be found in Appendix C.



**Table 6-1: Wastewater Assets**

| Asset Class         | Original Cost          | Replacement Cost (A)   | RC Depreciation (B)    | Total Assets (RCLD) (A - B) |
|---------------------|------------------------|------------------------|------------------------|-----------------------------|
| Chlorination        | \$4,446,780            | \$8,540,747            | \$5,573,887            | \$2,966,859                 |
| Effluent            | \$65,663,726           | \$182,912,843          | \$125,112,768          | \$57,800,075                |
| General             | \$143,927,224          | \$287,890,054          | \$156,532,738          | \$131,357,316               |
| Grit                | \$19,834,612           | \$43,162,452           | \$26,238,500           | \$16,923,952                |
| Influent            | \$44,958,489           | \$87,805,442           | \$54,962,173           | \$32,843,269                |
| Interceptor         | \$234,814,953          | \$631,706,603          | \$344,050,490          | \$287,656,113               |
| Secondary           | \$80,177,795           | \$214,112,283          | \$140,348,216          | \$73,764,068                |
| PGS                 | \$94,548,798           | \$142,097,199          | \$64,654,705           | \$77,442,495                |
| Primary             | \$11,143,586           | \$17,734,903           | \$6,744,008            | \$10,990,895                |
| Sludge              | \$199,704,239          | \$296,325,729          | \$117,573,403          | \$178,752,326               |
| Wet Weather         | \$182,998,207          | \$393,699,323          | \$216,545,452          | \$177,153,871               |
| <b>Total Assets</b> | <b>\$1,082,218,409</b> | <b>\$2,305,987,576</b> | <b>\$1,258,336,340</b> | <b>\$1,047,651,236</b>      |

Additionally, the FY 2017 Working Capital Reserve and Capital Reserve beginning balances of \$17,700,000 and \$56,475,000, respectively, were included in the final value of the system as shown in Table 6-2. It is reasonable and appropriate to include the balance of the capital replacement reserves because these reserves have been built up over time by existing rate customers and will be used to repair or replace aging infrastructure, thereby contributing to the value of the system. To arrive at the total system value, the FY 2017 total debt service principal balances totaling \$420,207,400 were subtracted from the sum of the Wastewater System value and the Reserve balance.

**Table 6-2: Total System Value**

| Total System Value               |                      |
|----------------------------------|----------------------|
| Wastewater System Value (RCLD)   | \$1,047,651,236      |
| Reserve Balance                  | \$74,175,000         |
| Less Total Outstanding Principal | \$420,207,400        |
| <b>Total System Value</b>        | <b>\$701,618,836</b> |

The wastewater assets from Table 6-1 were then allocated to cost components related to I&I, Flow, COD, and TSS using the percent allocations determined in the COS Study shown in Table 3-14. However, an additional step is required to reallocate the value of I&I assets since customers are not charged based on I&I flows. This was done by spreading the \$465,802,474 in I&I assets proportionally to the other cost components of Flow, COD, and TSS. This results in revised allocation percentages to Flow, COD, and TSS as shown at the bottom of Table 6-3.



**Table 6-3: Wastewater System Value Allocation**

|  | I&I             | Flow          | COD           | TSS           | Total           |
|--|-----------------|---------------|---------------|---------------|-----------------|
| % Allocation (from <b>Table 3-14</b> ) | 44.5%           | 22.3%         | 11.9%         | 21.4%         | 100.0%          |
| Wastewater System Value (RCLD)         | \$465,802,474   | \$233,849,995 | \$124,198,140 | \$223,800,627 | \$1,047,651,236 |
| Reallocate I&I                         | (\$465,802,474) | \$187,209,999 | \$99,427,557  | \$179,164,918 | \$0             |
| Wastewater System Value                | \$0             | \$421,059,994 | \$223,625,698 | \$402,965,544 | \$1,047,651,236 |
| <b>% Allocated</b>                     | <b>0%</b>       | <b>40%</b>    | <b>21%</b>    | <b>38%</b>    | <b>100%</b>     |

These percent allocations can then be applied to the Total System Value from Table 6-2 of \$701,618,836 to determine cost allocations for Flow, COD, and TSS.

**Table 6-4: Total System Value Allocation**

| % Allocation |             | Cost Allocation      |
|--------------|-------------|----------------------|
| Flow         | 40%         | \$281,986,612        |
| COD          | 21%         | \$149,763,582        |
| TSS          | 38%         | \$269,868,642        |
| <b>Total</b> | <b>100%</b> | <b>\$701,618,836</b> |

### 6.5.3. SYSTEM CAPACITY

The second step in calculating the Buy-In WCF is to determine the demand or capacity of the system. Dividing the value of the system by the capacity provides a unit cost for the capacity fee. Here, the wastewater system capacity in terms of Flow in ccf, COD in pounds, and TSS in pounds will be used to determine the fee. The FY 2017 net units to the treatment plant, less I&I and trucked waste at headworks, are shown in Table 6-5.

**Table 6-5: System Capacity**

| FY 2017 Net Units to Treatment Plant |             |
|--------------------------------------|-------------|
| <b>Flow (ccf)</b>                    | 20,983,276  |
| <b>COD (lbs)</b>                     | 106,264,585 |
| <b>TSS (lbs)</b>                     | 41,790,303  |

### 6.5.4. PROPOSED WASTEWATER CAPACITY FEES

The WCF for both residential and non-residential customers will be calculated based on the unit costs for Flow, COD, and TSS. The calculation of the unit costs for the Buy-In wastewater capacity fees are shown in Table 6-6. The unit costs are calculated by dividing the system values for Flow, COD, and TSS from Table 6-4 by the net plant influent in Table 6-5 for the corresponding cost component. The proposed capacity fees are based on Flow in ccf per year and COD and TSS in pounds per year. WCFs can then be calculated using the flow and strength data from the COS analysis for both residential and non-residential customers.

**Table 6-6: WCF Updated FY 2019 Unit Costs**

|      | System Value<br>(A) | Net Plant Influent<br>(B) | Updated FY 2019<br>Unit Cost<br>(C) = (A ÷ B) | Current FY 2019<br>Unit Cost |
|------|---------------------|---------------------------|---|------------------------------|
| Flow | \$281,986,612       | 20,983,276                | <b>\$13.44</b> per ccf                        | <b>\$15.99</b> per ccf       |
| COD  | \$149,763,582       | 106,264,585               | <b>\$1.41</b> per lb                          | <b>\$1.31</b> per lb         |
| TSS  | \$269,868,642       | 41,790,303                | <b>\$6.46</b> per lb                          | <b>\$6.33</b> per lb         |

#### 6.5.4.1. Residential

Residential customers will continue to be charged a WCF per dwelling unit. The calculation of the WCF for a Single-Family Residence is shown in Table 6-7. The proposed capacity fee is for one dwelling unit and assumes a monthly flow of 7 ccf (84 ccf per year). Seven (7) ccf per month is the District's average indoor residential water usage as determined during the Water Utility's COS study in 2015. Domestic strength concentrations of 713 mg/l COD and 300 mg/l TSS from the wastewater COS Study were used to calculate the pounds per year of COD and TSS.

**Table 6-7: Updated FY 2019 Single-Family Residence WCF**

| Updated FY 2019 Capacity Fee Calculation |     |                             | Current FY 2019<br>Capacity Fee |
|--|-----|-----------------------------|---------------------------------|
| Flow (ccf/year)                          | 84  | \$1,128.96                  |                                 |
| COD (lbs/year)                           | 374 | \$527.34                    |                                 |
| TSS (lbs/year)                           | 157 | \$1,014.22                  |                                 |
| <b>Total SFR WCF</b>                     |     | <b>\$2,671<sup>25</sup></b> | <b>\$2,610</b>                  |

The Single-Family Residence WCF can be multiplied by the number of dwelling units for Multi-Family Residence accounts to calculate their WCF.

#### 6.5.4.2. Non-Residential

To increase transparency and uniformity, the District has decided to utilize the meter size to estimate annual average wastewater use for the WCF for non-residential customers with meters up to 1½ inches in size. This estimated wastewater discharge volume will be combined with an assigned strength category of low, medium, or high, based on the customers' BCC. For non-residential customers with meter sizes greater than 1½ inches, the District will determine the annual average use on a case by case basis. This replaces the current complex process of calculating the estimated wastewater discharge for each individual applicant based on business and facility attributes. The revised process should significantly reduce the amount of staff time necessary to determine the WCF, reduce the potential for error, and increase transparency for customers.

First, the yearly flow by meter size for meters 1½ inches and smaller was determined based on the non-residential yearly average wastewater use for each meter size from the FY 2017 wastewater consumption data (Table 6-8)<sup>26</sup>. This process is similar to how yearly flow by meter size is determined for the District's Water System Capacity Charge (SCC).

<sup>25</sup> Fee rounded to the nearest dollar.

<sup>26</sup> A detail of the calculation of non-residential yearly average use by meter size can be found in Appendix E.

**Table 6-8: Yearly Average Wastewater Use by Meter size**

| Meter Size   | Yearly Average Use (ccf) | Approximate Monthly Average Use (ccf) <sup>27</sup> |
|--------------|--------------------------|---|
| 5/8 inch     | 132                      | 11  |
| 3/4 & 1 inch | 347                      | 29  |
| 1 ½ inch     | 676                      | 57  |

Second, non-residential strength categories of Low, Medium, and High were based on the range of COD and TSS loading concentrations from various BCCs contained in the District's treatment rate schedule and divided into categories as shown in Table 6-9<sup>28</sup>. Each non-residential BCC was then placed into one of the three strength categories based on the combined estimated strengths for COD and TSS from the wastewater COS analysis. For example, Hospitals (BCC 8060) have a COD strength of 517 mg/L and a TSS strength of 270 mg/l. The combined strength value is 787, which would fall into the Low category<sup>29</sup>. The "Low" category comprises domestic and other similarly low-strength customers with a combined COD and TSS of 1,600 mg/l or less. The "High" category comprises high-strength industrial and food processing customers, such as Rendering Tallow (BCC 2077), Bakeries (BCC 2050), and Dairy Product Processing (BCC 2020). The "Medium" category comprises those customers with strength between 1,601 and 5,000, such as Food Service Establishments (BCC 5812).

**Table 6-9: Non-Residential Strength Categories**

| Non-Residential Strength Category | Range |         |
|-----------------------------------|-------|---------|
| Low                               | 0     | 1,600   |
| Medium                            | 1,601 | 5,000   |
| High                              | 5,001 | 999,999 |

Weighted average strengths for COD and TSS were then determined for each strength category using actual FY 2017 flows into the MWWTP as shown in Table 6-10.

**Table 6-10: Weighted Average Strengths**

| Non-Residential Strength Category | Weighted Average COD Strength (mg/l) | Weighted Average TSS Strength (mg/l) |
|-----------------------------------|--------------------------------------|--------------------------------------|
| Low                               | 690                                  | 262                                  |
| Medium                            | 1,958                                | 749                                  |
| High                              | 8,259                                | 820                                  |

The weighted average strengths by category and the flow by meter size were then used to calculate the non-residential WCF. The calculation of the Flow Charge for non-residential accounts with meter sizes of 1½ inches or smaller is shown in Table 6-11.

<sup>27</sup> Rounded up to the nearest ccf.

<sup>28</sup> Strength ranges were determined based on District input.

<sup>29</sup> Details of each BCC and its corresponding total strength and strength category can be found in Appendix E.

**Table 6-11: Non-Residential Updated FY 2019 Flow Charge**

| Meter Size   | Yearly Average Use (ccf)<br>from Table 6-8<br>[A] | Flow Unit Cost<br>from Table 6-6<br>[B] | Flow Charge<br>[C] = [A x B] |
|--------------|---|---|------------------------------|
| 5/8 inch     | 132   | \$13.44 per ccf                         | \$1,774.08                   |
| 3/4 & 1 inch | 347   | \$13.44 per ccf                         | \$4,663.68                   |
| 1 ½ inch     | 676   | \$13.44 per ccf                         | \$9,085.44                   |

The COD and TSS charges are shown in Table 6-12 and Table 6-13, respectively. These charges are calculated using the unit cost shown in Table 6-6, the weighted average strengths from Table 6-10, the yearly average use by meter size shown in Table 6-8, and conversion factors to convert from ccf to million gallons (MG) and mg/L to lbs/MG.

**Table 6-12: Non-Residential Updated FY 2019 COD Charge**

| Meter Size   | Strength Category |          |          |
|--------------|-------------------|----------|----------|
|              | Low               | Medium   | High     |
| 5/8 inch     | \$801             | \$2,274  | \$9,596  |
| 3/4 & 1 inch | \$2,107           | \$5,980  | \$25,225 |
| 1 ½ inch     | \$4,105           | \$11,648 | \$49,141 |

**Table 6-13: Non-Residential Updated FY 2019 TSS Charge**

| Meter Size   | Strength Category |          |          |
|--------------|-------------------|----------|----------|
|              | Low               | Medium   | High     |
| 5/8 inch     | \$1,395           | \$3,986  | \$4,367  |
| 3/4 & 1 inch | \$3,676           | \$10,472 | \$11,473 |
| 1 ½ inch     | \$7,158           | \$20,407 | \$22,352 |

The charges from Table 6-11, Table 6-12, and Table 6-13 are then combined to determine the total non-residential WCF by meter size and strength category as shown in Table 6-14. A direct comparison cannot be made to the current FY 2019 Non-Residential WCF by meter size because the current WCF process does not consider meter size when calculating the fee assessed to new non-residential applicants. The WCF will be calculated on a case by case basis for non-residential customers with meters that are 2 inches or larger.

**Table 6-14: Non-Residential Updated FY 2019 WCF<sup>30</sup>**

| Meter Size   | Strength Category |          |          |
|--------------|-------------------|----------|----------|
|              | Low               | Medium   | High     |
| 5/8 inch     | \$3,970           | \$8,034  | \$15,738 |
| 3/4 & 1 inch | \$10,446          | \$21,115 | \$41,362 |
| 1 ½ inch     | \$20,348          | \$41,141 | \$80,578 |

This proposed method of calculating the WCF for non-residential customers using the yearly average wastewater use based on meter size and assigning each BCC a strength category of Low, Medium, or High will provide transparency to the majority of non-residential customers and allow them the ability to estimate their potential WCF (for meter sizes less than 2 inches), will reduce the amount of staff time required to determine the WCF for

<sup>30</sup> Fee rounded to the nearest dollar for table, for administrative simplicity the District rounds to the nearest ten dollars for published WCF.

new non-residential customers, and will minimize the need for the review of a customer's WCF as business use assumptions change.

### 6.5.5. FY 2020 WASTEWATER CAPACITY FEE

Using the Engineering News-Record's average CCI for 20-cities for 2018, the proposed FY 2020 WCFs are calculated by escalating the updated FY 2019 WCF unit charges as shown in Table 6-15, Table 6-16, and Table 6-17.

**Table 6-15: Proposed FY 2020 WCF Unit Costs**

|      | Unit Cost              |
|------|------------------------|
| Flow | <b>\$13.85</b> per ccf |
| COD  | <b>\$1.45</b> per lb   |
| TSS  | <b>\$6.66</b> per lb   |

**Table 6-16: Proposed FY 2020 Single-Family Residence WCF**

| Capacity Fee Calculation |     |                             |
|--------------------------|-----|-----------------------------|
| Flow (ccf/year)          | 84  | \$1,163.40                  |
| COD (lbs/year)           | 374 | \$542.30                    |
| TSS (lbs/year)           | 157 | \$1,045.62                  |
| <b>Total SFR WCF</b>     |     | <b>\$2,752<sup>31</sup></b> |

**Table 6-17: Proposed FY 2020 Non-Residential WCF<sup>32</sup>**

| Meter Size   | Strength Category |          |          |
|--------------|-------------------|----------|----------|
|              | Low               | Medium   | High     |
| 5/8 inch     | \$4,090           | \$8,277  | \$16,214 |
| 3/4 & 1 inch | \$10,762          | \$21,754 | \$42,614 |
| 1 ½ inch     | \$20,964          | \$42,386 | \$83,017 |

Raftelis recommends the District adjust the WCFs annually to keep pace with inflation for capital assets by applying the Engineering News Record CCI.

### 6.5.6. WCF CREDIT WHEN APPLICANT REQUESTS EXPANDING EXISTING SERVICE

Per the District's policy, customers will receive a credit based on the WCF previously paid for service at the property. The value of the WCF credit will be determined using the flow and strength assumed in the original WCF and updated using the current WCF schedule (for flow and strength). For properties on which no WCF was paid, customers will be granted a credit for the existing use. For existing meters 1½ inches and smaller, the WCF credit will be calculated based on the current WCF schedule for the existing meter size and strength. For existing meters over 1½ inches, the WCF credit will be calculated based on the most recent 10 years of usage and strength

<sup>31</sup> Fee rounded to the nearest dollar for table, for administrative simplicity the District rounds to the nearest ten dollars for published WCF.

<sup>32</sup> Fee rounded to the nearest dollar for table, for administrative simplicity the District rounds to the nearest ten dollars for published WCF .

for the existing meter, provided that this value is not less than the value indicated in the schedule for the 1½ inch meter. If the account is subject to an Estimation Permit, the usage credit will consider diversion.

# Appendices

# Appendix A – Wastewater Strength Survey

| California WW Agencies                         | Non-Residential Categories | Number of Rate Classifications | \$/Unit | Strength Factors         | Additional Comments  |
|--|----------------------------|--------------------------------|---------|--------------------------|--|
| San Francisco PUC                              | Single                     | 1                              | \$/ccf  | COD & SS                 | Monthly service charge, flow charge, charge per pound of COD, SS, and Oil & Grease (using SIC standard loadings if no sampling)  |
| LA City Sanitation                             | Single                     | 1                              | \$/ccf  | N/A                      | Only charge based on flow, Commercial discharge = 93% of winter water use, can apply for adjustment for low strength   |
| Sanitation Districts of LA County              | Business Type              | 45                             | \$/SU   | COD & SS                 | Charge per Sewage Unit (SFR = 1 unit) using mean loadings per business type; Industrial - \$/MGY for flow, \$/1,000 lbs for COD & SS   |
| Central Contra Costa Sanitary District         | Business Type              | 22                             | \$/ccf  | BOD & SS                 | Flow charge per business type; Flow charge per student for schools; Industrial – Fixed charge, \$/ccf for flow, \$/1,000 lbs for BOD & SS  |
| Union Sanitary District                        | Business Type              | 5                              | \$/kgal | COD & SS                 | Divided into strong, moderate, weak, or type of restaurant; Industrial - \$/kgal for flow, \$/1,000 lbs for COD & SS   |
| San Jose                                       | Business Type              | 38                             | \$/ccf  | BOD, SS, NH <sub>3</sub> | Flow charge per business type; Industrial – \$/ccf for flow, \$/1,000 lbs for BOD, SS, & NH <sub>3</sub> , and annual charges for capacity required                                  |
| Sacramento Regional County Sanitation District | Business Type              | 43                             | \$/ESD  | BOD, SS, TKN, Pathogens  | Charge per Equivalent Single-Family Dwelling (SFR = 1 unit) using mean loadings per business type; Industrial - \$/MG for flow & pathogens, \$/1,000 lbs for BOD & SS                |
| Santa Monica                                   | Strength Range             | 7                              | \$/ccf  | BOD & SS                 | Divided into low to high ranges, churches, institutional, schools, or industrial   |
| <b>Out-of-State WW Agencies</b>                |                            |                                |         |                          |  |
| Phoenix, AZ                                    | Business Type              | 10                             | \$/ccf  | COD & SS                 | All users assessed a flat environmental charge (\$/ccf) and a flow charge per business type; Industrial - \$/ccf for flow, COD, SS, and an Industrial Pretreatment Monitoring Charge |
| Salt Lake City, UT                             | Strength Range             | 7                              | \$/ccf  | COD, BOD, SS             | Divided into classes with specific ranges & charged per ccf for flow, BOD, & SS; High strength (>1,800 mg/l) - \$/lb of COD, BOD, & SS   |
| Renewable Water Resources, SC                  | Single                     | 1                              | \$/kgal | BOD & SS                 | Monthly service charge & flow charge based on commercial or industrial, Per lb surcharge for high strength users (>250 mg/l of BOD or SS)  |
| Little Rock Water Reclamation Authority, AR    | Single                     | 1                              | \$/ccf  | COD & SS                 | Monthly service charge & flow charge based on inside or outside city limits; Per lb surcharge for high strength users (>600 mg/l of SS, >50 mg/l of oil & grease, or >960 mg/l COD)  |

## Non-Residential Categories

1. Business Type – Non-residential customers are divided into groups based on the type of business and assumed strengths.
2. Single – Non-residential customers are all placed in a single category.
3. Strength Range – Non-residential customers are divided into groups based on a range of strengths.



# Appendix B – Detailed O&M Expenses

## O&M Expenses by Function

| O&M Expenses Info |                                 | Function      | FY 2017     | O&M Expenses Info    |                                | Function   | FY 2017             |
|-------------------|---------------------------------|---------------|-------------|----------------------|--------------------------------|------------|---------------------|
| 1002              | Maintain Interceptor Facilities | Interceptor   | \$830,618   | 4054                 | E BAYSHORE Wtr Redl Fac - Op   | Reclaimed  | \$3,777             |
| 1003              | Operate Interceptor Facilities  | Interceptor   | \$1,952,615 | 4055                 | E BAYSHORE Wtr Redl Fac - Mai  | Reclaimed  | \$101,623           |
| 1004              | Maintain Resrce Recovery Fclty  | R2            | \$512,055   | 6500                 | Operate Irrigation Process     | Reimbursed | \$27,442            |
| 1005              | Operate Resrce Recovery Fclty   | R2            | \$351,531   | 6510                 | Maintain Irrigation Projects   | Reimbursed | \$18,365            |
| 1012              | Maint Main Wwtp Wet Weathr Fac  | Wet           | \$266,273   | 6565                 | Bill & Collection Chargebacks  | Billing    | \$2,196,283         |
| 1123              | Operate Inflnt-Efflnt Facilitis | Influent Op   | \$6,732,235 | 6572                 | Work for Others - Billable     | Reimbursed | \$28,516            |
| 1124              | Maintn Inflnt-Efflnt Facilitis  | Influent Mtn  | \$797,026   | 6573                 | Work for Water System Genl Fnd | Reimbursed | \$1,816             |
| 1221              | Operate Prim Trtmnt Facilities  | Primary Op    | \$21,814    | 6576                 | Work for I/I Correction Progm  | I/I        | \$112               |
| 1222              | Maintn Prim Trtmnt Facilities   | Primary Mtn   | \$442,219   | 6577                 | Union Business Reimbursable    | Reimbursed | \$55,303            |
| 1223              | Public Plant Tours              | Overhead      | \$61,691    | 6579                 | Chev Redl Liq-Operation        | Reclaimed  | \$141,803           |
| 1231              | Grounds Genl Plant Maintenance  | Overhead      | \$2,700,716 | 6600                 | Chev Redl Liq-Maint            | Reclaimed  | \$131,600           |
| 1232              | Janitorial Service              | Overhead      | \$329,362   | 6601                 | RARE Operations & Maintenance  | Reclaimed  | \$516,484           |
| 1312              | Maintain Oxygen Productn Plant  | Secondary Mtn | \$172,274   | 6602                 | Chev Redl Sol - Maintenance    | Reclaimed  | \$52,652            |
| 1322              | Maintn Secndry Reactors Clairf  | Secondary Mtn | \$650,170   | 8000                 | Operating Budget - No Expense  | Overhead   | \$0                 |
| 1323              | Operate Secondary Trtmnt Facil  | Secondary Op  | \$3,281,986 | 8117                 | WW Data Management System      | Overhead   | \$654,043           |
| 1332              | Maintain Process Wtr Plant      | Secondary Mtn | \$3,238     | 8118                 | DCS Operations & Maintenance   | Overhead   | \$164,095           |
| 1423              | Operate Sludge Processes        | Sludge Op     | \$9,395,911 | 8345                 | Vehicle Maintenance and Repair | Overhead   | \$1,332             |
| 1424              | Maintain Sludge Processes       | Sludge Mtn    | \$1,479,309 | 8511                 | Administrative & General       | Overhead   | (\$3,176,540)       |
| 1531              | Operate Oakport Storm Facility  | Wet           | \$344,920   | 8512                 | Employee Relations             | Overhead   | \$229,894           |
| 1532              | Maintain Oakport Storm Facility | Wet           | \$443,502   | 8513                 | General Training               | Overhead   | \$124,045           |
| 1551              | Operate Pt Isabel Storm Facilty | Wet           | \$534,162   | 8515                 | Fiscal Activities              | Overhead   | \$142               |
| 1552              | Maintain Pt Isabel Storm Fclty  | Wet           | \$265,319   | 8516                 | Financial Planning             | Overhead   | \$68,687            |
| 1561              | Ope Sn Antonio Cr Stormwtr Fac  | Wet           | \$137,879   | 8519                 | Rate Analysis                  | Overhead   | \$246               |
| 2004              | Resource Recovery Admin         | R2            | \$1,497,185 | 8523                 | Technical Training             | Overhead   | \$1,481,072         |
| 2011              | Laboratory Analysis             | Lab           | \$3,166,226 | 8524                 | Regulatory Compliance Training | Overhead   | \$179,039           |
| 2012              | Laboratory Support              | Lab           | \$2,534,834 | 8526                 | Internal Audits                | Overhead   | \$305               |
| 2020              | Laboratory Research & Develop   | Lab           | \$112,071   | 8541                 | Financial Reporting            | Overhead   | \$124               |
| 2111              | Maintenance Engineering         | Overhead      | \$0         | 8561                 | Water System A & G Chargebacks | Overhead   | \$6,014,354         |
| 2113              | Research & Developmnt Engnrng   | Overhead      | \$465       | 8563                 | Insurance Chargebacks          | Overhead   | \$343,543           |
| 2114              | Plant Operation Engineering     | Overhead      | \$464,188   | 8567                 | Regulatory Management          | Overhead   | \$919,282           |
| 2115              | Special Investigations          | Overhead      | \$419,817   | 8587                 | Employee Recognition Program   | Overhead   | \$6,425             |
| 2211              | Npdes Compliance Monitoring     | Overhead      | \$418,116   | 8590                 | Non-Ergonomic Furn & Inst Exp  | Overhead   | \$846               |
| 2212              | Admin Indus Dischg Compli Prog  | Permit        | \$555,780   | 8591                 | Ergonomic Audit Compliance     | Overhead   | \$7,562             |
| 2213              | Wet Wthr Compl Monitor (Npdes)  | Wet           | \$816       | 8592                 | Occupational Health & Safety   | Overhead   | \$43,065            |
| 2214              | Investigate Illegal Discharges  | Permit        | \$0         | 8593                 | Workers Compensation           | Overhead   | \$272,528           |
| 2216              | Inspect Indus Discharge Facilt  | Permit        | \$309       | 8595                 | Production Exams               | Overhead   | \$6,693             |
| 2217              | Implmt Pollution Prevent Prog   | Permit        | \$208,740   | 8621                 | Purchases For Stores           | Overhead   | \$0                 |
| 2220              | Air Quality Administration      | Overhead      | \$3,373     | 8624                 | Rebuild Parts for WW Stores    | Sludge Mtn | \$79,731            |
| 2222              | Inspect Support Ww Dept Projts  | Overhead      | \$1,445     | 8711                 | Community Relations            | Overhead   | \$2,939             |
| 2224              | Review Compliance               | Permit        | \$19,169    | 8712                 | Legislative Affairs            | Overhead   | \$11,549            |
| 2225              | Other Source Contrl Activities  | Permit        | \$344,441   | 8713                 | Customer/News Media Relations  | Overhead   | \$0                 |
| 2226              | Other Field Service Activities  | Permit        | \$13,631    | 8723                 | District Publications          | Overhead   | \$0                 |
| 2227              | Grease Hotspot Response         | Reimbursed    | \$86,071    | 8732                 | Emer Prepare/Hazd Miti Mgmt    | Overhead   | \$25,548            |
| 2228              | I/I Control Program             | I/I           | \$3,998,689 | 8733                 | Affirmative Action             | Overhead   | \$19,280            |
| 2230              | Inspect/Monitor Revenue Prgram  | Overhead      | \$239       | 8755                 | Financial Systems              | Overhead   | \$368               |
| 2231              | Revise Revenue Programs         | Overhead      | \$260,839   | 8766                 | Info Sys Planning              | Overhead   | \$135,740           |
| 2233              | Admn Wet Wthr Rates & Charges   | Billing       | \$35,463    | 8905                 | Organizational Memberships     | Overhead   | \$198,756           |
| 2400              | WW Asset Management Program     | Overhead      | \$357,949   | 8923                 | Risk Management                | Overhead   | \$40                |
| 2401              | WW Emergency Preparedness       | Overhead      | \$32,561    | 8940                 | Capital Programs Management    | Overhead   | \$343,379           |
| 3627              | Operate Pwr Generation Facility | PGS           | \$1,695,246 | 8941                 | Departmental Overhead          | Overhead   | \$4,265,448         |
| 3657              | Maint Power Generation Facility | PGS           | \$287,360   | 8951                 | Area Yard Expense              | Overhead   | \$0                 |
| 4052              | Chevron Reclamation Fac Oper    | Reclaimed     | \$4,852     | 8992                 | Budget Office Adjustments      | Overhead   | \$0                 |
|                   |                                 |               |             | <b>TOTAL O&amp;M</b> |                                |            | <b>\$63,926,037</b> |

# Appendix C – Fixed Asset Listing

## Fixed Asset Listing Including R2 Assets

| Unit Process<br>CATEGORY*                              | Class Descr.                                | Class Code          | ORIG.COST    | ENR ADJ COST  | DEPR.        | NET BOOK<br>VALUE | ENR ADJ NET<br>BOOK |
|--|---|---------------------|--------------|---------------|--------------|-------------------|---------------------|
| CHLORINATION   | Mwwtp-Chlorine System                       | <b>WW0352 Total</b> | \$195,146    | \$235,085     | \$38,192     | \$156,954         | \$186,190           |
| CHLORINATION   | Mwwtp-Chlorination Building                 | <b>WW0402 Total</b> | \$4,251,633  | \$8,305,662   | \$2,822,637  | \$1,428,996       | \$2,780,669         |
| EFFLUENT   | Mwwtp-Outfall Land                          | <b>WW0311 Total</b> | \$2,078,909  | \$37,573,997  | \$1,749,213  | \$329,696         | \$4,914,159         |
| EFFLUENT   | Mwwtp-Outfall Submarine                     | <b>WW0312 Total</b> | \$5,545,770  | \$35,463,863  | \$2,484,933  | \$3,060,837       | \$9,205,483         |
| EFFLUENT   | Mwwtp-Outfall Bridge                        | <b>WW0313 Total</b> | \$238,025    | \$553,777     | \$144,239    | \$93,786          | \$218,197           |
| EFFLUENT   | Mwwtp-Effluent Pump Station                 | <b>WW0342 Total</b> | \$19,753,653 | \$50,937,272  | \$14,466,277 | \$5,287,377       | \$10,388,412        |
| EFFLUENT   | Mwwtp-Water Pump Station #3                 | <b>WW0347 Total</b> | \$896,125    | \$1,758,671   | \$456,222    | \$439,902         | \$863,322           |
| EFFLUENT   | Mwwtp-Process Water Plant                   | <b>WW0381 Total</b> | \$35,549     | \$45,931      | \$10,072     | \$25,477          | \$32,917            |
| EFFLUENT   | Mwwtp-Dechlorination Station                | <b>WW0382 Total</b> | \$11,547,948 | \$21,763,793  | \$6,176,794  | \$5,371,154       | \$8,720,247         |
| EFFLUENT   | Mwwtp-Filter Plant Solids Handling Facility | <b>WW0387 Total</b> | \$23,339,363 | \$30,708,751  | \$5,841,899  | \$17,497,464      | \$22,626,059        |
| EFFLUENT   | Mwwtp-Sodium Bisulfite Area                 | <b>WW0508 Total</b> | \$2,228,383  | \$4,106,789   | \$1,777,323  | \$451,061         | \$831,280           |
| GENERAL (% ALLOC Mwwtp-Grounds & Improvements          |   | <b>WW0371 Total</b> | \$17,856,733 | \$65,846,631  | \$3,554,284  | \$14,302,449      | \$41,252,798        |
| GENERAL (% ALLOC Mwwtp-Administration And Lab Building |   | <b>WW0372 Total</b> | \$14,641,163 | \$24,856,819  | \$5,042,638  | \$9,598,525       | \$16,251,701        |
| GENERAL (% ALLOC Mwwtp-Service Building                |   | <b>WW0373 Total</b> | \$85,103     | \$1,521,999   | \$85,103     | \$0               | \$0                 |
| GENERAL (% ALLOC Mwwtp-Administration And Lab Center   |   | <b>WW0375 Total</b> | \$29,149,018 | \$61,751,583  | \$18,730,344 | \$10,418,674      | \$18,533,056        |
| GENERAL (% ALLOC Mwwtp-Maintenance Center              |   | <b>WW0376 Total</b> | \$12,762,666 | \$25,027,753  | \$4,496,152  | \$8,266,515       | \$13,965,697        |
| GENERAL (% ALLOC Mwwtp-Piping For Plant Utilities      |   | <b>WW0401 Total</b> | \$29,335,050 | \$53,964,487  | \$23,475,208 | \$5,859,841       | \$8,456,170         |
| GENERAL (% ALLOC Mwwtp-Bulk Storage Area               |   | <b>WW0506 Total</b> | \$4,675,143  | \$8,616,033   | \$3,857,998  | \$817,145         | \$1,505,954         |
| GENERAL (% ALLOC Mwwtp-Field Services Bldg             |   | <b>WW0917 Total</b> | \$2,707,085  | \$4,385,876   | \$520,848    | \$2,186,237       | \$3,531,511         |
| GENERAL (% ALLOC Wastewater Land - General             |   | <b>WWLAND Total</b> | \$15,698,358 | \$18,838,029  | \$0          | \$15,698,358      | \$18,838,029        |
| GENERAL (% ALLOC ALL WASTEWATER PORTABLE EQUIPMENT     |   | <b>WWPEQP Total</b> | \$17,016,906 | \$23,080,843  | \$8,857,313  | \$8,159,593       | \$9,022,399         |
| GRIT   | Mwwtp-Aerated Grit Tanks                    | <b>WW0351 Total</b> | \$6,738,689  | \$24,868,458  | \$5,142,043  | \$1,596,646       | \$5,543,750         |
| GRIT   | Mwwtp-Grit Dewatering Station               | <b>WW0357 Total</b> | \$13,095,923 | \$18,293,994  | \$4,799,289  | \$8,296,634       | \$11,380,202        |
| INFLUENT   | Mwwtp-Influent Pump Station                 | <b>WW0341 Total</b> | \$44,958,489 | \$87,805,442  | \$23,222,046 | \$21,736,444      | \$32,843,269        |
| INTERCEPTOR  | North Interceptor                           | <b>WW0301 Total</b> | \$41,420,877 | \$123,207,365 | \$12,945,682 | \$28,475,195      | \$58,423,966        |
| INTERCEPTOR  | South Interceptor                           | <b>WW0302 Total</b> | \$34,996,907 | \$194,804,054 | \$14,527,558 | \$20,469,350      | \$50,076,391        |
| INTERCEPTOR  | Alameda Interceptor                         | <b>WW0303 Total</b> | \$16,499,924 | \$50,887,666  | \$2,888,235  | \$13,611,689      | \$20,746,285        |
| INTERCEPTOR  | Estuary Crossing                            | <b>WW0304 Total</b> | \$456,493    | \$8,613,905   | \$398,346    | \$58,147          | \$1,097,142         |
| INTERCEPTOR  | Central Avenue Interceptor                  | <b>WW0305 Total</b> | \$8,938,996  | \$16,212,501  | \$2,322,141  | \$6,616,856       | \$12,000,875        |
| INTERCEPTOR  | South Foothill Interceptor                  | <b>WW0306 Total</b> | \$21,294,073 | \$41,755,704  | \$6,350,700  | \$14,943,372      | \$29,180,384        |
| INTERCEPTOR  | Adeline Street Interceptor                  | <b>WW0307 Total</b> | \$18,786,975 | \$34,841,246  | \$5,298,935  | \$13,488,040      | \$24,768,192        |
| INTERCEPTOR  | Powell Street Interceptor                   | <b>WW0308 Total</b> | \$5,290,727  | \$10,023,746  | \$3,149,519  | \$2,141,208       | \$4,032,671         |
| INTERCEPTOR  | ANAS Interceptor                            | <b>WW0309 Total</b> | \$3,487,760  | \$5,903,844   | \$747,931    | \$2,739,830       | \$4,637,798         |
| INTERCEPTOR  | Wood St Interceptor                         | <b>WW0310 Total</b> | \$20,997,951 | \$22,990,808  | \$715,854    | \$20,282,096      | \$22,104,951        |
| INTERCEPTOR  | Pump Station A-Albany                       | <b>WW0321 Total</b> | \$3,671,840  | \$6,903,405   | \$1,264,231  | \$2,407,608       | \$3,237,385         |
| INTERCEPTOR  | Pump Station B-Fernside                     | <b>WW0322 Total</b> | \$6,626,560  | \$13,437,291  | \$3,554,247  | \$3,072,313       | \$5,585,393         |
| INTERCEPTOR  | Pump Station C-Krusi Park                   | <b>WW0323 Total</b> | \$13,224,227 | \$27,331,207  | \$6,245,021  | \$6,979,206       | \$12,134,648        |
| INTERCEPTOR  | Pump Station D-Oak Street                   | <b>WW0324 Total</b> | \$1,476,192  | \$2,413,942   | \$261,955    | \$1,214,238       | \$1,554,592         |
| INTERCEPTOR  | Pump Station E-Grand Street                 | <b>WW0325 Total</b> | \$1,456,328  | \$2,232,785   | \$259,280    | \$1,197,049       | \$1,400,556         |
| INTERCEPTOR  | Pump Station F-Atlantic Avenue              | <b>WW0326 Total</b> | \$1,858,182  | \$4,964,291   | \$993,727    | \$864,455         | \$1,685,186         |
| INTERCEPTOR  | Pump Station G-Airport                      | <b>WW0327 Total</b> | \$2,676,794  | \$6,036,937   | \$1,232,324  | \$1,444,470       | \$2,795,700         |
| INTERCEPTOR  | Pump Station H-Fruitvale                    | <b>WW0328 Total</b> | \$11,532,000 | \$21,587,169  | \$4,213,606  | \$7,318,394       | \$9,657,560         |
| INTERCEPTOR  | Pump Station J-Frederick Street             | <b>WW0329 Total</b> | \$1,353,719  | \$4,232,678   | \$912,424    | \$441,295         | \$1,257,012         |
| INTERCEPTOR  | Pump Station K-7Th Street                   | <b>WW0330 Total</b> | \$1,426,705  | \$4,302,641   | \$882,403    | \$544,302         | \$1,412,098         |

## Fixed Asset Listing Including R2 Assets Continued

| Unit Process<br>CATEGORY*      | Class Descr.                                    | Class Code          | ORIG.COST              | ENR ADJ COST           | DEPR.                | NET BOOK<br>VALUE    | ENR ADJ NET<br>BOOK    |
|--------------------------------|---|---------------------|------------------------|------------------------|----------------------|----------------------|------------------------|
| INTERCEPTOR                    | Pump Station L                                  | <b>WW0331 Total</b> | \$4,860,237            | \$9,397,137            | \$2,148,866          | \$2,711,371          | \$5,015,645            |
| INTERCEPTOR                    | Pump Station Q- Wet Weather Page St Berkeley    | <b>WW0333 Total</b> | \$591,847              | \$1,024,700            | \$261,770            | \$330,077            | \$554,685              |
| INTERCEPTOR                    | Pump Station N (new)                            | <b>WW0334 Total</b> | \$6,329                | \$8,531                | \$2,022              | \$4,307              | \$5,806                |
| INTERCEPTOR                    | ANAS Pump Station R                             | <b>WW0335 Total</b> | \$7,367,039            | \$12,474,919           | \$1,557,089          | \$5,809,949          | \$9,838,090            |
| INTERCEPTOR                    | Pump Station M - Bridgeway                      | <b>WW0344 Total</b> | \$2,963,275            | \$4,417,692            | \$906,942            | \$2,056,333          | \$2,830,600            |
| Secondary                      | Mwwtp-Reactor Deck Area-Oxygen Production       | <b>WW0369 Total</b> | \$11,292,511           | \$27,264,106           | \$8,619,301          | \$2,673,209          | \$5,642,565            |
| Secondary                      | Mwwtp-Secondary Treatment Facility              | <b>WW0370 Total</b> | \$68,885,284           | \$186,848,178          | \$35,772,517         | \$33,112,767         | \$68,121,502           |
| PGS                            | Mwwtp-Power Generation Station                  | <b>WW0386 Total</b> | \$94,548,798           | \$142,097,199          | \$34,377,181         | \$60,171,617         | \$77,442,495           |
| PRIMARY                        | Mwwtp-Scum Dewatering Station                   | <b>WW0399 Total</b> | \$8,971,497            | \$13,645,702           | \$2,710,608          | \$6,260,889          | \$9,352,008            |
| PRIMARY                        | Mwwtp-Chemical Trench                           | <b>WW0400 Total</b> | \$720,479              | \$1,413,962            | \$265,109            | \$455,370            | \$893,677              |
| PRIMARY                        | Mwwtp-Pre-Chlorination Facility                 | <b>WW0507 Total</b> | \$1,451,611            | \$2,675,239            | \$1,047,253          | \$404,358            | \$745,210              |
| SLUDGE                         | Mwwtp-Chemical Storage Building (Relocated)     | <b>WW0374 Total</b> | \$3,099,994            | \$5,431,990            | \$1,707,302          | \$1,392,692          | \$2,403,686            |
| SLUDGE                         | Mwwtp-Sludge Digestion Facilities               | <b>WW0383 Total</b> | \$137,687,776          | \$189,522,660          | \$36,039,066         | \$101,648,710        | \$127,315,822          |
| SLUDGE                         | Mwwtp-Sludge Dewatering Facilities              | <b>WW0384 Total</b> | \$40,533,004           | \$66,048,316           | \$16,776,847         | \$23,756,157         | \$34,276,421           |
| SLUDGE                         | Mwwtp-Temp Sludge Dewatering Facility           | <b>WW0385 Total</b> | \$1,521,047            | \$1,965,280            | \$435,188            | \$1,085,859          | \$1,402,992            |
| SLUDGE                         | Mwwtp-Odor Control At Sludge Thickener          | <b>WW0388 Total</b> | \$15,546,197           | \$31,588,096           | \$9,431,944          | \$6,114,254          | \$12,152,375           |
| SLUDGE                         | Mwwtp-Composting Facility                       | <b>WW0450 Total</b> | \$1,316,220            | \$1,769,386            | \$422,719            | \$893,502            | \$1,201,029            |
| WET WEATHER                    | Pt. Isabel Tp-Treatment & Pretreatment Structur | <b>WW0343 Total</b> | \$45,505,445           | \$79,322,234           | \$23,284,945         | \$22,220,500         | \$38,484,242           |
| WET WEATHER                    | Mwwtp-Mid-Plant Pump Station                    | <b>WW0346 Total</b> | \$6,638,722            | \$10,689,873           | \$3,071,790          | \$3,566,932          | \$5,416,024            |
| WET WEATHER                    | Mwwtp-Wet Weather Pump Station                  | <b>WW0348 Total</b> | \$1,289,130            | \$1,793,206            | \$281,433            | \$1,007,696          | \$1,350,090            |
| WET WEATHER                    | Mwwtp-Washdown Pump Station                     | <b>WW0349 Total</b> | \$215,504              | \$422,933              | \$132,464            | \$83,040             | \$162,968              |
| WET WEATHER                    | Point Richmond-Pretreatment Structure           | <b>WW0354 Total</b> | \$8,000                | \$14,744               | \$8,000              | \$0                  | \$0                    |
| WET WEATHER                    | Oakport Wet Weather-Pretreatment Structure      | <b>WW0355 Total</b> | \$10,004,031           | \$20,696,768           | \$4,695,127          | \$5,308,904          | \$10,353,021           |
| WET WEATHER                    | Oakport Wet Weather-Pretreatment Structure      | <b>WW0356 Total</b> | \$2,043,657            | \$3,035,239            | \$320,290            | \$1,723,367          | \$2,403,306            |
| WET WEATHER                    | Mwwtp-Channel Crossing For Bypass Channel       | <b>WW0358 Total</b> | \$4,780,140            | \$9,381,167            | \$1,596,693          | \$3,183,447          | \$6,247,609            |
| WET WEATHER                    | Mwwtp 90" Pipe-Primry Effluent Bypass           | <b>WW0359 Total</b> | \$2,005,802            | \$3,936,446            | \$582,318            | \$1,423,484          | \$2,793,630            |
| WET WEATHER                    | Mwwtp 72" Pipe-Primry Influent Bypass           | <b>WW0360 Total</b> | \$2,540,549            | \$4,830,464            | \$1,231,433          | \$1,309,116          | \$2,552,927            |
| WET WEATHER                    | Mwwtp-Diversion Structure                       | <b>WW0361 Total</b> | \$28,195,434           | \$76,418,148           | \$11,603,602         | \$16,591,832         | \$27,553,044           |
| WET WEATHER                    | Mwwtp-Bypass Inlet Structure                    | <b>WW0362 Total</b> | \$15,415,976           | \$66,083,386           | \$10,831,043         | \$4,584,933          | \$10,480,288           |
| WET WEATHER                    | North Interceptor Junction Storage              | <b>WW0363 Total</b> | \$341,675              | \$1,094,573            | \$117,925            | \$223,750            | \$863,142              |
| WET WEATHER                    | Mwwtp-Bypass Outlet Structure                   | <b>WW0364 Total</b> | \$587,432              | \$1,855,267            | \$273,342            | \$314,090            | \$616,410              |
| WET WEATHER                    | Mwwtp-Final Effluent Bypass Channel             | <b>WW0365 Total</b> | \$8,287,786            | \$9,507,372            | \$747,149            | \$7,540,637          | \$8,548,717            |
| WET WEATHER                    | Mwwtp-Storage Basin                             | <b>WW0366 Total</b> | \$20,503,268           | \$40,861,822           | \$6,996,233          | \$13,507,035         | \$26,506,411           |
| WET WEATHER                    | Oakport WW-Chlor System                         | <b>WW0391 Total</b> | \$628,279              | \$1,345,499            | \$527,519            | \$100,760            | \$177,325              |
| WET WEATHER                    | Oakport WW-DeChlor System                       | <b>WW0392 Total</b> | \$962,754              | \$1,953,463            | \$869,987            | \$92,767             | \$149,286              |
| WET WEATHER                    | Oakport WW-Control Bldg                         | <b>WW0393 Total</b> | \$1,439,408            | \$3,195,628            | \$1,057,726          | \$381,682            | \$847,594              |
| WET WEATHER                    | Oakport WW-Emg Gen                              | <b>WW0394 Total</b> | \$955,196              | \$1,843,016            | \$557,844            | \$397,352            | \$632,197              |
| WET WEATHER                    | Oakport WW-Drainage                             | <b>WW0395 Total</b> | \$1,160,534            | \$2,577,178            | \$687,704            | \$472,831            | \$1,050,006            |
| WET WEATHER                    | Oakport WW-Washwtr Pump Sta.                    | <b>WW0396 Total</b> | \$121,075              | \$268,870              | \$121,075            | \$0                  | \$0                    |
| WET WEATHER                    | Oakport WW-Storage Bldg.                        | <b>WW0397 Total</b> | \$436,931              | \$970,286              | \$151,788            | \$285,143            | \$633,213              |
| WET WEATHER                    | Oakport WW-Lscape/Pav/Fence                     | <b>WW0398 Total</b> | \$1,996,609            | \$4,417,692            | \$483,477            | \$1,513,133          | \$3,344,044            |
| WET WEATHER                    | San Antonio Creek Wet Weather TP                | <b>WW0500 Total</b> | \$13,470,868           | \$24,821,541           | \$6,619,905          | \$6,850,962          | \$12,622,514           |
| WET WEATHER                    | San Antonio Creek Ww Dechlorination Facility    | <b>WW0501 Total</b> | \$6,203,211            | \$8,990,173            | \$1,786,184          | \$4,417,027          | \$5,917,619            |
| WET WEATHER                    | San Antonio Creek Ww Outfall Structure          | <b>WW0502 Total</b> | \$2,682,144            | \$4,934,140            | \$1,165,669          | \$1,516,475          | \$2,787,508            |
| WET WEATHER                    | San Antonio Creek Ww Gravity Sewer              | <b>WW0503 Total</b> | \$540,029              | \$995,243              | \$220,545            | \$319,484            | \$588,791              |
| WET WEATHER                    | San Antonio Creek Ww Lake Merritt Channel Cro   | <b>WW0504 Total</b> | \$1,759,796            | \$3,243,208            | \$898,431            | \$861,364            | \$1,587,448            |
| WET WEATHER                    | San Antonio Creek Ww Outfall Subequacous Pip    | <b>WW0505 Total</b> | \$2,278,822            | \$4,199,745            | \$930,711            | \$1,348,111          | \$2,484,495            |
| INTERCEPTOR                    | Versailles interceptor                          | <b>WW0918 Total</b> | \$1,552,995            | \$1,700,439            | \$71,179             | \$1,481,816          | \$1,622,502            |
| <b>TOTAL WASTEWATER ASSETS</b> |   |                     | <b>\$1,082,218,409</b> | <b>\$2,305,987,576</b> | <b>\$441,320,440</b> | <b>\$640,897,969</b> | <b>\$1,047,651,236</b> |

# Appendix D – Construction Cost Index

## Engineering News Record Construction Cost Index – 20 Cities

| Year | CCI Average | Year | CCI Average | Year | CCI Average |
|------|-------------|------|-------------|------|-------------|
| 1908 | 97          | 1945 | 308         | 1982 | 3825        |
| 1909 | 91          | 1946 | 346         | 1983 | 4066        |
| 1910 | 96          | 1947 | 413         | 1984 | 4146        |
| 1911 | 93          | 1948 | 461         | 1985 | 4195        |
| 1912 | 91          | 1949 | 477         | 1986 | 4295        |
| 1913 | 100         | 1950 | 510         | 1987 | 4406        |
| 1914 | 89          | 1951 | 543         | 1988 | 4519        |
| 1915 | 93          | 1952 | 569         | 1989 | 4615        |
| 1916 | 130         | 1953 | 600         | 1990 | 4732        |
| 1917 | 181         | 1954 | 628         | 1991 | 4835        |
| 1918 | 189         | 1955 | 660         | 1992 | 4985        |
| 1919 | 198         | 1956 | 692         | 1993 | 5210        |
| 1920 | 251         | 1957 | 724         | 1994 | 5408        |
| 1921 | 202         | 1958 | 759         | 1995 | 5471        |
| 1922 | 174         | 1959 | 797         | 1996 | 5620        |
| 1923 | 214         | 1960 | 824         | 1997 | 5826        |
| 1924 | 215         | 1961 | 847         | 1998 | 5920        |
| 1925 | 207         | 1962 | 872         | 1999 | 6059        |
| 1926 | 208         | 1963 | 901         | 2000 | 6221        |
| 1927 | 206         | 1964 | 936         | 2001 | 6343        |
| 1928 | 207         | 1965 | 971         | 2002 | 6538        |
| 1929 | 207         | 1966 | 1019        | 2003 | 6694        |
| 1930 | 203         | 1967 | 1074        | 2004 | 7115        |
| 1931 | 181         | 1968 | 1155        | 2005 | 7446        |
| 1932 | 157         | 1969 | 1269        | 2006 | 7751        |
| 1933 | 170         | 1970 | 1381        | 2007 | 7966        |
| 1934 | 198         | 1971 | 1581        | 2008 | 8310        |
| 1935 | 196         | 1972 | 1753        | 2009 | 8570        |
| 1936 | 206         | 1973 | 1895        | 2010 | 8799        |
| 1937 | 235         | 1974 | 2020        | 2011 | 9070        |
| 1938 | 236         | 1975 | 2212        | 2012 | 9308        |
| 1939 | 236         | 1976 | 2401        | 2013 | 9547        |
| 1940 | 242         | 1977 | 2576        | 2014 | 9806        |
| 1941 | 258         | 1978 | 2776        | 2015 | 10035       |
| 1942 | 276         | 1979 | 3003        | 2016 | 10338       |
| 1943 | 290         | 1980 | 3237        | 2017 | 10737       |
| 1944 | 299         | 1981 | 3535        | 2018 | 11062       |

# Appendix E – Non-Residential WCF

## Non-Residential Yearly Average Wastewater Use by Meter Size for WCF Calculation

| Meter Size   | FY 17 WW Consumption (ccf) | Number of Accounts | Yearly Average Use (ccf) |
|--------------|----------------------------|--------------------|--------------------------|
| 5/8 inch     | 1,230,073                  | 9,318              | 132                      |
| 3/4 & 1 inch | 1,231,818                  | 3,548              | 347                      |
| 1-1/2 inch   | 2,008,662                  | 2,973              | 676                      |

## Non-Residential Strength Assumptions for WCF Calculation

| BCC  | Description                  | COD (mg/L) | TSS (mg/L) | Total Strength | Strength Category | Flow (hcf/yr) | Weighted COD  | Weighted TSS |
|------|------------------------------|------------|------------|----------------|-------------------|---------------|---------------|--------------|
| 2010 | Meat Products                | 7,752      | 420        | 8,172          | High              | 4,776         | 37,023,552    | 2,005,920    |
| 2011 | Slaughterhouses              | 3,230      | 1,400      | 4,630          | Medium            | 944           | 3,049,120     | 1,321,600    |
| 2020 | Dairy Product Processing     | 5,491      | 390        | 5,881          | High              | 5,917         | 32,490,247    | 2,307,630    |
| 2040 | Grain Mills                  | 2,196      | 770        | 2,966          | Medium            | 4,955         | 10,884,214    | 3,815,719    |
| 2050 | Bakeries                     | 5,491      | 1,200      | 6,691          | High              | 22,221        | 122,015,511   | 26,665,200   |
| 2060 | Sugar Processing             | 5,168      | 30         | 5,198          | High              | 4,372         | 22,594,496    | 131,160      |
| 2080 | Beverage Mfgr & Bottling     | 3,101      | 130        | 3,231          | Medium            | 99,255        | 307,771,216   | 12,903,205   |
| 2090 | Specialty Foods Mfgr         | 15,504     | 1,300      | 16,804         | High              | 9,014         | 139,753,056   | 11,718,200   |
| 2600 | Pulp and Paper Products      | 1,744      | 640        | 2,384          | Medium            | 3,716         | 6,482,040     | 2,378,458    |
| 2810 | Inorganic Chemicals Mfgr     | 323        | 1,400      | 1,723          | Medium            | 2,869         | 926,687       | 4,016,600    |
| 2820 | Synthetic Material Mfgr      | 97         | 30         | 127            | Low               | 2,620         | 253,878       | 78,600       |
| 2830 | Drug Mfgr                    | 2,003      | 70         | 2,073          | Medium            | 121,476       | 243,268,679   | 8,503,349    |
| 2840 | Cleaning and Sanitation Prod | 4,522      | 420        | 4,942          | Medium            | 839           | 3,793,958     | 352,380      |
| 2850 | Paint Mfgr                   | 7,752      | 1,400      | 9,152          | High              | 140           | 1,085,280     | 196,000      |
| 3200 | Earthenware Mfgr             | 388        | 550        | 938            | Low               | 8,157         | 3,161,653     | 4,486,350    |
| 3300 | Primary Metals Mfgr          | 291        | 360        | 651            | Low               | 17,075        | 4,963,680     | 6,146,973    |
| 3400 | Metal Prod Fabricating       | 258        | 30         | 288            | Low               | 12,835        | 3,316,564     | 385,050      |
| 3470 | Metal Coating                | 258        | 70         | 328            | Low               | 4,660         | 1,204,061     | 326,177      |
| 4500 | Air Transportation           | 808        | 100        | 908            | Low               | 95,439        | 77,066,593    | 9,543,851    |
| 5812 | Food Service Establishment   | 1,809      | 940        | 2,749          | Medium            | 778,957       | 1,408,977,422 | 732,219,580  |
| 7000 | Hotels, Motels with Food     | 840        | 680        | 1,520          | Low               | 182,844       | 153,552,302   | 124,333,848  |
| 7210 | Commercial Laundries         | 1,841      | 310        | 2,151          | Medium            | 16,536        | 30,444,430    | 5,126,160    |
| 7215 | Coin Operated Laundromats    | 1,163      | 190        | 1,353          | Low               | 247,521       | 287,817,419   | 47,028,990   |
| 7218 | Industrial Laundries         | 8,721      | 740        | 9,461          | High              | 61,921        | 540,011,646   | 45,821,422   |
| 7300 | Laboratories                 | 614        | 80         | 694            | Low               | 73,470        | 45,088,809    | 5,877,635    |
| 7542 | Auto Washing and Polishing   | 937        | 200        | 1,137          | Low               | 46,252        | 43,324,248    | 9,250,400    |
| 8060 | Hospitals                    | 517        | 270        | 787            | Low               | 196,797       | 101,704,493   | 53,135,087   |
| 8200 | Schools                      | 452        | 80         | 532            | Low               | 727,541       | 328,993,952   | 58,203,264   |
| 0    | All Other                    | 713        | 300        | 1,013          | Low               | 2,804,374     | 1,998,116,539 | 841,312,227  |





## BOARD ACTION

|                |     |               |               |
|----------------|-----|---------------|---------------|
| Agenda Number: | 19. | Meeting Date: | June 10, 2025 |
|----------------|-----|---------------|---------------|


|       |   |
|-------|---|
| TITLE | <b>WATER AND WASTEWATER SYSTEM BUDGETS FOR FISCAL YEARS 2026 AND 2027</b> |
|-------|---|

|        |                                  |   |                                     |
|--------|----------------------------------|---|-------------------------------------|
| ACTION | <input type="checkbox"/> Motion: | <input checked="" type="checkbox"/> Resolution: | <input type="checkbox"/> Ordinance: |
|--------|----------------------------------|---|-------------------------------------|

|                    |  |
|--------------------|--|
| RECOMMENDED ACTION | Adopt operating, debt service, and capital budgets for the Water and Wastewater systems for Fiscal Year (FY) 2026 and FY 2027 as recommended in the FY 2026 and FY 2027 Proposed Biennial Budget presented to the Board of Directors on March 25, 2025 with minor modifications thereto, establishing the terms and conditions for the payment of demands against the District, delegating authority for certain budget implementation actions, and expressing the District's intention to issue tax exempt debt obligations for reimbursement of expenditures for certain capital improvement projects. |
|--------------------|--|

|         |  |
|---------|--|
| SUMMARY | The recommended action will ensure that adequate funding is in place on July 1 of each of the next two fiscal years to fund District operations. |
|---------|--|

|            |   |
|------------|---|
| DISCUSSION | <p>The FY 2026 and FY 2027 Proposed Biennial Budget appropriation is \$3.1 billion for Water and Wastewater systems operations, debt service, and capital appropriations. This proposed budget continues the District's investments in aging infrastructure and provides for long-term financial stability. The proposed budget allows the District to move forward on critical projects and maintenance activities and covers cost increases associated with inflation, including cost of living increases.</p> <p>The Board of Directors held two budget workshops. At the January 28, 2025 workshop, staff presented on major investments in FY 2024 and FY 2025, the approach to developing the FY 2026 and FY 2027 Biennial Budget, preliminary budget proposals, operating and capital priorities, and staffing. At the March 25, 2025 workshop, staff presented the FY 2026 and FY 2027 proposed biennial budget, including revenues, operating, debt service, and capital expenses; recommended revisions to the water and wastewater schedule of rates and charges subject to Proposition 218; and information on changes to the proposed budget from the plan presented at the first Budget Workshop on January 28, 2025.</p> <p>Changes since the Proposed Budget Book was published include minor corrections to table errors related to future year rate increases and debt; all changes reflect what was shown to the Board at the March 25, 2025 workshop. There were also minor refinements to budgets within the same departments or across departments but within the same system. These changes may lead to slight increases or decreases in departments' budgets, but the overall budgets for the two systems have not changed.</p> |
|------------|---|

|  |   |                          |   |
|--|---|--------------------------|---|
| <b>Originating Department:</b><br>Finance  | <b>Department Director or Manager:</b><br>Sophia D. Skoda | <b>CEP Forms?</b><br>N/A | <b>Board Action Type:</b><br>Financial  |
| <b>Funds Available:</b><br>N/A   | <b>Budget Coding:</b><br>N/A                              |                          | <b>Approved:</b><br> |
| <b>Attachment(s):</b><br>Fiscal Years 2026 and 2027 Proposed Biennial Budget Volumes 1 and 2; Resolution |   |                          |   |

|        |  |               |               |
|--------|--|---------------|---------------|
| Title: | Water and Wastewater System Budgets for Fiscal Years 2026 and 2027 | Meeting Date: | June 10, 2025 |
|--------|--|---------------|---------------|

The proposed budget resolution would adopt the FY 2026 and FY 2027 operating, debt service, and capital appropriations budgets for both the Water and Wastewater systems. In compliance with Section 11891.5 of the Public Utilities Code, the FY 2026 and FY 2027 biennial budget appropriation is shown in major groups of accounts as follows:

| WATER SYSTEM:           | <u>FY 2026</u>  | <u>FY 2027</u>  |
|-------------------------|-----------------|-----------------|
| Operating               | \$456,433,205   | \$478,498,390   |
| Debt Service            | 269,710,000     | 289,380,000     |
| Capital                 | 729,154,266     | 394,444,383     |
| Total Water System      | \$1,455,297,471 | \$1,162,322,773 |
| WASTEWATER SYSTEM       |                 |                 |
| Operating               | \$118,937,574   | \$123,682,296   |
| Debt Service            | 36,925,000      | 36,790,000      |
| Capital                 | 90,315,931      | 120,779,370     |
| Total Wastewater System | \$246,178,505   | \$281,251,666   |

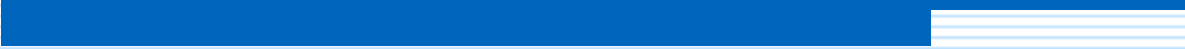
The attached budget resolution authorizes certain actions and delegates certain authorities to the General Manager and the Director of Finance to facilitate ongoing administration of the District budget. This includes the authority to appropriate and spend any grant funds awarded and to reimburse the District for capital expenditures from the proceeds of tax-exempt debt.

## ALTERNATIVE

**Do not adopt the FY 2026 and FY 2027 operating, debt service, and capital budgets for the Water and Wastewater systems.** This alternative is not recommended because an adopted budget is required on July 1 to continue funding District operations.

# Proposed Biennial Budget

*Fiscal Years 2026 & 2027*



**Volume 1:**  
*Overview*  
*Water System*  
*Wastewater System*

*East Bay Municipal Utility District*  
*Oakland, California*



# **East Bay Municipal Utility District Biennial Budget Fiscal Years 2026 & 2027**

**Volume 1:      Water & Wastewater Systems  
Operating and Capital**

**Volume 2:      Capital Award Summaries**

**Presented to the Board of Directors  
March 25, 2025**

**EBMUD Fun Fact:**

EBMUD meter readers walk as many as 1,400 miles per year. That's equivalent to walking to Portland, Oregon and back.

# Biennial Budget Fiscal Years 2026 and 2027

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# General Manager's Message

July 1, 2025

Honorable Members of the Board of Directors:

I am pleased to present the water and wastewater budgets for Fiscal Year 2026 (FY 2026) and Fiscal Year 2027 (FY 2027) in support of our mission to provide reliable, high-quality water and wastewater services for the people of the East Bay.

## BUDGET OVERVIEW

For more than a century, the East Bay Municipal Utility District (EBMUD) has managed the critical water and wastewater infrastructure that allows our community to thrive. EBMUD employees are dedicated to serving our more-than 1.4 million water customers and 740,000 wastewater customers in Alameda and Contra Costa counties.

From our watershed in the Sierra Nevada foothills to our customers in the East Bay, EBMUD ensures that water is delivered to taps reliably, safely, and adhering to high water-quality standards. For approximately half of our customers, we treat the wastewater generated by residences, businesses, and other entities before it is released into the San Francisco Bay. A small portion of this treated discharge is recycled for non-potable uses.

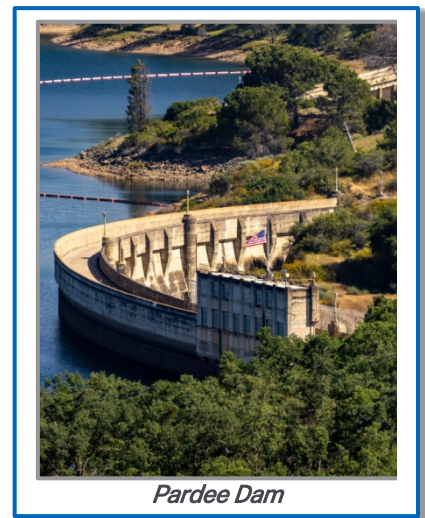
EBMUD is dedicated to fulfilling its mission while maintaining reasonable rates. We prioritize efficiency and innovation, and adopt a strategic, long-term perspective on our systems and finances to effectively serve current customers and future generations.

Even with planning and foresight, EBMUD faces many challenges that require increased residential and commercial rates to prepare for the future. We work to preserve high water quality as we confront adverse impacts from climate change. Aging infrastructure requires renewal to ensure continued reliability. We must meet changing regulations to protect our environment. As we go about our work, we develop new and better ways to engage our customers and cultivate the workforce we need to meet our challenges.

EBMUD's significant investments in our infrastructure include modernizing water treatment plants, relining aqueducts, and replacing aging pipelines to ensure continued reliability. Seismic improvements and facility renewal will enhance safety and better protect the bay. These and other essential investments are accompanied by rising costs in equipment, materials, and labor.

Fulfilling our community's needs requires financial strength. EBMUD navigates its long-term fiscal health by balancing expenses, the use of debt financing, and customer rates to maintain our effectiveness at a reasonable price. Our drinking water remains a good value at about 2 cents per gallon. And for those who need it, EBMUD also offers an industry-leading Customer Assistance Program.

Customer rate increases are necessary to invest in building resilient and reliable water and wastewater systems of the future. Under the proposed average rate increases, pending Board approval, in FY 2026, the typical customer will see monthly increases of \$3.79 in their water bills (or 12 cents per day) and \$2.17 in wastewater bills (or 7 cents per day) after new rates take effect July 1, 2025. For the Water System, these rate changes additionally reflect the results of the 2025 Cost of Service Study, described further below. The increases for FY 2027 result in an additional increase of \$4.31 per month for water (or 14 cents per day) and \$2.35 per month for wastewater (or 8 cents per day) for the same typical customer,



**East Bay Municipal Utility District**  
*General Manager's Message*

effective July 1, 2026. For Water, this represents a 6.5 percent average rate increases in each of these two fiscal years; for Wastewater, the average rate increases are 8.5 percent in each year.

This year, the District updated its Cost of Service (COS) study for the Water System, leading to changes in the structure of some Water rates and charges. COS studies allocate costs among customer classes based on usage characteristics. State law requires basing rates and charges on the cost of providing service. The effort to update the Water COS was thorough and comprehensive and is published separately from the Biennial Budget. The rates and charges for the Wastewater System continue to reflect the 2019 Wastewater COS study.

Resources have been prioritized to achieve Strategic Plan goals and expand new initiatives while maintaining fair and reasonable water and wastewater rates. The FY 2026 and FY 2027 biennial budget supports our Strategic Plan in a wide range of ways:

- **Long-Term Water Supply:** Continuing to support non-potable reuse projects, groundwater projects, and other smart investments.
- **Water Quality & Environmental Protection:** Completing several large Water Treatment Plant Improvements in the 10-year Capital Improvement Program (CIP) will support continued delivery of high-quality water. Additionally, we are continuing to fund efforts to manage the watershed and support healthy rivers and natural lands.
- **Long-Term Infrastructure Investment:** Increasing funding for aging infrastructure and upgrades to major facilities. Additionally, the 10-year CIP is funded using a mix of cash and debt, ensuring future flexibility for significant projects.
- **Long-Term Financial Stability:** Balancing expenses, rate increases, and the use of debt to fund the system's capital investments and operations. Additionally, the new 10-year CIP reflects new Long-Range Financial Planning efforts that has the District on a path to more flexible and resilient finances.
- **Customer and Community Services:** Continuing to increase support for the Customer Assistance Program and increasing resources for education programs for schools.
- **Workforce Planning and Development:** Increasing funding for training with an enhanced focus on training and workforce development for the trades.

## CUSTOMER BILL IMPACTS

The FY 2026 and FY 2027 average rate increases and customer bill impacts are shown below. The median single-family residential (SFR) customer uses 5 Units of water per month (about 123 gallons per day) – meaning half of our SFR customers use more water and half use less. We also provide wastewater treatment services for about half of the same service area, and median usage is 4 Units per month.

*Summary of Proposed Average Rate Increases and Average Bill Impacts for SFR Customers*

| FY 2026 & FY 2027 Proposed Overall Rate & Average Monthly Bill Increase |               |         |                     |         |
|---|---------------|---------|---------------------|---------|
|   | Water System* |         | Wastewater System** |         |
|   | FY 2026       | FY 2027 | FY 2026             | FY 2027 |
| Typical Bill Increase*/**   | \$3.79        | \$4.31  | \$2.17              | \$2.35  |
| Overall Average Rate Increase***  | 6.5%          | 6.5%    | 8.5%                | 8.5%    |

\*For Water, typical bill increases are based on 5 Units of usage, or about 123 gallons per day, which is the median usage for Water SFR customers.

\*\*For Wastewater, typical bill increases are based on 4 Units of water usage, which determines billing for wastewater, and is the median for Wastewater customers.

\*\*\*Overall average rate increases are based on all customers' average bill increases.

**East Bay Municipal Utility District**  
*General Manager's Message*

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The attachment to this message shows the bill impact for a range of use levels. Wastewater customers also pay an annual Wet Weather Facilities Charge collected on the property tax bill. The annual charge is based on lot size and will increase 8.5 percent in FY 2026, or \$12.52 for the smallest lots to \$44.70 for the largest lots. In FY 2027, the charge will increase an additional 8.5 percent, an increase that ranges from \$13.58 to \$48.50 per year.

## **LABOR AGREEMENTS**

District employees are represented by four bargaining groups. American Federation of State, County and Municipal Employees (AFSCME) Local 444, International Federation of Professional and Technical Engineers Local 21, and International Union of Operating Engineers Local 39 all have labor agreements expiring in April 2025, before the beginning of the FY 2026 budget year, which begins July 1, 2025. The fourth bargaining group, AFSCME Local 2019, has a contract that extends to July 13, 2025. The District is currently in negotiations with all four groups.

## **BUDGET OVERVIEW**

The District operates and maintains a vast network of pipelines, storage reservoirs, and treatment facilities to deliver clean, high-quality water to customers and provide wastewater service. Maintaining high-quality service requires ongoing investments in this infrastructure.

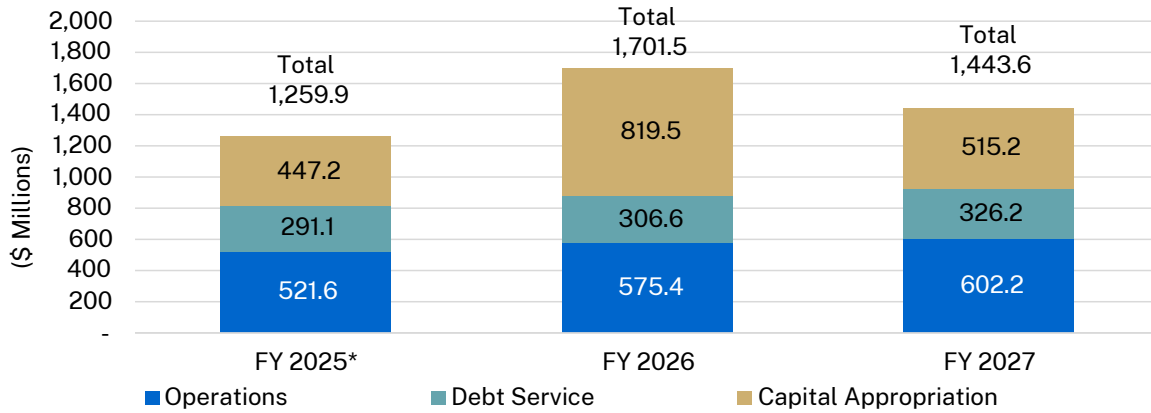
The development of this biennial budget and the 10-year CIP was guided by our Strategic Plan. Our main budget priorities are to continue investments in and maintenance of aging infrastructure and provide for long-term financial stability. The budget was developed after determining the highest-priority projects based on these priorities and Board direction.

The following chart and table show the budget appropriations for FY 2026 and FY 2027 for the Water System and Wastewater System operations, debt service, and capital appropriation compared to FY 2025.

- The operations budget reflects the day-to-day costs to provide water and wastewater services, including most of the District's labor costs and other necessary expenses, such as energy, chemicals, and software.
- The debt service budget includes the interest and principal on bonds and notes issued to pay for capital investments in infrastructure along with other related costs.
- The capital appropriation budget includes funding for planned capital projects such as replacing pipes, upgrading water treatment plants for the next century of service, and rehabilitating our wastewater treatment plant and major interceptors. Note that appropriations reflect the authority to spend funds. For the capital budget, those funds may be spent over the life of the project. This is why the appropriations may vary year-over-year, despite relatively steady growth in planned capital expenses.

**East Bay Municipal Utility District**  
*General Manager's Message*

***FY 2026 & FY 2027 Appropriations Summary and Comparison to FY 2025***



\*As approved on June 11, 2024.

***FY 2026 & FY 2027 Appropriations Summary and Comparison to FY 2025***

| Appropriations Summary (\$ Millions) |                    |                |              |                |               |
|--------------------------------------|--------------------|----------------|--------------|----------------|---------------|
|                                      | FY 2025<br>Budget* | FY 2026        |              | FY 2027        |               |
|                                      |                    | Budget         | % Change     | Budget         | % Change      |
| <b>Water System</b>                  |                    |                |              |                |               |
| Operations                           | 413.2              | 456.4          | 10.5%        | 478.5          | 4.8%          |
| Debt Service                         | 256.3              | 269.7          | 5.2%         | 289.4          | 7.3%          |
| Capital Appropriation                | 359.9              | 729.2          | 102.6%       | 394.4          | -45.9%        |
| <b>Wastewater System</b>             |                    |                |              |                |               |
| Operations                           | 108.5              | 118.9          | 9.7%         | 123.7          | 4.0%          |
| Debt Service                         | 34.8               | 36.9           | 6.2%         | 36.8           | -0.4%         |
| Capital Appropriation                | 87.2               | 90.3           | 3.5%         | 120.8          | 33.7%         |
| <b>District-Wide</b>                 |                    |                |              |                |               |
| Operations (Baseline)                | 521.6              | 575.4          | 10.3%        | 602.2          | 4.7%          |
| Debt Service                         | 291.1              | 306.6          | 5.3%         | 326.2          | 6.4%          |
| Capital Appropriation                | 447.2              | 819.5          | 83.3%        | 515.2          | -37.1%        |
| <b>Total District-Wide</b>           | <b>1,259.9</b>     | <b>1,701.5</b> | <b>35.0%</b> | <b>1,443.6</b> | <b>-15.2%</b> |

\*As approved on June 11, 2024.

## Water System

### FY 2026

In FY 2026, the baseline operations budget, excluding drought operations, is increasing \$43.3 million, or 10.5 percent compared to FY 2025. This significant increase is driven primarily by:

- Increased wages and benefits, driven by existing Board-approved labor agreements, as well as increased health insurance costs, driven primarily by increases in premiums for Kaiser Health Insurance, which a majority of employees choose for their health plan. Additionally, new positions are being added to meet critical needs.
- Increasing costs for District facility security contracts and computer software and technology, and increased liability insurance premiums and liability claims. Additionally, water conservation expenses are moving to the operating budget from the capital budget. Other operating expenses continue to grow at about the same rate as inflation.



**East Bay Municipal Utility District**  
*General Manager's Message*

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Offsetting those increases are that a larger CIP drives higher capital support services as there are increased needs for managing the larger CIP. Capital support transfers costs to the capital budget for the portion of operations that is supporting the District's extensive capital program.

Debt service in FY 2026 is increasing by \$13.4 million, or 5.2 percent, primarily due to the planned issuance of additional debt to fund capital reinvestment.

Capital appropriations in FY 2026 are increasing by \$369.2 million, or 102.6 percent, driven by significant growth in the District's CIP. Appropriations fund work over many years and do not reflect actual expected expenses. Major projects in the capital program include Pipeline Rebuild, major improvements to water treatment plants, and continued reinvestment in other aging infrastructure, such as reservoirs and pumping plants.

#### **FY 2027**

In FY 2027, the operations budget is increasing by \$22.1 million, or 4.8 percent. Labor expenses are expected to increase due to scheduled step increases, expectations for cost-of-living related wage increases, and a rise in retirement and health care costs. Other operating expenses are projected to grow as well, though not significantly faster than inflation estimates.

Debt service in FY 2027 will increase by \$19.7 million, or 7.3 percent, due to the planned issuance of additional debt to fund capital reinvestment. Capital appropriations are expected to decrease by \$334.7 million, or 45.9 percent, as existing appropriations will be sufficient to fund projects expected to be in progress during the year.

#### **Wastewater System**

##### **FY 2026**

In FY 2026, the operations budget is increasing \$10.5 million, or 9.7 percent compared to FY 2025. This significant increase is driven primarily by:

- Increased wages and benefits, driven by existing Board-approved labor agreements, as well as increased health insurance costs, driven primarily by increases in premiums for Kaiser Health Insurance, which a majority of employees choose for their health plan. Additionally, new positions are being added to meet critical needs.
- Significant increase in contingency funding for the Wastewater System, driven by a shift in the way the District will pay for liability insurance, self-insured claims, and workers' compensation insurance, as well as reserving funds for potential cost overruns in energy and chemicals.
- Expenses shifting from the capital budget to the operating budget, as part of refocusing on the capital program and ensuring capital resources are devoted to long-term investments.
- Other operating expense increases for important expenses such as small tools and equipment, computer software, laboratory supplies, and the materials needed for capital maintenance.

Debt service in FY 2026 is increasing by \$2.1 million, or 6.2 percent, primarily due to the planned issuance of additional debt to fund capital reinvestment. Favorably, all of the Wastewater System's outstanding debt is fixed rate and the system has no exposure to variable interest costs, except for at the time of issuance of new bonds.

Capital appropriations in FY 2026 are increasing slightly by \$3.1 million, or 3.5 percent, while there is significant expected growth in the system's planned capital expenses. Appropriations fund work over many years and do not reflect actual expected expenses. Wastewater capital projects already have sufficient appropriations to meet expected FY 2026 expenses. Major projects in the capital program include rehabilitation of interceptor segments, modernization of existing buildings and critical facilities at the Main Wastewater Treatment Plant (MWWTP), and other work to address aging infrastructure.

## FY 2027

In FY 2027, the operations budget is increasing by \$4.7 million, or 4.0 percent. Labor expenses are expected to increase due to scheduled step increases, inflation-linked cost-of-living increases, and a rise in retirement and health care costs. Chemical and energy expenses are expected to continue to increase, along with fees and licenses, and liability insurance and related costs.

Debt service in FY 2027 will decrease by about \$0.1 million or 0.4 percent as there is a small decrease in that year's principal and interest payments. Capital appropriations are expected to increase by \$30.5 million, or 33.7 percent.

## 10-YEAR CAPITAL IMPROVEMENT PROGRAM

This CIP reflects our ongoing commitment to rehabilitate and replace aging infrastructure. The following focuses on planned spending on capital projects which is a significant component in calculating rates.

### Water System Top Projects

During FY 2026 - FY 2035, planned Water System capital spending totals \$5.6 billion, including capital support.

The table below shows major Water System capital focus areas and the projected 10-year spending as we continue to invest in infrastructure and maintain a high level of system reliability and water quality. Among these major projects are:

- Replacement of more than 290 miles of distribution pipeline over the next 10 years;
- Investments in water treatment remains a focal point of the CIP, which includes comprehensive operational and water quality improvements at Orinda, Upper San Leandro, and Walnut Creek treatment plants, and disinfection modernization at Lafayette Treatment Plant;
- Replacement of distribution reservoirs is driven by the \$200 million Central Reservoir Replacement;
- Replacement of pumping plants will occur regularly at approximately two per year; and
- Other projects include system-wide technology modernization, improvements to the administrative building and maintenance center, and innovations to support efficient water connections for new homes and businesses.

#### *Water System Major Capital Focus Areas*

| Expected Capital Expenses (\$ Millions) |                   |
|---|-------------------|
| Award Purpose                           | 10-Year Cash Flow |
| Pipelines - Distribution System         | 1,689.7           |
| Water Treatment                         | 713.0             |
| Reservoirs - Distribution               | 366.1             |
| New Business Infrastructure             | 321.8             |
| Raw Water System                        | 335.9             |
| Pumping Plants                          | 232.1             |
| Process & System-Wide Improvements      | 228.5             |
| Excludes Capital Support                |                   |

East Bay Municipal Utility District  
General Manager's Message

### Wastewater System Top Projects

During FY 2026 - FY 2035, the planned Wastewater System capital spending totals \$1.2 billion, including capital support.

The table below shows the major Wastewater System capital projects and the projected 10-year spending. Major investments will occur throughout the infrastructure that comprises the Wastewater System. Among those major projects are:

- Rehabilitation of five interceptor segments;
- Modernization of the Influent Pump Station, Oxygen Production Plant, and Secondary Reactors and Clarifiers;
- Embarking on a significant nutrient removal project, and engage with new regulatory requirements being simultaneously developed; and
- Other initiatives include the inception of a new Dewatering Building and the seismic retrofit of two buildings on the MWWTP property.

#### Wastewater System Major Capital Focus Areas

| Expected Capital Expenses (\$ Millions) |                   |
|---|-------------------|
| Award Purpose                           | 10-Year Cash Flow |
| Main Wastewater Treatment Plant         | 881.4             |
| Remote Facilities                       | 192.1             |
| System-Wide Improvements                | 91.4              |
| Excludes Capital Support                |                   |

## USING THE BUDGET DOCUMENT

The biennial budget document is comprised of two volumes. This volume contains all of the key budget information for both the Water and Wastewater Systems, including a District overview, detailed operating and capital budgets, and five-year financial forecasts. The attachment provides bill impacts for a wide range of use levels. The supplemental volume provides summaries of the projects in the CIP.

Since 1996, the District's budget documents have consistently received the Government Finance Officers Association's (GFOA) coveted Distinguished Budget Presentation Award. In addition, for the seventh time, the California Society of Municipal Finance Officers has conferred its Operating Budget Excellence Award for the District's biennial budget documents.

#### Budget Awards from GFOA and CSMFO



## Conclusion

For over a century, EBMUD has demonstrated the reliability of our water and wastewater services and our commitment to the communities we serve. With the support of our employees and community, we have consistently ensured high-quality, reliable water and protected the environment, despite many challenges. As we look ahead, we remain dedicated to investing in our infrastructure, adapting to the impacts of climate change, and ensuring we maintain strong finances and improve our financial resiliency. EBMUD's commitment remains steadfast to the East Bay community and all of the communities we touch.

The FY 2026 and FY 2027 biennial budget funds critical infrastructure work and sets us on the right course for the next several decades. With the ongoing support of the Board, staff, and the community, I am confident that we will meet our challenges and ensure our finances and operations remain sustainable and resilient.

This budget serves as a policy document and a financial plan for the next two fiscal years. I want to thank the staff whose collaborative efforts resulted in a budget that is based on fair and reasonable rates as we continue to provide and invest in reliable, high-quality water and wastewater services. The names of critical staff involved in producing the proposed budget are listed below my signature in recognition of their diligent work.

Respectfully submitted,



Clifford C. Chan  
General Manager

CCC:SDS  
Attachment

### Office of Budget & Performance

Samuel Feldman, Manager of Budget  
Bernadette de Leon, Principal Management Analyst (Staffing and Operating)  
Nathan Hood, Principal Management Analyst (Capital)  
Stacey Johnson, Management Analyst II  
Jenny Tam, Management Analyst II  
Theresa Won, Management Analyst II

### Finance Department

Sophia Skoda, Director of Finance  
Robert Hannay, Treasury Manager  
Phoebe Grow, Principal Management Analyst (Rates and Charges)

Adopted Budget Book covers and style designed by Michael Bergstrom, Senior Graphic Designer

## ATTACHMENT TO THE GENERAL MANAGER'S MESSAGE

### Rate Impacts by Use Level and Customer Class

This attachment shows the bill impacts of the FY 2026 and FY 2027 water and wastewater rates and charges for a range of customer classes and use levels. Water use is measured and billed in Units where 1 Unit equals 748 gallons. Please visit [ebmud.com/rates](http://ebmud.com/rates) to view the Cost of Service Studies for each system and more details on rate-setting.

#### WATER CHARGES: MONTHLY BILL IMPACTS

The following table shows the monthly bill impact of the proposed average rate increases on a cross-section of single-family residential (SFR) customers, ranging from 3 Units (25<sup>th</sup> percentile) to 19 Units (95<sup>th</sup> percentile), and for the typical (or median) customer using 5 Units and the mean customer using 7 Units. SFR customers receive bills covering a two-month period, however the below shows the monthly bill.

#### *Proposed Example Single-Family Residential Monthly Bill Impacts*

| Example Single-Family Residential Monthly Bill Impacts |      |                 |                 |           |          |                 |           |          |
|--|------|-----------------|-----------------|-----------|----------|-----------------|-----------|----------|
|  | Use* | FY 2025<br>Bill | FY 2026<br>Bill | \$ Change | % Change | FY 2027<br>Bill | \$ Change | % Change |
| 25 <sup>th</sup> Percentile                            | 3    | \$ 51.71        | \$ 50.52        | \$ (1.19) | -2.3%    | \$ 53.80        | \$ 3.28   | 6.5%     |
| Typical Customer**<br>(50 <sup>th</sup> Percentile)    | 5    | \$ 62.53        | \$ 66.30        | \$ 3.77   | 6.0%     | \$ 70.60        | \$ 4.30   | 6.5%     |
| 75 <sup>th</sup> Percentile                            | 9    | \$ 88.23        | \$ 100.38       | \$ 12.15  | 13.8%    | \$ 106.88       | \$ 6.50   | 6.5%     |
| 95 <sup>th</sup> Percentile                            | 19   | \$ 169.80       | \$ 196.80       | \$ 27.00  | 15.9%    | \$ 209.53       | \$ 12.73  | 6.5%     |
| Mean Single Family Residential Use***                  | 7    | \$ 73.35        | \$ 82.08        | \$ 8.73   | 11.9%    | \$ 87.40        | \$ 5.32   | 6.5%     |

\*Use presented in Units per month. One Unit is about 748 gallons.

\*\*Typical customer is the median – half of Single-Family Residential customers pay less, and half pay more.

\*\*\*7 Units/month represents recent mean single-family residential use.

The following table shows the monthly bill impact of the proposed average rate increases for two multi-family residential (MFR) buildings: one with 4 dwellings using 25 Units per month, and one with 5 or more dwellings using 50 Units per month. Impacts are also shown for a sample commercial customer using 50 Units per month and an industrial customer using 500 Units per month.

#### *Proposed Example Multi-Family Residential (MFR) and Non-Residential Monthly Bill Impacts*

| Example Multi-Family Residential (MFR) and Non-Residential Monthly Bill Impacts |            |      |              |             |           |          |             |           |          |
|---|------------|------|--------------|-------------|-----------|----------|-------------|-----------|----------|
|   | Meter Size | Use* | FY 2025 Bill | FY 2026     |           |          | FY 2027     |           |          |
|   |            |      |              | Bill        | \$ Change | % Change | Bill        | \$ Change | % Change |
| MFR 4 dwellings   | 1"         | 20   | \$ 206.60    | \$ 207.14   | \$ 0.54   | 0.3%     | \$ 220.60   | \$ 13.46  | 6.5%     |
| MFR 5+ dwellings  | 1"         | 35   | \$ 321.35    | \$ 331.79   | \$ 10.44  | 3.2%     | \$ 353.35   | \$ 21.56  | 6.5%     |
| Commercial  | 1"         | 50   | \$ 434.60    | \$ 466.94   | \$ 32.34  | 7.4%     | \$ 497.10   | \$ 30.16  | 6.5%     |
| Industrial  | 2"         | 500  | \$ 3,963.23  | \$ 4,378.37 | \$ 415.14 | 10.5%    | \$ 4,661.06 | \$ 282.69 | 6.5%     |

\*Use presented in Units per month. One Unit is about 748 gallons.

**East Bay Municipal Utility District**  
*General Manager's Message*

**WASTEWATER TREATMENT CHARGES: MONTHLY BILL IMPACTS**

Wastewater customer charges appear in two separate places, on the water bill, and on the property tax bill. The tables below address each of these bills.

Wastewater charges are based on the volume of water used but are capped at a maximum of 9 Units per month per single-family residential customer as only indoor water use is discharged into the sewer system. The following table shows bill impacts for both the typical single-family residential customer using 4 Units per month and a customer discharging the maximum of 9 Units. The typical customer is based on median usage – that is, half of customers use less than 4 units per month of water, and half use more. In addition, impacts are shown for two multi-family residential customers: one with 4 dwellings using 25 Units per month, and one with 5+ dwellings using 50 Units per month. Impacts are also shown for a sample commercial customer using 50 Units per month (using the “All Other Business Classifications” strength and flow charges) and an industrial customer using 500 Units per month (using the BCC 2080 “Beverage Manufacturing & Bottling”).

*Proposed Example Wastewater Treatment Charges per Month*

| Example Wastewater Monthly Bill Impacts |      |                 |                 |           |          |                 |           |          |
|---|------|-----------------|-----------------|-----------|----------|-----------------|-----------|----------|
|   | Use* | FY 2025<br>Bill | FY 2026<br>Bill | \$ Change | % Change | FY 2027<br>Bill | \$ Change | % Change |
| Typical Single-Family Residential**     | 4    | \$ 25.88        | \$ 28.05        | \$ 2.17   | 8.4%     | \$ 30.40        | \$ 2.35   | 8.4%     |
| Maximum Single-Family Residential       | 9    | \$ 34.28        | \$ 37.15        | \$ 2.87   | 8.4%     | \$ 40.25        | \$ 3.10   | 8.3%     |
| MFR 4 dwellings                         | 20   | \$ 82.37        | \$ 89.24        | \$ 6.87   | 8.3%     | \$ 96.66        | \$ 7.42   | 8.3%     |
| MFR 5+ dwellings                        | 35   | \$ 141.54       | \$ 153.53       | \$ 11.99  | 8.5%     | \$ 166.64       | \$ 13.11  | 8.5%     |
| Commercial                              | 50   | \$ 202.27       | \$ 219.06       | \$ 16.79  | 8.3%     | \$ 237.42       | \$ 18.36  | 8.4%     |
| Industrial                              | 500  | \$ 2,784.77     | \$ 3,020.56     | \$ 235.79 | 8.5%     | \$ 3,276.42     | \$ 255.86 | 8.5%     |

\*Use presented in Units per month. One Unit is about 748 gallons.

\*\*Typical customer is the median for Wastewater – half of Single-Family Residential customers pay less, and half pay more.

**WASTEWATER WET WEATHER FACILITIES CHARGE: ANNUAL PROPERTY TAX BILL IMPACTS**

The following table shows the annual Wet Weather Facilities Charges. These charges fund the capital facilities designed to meet peak wet weather flows that are in excess of normal wastewater discharge. These are collected on the property tax bill on each property that is connected to the wastewater system to pay for the capital facilities required to handle the wet weather flows that enter the District's wastewater system through the local collection systems and sewer connections.

*Proposed Annual Wet Weather Facilities Charge on Property Tax Bill*

| Example Wet Weather Facilities Charge on Annual Property Tax Bill |                   |                   |           |          |                   |           |          |
|---|-------------------|-------------------|-----------|----------|-------------------|-----------|----------|
|   | FY 2025<br>Charge | FY 2026<br>Charge | \$ Change | % Change | FY 2027<br>Charge | \$ Change | % Change |
| Small Lot<br>5,000 sq. ft. or less                                | \$ 147.38         | \$ 159.90         | \$ 12.52  | 8.5%     | \$ 173.48         | \$ 13.58  | 8.5%     |
| Medium Lot<br>5,001 - 10,000 sq.ft.                               | \$ 230.16         | \$ 249.72         | \$ 19.56  | 8.5%     | \$ 270.94         | \$ 21.22  | 8.5%     |
| Large Lot<br>10,000 sq. ft. or larger                             | \$ 526.00         | \$ 570.70         | \$ 44.70  | 8.5%     | \$ 619.20         | \$ 48.50  | 8.5%     |

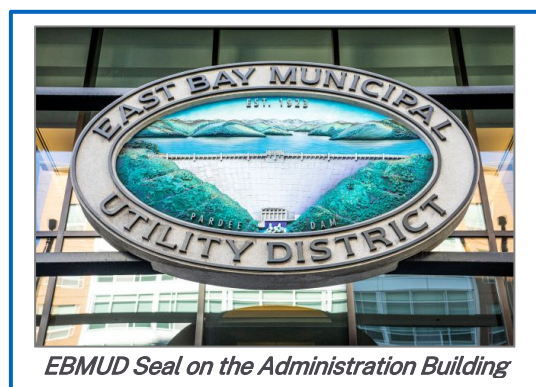


## Chapter 1: Introduction

### District Overview

#### ABOUT THE DISTRICT

In 1923, the East Bay Municipal Utility District (EBMUD or the District) was created by voters to supply water to parts of Alameda and Contra Costa counties in California. In 1929, upon completion of Pardee Dam, the tallest concrete arch dam in the world at the time, the first water deliveries were made from the Sierra Mountains to the East Bay to serve a population of 460,000.



Originally providing water service to nine cities, EBMUD now provides service to a population of 1.4 million in 20 incorporated and 15 unincorporated communities. Covering 332-square mile area, our service area extends from Crockett in the north to San Lorenzo in the south, and eastward from the San Francisco Bay to Walnut Creek and the San Ramon Valley.

Ninety percent of the water supply comes from rain and snowmelt within the protected watershed of the Mokelumne River, which is captured in Pardee and Camanche Reservoirs located on the western slope of the Sierra Nevada. The water is transported more than 90 miles west via three aqueducts to East Bay water treatment plants or terminal reservoirs, and from there to 175 local reservoirs and 4,200 miles of distribution pipeline. In 2002, to protect customers from the effects of a severe drought, the District created the Freeport Regional Water Project to convey up to 100 million gallons per day of supplemental Sacramento River water.

In 1944, voters in six of the East Bay cities served by the District elected to have EBMUD treat factory waste and raw sewage that was being released into the San Francisco Bay. In 1951, wastewater treatment began at a plant constructed in Oakland near the San Francisco-Oakland Bay Bridge. Wastewater service is now provided to a population of 740,000 in an 88-square mile area along the east shore of the bay extending from Richmond in the north to Oakland in the south. In addition to treating wastewater, laboratory services operate 365 days a year to continually monitor the quality of our drinking water and the treated water from the wastewater plant that is discharged to the San Francisco Bay.

The District has a seven-member Board of Directors elected from wards within the service area. The Water and Wastewater Systems are legally distinct entities governed by the same Board that is committed to governing through a public process, guided by the District's Mission Statement.

The mission of the District is:

*"To manage the natural resources with which the District is entrusted; to provide reliable, high-quality water and wastewater services at fair and reasonable rates for the people of the East Bay; and to preserve and protect the environment for future generations."*

Board policies are implemented under the direction of the General Manager who, along with the General Counsel, is appointed by the Board. The Senior Management Team, comprised of department managers and directors, is responsible for managing operations. The District employs more than 2,000 people in service to its mission.

## KEY MILESTONES

|      |  |
|------|--|
| 1875 | East Bay population of 15,000 served by several private water companies, but there is a lack of water storage. San Leandro Reservoir completed, later renamed Chabot Reservoir after Anthony Chabot. |
| 1910 | Population swells to 150,000 after exodus from San Francisco due to the 1906 earthquake.   |
| 1919 | San Pablo Reservoir completed by the East Bay Water Company.   |
| 1923 | EBMUD is organized and then acquires water rights to the Mokelumne River.  |
| 1926 | Upper San Leandro Reservoir completed by the East Bay Water Company.   |
| 1928 | Lafayette Reservoir completed by EBMUD.<br>EBMUD purchases the East Bay Water Company.   |
| 1929 | Pardee Dam, tallest dam of its kind in the world at the time, and the Mokelumne aqueduct completed.  |
| 1930 | Population of 460,000 served at 35 million gallons per day (MGD).  |
| 1949 | Second Mokelumne Aqueduct completed.   |
| 1951 | Wastewater treatment system placed in operation to protect San Francisco Bay.  |
| 1963 | Third Mokelumne Aqueduct completed.  |
| 1964 | Camanche and Briones reservoir dams completed.   |
| 1970 | Population of 1.1 million served at 220 MGD.   |
| 1974 | EBMUD customers vote to add fluoride to water.   |
| 1985 | Wastewater plant begins producing renewable energy.  |
| 1990 | Population of 1.2 million served at 192 MGD.   |
| 1995 | North Richmond Water Reclamation Plant begins producing recycled water.  |
| 1999 | Wet Weather facilities completed to minimize storm induced sewer overflows to the bay.   |
| 2000 | Population of 1.3 million served at 216 MGD.   |
| 2002 | Freeport Regional Water Authority established to allow access to new water supplies.   |
| 2010 | Population of 1.3 million served at 174 MGD following the 2007-2010 drought.   |
| 2011 | National “Get the Lead Out” law passed to limit lead in drinking-water plumbing based on EBMUD-sponsored California law.   |
| 2015 | Population of 1.4 million served at 149 MGD.   |
| 2018 | The Mokelumne River designated as California’s 12th Wild and Scenic River.   |
| 2023 | EBMUD Centennial   |

For a complete history of the East Bay Municipal Utility District, please visit the history page at [www.ebmud.com/about-us/who-we-are/mission-and-history/](http://www.ebmud.com/about-us/who-we-are/mission-and-history/).



## Community

### SERVICE AREA

Since 1929, when the District first delivered water from the Sierra Nevada to the East Bay, the population served has grown by almost a million people. Today the District's service area includes many of the Bay Area's largest employers. The District's vitality is inseparable from the \$779 billion Bay Area regional economy, based on 2023 gross domestic product (GDP), which is essential to the economic health of California and the nation.

The District's water service area covers 332 square miles and includes 20 cities and 15 unincorporated communities located in Alameda and Contra Costa counties on the east side of the San Francisco Bay (the "East Bay"). The wastewater service area covers an 88 square mile area along the east shore of the bay extending from Richmond in the north to Oakland in the south. The map below shows the District's water and wastewater service areas.

*District Service Area Map*



## POPULATION

Approximately 1.4 million people are served by the Water System, 740,000 of whom are also served by the Wastewater System. Oakland, the largest city in Alameda County, is the eighth largest in the state. The following table includes population data for the largest cities in the service area.

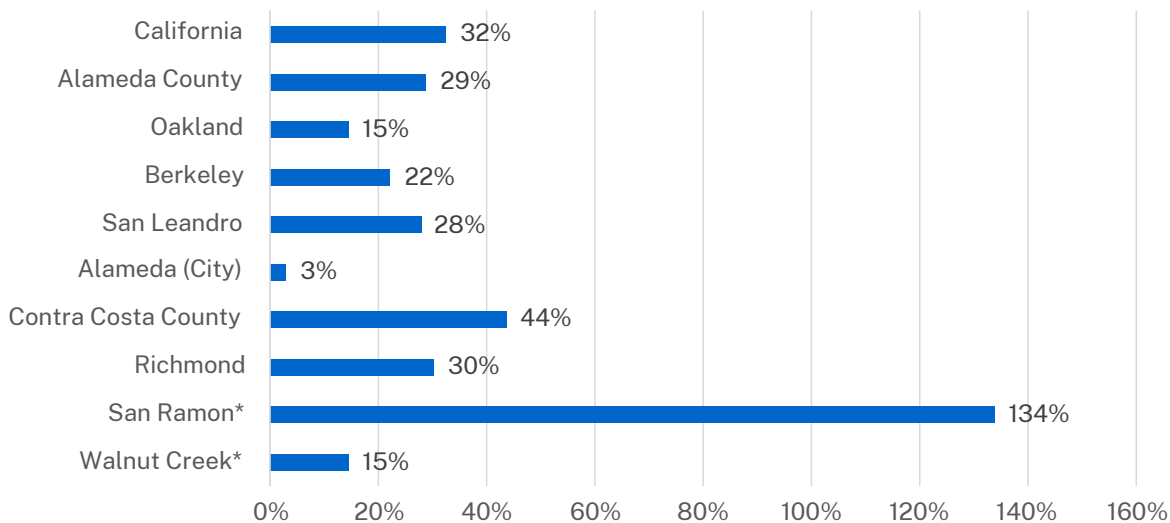
*Population Statistics for Counties and Major Cities in the District's Service Area*

| Population Trends for Counties & Seven Largest Cities |            |            |            |            |            |
|---|------------|------------|------------|------------|------------|
|   | 1990       | 2000       | 2010       | 2020       | 2024       |
| <b>California</b>                                     | 29,558,000 | 33,872,000 | 37,223,900 | 39,782,870 | 39,128,162 |
| <b>Alameda County</b>                                 | 1,274,700  | 1,443,700  | 1,509,240  | 1,670,834  | 1,641,869  |
| Oakland   | 371,100    | 399,500    | 390,757    | 433,697    | 425,093    |
| Berkeley  | 102,700    | 102,700    | 112,621    | 122,580    | 125,327    |
| San Leandro   | 68,100     | 79,500     | 84,977     | 87,930     | 87,098     |
| Alameda (City)  | 75,900     | 72,300     | 73,835     | 81,312     | 78,071     |
| <b>Contra Costa County</b>                            | 797,600    | 948,800    | 1,047,948  | 1,153,561  | 1,146,626  |
| Richmond  | 86,600     | 99,200     | 103,661    | 111,217    | 112,735    |
| San Ramon*  | 35,300     | 44,800     | 72,148     | 83,118     | 82,525     |
| Walnut Creek*   | 60,600     | 64,300     | 64,140     | 70,860     | 69,433     |

Source: California Department of Finance, Population Estimates for California Cities.

\*EBMUD does not serve all of San Ramon or Walnut Creek, but total population is shown for each.

*Population Growth Trends from 1990 to 2022*



Source: California Department of Finance, Population Estimates for California Cities.

\*EBMUD does not serve all of San Ramon or Walnut Creek, but total population is shown for each.

## Water and Wastewater Systems

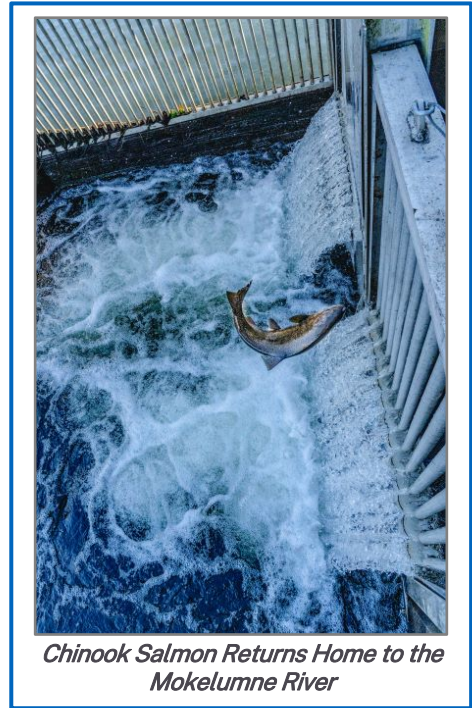
### WATER SUPPLY

Ensuring a high-quality water supply for today and the future is one of the District's highest priorities. Significant capital investments have been made to ensure a reliable water supply, such as securing supplemental water sources and expanding recycled water programs.

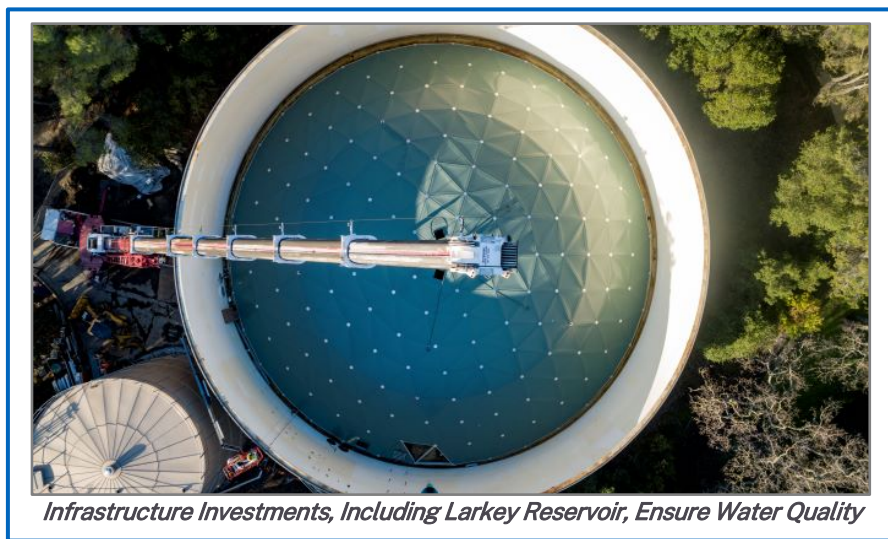
One of the most important factors in water quality is the source. Ninety percent of the District's water comes from the 578-square mile watershed of the Mokelumne River located on the western slope of the Sierra Nevada. This area is mostly national forest, District-owned lands, and other undeveloped lands minimally affected by human activity. The watershed collects snowmelt, a high-quality water source, which flows into Pardee Reservoir near the town of Valley Springs.

Three large aqueducts carry this water more than 90 miles from Pardee Reservoir to the East Bay and protect it from pesticides, agricultural and urban runoff, and industrial discharges. When water demand is high or during times of operational need, the District also draws water from protected local watersheds.

Before water reaches homes and businesses, the District takes many steps to ensure its quality. This includes carefully managing watershed lands and storage reservoirs; treating the water; maintaining water quality through a complex system of distribution pipes, pumping plants, and neighborhood reservoirs; testing water samples in the laboratory and in the field; and addressing customer concerns. These efforts ensure that all customers receive high-quality drinking water that meets or surpasses all state and federal requirements.



*Chinook Salmon Returns Home to the Mokelumne River*



*Infrastructure Investments, Including Larkey Reservoir, Ensure Water Quality*



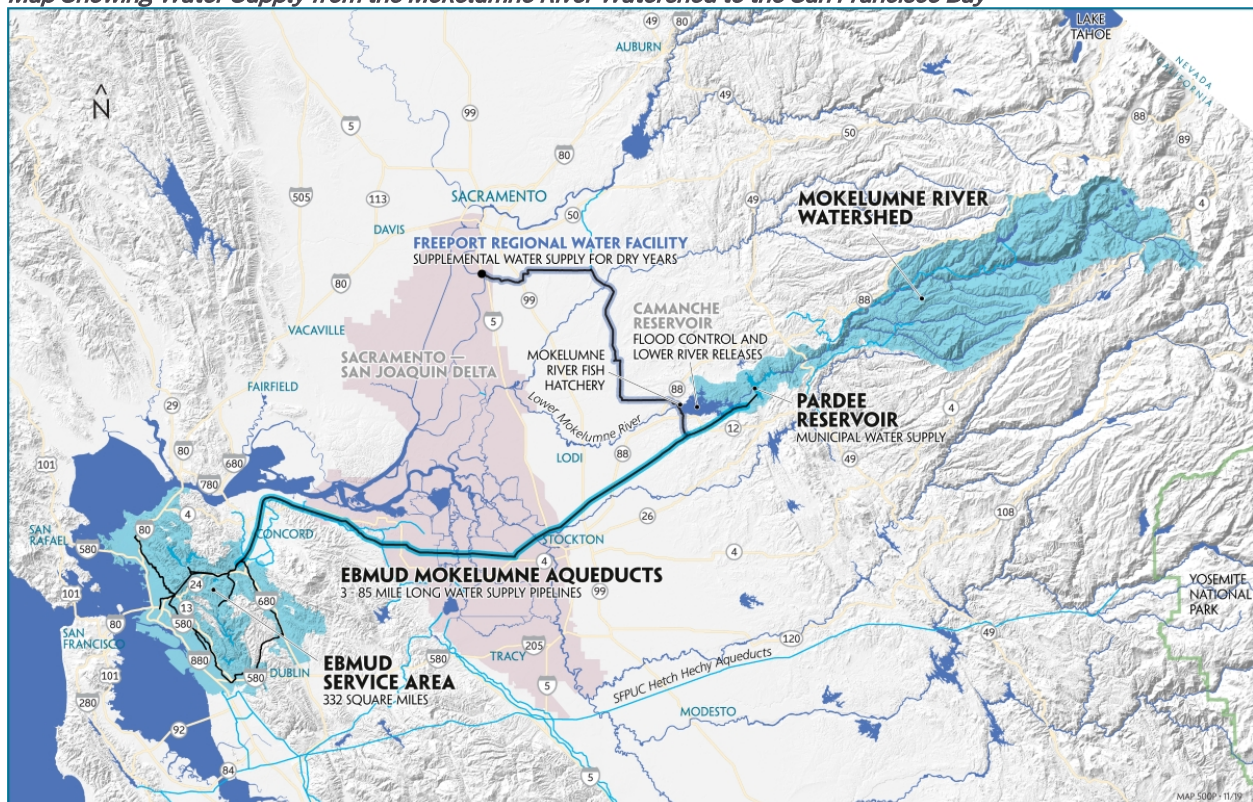
Every five years, the District updates its Urban Water Management Plan to ensure a reliable water supply for the next generation. Plan elements include making the best use of limited supplies through water conservation and recycling and developing long-term projects to augment the water supply, including water transfers from other water rights owners and regional projects with other agencies. The Plan was adopted by the Board on June 22, 2021. For more information, visit <https://www.ebmud.com/water/about-your-water/water-supply/urban-water-management-plan>.



*Freeport Water Project – Sacramento, CA*

The map below shows how the water travels from the Mokelumne River Watershed into Pardee Reservoir, across the Central Valley in the Mokelumne Aqueducts, and to the District's service area.

*Map Showing Water Supply from the Mokelumne River Watershed to the San Francisco Bay*



## WASTEWATER TREATMENT

The District's wastewater treatment plant provides service for 740,000 people along the eastern shore of the San Francisco Bay, and treated approximately 54 million gallons of municipal wastewater per day in Fiscal Year 2024. Wastewater is collected from homes and businesses through privately owned sewer laterals that feed into a network of city and other regional sewers, which eventually join the District's sewer interceptors and pump stations. These facilities carry the wastewater to the treatment plant located in Oakland. Stormwater is collected through separate community-owned systems. The plant treats sewage to meet stringent state and federal standards before recycling it or releasing cleaned water to the Bay. Prior to its construction, raw sewage was discharged directly into the Bay. As a partner in the stewardship of the Bay, the District works with residents and businesses to help them keep contaminants out of the sewer system.

The District has been recycling water and producing renewable energy at its wastewater plant since the mid-1980s. The District's plant transforms sewage and other organic wastes into green energy, nutrient-rich soil conditioner, and recycled water. The District produces sufficient renewable energy to meet its onsite power demands. Any excess energy is currently sold to the neighboring Port of Oakland.



*Wastewater Treatment Plant – Oakland, CA*



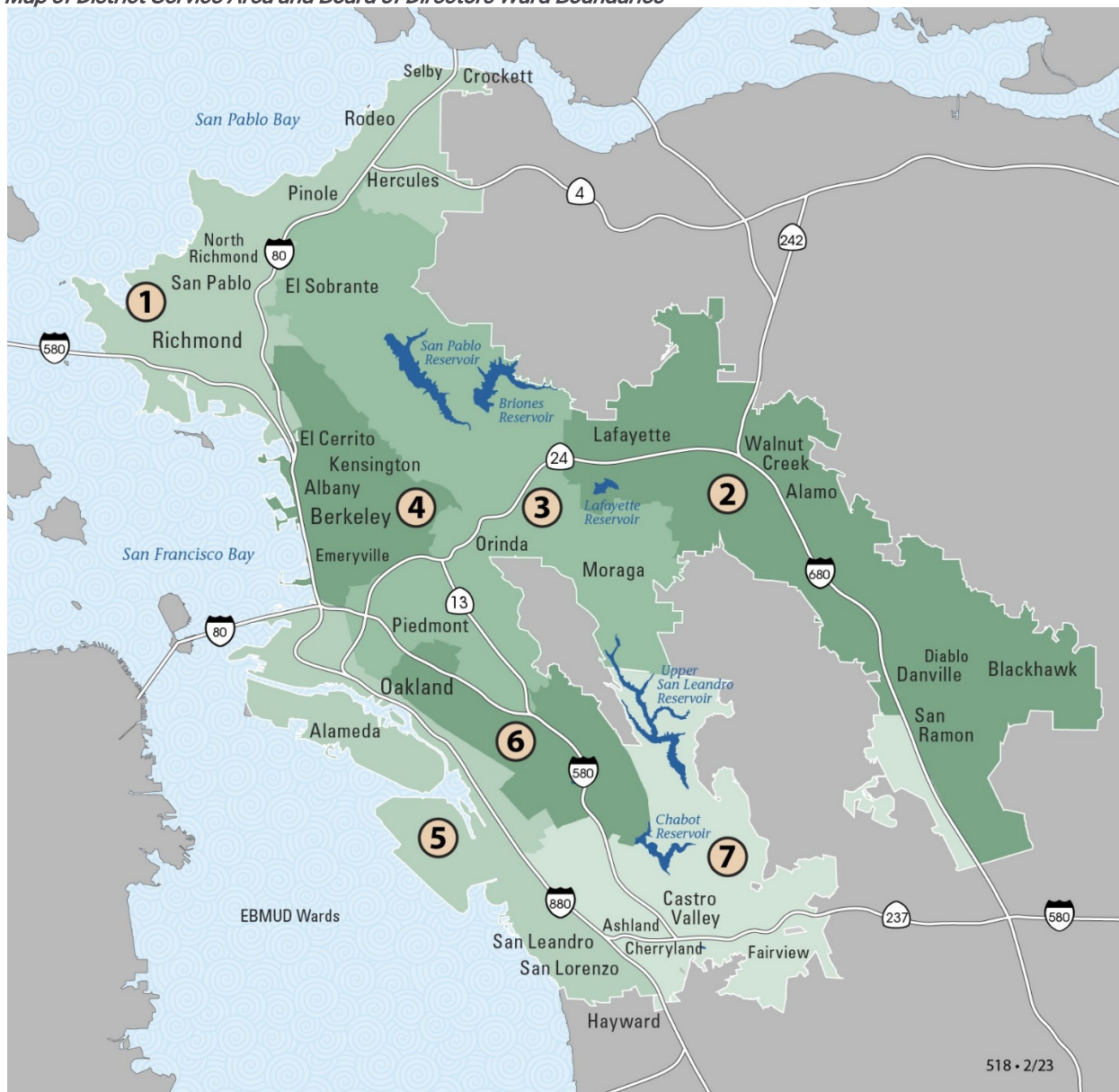
## District Organization

### BOARD OF DIRECTORS

The District has a seven-member elected Board of Directors who determines overall policies, which are then implemented under the direction of the General Manager. The Board of Directors believes that the District has a public responsibility to preserve the region's resources and set industry standards for water and wastewater utilities.

Directors are publicly elected to four-year terms from seven wards within the service area. The following map shows the areas included in each ward.

*Map of District Service Area and Board of Directors Ward Boundaries*



The Board of Directors is shown below. Additional information can be found at: [www.ebmud.com/about-us/board-directors/your-board-members/](http://www.ebmud.com/about-us/board-directors/your-board-members/).

|  |                                    |                                |
|--|------------------------------------|--------------------------------|
| <b>Ward 1</b>  | <b>Joey D. Smith</b>               | <b>Term expires 12/31/2028</b> |
| CONTRA COSTA COUNTY: Cities of Crockett, Hercules, Rodeo, and San Pablo; portions of Richmond and Pinole; and communities of North Richmond and Selby.                     |                                    |                                |
| <b>Ward 2</b>  | <b>Luz Gómez</b>                   | <b>Term expires 12/31/2026</b> |
| CONTRA COSTA COUNTY: Cities of Alamo, Lafayette, Walnut Creek, Town of Danville; communities of Blackhawk and Diablo; and portions of San Ramon and Pleasant Hill.         |                                    |                                |
| <b>Ward 3</b>  | <b>Marguerite Young, President</b> | <b>Term expires 12/31/2026</b> |
| ALAMEDA COUNTY: City of Piedmont, and a portion of Oakland.<br>CONTRA COSTA COUNTY: Cities of Orinda and El Sobrante; Town of Moraga, and portions of Pinole and Richmond. |                                    |                                |
| <b>Ward 4</b>  | <b>Andy Katz</b>                   | <b>Term expires 12/31/2026</b> |
| ALAMEDA COUNTY: Cities of Albany, Berkeley, and Emeryville; and a portion of Oakland.<br>CONTRA COSTA COUNTY: Cities of El Cerrito and Kensington.                         |                                    |                                |
| <b>Ward 5</b>  | <b>Jim Oddie</b>                   | <b>Term expires 12/31/2028</b> |
| ALAMEDA COUNTY: Cities of Alameda and San Lorenzo; the West Oakland and Oakland Airport areas; and a portion of San Leandro.   |                                    |                                |
| <b>Ward 6</b>  | <b>Valerie D. Lewis</b>            | <b>Term expires 12/31/2028</b> |
| ALAMEDA COUNTY: Portions of Oakland, including East Oakland and south of Park Boulevard/5 <sup>th</sup> Avenue to the City of San Leandro boundary.                        |                                    |                                |
| <b>Ward 7</b>  | <b>April Chan, Vice President</b>  | <b>Term expires 12/31/2026</b> |
| ALAMEDA COUNTY: Castro Valley; portions of San Lorenzo, San Leandro, and Hayward; communities of Cherryland and Fairview.<br>CONTRA COSTA COUNTY: Portion of San Ramon.    |                                    |                                |

Board meetings are open to the public and are held twice monthly on the second and fourth Tuesday and at other times as needed. The Board is committed to governing through a public process, guided by the District's Mission Statement.

## SENIOR MANAGEMENT

The General Manager and General Counsel are appointed by and report directly to the Board of Directors.

|                   |                 |
|-------------------|-----------------|
| Clifford C. Chan  | General Manager |
| Derek T. McDonald | General Counsel |

The Senior Management Team members are listed below.

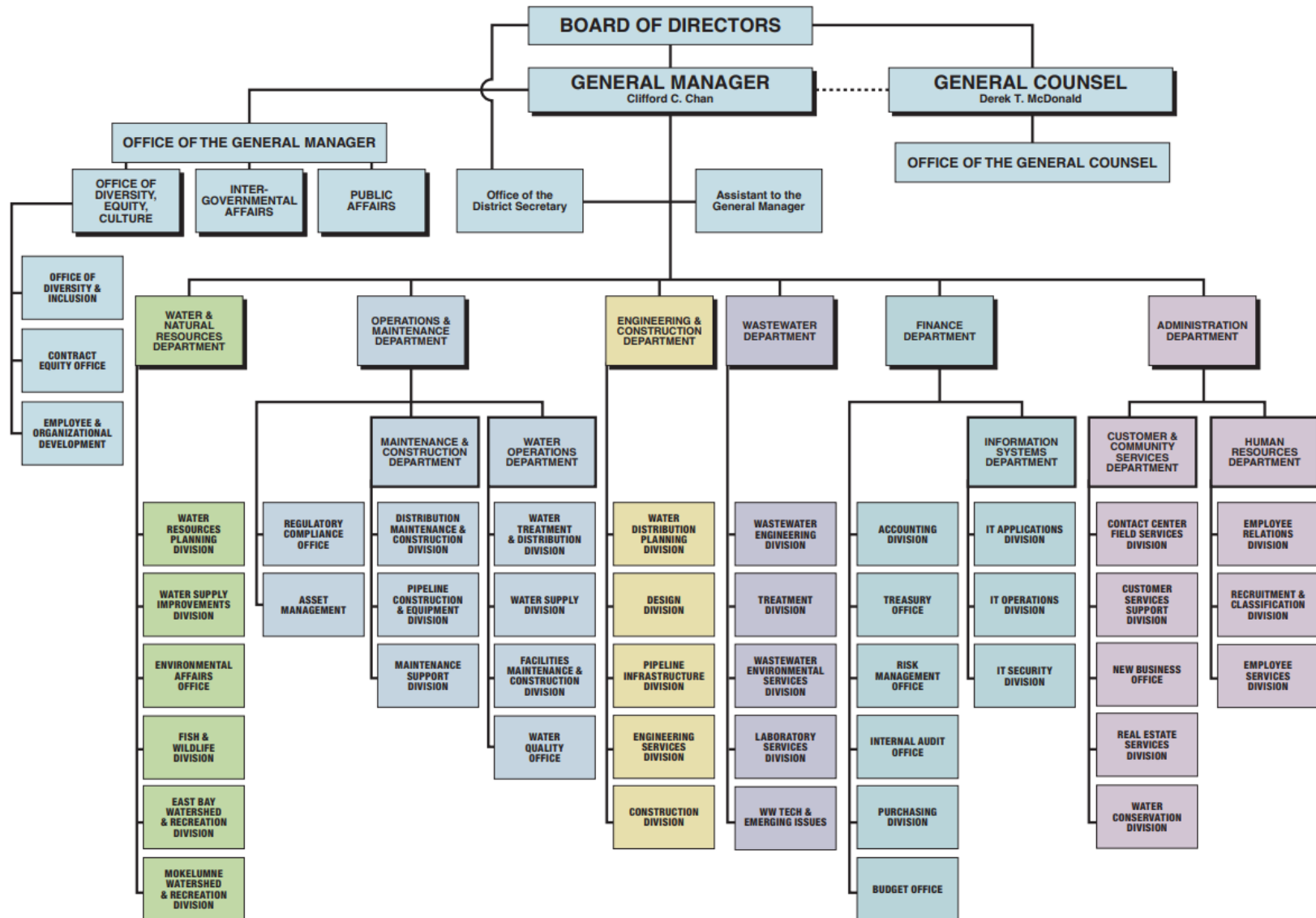
|                    |  |
|--------------------|--|
| David A. Briggs    | Director of Operations and Maintenance                       |
| Cindy R. Charan    | Director of Human Resources                                  |
| Rischa S. Cole     | Secretary of the District                                    |
| Roberto Cortez     | Manager of Water Operations                                  |
| Janetta M. Johnson | Assistant to the General Manager                             |
| Andrew Lee         | Director of Customer and Community Services                  |
| Orlando Leon       | Chief Information Officer                                    |
| Derry L. Moten     | Special Assistant to the GM – Diversity, Equity, and Culture |
| Amit Mutsuddy      | Director of Wastewater                                       |
| Sophia Skoda       | Director of Finance  |
| Serge Terentieff   | Director of Engineering and Construction                     |
| Michael Tognolini  | Director of Water and Natural Resources                      |
| Kathy Viatella     | Special Assistant to the GM – Legislative Affairs            |
| Crystal Yezman     | Manager of Maintenance and Construction                      |
| Kelly Zito         | Special Assistant to the GM – Communications                 |

The chart on the following page provides an overview of the organization and shows the different departments and divisions within the District. It can also be found at [www.ebmud.com/about-us/board-directors/management/](http://www.ebmud.com/about-us/board-directors/management/).





## ORGANIZATION CHART



## WORKFORCE

The District has more than 2,000 employees. Most are represented by the American Federation of State, County and Municipal Employees, Locals 444 and 2019; the International Federation of Professional and Technical Engineers, Local 21; and the International Union of Operating Engineers, Local 39. The majority of employees work in the East Bay, but some work in the Central Valley and Mokelumne watershed area.

EBMUD is an equal employment opportunity (EEO) employer, and a proud leader in taking proactive steps that support a diverse, inclusive workforce. The District strives to achieve a workforce composition reflective of the labor market, and to develop action-oriented programs to improve recruitment efforts. We are committed to providing a professional environment which is free from EEO discrimination, harassment, and/or retaliation.

Started in FY 2022, the Office of Diversity, Equity, and Culture (ODEC), reporting to the General Manager, includes District functions related to employee and organizational development, contract equity, and diversity and inclusion. This office led the effort to create a Diversity, Equity, and Inclusion Strategic Plan, along with a Two-Year Action Plan. These plans, with measurable goals, will support the District in meeting its goals to be an agency that reflects and meets the needs of its community and its staff.



*Administration Building – Oakland, CA*

## Strategic Plan

### SUMMARY

The District's Strategic Plan incorporates its mission and principles, and identifies its goals, strategies, objectives, and key performance indicators. The plan guides staff in the management and allocation of resources and assets. The Strategic Plan also guides the development of the biennial budget and the 10-year Capital Improvement Program (CIP) to ensure that necessary resources are provided to implement the plan's strategies and objectives.

The current Strategic Plan was adopted by the Board of Directors in June 2020. It is the framework for how the District will respond to and prioritize challenges and evolving priorities. The plan incorporates the principles of fiscal responsibility, sustainability, and effective use of resources that minimize the District's environmental footprint.

The Strategic Plan includes the following elements:

- **Goals** define in broad terms the high-level achievements the District will pursue;
- **Strategies** define which actions are necessary to achieve each goal;
- **Objectives** reflect what needs to be accomplished in the near term; and
- **Key Performance Indicators (KPIs)** measure how well the District is doing in achieving its goals.



### STRATEGIC PLAN GOALS

The District has established the following set of goals integrating sustainability principles:

- **Long-Term Water Supply:** We ensure a reliable high-quality water supply for the future.
- **Water Quality and Environmental Protection:** We meet or surpass environmental and public health standards and protect public trust values.
- **Long-Term Infrastructure Investment:** We maintain and improve the District's infrastructure in a cost-effective manner to ensure sustainable delivery of reliable, high-quality service now and in the future, addressing economic, environmental, and social concerns.
- **Long-Term Financial Stability:** We manage the District's finances to meet funding needs and maintain fair and reasonable water and wastewater rates.
- **Customer and Community Services:** We build stakeholder trust and long-term relationships through service excellence, proactive communication and education.
- **Workforce Planning and Development:** We create an environment that attracts, retains, and engages a high performing diverse and inclusive workforce in support of the District's mission and core values.

## IMPLEMENTING THE PLAN

The purpose of the strategic planning process is to define the actions that need to be taken in the next three to five years to achieve the District's mission now and into the future. The process is designed to assess the environment in which we operate and respond to both near and long-term challenges. The General Manager and the Senior Management Team lead the implementation of the Strategic Plan.

The Strategic Plan is adopted by the Board of Directors. Upon adoption, development of specific actions to implement the Strategic Plan begins. The document provides staff with an overall high-level direction to achieve future success; it does not describe the specific actions to be taken. By developing actions that are linked to the Strategic Plan we can ensure that we focus our resources on the highest priorities that will best serve our customers.

### Strategic Plan Process



Employee performance plans are prepared annually to establish and communicate responsibilities and performance expectations to achieve the priorities contained in the plan.

The Strategic Plan is comprised of two documents. One contains our goals, strategies, and objectives to define the actions to take to ensure both long-term achievements and near-term accomplishments, and the other includes a comprehensive set of Key Performance Indicators (KPI) that reflect the various strategies and objectives contained within the six Strategic Plan goals.

The KPI results are measured annually against established targets to evaluate progress towards meeting our goals and are presented to the Board's Finance Committee.

Strategic Plan goals, strategies, objectives, and KPIs are available in the Appendix and online at [www.ebmud.com/about-us/who-we-are/](http://www.ebmud.com/about-us/who-we-are/).

The following page has the one-page summary of the Strategic Plan goals and strategies.

# Strategic Plan | Goals and Strategies

## Long-Term Water Supply

- Goal:** We ensure a reliable high quality water supply for the future.
- Strategy 1** Preserve current water rights and entitlements and augment the District's successful water supply projects by obtaining supplemental supplies to meet customer demands.
- Strategy 2** Reduce potable water demand through water efficiency and conservation and build on past water savings success to help ensure a reliable water supply.
- Strategy 3** Reduce potable water demand through water recycling and build on past success to achieve a diversified and reliable water supply.
- Strategy 4** Consider the impacts of climate change and take appropriate action to understand and balance mitigation and adaptation responses to those impacts through sustainable activities.

## Water Quality and Environmental Protection

- Goal:** We meet or surpass environmental and public health standards and protect public trust values.
- Strategy 1** Manage the Mokelumne and East Bay watersheds to ensure a high-quality water supply and protect natural resources while providing appropriate public access.
- Strategy 2** Operate and maintain District facilities to surpass federal and state drinking water regulations.
- Strategy 3** Operate and maintain District facilities to anticipate and meet all water discharge, air emission, and land disposal requirements to protect and enhance the environment.
- Strategy 4** Minimize impacts to the environment by reducing, recycling, reusing and reclaiming waste, and by conserving natural resources.
- Strategy 5** Ensure protection and stewardship of the San Francisco Bay.
- Strategy 6** Operate Pardee and Camanche Reservoirs and facilities as an integrated system to achieve multiple objectives including municipal water supply, stream flow regulation, environmental protection, flood control, hydropower, and releases for downstream requirements.

## Long-Term Infrastructure Investment

- Goal:** We maintain and improve the District's infrastructure in a cost-effective manner to ensure sustainable delivery of reliable, high-quality service now and in the future, addressing economic, environmental, and social concerns.
- Strategy 1** Maintain coordinated master plans for all facilities and assets.
- Strategy 2** Meet operational needs and reliability goals by effectively maintaining the infrastructure.
- Strategy 3** Implement the master plans and set priorities in the operating and capital budget process to reflect the needs identified in those plans.

## Long-Term Financial Stability

- Goal:** We manage the District's finances to meet funding needs and maintain fair and reasonable water and wastewater rates.
- Strategy 1** Maintain a long-range financing plan that sets forth the long-term funding needs of the District.
- Strategy 2** Implement water and wastewater rates and charges that are legal, fair, reasonable, and equitable.
- Strategy 3** Ensure integrity, accountability, and transparency in financial management.
- Strategy 4** Implement technologies that improve the efficiency and effectiveness of business processes.

## Customer and Community Services

- Goal:** We build stakeholder trust and long-term relationships through service excellence, proactive communication, and education.
- Strategy 1** Build public awareness of the District's priorities, initiatives, systems, and services.
- Strategy 2** Continue to build trust by providing quality service, timely information, and resolution of customer and community inquiries.
- Strategy 3** Build long-term partnerships in the community, regionally and nationally, in areas of shared interest and in support of the District's mission.
- Strategy 4** Maintain active Emergency Preparedness and business continuity Programs to plan for, minimize interruptions, and manage the District's essential functions during an emergency and allow for an efficient and effective recovery.

## Workforce Planning and Development

- Goal:** We create an environment that attracts, retains, and engages a high performing diverse and inclusive workforce in support of the District's mission and core values.
- Strategy 1** Coordinate workforce planning activities to determine future needs, identify gaps, and implement actions to close the gaps.
- Strategy 2** Continue to develop employees to meet evolving workforce demands and implement actions to close gaps.
- Strategy 3** Support District values, recognize employee contributions, and establish clear performance measures to achieve a high-performance culture.
- Strategy 4** Enhance the District's ability to recruit a highly qualified, diverse staff that exhibits the District's values.

**EBMUD Fun Fact:**

EBMUD infrastructure provides 7.75 million gallons of recycled water each day. That's estimated to be enough to water nearly 4,500 sports fields year-round.



## Chapter 2: Finance & Budget Overview

This chapter describes the District's financial structure and organization, and budget development process and responsibilities. It provides the parameters under which the budget is created.

### Financial Organization

#### FUND STRUCTURE AND DESCRIPTIONS

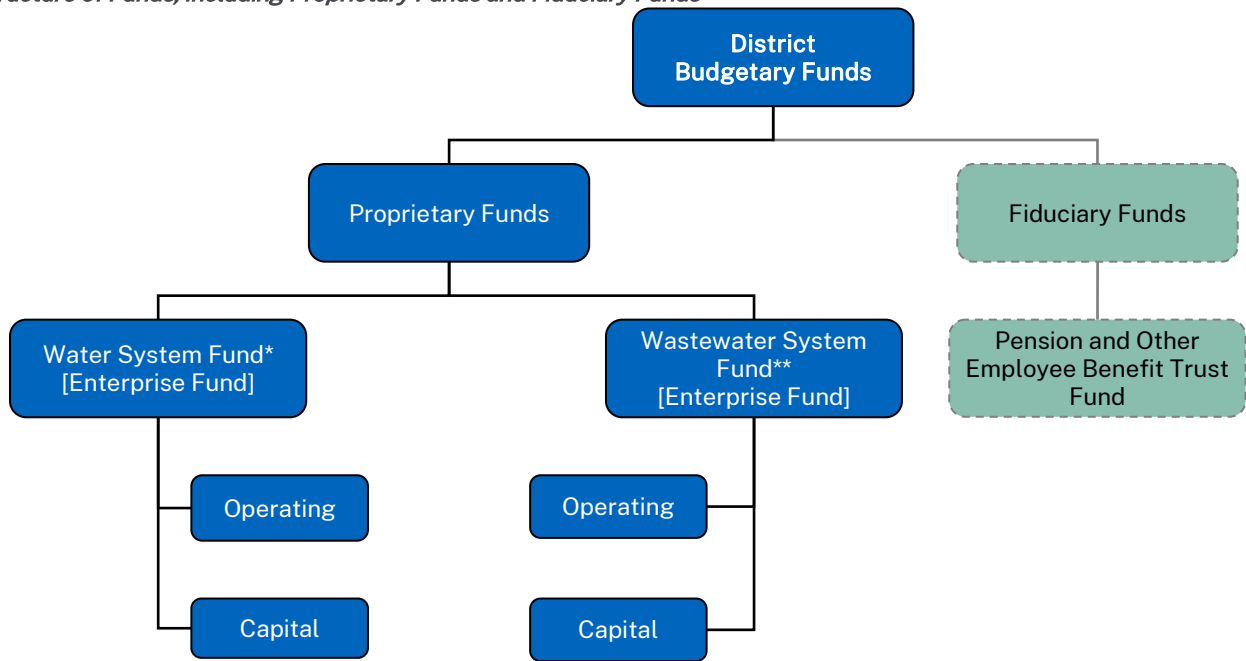
The District's financial structure is composed of proprietary funds (ongoing business operations) and fiduciary funds (see glossary for definitions of terms). The proprietary funds include two legally distinct and financially independent enterprise funds: Water System and Wastewater System. The two separate funds preserve the unique expenditure and revenue distinction between the two entities. When services are provided by one system for the benefit of the other, the appropriate fund is billed and cash transfers are made.

- The Water System is primarily engaged in the collection, transmission, and distribution of water to communities within Alameda and Contra Costa Counties of California. In addition, the Water System provides support services to the Wastewater System and the cost of these services are charged to the Wastewater System. The Water System consists of 14 staffed departments.
- The Wastewater System is primarily engaged in the treatment of wastewater from residences and industries in the California communities of Alameda, Albany, Berkeley, Emeryville, Oakland, Piedmont, and the Stege Sanitary District. The Wastewater System consists of one staffed department.

Both systems are proprietary and enterprise funds. Enterprise funds are used to account for operations that are financed and operated in a manner similar to private business enterprises where the intent of the governing body is that the expense of providing goods or services to the general public on a continuing basis be financed or recovered primarily through user charges.

The Water System performs many support functions for the Wastewater System. These functions include but are not limited to financial services such as accounting, human resources services such as recruitment, information technology, customer services, legal services, and general oversight and governance. The Wastewater System reimburses the Water System directly for these services through a joint administrative and general annual expense.

Both systems are governed by the same elected Board of Directors and share policies and procedures. Throughout this document, the 'District' refers to the East Bay Municipal Utility District and is understood to encompass both the Water and Wastewater Systems.

*Structure of Funds, Including Proprietary Funds and Fiduciary Funds***\*Staffed Departments**

Administration  
 Customer & Community Services  
 Engineering & Construction  
 Finance  
 Human Resources  
 Information Systems  
 Maintenance & Construction  
 Natural Resources  
 Office of the General Counsel  
 Office of the General Manager  
 Operations and Maintenance Support  
 Water Operations  
 Water Recycling Program  
 Water Resources

**\*\*Staffed Department**

Wastewater

In addition to the proprietary funds, the District maintains a fiduciary fund to account for resources held for the benefit of parties outside the government. The fiduciary fund consists of the Pension and Other Employee Benefit Trust Fund, which is maintained to account for assets held by the Employees' Retirement System in a trustee capacity for vested and retired employees.



## FINANCIAL REPORTING

Financial reports are prepared in conformity with generally accepted accounting principles. At the conclusion of each fiscal year, the Finance Department prepares the Annual Comprehensive Financial Report in compliance with principles and standards for financial reporting set forth by the Governmental Accounting Standards Board (GASB), and the guidelines recommended by the GFOA of the United States and Canada. An application has been submitted to GFOA for the Certificate of Achievement for Excellence in Financial Reporting for the Comprehensive Annual Financial Report for the fiscal year ending June 30, 2024. The Certificate of Achievement is a national award recognizing conformance with the highest standards for preparing a state and local government financial report. To receive the award, a government unit must publish an easily readable and efficiently organized report that satisfies both generally accepted accounting principles and applicable legal requirements. If awarded, this will be the eighteenth consecutive year that the District has received the award.

## BUDGETARY AND ACCOUNTING BASIS

The basis of budgeting and accounting refers to the method for recognizing revenue and expenses in financial and budgetary reporting.

The District's budgets are prepared on a modified cash basis which projects the cash inflows and outflows over the course of a fiscal year (July 1 through June 30) excluding physical and intangible assets such as depreciation. Revenues are recognized as they are received and accounted for, while expenditures are recognized at the time commitments are incurred.

The District's accounts and transactions are tracked on an accrual basis, which is the basis of accounting under generally accepted accounting principles. Under this method, all assets and liabilities associated with operations are included on the balance sheet; revenues are recorded when earned and expenses are recorded at the time commitments are incurred.

Depreciation and amortization are handled differently in budgetary and financial reporting. In budgetary reporting, depreciation and amortization are excluded, and the repayment of the principal on debt as an expense is included. In financial reporting, depreciation and amortization are included, and the repayment of the principal on debt as an expense is excluded.

This table illustrates the differences between the budget and accounting basis described above.

*Revenue and Expenses on a Budgetary Basis Compared to Accounting Basis*

|                                | Budgetary                                       | Accounting                                    |
|--------------------------------|---|---|
|                                | (Modified Cash Basis)                           | (Accrual Basis)                               |
| Revenue                        | Recognized when received and accounted for      | Recorded when earned                          |
| Obligations                    | Recognized at the time commitments are incurred | Recorded at the time commitments are incurred |
| Depreciation and amortization  | Excluded  | Included                                      |
| Repayment of principal on debt | Included  | Excluded                                      |

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## FINANCIAL PLANNING

The District prepares a strategic plan and annual financial forecasts that provide the basis for developing the budget. Long-term financial stability is a goal in the Strategic Plan, which includes managing the District's finances to support its needs and maintain reasonable water and wastewater rates.

Revenue requirements over a ten-year planning horizon are evaluated to determine the level of rate adjustments required for the upcoming budget years. To the extent possible, increases in water and wastewater rates are adjusted to avoid large fluctuations.

## FINANCIAL POLICIES

The District establishes policies and resolutions to comply with the stipulations set forth in the Municipal Utility District Act of the State of California (MUD Act). District policies are reviewed at least biennially; some policies such as the Investment Policy are reviewed annually. The policies described below set forth key objectives for long-range financial planning and control.

The following policies are included in the Appendix as a reference:

- Policy 4.02      Cash Reserves
- Policy 4.04      Financial Planning and Budgetary Control
- Policy 4.07      Investments
- Policy 4.13      Establishing Water and Wastewater Rates
- Policy 4.27      Debt Management

### **Policy 4.02: Cash Reserves**

This policy identifies specific financial metric targets. The District strives to maintain operating reserves at a level sufficient to meet working capital and unanticipated needs, specifically:

- Maintaining Working Capital Reserves of at least 3.0 times monthly net operating and maintenance expenses.
- Maintaining Self-Insured Liability Program Reserves based on the Actuarial Self-Insured Retention (SIR) funding recommendation.
- Maintaining Workers' Compensation Program Reserves based on the Actuarial SIR funding recommendation.
- Maintaining Rate Stabilization Reserves. The Water System requires a minimum of 20 percent of projected annual water volume revenues, and the Wastewater System requires a minimum of 5 percent of operating and maintenance expenses.

### **Policy 4.04: Financial Planning and Budgetary Control**

This policy provides for the efficient use of District resources through financial planning and cost control; keeps total annual expenditures to the level of total annual revenue; provides periodic status reports on revenues, expenditures, and investments; and establishes the authority of the General Manager to transfer up to 5 percent of each fiscal year's budget between the capital and operating budgets within each System's funds, provided that the total budget for each System fund remains unchanged. Budget transfers between the Water and Wastewater Systems are prohibited.

**Policy 4.07: Investments**

This policy guides the investment of District funds. The policy ensures that all investments are compliant with the state law, protects investments (safety), ensures availability of funds when needed (liquidity), and provides earnings on the investment portfolio (yield) while reducing risk by investing in a variety of instruments (diversification) and the District's Conflict of Interest Code. Among the key guidelines included in the policy are the types and characteristics of permitted investments, parameters for investment decisions, reporting requirements, and internal controls.

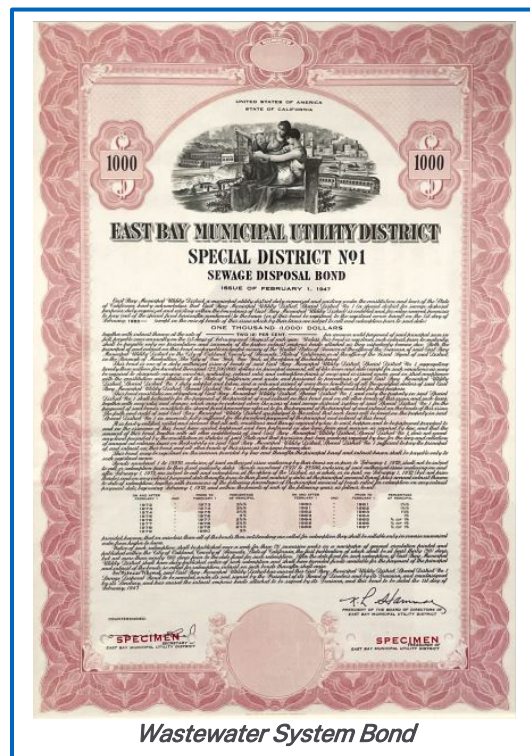
**Policy 4.13: Establishing Water and Wastewater Rates**

This policy guides the establishment of water and wastewater rates for the East Bay Municipal Utility District. The policy ensures that rates comply with applicable laws, including Proposition 218 and the Municipal Utility District (MUD) Act. Among the key guidelines included in the policy are the methodology for setting rates, the requirement for a cost-of-service study at least every ten years, and the design principles that ensure cost recovery for the operation and capital needs of water and wastewater facilities. The policy also outlines the public involvement process in rate-setting, ensuring transparency through public hearings and board review before implementing new or revised rates.

**Policy 4.27: Debt Management**

This policy strives to maintain a reasonably conservative ratio between current funding sources and debt financing by:

- Maintaining an annual revenue bond debt service coverage ratio of at least 1.6 times;
- Limiting debt-funded capital to no more than 65 percent of the total capital program over each five-year planning period; and
- Limiting commercial paper/variable rate debt to 25 percent of outstanding long-term debt.



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## Budget Process

### SUMMARY

During the budget process, the District makes decisions on the efficient use of its resources using the Strategic Plan for guidance. A financial plan and biennial budget are established for the Water and the Wastewater Systems that includes the operating and capital programs and sets levels of related expenditures that may be made.

The budget reflects the costs necessary to provide customers with safe, reliable water and wastewater service over the long-term while keeping rates fair and reasonable. The budget is also used to develop rates and charges that provide adequate revenues to meet the District's needs and encourages the efficient use of water.

Decisions on allocating resources and addressing budget needs do not end when the Board adopts the budget. Throughout the year, departments are responsible for implementing the budget and monitoring budget performance, responding to unforeseen or emergency circumstances, and participating in long-range financial planning.

The District received the GFOA's Distinguished Budget Presentation Award for its FY 2024 and FY 2025 biennial budget document. This is the eighteenth consecutive budget document for which the District has received the GFOA award. For the seventh time, the California Society of Municipal Finance Officers (CSMFO) has presented the Excellence in Budgeting Award to the District. To qualify for these awards, the budget document had to meet stringent guidelines and criteria.

### BALANCED BUDGET

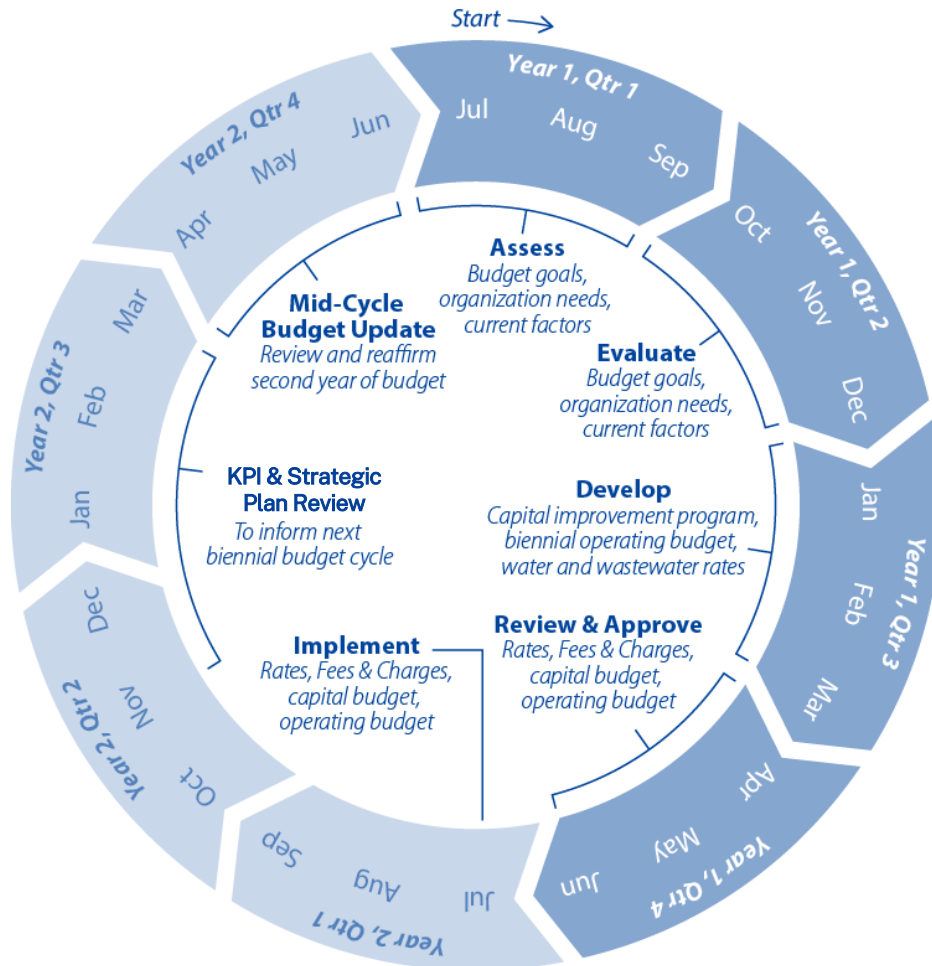
The District budget is balanced when revenues are equal to or greater than expenditures, including debt service, and ending fund balances meet minimum policy levels. The District's rates and charges are set to ensure that rate revenues are sufficient to recover the total revenue requirement in a given fiscal year. To calculate rate structures, the District conducts Cost of Service (COS) studies. COS studies allocate costs among customer classes based on usage characteristics. State law requires basing rates and charges on the cost of providing service.

This year, the District updated the COS study for the Water System, leading to changes in the structure of some Water rates and charges. The effort to update the Water COS was thorough and comprehensive and is published separately from the Biennial Budget. The rates and charges for the Wastewater System continue to reflect the 2019 Wastewater COS study.

## BUDGET DEVELOPMENT CALENDAR

The District has a biennial budget process which is represented in the graphic below and described more fully in the following text.

*Biennial Budget Development Cycle*



|                 |   |
|-----------------|---|
| <b>Assess</b>   | <b>Budget goals, organization needs, and current factors</b>        |
| Before July     | Capital budget process starts before the fiscal year begins.        |
| July            | Budget guidelines and assumptions prepared.                         |
| August          | Operating budget and staffing-related budget development starts.    |
| <b>Evaluate</b> | <b>Budget goals, organization needs, and current factors</b>        |
| October         | Review of staffing, operating, and capital budget requests.         |
| November        | Infrastructure Workshop presents information on the 10-Year CIP.    |
| December        | Senior Management Team (SMT) reviews and discusses budget requests. |

|                  |   |
|------------------|---|
| <b>Develop</b>   | <b>Capital Improvement Program, biennial operating budget, rates</b>  |
| January          | Operating, staffing, and capital budget recommendations developed with Board input in the first Budget Workshop.  |
| February         | Semi-Annual Budget Performance Report presented to the Board, which provides six months of actual performance, which informs the budget and rates development process.<br><br>Proposed budgets and rates are further refined.                             |
| March            | Documents are prepared to present proposed budget and rates to the Board and the public.<br><br>The General Manager presents the proposed operating and capital budgets, and proposed rates, fees and charges to the Board at the second Budget Workshop. |
| <b>Approve</b>   | <b>Rates, charges, and fees, capital budget, operating budget</b>   |
| April            | Another budget workshop occurs if needed to address any direction given by the Board at previous budget workshops.<br><br>California Proposition 218 notices are distributed to property owners.  |
| May              | The General Manager's recommendations on the proposed rates, charges, and fees are filed with the Board of Directors.   |
| June             | Public hearing on rates is held.<br><br>Board adopts operating and capital budgets; rates, charges, and fees schedules; and positions authorization.  |
| <b>Implement</b> | <b>Adopted rates, charges, and fees, capital and operating budgets</b>  |
| July             | Adopted rates and budget implementation begins.<br>Adopted budget, and rates and charges schedules published.   |

## REPORTS AND UPDATES TO THE STRATEGIC PLAN AND BUDGET

### Strategic Plan Update

The Strategic Plan is updated periodically as needed. The plan provides the District with overall direction for several years, sets priorities, and guides the development of the budget within those priorities.

### Mid-Cycle Budget Update

The Board of Directors approves the budget covering a two-year period. The Board reviews and reaffirms the second year of the two-year budget prior to the start of a new fiscal year in July. A Mid-Cycle Budget Update workshop provides the Board of Directors with a budget status and any projected changes to revenues, expenditures, and staffing.

### Annual and Semi-Annual Budget Performance Reports

At the mid-point and conclusion of each fiscal year, the Board of Directors is provided with a comparative analysis of expenditures to budget.

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## BUDGET RESPONSIBILITIES

Budget decisions are made through a process that involves the Board of Directors, District staff, and the public. The responsibilities for financial management planning and budget control are:

### All Departments' Responsibilities

- Support preparation of the CIP and biennial budget requests;
- Monitor financial performance and take prompt corrective action as needed;
- Monitor key performance indicators and take corrective action as appropriate; and
- Inform the General Manager when unforeseen circumstances indicate that budget amounts may be exceeded or that expected revenues may be less than planned.

### Finance Department's Responsibilities

#### ACCOUNTING

- Produce monthly and annual expenditure and revenue reports;
- Prepare and present information on financial trends to facilitate evaluation of the District's financial position and identify conditions requiring management attention; and
- Prepare periodic reports on the status of expenditures, revenues, investments, and actions taken to ensure the financial stability of the District.

#### OFFICE OF BUDGET AND PERFORMANCE

- Facilitate the updates to the Strategic Plan;
- Project financial needs, and recommend methods for meeting those needs;
- Prepare the District's biennial operating and CIP budgets;
- Prepare monthly, quarterly, semi-annual, and annual budget performance reports;
- Prepare the mid-cycle budget update;
- Assist departments throughout the year with their budgets and financial issues; and
- Develop procedures and controls to monitor and ensure compliance with the budget.

#### TREASURY OPERATIONS

- Monitor the District's liquidity and ensure funds are available as needed, invest funds in accordance with Board policy, wire funds to pay approved demands, and take other actions associated with the prudent management of the District's financial resources;
- Provide for the issuance of debt to fund the CIP; and
- Prepare financial projections, schedules of rates and charges, and other financial materials.



**General Manager's Responsibilities**

- Review and present to the Board long-range plans, budgets and revisions, schedules of rates and charges, payments of financial demands, and other financial transactions, as necessary;
- Authorize budget transfers up to five percent of the fiscal year's budgets between the operating and capital budgets in each of the Water and Wastewater System's budgets, provided that the total budget for each of the two systems remains unchanged; and
- Implement emergency financial procedures within approved limits, when necessary.

**BUDGETARY CONTROLS**

Automated District-wide budgetary controls track spending to the amounts set in the budget. Budgetary controls function differently for operating and capital budget appropriations.

For the operating budget, each department is controlled within each of the three expenditure categories: personnel costs, contract services, and operations and maintenance. Departments may not exceed their authorized operating budget for each fiscal year unless there are available contingency funds to cover the additional expenses. The Office of Budget and Performance monitors the budget and oversees the contingency fund.

For the capital budget, each capital Award is controlled based on its appropriation. An Award may not exceed its total appropriation. Unlike the operating budget, which expires on June 30 of each fiscal year, capital appropriations are multi-year and will last through the life of the projects.

Starting in FY 2026, the District will be modifying its capital budget controls to increase accountability associated with capital project costs. The development of these new control methods is ongoing and will be phased in using a combination of existing financial system and manual monitoring processes.

**BUDGET ADJUSTMENTS**

Adjustments to the operating budget are reallocations of funds between organizational units, categories, or line items, which allow departments to have financial flexibility within established budgetary controls. Approval is required by the affected department(s) and by the Office of Budget and Performance.

Budget adjustments to the capital budget are reallocations of funds within or between Awards. Approval from the affected department(s) and the Office of Budget and Performance is required for all budget adjustments.

Operating appropriations can be transferred between fiscal years if allowed under the parameters of the Board-approved budget resolution, as long as there is no net increase in appropriations without additional Board approval. Capital funds are generally transferred from one fiscal year to the next as long as the appropriations are for the same approved Capital projects.

General Manager approval is required for the reallocation of funds between the operating and capital budgets of the Water and Wastewater Systems. Approval from the Board of Directors is required for increases to the total budgets of the Water or Wastewater Systems, except when approval is granted in advance through the biennial budget resolution, which allows for increases in appropriations when awarded grant funds. No appropriations can be transferred between the Water and Wastewater Systems.



## CAPITAL IMPROVEMENT PROGRAM PREPARATION

### About the CIP

The CIP communicates the District's planned infrastructure investments for the next 10 years by first identifying and prioritizing capital needs, then refining the plan given available resources. Developed biennially and incorporated into the District-wide budget, the CIP consists of projects that typically result in the construction of new facilities, or the rehabilitation or upgrade of existing facilities. Project costs include all expenditures required to study, plan, design, construct, or upgrade new or existing facilities. Projects can also include large equipment purchases and the creation or replacement of technology infrastructure.

The Office of Budget and Performance (OBP) is the central budgeting office, responsible for coordinating the development of the capital budget and on-going monitoring throughout the fiscal year, including:

- Managing the CIP budget preparation and planning process, including forecasting, stewardship of enterprise budget development software, and internal communications;
- Providing staff support to the Capital Steering Committees (CSCs);
- Ensuring that the decisions of the CSC and General Manager are reflected in the budget;
- Determining the level and sources of funding necessary for the CIP;
- Reporting to the General Manager and CSCs the status of capital cash flow spending; and
- If required, requesting General Manager or Board approval for adjustments to CIP appropriations.

### CIP Budget Development

The responsibilities for preparing and managing the CIP continue to be a collaborative effort, with new elements incorporated for this budget cycle.

#### PRIORITIZATION

For the FY 2026 - FY 2035 CIP, OBP and the CSC embarked on a new capital prioritization process. Every project in this CIP was individually scored by the members of the Water and Wastewater CSCs and evaluated for its importance to the system along multiple criteria as well as the urgency of its need. The projects were then organized in priority order. After this, project resources were considered, and staff adjusted the CIP to align with the District's financial and staffing capabilities. This process helped prioritize the organization's infrastructure needs.

#### TECHNOLOGY

The District continues to invest in technology to modernize the District's financial processes, enhance reporting, streamline data entry, and foster innovative methods of budget development. The tools heavily supported this CIP development processes. The new practices will also prove instrumental as the District plans to pursue more external funding opportunities for capital, particularly focused on state and federal grants with associated monitoring and reporting requirements.

#### PROJECT MANAGEMENT

Project managers across the organization endeavor to meet the requirements of the biennial CIP budget process and to implement specific projects. During budget development, project staff submitted questionnaires for each project included in the CIP, to be scored according to the criteria above. After scores placed projects in priority order, project appropriations and cash flows were updated, and project descriptions and justifications were modified. Managers also worked together to identify the most effective ways to schedule, staff, and coordinate projects.

**CAPITAL STEERING COMMITTEES (CSCs)**

The CSCs – one for the Water System and Wastewater System – consist of Department Directors and Managers responsible for the overall management of the CIP during the budget preparation process. Responsibilities include:

- Serve as an advisory group to the General Manager and the Office of Budget and Performance;
- Review projects for opportunities to combine projects, streamline costs, and determine the necessity for proposed new projects;
- Confirm the adequacy of District resources to complete projects;
- Analyze and challenge planned project cash flow amounts;
- Finalize the list of individual projects to be presented to the General Manager and Board of Directors based on available resources, project need, and priority;
- Review the status of the CIP regularly;
- Provide direction to project management staff to resolve administrative issues; and
- Authorize necessary changes to project scope, schedule, and budget that are within staff's administrative authority.



*Leak Detection Reduces Water Loss*

## Chapter 3: Budget Summary

### OVERVIEW

This chapter summarizes the biennial budget for the Water and Wastewater Systems and includes the following topics:

- Budget Appropriations
- Operations, Debt Service, and Capital Improvement Program
- Staffing and Labor and Benefits
- Sources of Funds and Fund Summaries

### Budget Appropriations

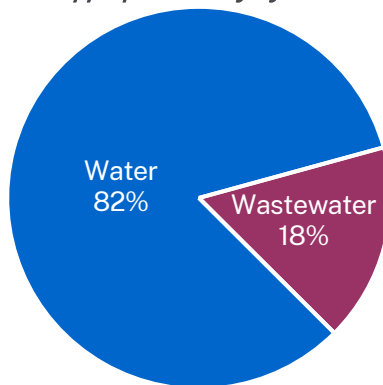
The budgeted appropriations are divided into three categories:

- **Operations** associated with the annual cost of providing all water and wastewater services;
- **Debt Service** on bonds issued to pay for the capital infrastructure investments along with other debt-related expenses; and
- **Capital** associated with projects to upgrade aging infrastructure, make seismic improvements, protect natural resources, and ensure a future water supply.

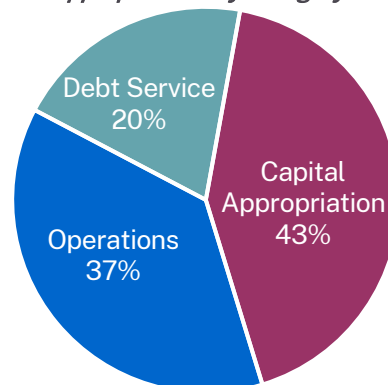
#### Appropriations Summary for Water and Wastewater Systems

| Appropriations Summary (\$ Millions) |                |              |                |                |              |                |                |
|--------------------------------------|----------------|--------------|----------------|----------------|--------------|----------------|----------------|
|                                      | FY 2026        |              |                | FY 2027        |              |                | Grand Total    |
|                                      | Water          | Wastewater   | Total          | Water          | Wastewater   | Total          |                |
| Operations                           | 456.4          | 118.9        | 575.4          | 478.5          | 123.7        | 602.2          | 1,177.6        |
| Debt Service                         | 269.7          | 36.9         | 306.6          | 289.4          | 36.8         | 326.2          | 632.8          |
| Capital Appropriation                | 729.2          | 90.3         | 819.5          | 394.4          | 120.8        | 515.2          | 1,334.7        |
| <b>Total</b>                         | <b>1,455.3</b> | <b>246.2</b> | <b>1,701.5</b> | <b>1,162.3</b> | <b>281.3</b> | <b>1,443.6</b> | <b>3,145.1</b> |

Appropriations By System



Appropriations by Category



**APPROPRIATIONS BY SERVICES PROVIDED**

EBMUD provides water and wastewater services to protect public health through the operation and maintenance of an infrastructure system spanning over 4,200 miles of pipeline, 344 miles of aqueducts, 171 reservoirs including 164 treated water reservoirs, 143 pumping plants, 37 miles of sewer interceptors, and 10 water treatment plants and one wastewater treatment plant plus three wet weather facilities. Other services include recreation, fishery and habitat restoration, water conservation, pollution prevention, youth and adult education, and producing renewable energy at dams and the wastewater treatment plant. Unlike many California water agencies, EBMUD owns its own water source and only purchases supplemental water during droughts.

The following table summarizes the budgeted appropriations by services provided.

*Appropriations by Service Provided*

| FY 2026 & FY 2027 Appropriations by Services Provided (\$ Millions)  |                |                |
|--|----------------|----------------|
| Services   | FY 2026        | FY 2027        |
| <b>Capital Improvement Program</b><br>Projects to upgrade aging infrastructure, protect natural resources, and provide high quality water and wastewater services. Projects typically result in the construction of new facilities, or the rehabilitation or upgrade of existing facilities. | 819.5          | 515.2          |
| <b>Debt Service</b><br>Interest and principal repayment of bonds sold to pay for capital investments along with other debt-related expenses.   | 306.6          | 326.2          |
| <b>Water Service</b><br>Operation and maintenance of facilities to store, treat, and deliver high-quality water to 1.4 million customers including reservoirs, pipelines, and treatment plants; planning for future water supply; recycled water; and reading meters.                        | 285.6          | 297.6          |
| <b>Wastewater Service</b><br>Operation and maintenance of facilities to convey and treat wastewater for 740,000 customers including sewer interceptors, the treatment plant, laboratory and wet weather facilities; and educational outreach to residences and businesses.                   | 115.1          | 119.1          |
| <b>Support Services</b><br>Human resources, finance, legal, information systems, and other services.   | 113.3          | 121.7          |
| <b>Customer Service</b><br>Water conservation programs, public information, school outreach, billing services, contact center, and additional customer support services.   | 37.5           | 39.3           |
| <b>Natural Resource Management and Protection</b><br>Environmentally sound management of over 57,000 acres of watershed lands, and operation of public recreation facilities and fisheries programs.   | 23.9           | 24.5           |
| <b>Total Budget Appropriations</b>   | <b>1,701.5</b> | <b>1,443.6</b> |

## Operations

Various departments carry out the day-to-day operations, and the budget includes appropriations for labor, contract services, and other expenses such as fuel, chemicals, and computer hardware and software. Appropriations are also budgeted for contingency to cover unanticipated needs. Intradistrict appropriations ensure that certain internal expenses are not duplicated such as vehicle expenses. Capital support costs, such as administration and general oversight, capture costs that support but are not directly attributable to a single capital project. Capital support costs are subtracted from operations and reallocated to the capital budget. Intradistrict expenses are also subtracted from operations and typically only have a small impact on the Water System.

## DEPARTMENTS

The table below shows department operations within each system. The Maintenance & Construction and Water Operations Departments account for almost half of the Water System operations budget.

*District-Wide Operating Appropriations by Department*

| Department Operating Appropriations (\$ Millions) |              |              |             |
|---|--------------|--------------|-------------|
|   | FY 2026      | FY 2027      | % Change    |
| <b>Water System</b>                               |              |              |             |
| Administration                                    | -            | -            |             |
| Customer & Community Services                     | 31.4         | 32.9         | 4.7%        |
| Engineering & Construction                        | 32.3         | 33.7         | 4.5%        |
| Finance   | 27.5         | 28.3         | 2.9%        |
| Human Resources                                   | 14.5         | 15.1         | 4.2%        |
| Information Systems                               | 43.0         | 44.1         | 2.4%        |
| Maintenance & Construction                        | 107.8        | 111.8        | 3.7%        |
| Natural Resources                                 | 23.9         | 24.5         | 2.8%        |
| Office of the General Counsel                     | 6.8          | 7.1          | 3.6%        |
| Office of the General Manager                     | 21.4         | 23.7         | 10.7%       |
| Operations & Maintenance Support                  | 36.4         | 38.1         | 4.6%        |
| Water Operations                                  | 130.8        | 136.3        | 4.1%        |
| Water Recycling Program                           | 8.2          | 8.5          | 4.1%        |
| Water Resources                                   | 14.8         | 15.4         | 4.2%        |
| <b>Staffed Departments Subtotal</b>               | <b>498.8</b> | <b>519.4</b> | <b>4.1%</b> |
| Contingency                                       | 28.1         | 29.6         | 5.2%        |
| Intradistrict                                     | (12.5)       | (12.5)       | 0.0%        |
| Capital Support                                   | (58.0)       | (58.0)       | 0.0%        |
| <b>Total Water System</b>                         | <b>456.4</b> | <b>478.5</b> | <b>4.8%</b> |
| <b>Wastewater System</b>                          |              |              |             |
| Staffed Department                                | 115.1        | 119.1        | 3.4%        |
| Contingency                                       | 6.9          | 7.7          | 11.4%       |
| Capital Support                                   | (3.1)        | (3.1)        | 0.0%        |
| <b>Total Wastewater System</b>                    | <b>118.9</b> | <b>123.7</b> | <b>4.0%</b> |
| <b>District Total</b>                             | <b>575.4</b> | <b>602.2</b> | <b>4.7%</b> |

## Debt Service

### DEBT-FUNDED CAPITAL INVESTMENTS

Capital expenditures are funded through debt financing or on a “pay-as-you-go” basis, but a portion can also be funded by reimbursements or grants. Debt financing is generally suited for large capital projects with a long useful life and creates a measure of intergenerational equity in that future ratepayers will participate in the financing of the capital projects over their useful life. The “pay-as-you-go” option uses current year revenues and supports long-term financial stability.

The District’s policy is that over any five-year planning period no more than 65 percent of the Capital Improvement Program (CIP) will be funded from debt. Prior biennial budgets, as well as this budget, support additional “pay-as-you-go” funding to reduce debt service costs. Although debt service payments are considered to be part of the operating budget, debt proceeds are used to finance capital investments.

Over the 10-year FY 2026 – FY 2035 CIP, approximately 33.0 percent of the Water System’s capital program and 49.6 percent of the Wastewater System’s capital program will be debt funded.

### DEBT SERVICE AND PLANNED BOND ISSUANCE

Annual debt service payments are made to pay the interest and principal on the bonds issued to fund a portion of the CIP as shown in the table below. The table also shows the amount of new revenue bonds expected to be issued to help fund the CIP.

Total outstanding debt for the Water System is projected to be \$2.71 billion as of March 31, 2025, and \$348.9 million on the Wastewater System as of March 31, 2025.

*District-Wide Debt Service and Planned Bond Issuance*

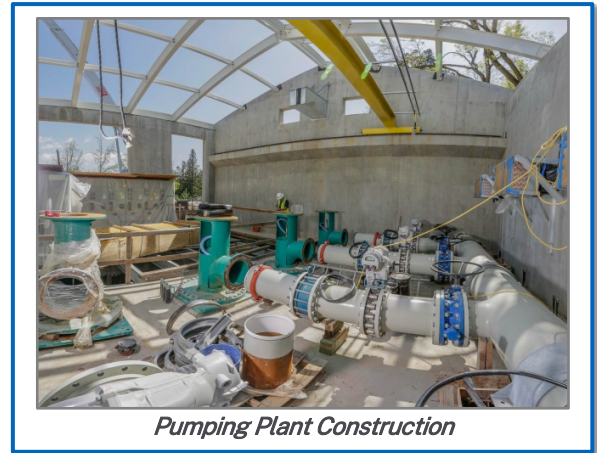
| Debt Service and Bond Issuance (\$ Millions) |              |                   |              |                   |
|--|--------------|-------------------|--------------|-------------------|
|  | FY 2026      |                   | FY 2027      |                   |
|  | Water System | Wastewater System | Water System | Wastewater System |
| Debt Service Payments                        | 266.3        | 35.7              | 286.6        | 35.5              |
| New Bond Issuance                            | 355.0        | 40.0              | 345.0        | 35.0              |



## Capital Improvement Program

The Capital Improvement Program (CIP) identifies the District's capital needs over the next five years and prioritizes projects to rehabilitate and replace aging infrastructure to better serve customers.

Capital appropriations are the amounts approved by the Board to be spent on capital projects and may be expended over multiple years. Appropriations vary from year-to-year depending upon the funding needs of the projected work. Capital support consists of costs incurred by support functions that are not directly charged to individual capital projects, such as finance, human resources, and information systems. These costs support the CIP as a whole and are deducted from the operations budget and included in the capital budget.



### CAPITAL APPROPRIATIONS

The following table shows the annual appropriations for the first two years of the five-year CIP, including capital support. The Board adopts the appropriations for only the first two years of the CIP. The remaining years are for planning purposes and are subject to revision.

*Planned Capital Appropriations by Fund*

| Planned Capital Appropriations by Fund (\$ Thousands) |                |                |                  |
|---|----------------|----------------|------------------|
|   | FY 2026        | FY 2027        | Total            |
| Water   | 671,154        | 336,444        | 1,007,599        |
| Capital Support                                       | 58,000         | 58,000         | 116,000          |
| <b>Water Total</b>                                    | <b>729,154</b> | <b>394,444</b> | <b>1,123,599</b> |
| Wastewater  | 87,216         | 117,679        | 204,895          |
| Capital Support                                       | 3,100          | 3,100          | 6,200            |
| <b>Wastewater Total</b>                               | <b>90,316</b>  | <b>120,779</b> | <b>211,095</b>   |
| <b>District Total</b>                                 | <b>819,470</b> | <b>515,224</b> | <b>1,334,694</b> |

Capital projects are organized by Award Purpose. There are 18 Award Purposes for the Water System and four for the Wastewater System, including an Award Purpose specific to contingency appropriations for each system. For the purposes of illustrating cash flow or general expense planning, contingency is typically excluded as while there may be appropriations, there is no planned or actual expenses from these Awards. Contingency appropriations for capital are intended to meet unanticipated needs that may arise before the next budget cycle. Typical examples include: replacement or repairs to facilities or equipment as a result of failures or safety deficiencies; new projects not anticipated during the prior cycle but which are necessary to begin on an accelerated timeframe; and unanticipated cost increases for projects.

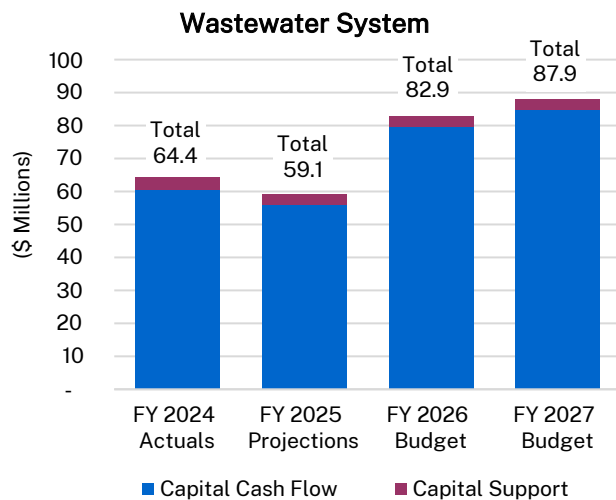
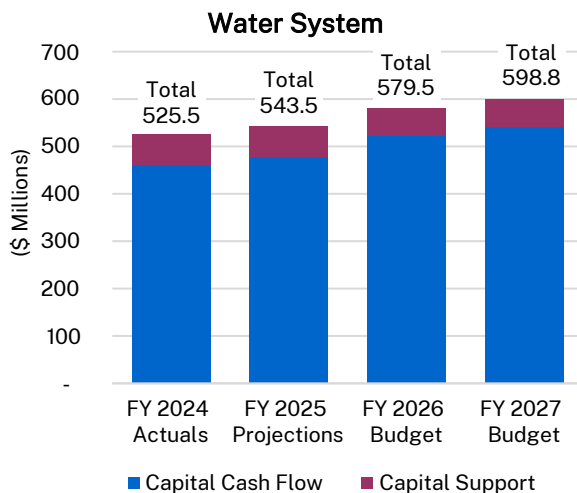
The CIP is described in more detail for each system in Chapters 4 and 5, as well as in Volume 2 – Capital Award Summaries. The following table lists the 22 award purposes.

*District-Wide CIP Award Purposes*

| Capital Improvement Program Award Purposes by System |                                     |
|--|-------------------------------------|
| Water  | Wastewater                          |
| District-Wide Building Facility Improvements         | Main Wastewater Treatment Plant     |
| Environmental Resources & Remediation                | Wastewater Remote Facilities        |
| New Business Infrastructure                          | Wastewater System-wide Improvements |
| Pipelines - Distribution System                      | Contingency                         |
| Pipelines - Transmission                             |                                     |
| Pressure Zone Studies                                |                                     |
| Process & System-Wide Improvements                   |                                     |
| Raw Water System                                     |                                     |
| Recreation Areas & Facilities                        |                                     |
| Regulators & Rate Control Stations                   |                                     |
| Reservoirs - Distribution                            |                                     |
| Reservoirs - Supply                                  |                                     |
| Supplemental Supply & Regional Agreements            |                                     |
| Sustainable Energy                                   |                                     |
| Vehicles, Equipment & Related Facilities             |                                     |
| Water Recycling & Conservation                       |                                     |
| Water Treatment                                      |                                     |
| Contingency  |                                     |

**CAPITAL CASH FLOW**

In contrast to capital appropriations, capital cash flow reflects actual and planned expenses on an annual basis for projects that received appropriations in the current or prior fiscal years. For budgetary planning and reporting, capital cash flow is also tracked by Award Purpose and Awards. In previous budget cycles, capital cash flows were “discounted” 20 percent each year from what project managers projected for the CIP. This was based on historical patterns of spending, which often underperformed projections due to delays resulting from external regulations, staff turnover, unexpected contractor or materials delays, or other unforeseen resource constraints. Beginning in FY 2026, projected cash flows are no longer discounted as the prioritization and refining process was more rigorous. The following shows a four-year view of actual capital cash flow and budgeted, discounted capital cash flows.

*Water and Wastewater Systems Capital Cash Flows*



## Staffing

Departments add and delete positions based on operational needs and major Board priorities, including priorities named in the Strategic Plan, as well as the projects planned in the Capital Improvement Program. Staffing is shown by full-time equivalents (FTE) which varies depending upon appointment type. Civil service, civil-service exempt, limited-term, and temporary construction appointments are full-time positions and equal 1.0 FTE. Intermittent positions equal 0.75 FTE. Part-time and temporary positions equal 0.5 FTE.

### AUTHORIZED POSITIONS

In FY 2026, the District will have 2,242.25 authorized FTE, with full-time positions comprising over 95 percent of the workforce. The following shows the number of authorized FTEs for FY 2023 through FY 2027, as amended by Board actions and transfers between departments. Over this five-year period, staff levels have increased by 85.00 FTE, or 3.9 percent.

#### *Staffing Summary and Comparison FY 2023 to FY 2027 by FTE Count*

| District-Wide Staffing Summary and Comparison (FTE) |                 |                 |                 |                 |                 |
|---|-----------------|-----------------|-----------------|-----------------|-----------------|
| Position Type                                       | FY 2023         | FY 2024         | FY 2025         | FY 2026         | FY 2027         |
| Full-Time (Civil Service and C.S. Exempt)           | 2,069.00        | 2,125.00        | 2,126.00        | 2,139.00        | 2,139.00        |
| Limited-Term / Temp. Construction                   | 56.00           | 67.00           | 68.00           | 71.00           | 73.00           |
| Intermittent  | 3.75            | 3.75            | 3.75            | 3.75            | 3.75            |
| Temporary / Part-Time                               | 30.50           | 34.00           | 34.00           | 28.50           | 28.50           |
| <b>Total FTE</b>                                    | <b>2,159.25</b> | <b>2,229.75</b> | <b>2,231.75</b> | <b>2,242.25</b> | <b>2,244.25</b> |
| <b>FTE Change from Previous Fiscal Year</b>         |                 | <b>70.50</b>    | <b>2.00</b>     | <b>10.50</b>    | <b>2.00</b>     |

### FY 2026 and FY 2027 Changes in FTE

Staffing changes provide opportunities to address priority areas such as investments in and maintenance of aging water and wastewater infrastructure. In FY 2026 and FY 2027, the budget includes a net increase in FTE in order to complete critical work and invest in strategic Board priorities. The number of District-wide authorized FTE is increasing a net of 10.50 in FY 2026. In FY 2027, 2.00 FTE will be added. The increase is driven by several factors:

#### WATER SYSTEM

The 8.50 FTEs added in FY 2026, as well as the 2.00 FTE added in FY 2027, will:

- Add Data Scientists to harness the potential of the District's operational data to improve efficiency and effectiveness;
- Invest in the Customer Assistance Program (CAP) to expand affordability for all customers;
- Support operations, including reducing contracted services for the District's infrastructure work;
- Add to warehouse staffing to meet higher demand for the function as pipeline mileage has grown;
- Respond to critical needs in human resources;
- Support the work management system replacement project;
- Enhance school field trips and community education; and
- Reduce risk at upcountry recreation areas.

**WASTEWATER SYSTEM**

The 2.00 FTEs added in FY 2026 will:

- Complete critical electrical projects in the ongoing maintenance and improvements to the Main Wastewater Treatment Plant; and
- Increase opportunities in the skilled trades through an additional Limited-Term Technical Trades Apprentice position, bringing the total to four District-wide.

**LABOR AND BENEFITS**

Labor includes all compensation such as salaries and overtime. Benefits include the District's costs associated with retirement, health care, Social Security, disability and unemployment insurance. The District does not pay for the employee share of retirement contributions.

Labor and benefits are allocated to either operations or capital. Typical duties performed by employees that charge to operations include pipeline repairs, meter maintenance, treatment plant operations, customer support, human resources, information systems, and finance. Typical capital duties include upgrades, rehabilitation, and replacement of pipelines, reservoirs, pumping plants, and treatment plants.

The table below shows labor and benefits for the operations and capital budgets. Total labor and benefits are projected to increase 9.1 percent in FY 2026, and 4.5 percent in FY 2027.

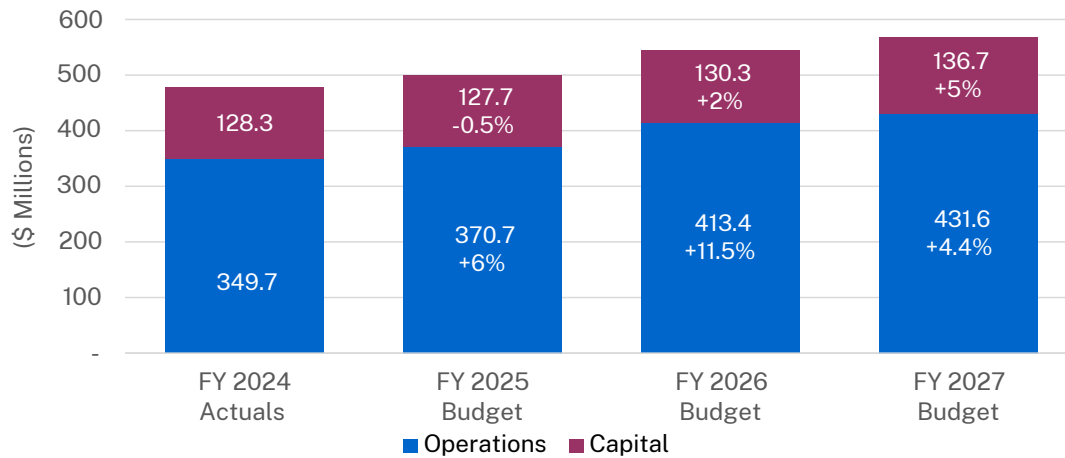
- Total labor and benefits budget attributable to operations is 76.0 percent.
- Benefits represent 40.3 percent of the total labor budget.

*District-Wide Labor and Benefit Costs for Operations and Capital*

|                                   | Labor and Benefit Costs (\$ Millions) |                   |                   |              |                   |             |
|-----------------------------------|---------------------------------------|-------------------|-------------------|--------------|-------------------|-------------|
|                                   | FY 2024<br>Actuals                    | FY 2025<br>Budget | FY 2026<br>Budget | % Change     | FY 2027<br>Budget | % Change    |
| <b>Water</b>                      |                                       |                   |                   |              |                   |             |
| Operations                        | 292.8                                 | 313.1             | 348.0             | 11.2%        | 363.3             | 4.4%        |
| Capital                           | 115.5                                 | 113.7             | 116.6             | 2.5%         | 122.3             | 4.9%        |
| <b>Subtotal Water</b>             | <b>408.3</b>                          | <b>426.8</b>      | <b>464.6</b>      | <b>8.9%</b>  | <b>485.7</b>      | <b>4.5%</b> |
| <b>Wastewater</b>                 |                                       |                   |                   |              |                   |             |
| Operations                        | 56.9                                  | 57.6              | 65.4              | 13.5%        | 68.2              | 4.4%        |
| Capital                           | 12.8                                  | 14.0              | 13.7              | -2.2%        | 14.4              | 5.0%        |
| <b>Subtotal Wastewater</b>        | <b>69.8</b>                           | <b>71.6</b>       | <b>79.1</b>       | <b>10.5%</b> | <b>82.6</b>       | <b>4.5%</b> |
| <b>Total District-Wide</b>        |                                       |                   |                   |              |                   |             |
| Operations                        | 349.7                                 | 370.7             | 413.4             | 11.5%        | 431.6             | 4.4%        |
| Capital                           | 128.3                                 | 127.7             | 130.3             | 2.0%         | 136.7             | 5.0%        |
| <b>Total District Labor Costs</b> | <b>478.1</b>                          | <b>498.4</b>      | <b>543.7</b>      | <b>9.1%</b>  | <b>568.3</b>      | <b>4.5%</b> |

Increases in labor and benefit costs are primarily attributable to increases to salaries and wages due to existing Board-approved labor agreements, as well as increased benefit costs, which are primarily driven by large increases in the costs for Kaiser Health Insurance, which many employees select as their health plan. Additional factors include funding additional FTEs and expected increases in other benefit costs.

These increases are offset by drivers such as overall lower salaries in comparison to the prior biennial budget due to new employees with salaries lower than the higher-tenure employees they replaced, and savings due to the time required to fill positions.

*District-Wide Labor and Benefit Costs by Operations and Capital***Benefit Costs**

Several complex drivers impact benefit costs, such as a projected rise in benefits costs for retirement and health care insurance. The budget continues to build on efforts to contain benefit costs, the largest of which are the employer pension contribution and health care expenses. In 2012, pursuant to the California Public Employees' Pension Reform Act (PEPRA), the Board of Directors implemented a change in the District's Employee Retirement System, referred to as the 2013 Plan. Members of the 2013 Plan fund a greater share of the benefit themselves. Since 2012, the number of employees in the 2013 Plan has grown significantly, which somewhat moderates the increase in the District's pension costs, though costs for the 2013 Plan also continue to grow, along with costs associated with funding the unfunded liability portion of the pension plans.

*Staff Repair and Replace Water Mains*

The following table shows the different employer pension contribution rates since FY 2022. Most new employees are part of the 2013 Plan and all other employees participate in the 1955/1980 Plan. Approximately 63 percent of employees are part of the 2013 Plan as of February 5, 2025. The FY 2026 contribution rates were changed based on updated actuarial assumptions adopted by the Retirement System and an updated Actuarial Valuation. The actual FY 2027 rate will not be available until it is calculated by the actuary and adopted by the Retirement Board in 2026.

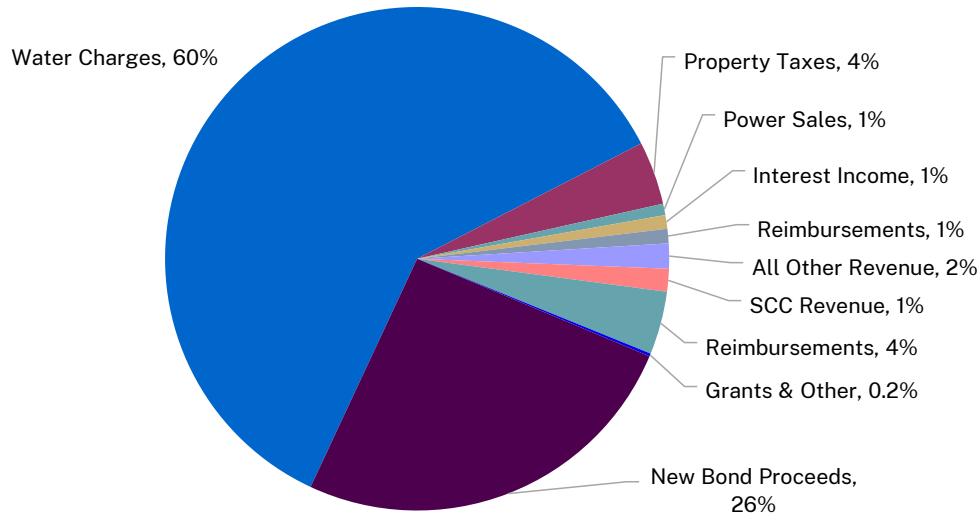
*Employer Contribution Rates to District's Retirement System Based on Plan*

| Employer Pension Contribution Rates |         |         |         |         |         |
|-------------------------------------|---------|---------|---------|---------|---------|
| Plan                                | FY 2022 | FY 2023 | FY 2024 | FY 2025 | FY 2026 |
| 1955/1980 Plans                     | 42.37%  | 47.16%  | 48.48%  | 49.02%  | 49.86%  |
| 2013 Plan                           | 33.32%  | 37.84%  | 39.21%  | 40.07%  | 40.15%  |

## Sources of Funds

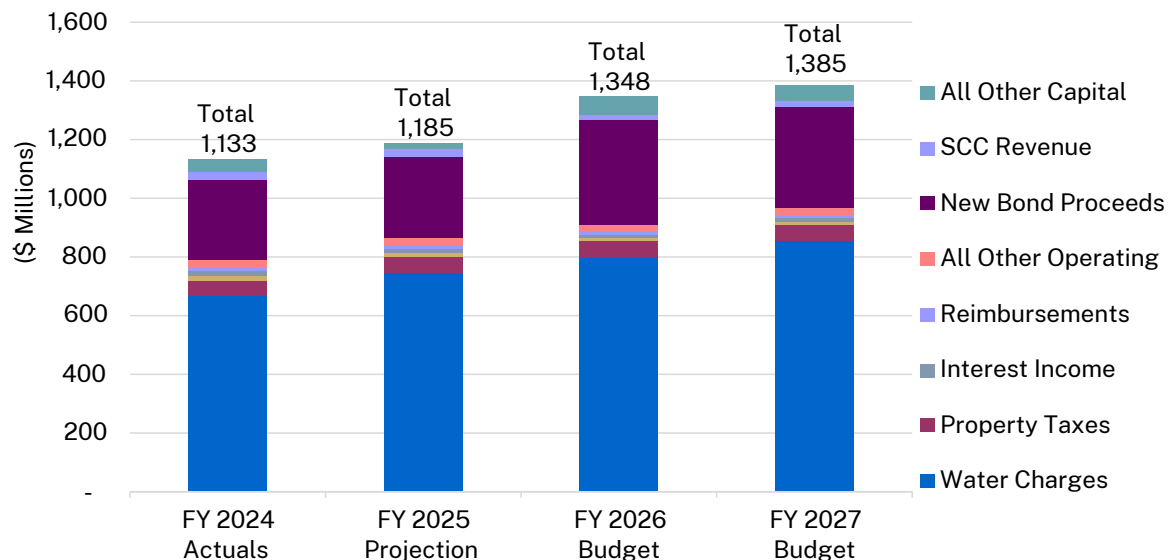
### WATER SYSTEM SOURCES OF FUNDS

*Percent of FY 2026 & FY 2027 Combined Water System Revenue from Major Sources*



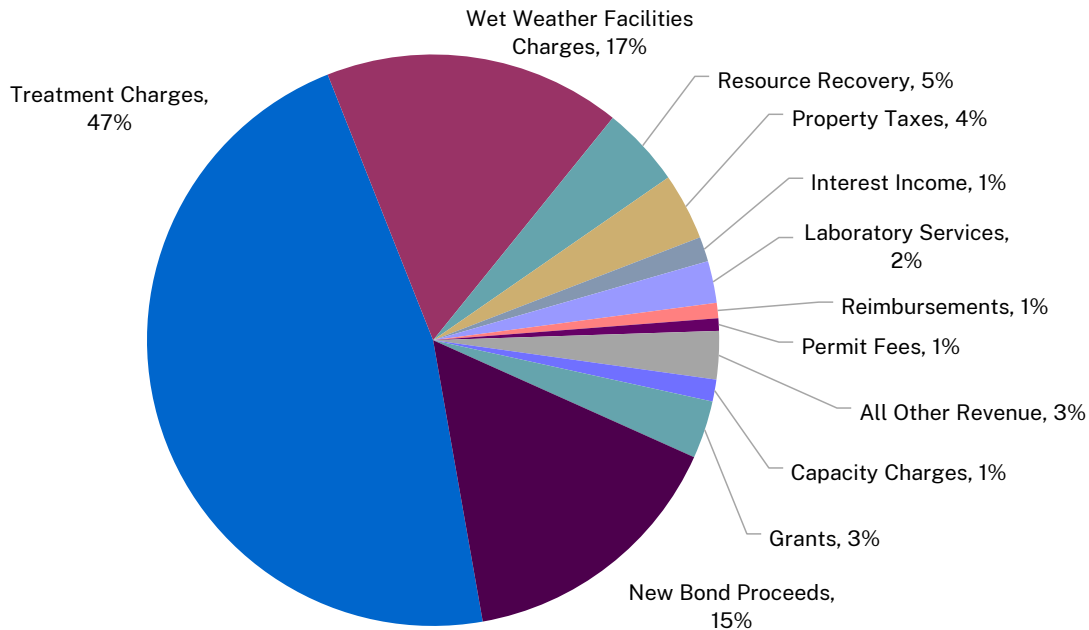
The principal source of Water System revenue is Water Charges which account for 60 percent of total sources of funds. The following graph shows the revenue trend from actual revenues in FY 2024 to budgeted revenues in FY 2027. For more detail on Water System revenues, see Chapter 4.

*Total Water System Revenues from FY 2024 to FY 2027*



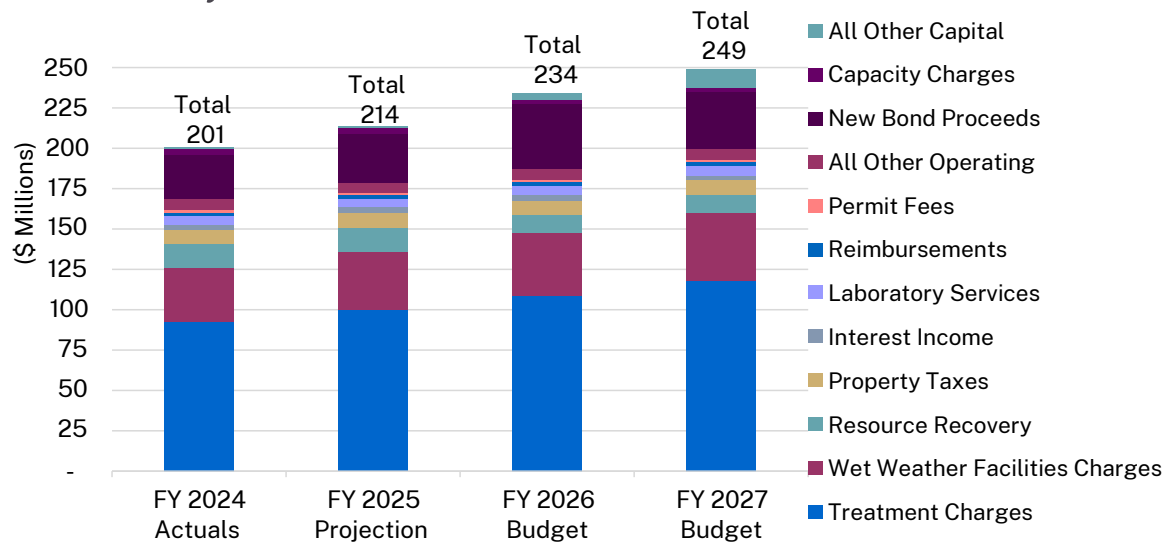
## WASTEWATER SYSTEM SOURCES OF FUNDS

*Percent of FY 2026 & FY 2027 Combined Wastewater System Revenue from Major Sources*



The principal source of Wastewater System revenue is Treatment Charges which account for 47 percent of all sources of funds. The Wastewater System is not as sensitive to changes in customer water use as the Water System since Treatment Charges are a smaller percentage of overall Wastewater revenue and because there is less variability in the water use used to calculate wastewater treatment charges than in water use overall. The following graph shows the revenue trend from actual revenues in FY 2024 to budgeted revenues in FY 2027. For more detail on wastewater revenues, see Chapter 5.

*Total Wastewater System Revenues from FY 2024 to FY 2027*



## Fund Summaries

The following summarizes the beginning and ending Water System and Wastewater System fund balances based on projected sources and use of funds.

### WATER SYSTEM

#### Water System Fund Summary

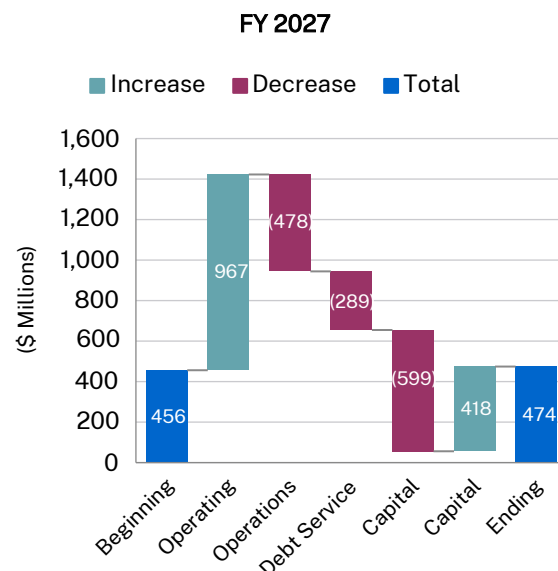
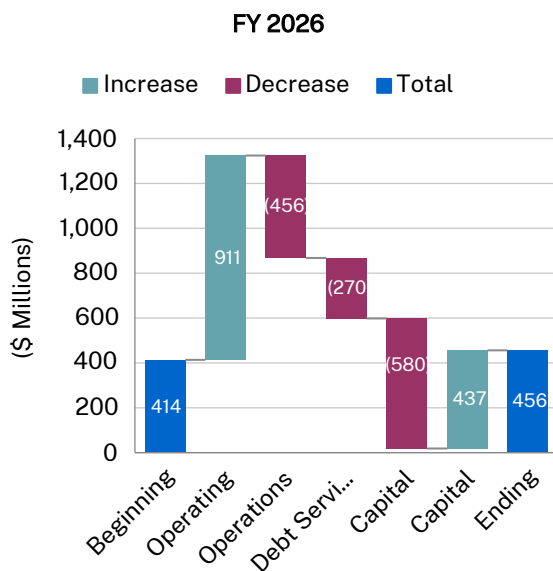
| Fund Summary (\$ Millions)           |                |                |
|--------------------------------------|----------------|----------------|
|                                      | FY 2026        | FY 2027        |
| <b>Beginning Balance (Projected)</b> | <b>413.7</b>   | <b>456.1</b>   |
| <b>Source of Funds</b>               |                |                |
| Operating                            | 910.6          | 966.6          |
| Capital**                            | 437.5          | 418.3          |
| <b>Total Sources of Funds</b>        | <b>1,348.0</b> | <b>1,384.9</b> |
| <b>Use of Funds</b>                  |                |                |
| Operations                           | 456.4          | 478.5          |
| Debt Service                         | 269.7          | 289.4          |
| Capital                              | 579.5          | 598.8          |
| <b>Total Uses of Funds</b>           | <b>1,305.7</b> | <b>1,366.7</b> |
| <b>Sources less Uses</b>             | <b>42.4</b>    | <b>18.2</b>    |
| <b>Ending Balance*</b>               | <b>456.1</b>   | <b>474.2</b>   |

\*Includes reserve set-asides.

\*\*Includes bonds, system capacity charges, reimbursements, and grants.

The following charts visualize the inflow and outflow of resources. The total columns represent the beginning and ending balances; the increase columns show revenues; and the decrease columns are expenses for operations, debt service, and capital.

#### Water System Sources and Uses of Funds (Waterfall Charts)



## WASTEWATER SYSTEM

## Wastewater System Fund Summary

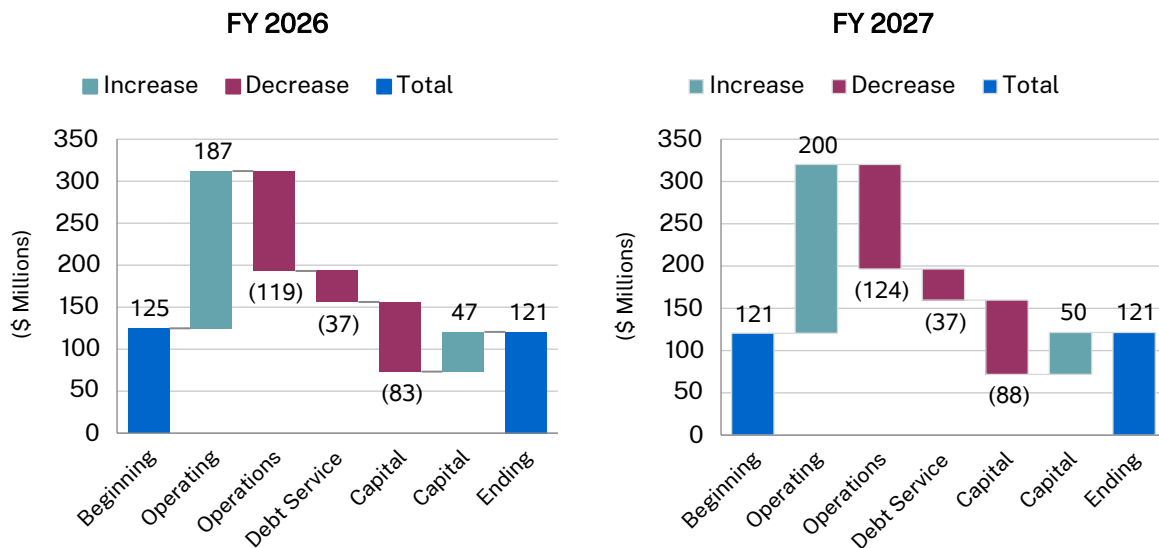
| Fund Summary (\$ Millions)           |              |              |
|--------------------------------------|--------------|--------------|
|                                      | FY 2026      | FY 2027      |
| <b>Beginning Balance (Projected)</b> | <b>124.8</b> | <b>120.5</b> |
| <b>Source of Funds</b>               |              |              |
| Operating                            | 187.2        | 199.6        |
| Capital**                            | 47.2         | 49.6         |
| <b>Total Sources of Funds</b>        | <b>234.5</b> | <b>249.2</b> |
| <b>Use of Funds</b>                  |              |              |
| Operations                           | 118.9        | 123.7        |
| Debt Service                         | 36.9         | 36.8         |
| Capital                              | 82.9         | 87.9         |
| <b>Total Uses of Funds</b>           | <b>238.8</b> | <b>248.3</b> |
| <b>Sources less Uses</b>             | <b>(4.3)</b> | <b>0.9</b>   |
| <b>Ending Balance*</b>               | <b>120.5</b> | <b>121.4</b> |

\*Includes reserve set-asides.

\*\*Includes bonds, capacity fees, and grants.

The following charts visualize the inflow and outflow of resources. The total columns represent the beginning and ending balances; the increase columns show revenues; and the decrease columns are expenses for operations, debt service, and capital.

## Wastewater System Sources and Uses of Funds (Waterfall Charts)



**EBMUD Fun Fact:**

There are 4,300 miles of total pipelines (water and wastewater) in EBMUD's system. That's enough to stretch from Oakland to Atlanta, Georgia and back.

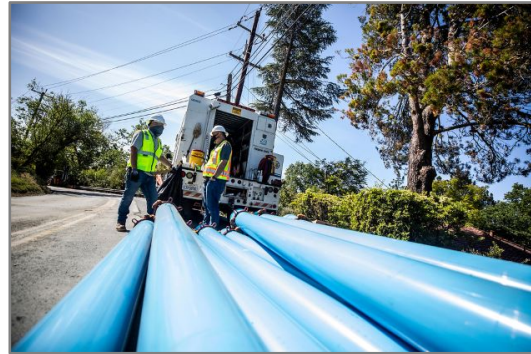


## Chapter 4: Water System

### Overview

This chapter provides a detailed discussion of the Water System, including:

- Fund Summary
- Sources of Funds
- Use of Funds
- Staffed Department Operations
- Debt Service and Financing
- The Capital Improvement Program (CIP)
- The 10-Year Financial Forecast



*Water System Staff Work to Deliver High-Quality Water to East Bay Homes and Businesses*

The Water System is an enterprise fund consisting of an operating and a capital budget. The Water System collects, transmits, and distributes water to communities within Alameda and Contra Costa counties. In addition, the Water System provides and charges the Wastewater System for administrative, financial, and other support services.

### KEY ASSUMPTIONS

The following are key projections and assumptions used in the FY 2026 and FY 2027 budget.

#### *Water System Key Assumptions*

| Key Assumptions                                       |          |          |
|---|----------|----------|
|   | FY 2026  | FY 2027  |
| <b>Water Sales Volume (MGD)</b>                       | 143.9    | 144.6    |
| <b>Average Rate Increase</b>                          | 6.50%    | 6.50%    |
| <b>Typical Monthly Single-Family Residential Bill</b> | \$ 66.32 | \$ 70.63 |

Typical bill based on 5 Units per month, or about 123 gallons per day.



*Mokelumne Watershed Snow*

## FUND SUMMARY

The following fund summary table shows the Water System beginning and ending fund balance, and projected revenue and expenditure budgets for FY 2026 and FY 2027.

*Water System Detailed Fund Summary – Sources & Uses*

| Detailed Fund Summary - Sources & Uses (\$ Millions) |                |                |              |
|--|----------------|----------------|--------------|
|  | FY 2026        | FY 2027        | % Change     |
| <b>Beginning Balance (Projected)</b>                 | <b>413.7</b>   | <b>456.1</b>   | <b>10.2%</b> |
| <b>Sources of Funds</b>                              |                |                |              |
| <b>Sources of Funds (Operating)</b>                  |                |                |              |
| Water Charges  | 798.9          | 854.0          | 6.9%         |
| Property Taxes                                       | 55.0           | 56.1           | 2.0%         |
| Power Sales  | 10.0           | 10.0           | 0.0%         |
| Interest Income                                      | 12.4           | 11.5           | -7.6%        |
| Reimbursements                                       | 12.5           | 12.9           | 2.8%         |
| All Other Revenue                                    | 21.8           | 22.2           | 1.8%         |
| <b>Subtotal Sources of Funds (Operating)</b>         | <b>910.6</b>   | <b>966.6</b>   | <b>6.2%</b>  |
| <b>Sources of Funds (Capital)</b>                    |                |                |              |
| New Bond Proceeds                                    | 355.0          | 345.0          | -2.8%        |
| SCC Revenue  | 20.0           | 20.0           | 0.0%         |
| Reimbursements                                       | 60.1           | 50.7           | -15.6%       |
| Grants & Other                                       | 2.4            | 2.6            | 8.4%         |
| <b>Subtotal Sources of Funds (Capital)</b>           | <b>437.5</b>   | <b>418.3</b>   | <b>-4.4%</b> |
| <b>Total Sources of Funds</b>                        | <b>1,348.0</b> | <b>1,384.9</b> | <b>2.7%</b>  |
| <b>Uses of Funds</b>                                 |                |                |              |
| <b>Use of Funds (Operating)</b>                      |                |                |              |
| Labor  | 348.0          | 363.3          | 4.4%         |
| Contract Services                                    | 33.5           | 33.8           | 1.0%         |
| Other  | 119.9          | 124.9          | 4.2%         |
| Contingency (Non-Labor)                              | 25.6           | 27.0           | 5.4%         |
| Debt Service   | 269.7          | 289.4          | 7.3%         |
| Capital Support                                      | (58.0)         | (58.0)         | 0.0%         |
| Intradistrict  | (12.5)         | (12.5)         | 0.0%         |
| <b>Subtotal Use of Funds (Operating)</b>             | <b>726.1</b>   | <b>767.9</b>   | <b>5.7%</b>  |
| <b>Use of Funds (Capital)</b>                        |                |                |              |
| Capital Cash Flows                                   | 521.5          | 540.8          | 3.7%         |
| Capital Support                                      | 58.0           | 58.0           | 0.0%         |
| <b>Subtotal Use of Funds (Capital)</b>               | <b>579.5</b>   | <b>598.8</b>   | <b>3.3%</b>  |
| <b>Total Uses of Funds</b>                           | <b>1,305.7</b> | <b>1,366.7</b> | <b>4.7%</b>  |
| Total Sources  | 1,348.0        | 1,384.9        | 2.7%         |
| Total Uses   | 1,305.7        | 1,366.7        | 4.7%         |
| <b>All Sources less Uses</b>                         | <b>42.4</b>    | <b>18.2</b>    | <b>--</b>    |
| <b>Ending Balance*</b>                               | <b>456.1</b>   | <b>474.2</b>   | <b>4.0%</b>  |

\*Includes all policy reserves and reserves for capital projects.

## Sources of Funds

### OVERVIEW

The Water System has a variety of revenue sources that are used to fund operations, and a portion of the capital expense. The remaining capital expense is funded primarily by new bond proceeds and reimbursements.

The table below shows actuals and budgets for operating revenues and capital funding sources.



*Recycled Water in Purple Pipes Provides an Important Source of Non-Potable Water*

#### Water System Detailed Revenue Summary

| Detailed Revenue Summary (\$ Millions) |              |                |                |                |                |
|--|--------------|----------------|----------------|----------------|----------------|
|  | Actuals      |                | Projection*    | Budget         |                |
|  | FY 2023      | FY 2024        | FY 2025        | FY 2026        | FY 2027        |
| <b>Operating Revenues</b>              |              |                |                |                |                |
| Water Charges                          | 603.6        | 667.1          | 747.3          | 798.9          | 854.0          |
| Property Taxes                         | 46.8         | 52.8           | 53.9           | 55.0           | 56.1           |
| Power Sales                            | 20.4         | 14.2           | 11.5           | 10.0           | 10.0           |
| Interest Income                        | 13.1         | 16.9           | 16.7           | 12.4           | 11.5           |
| Reimbursements                         | 14.0         | 13.2           | 12.2           | 12.5           | 12.9           |
| All Other Revenue                      | 26.7         | 25.2           | 24.1           | 21.8           | 22.2           |
| Drought Revenues**                     | 20.3         | -              | -              | -              | -              |
| <b>Total Operating Revenues</b>        | <b>744.9</b> | <b>789.5</b>   | <b>865.7</b>   | <b>910.6</b>   | <b>966.6</b>   |
| <b>Capital Funding Sources</b>         |              |                |                |                |                |
| New Bond Proceeds                      | -            | 275.0          | 275.0          | 355.0          | 345.0          |
| SCC Revenue                            | 42.9         | 25.9           | 27.5           | 20.0           | 20.0           |
| Reimbursements                         | 14.3         | 36.6           | 15.5           | 60.1           | 50.7           |
| Grants & Other                         | 2.2          | 5.9            | 1.6            | 2.4            | 2.6            |
| <b>Total Capital Funding Sources</b>   | <b>59.4</b>  | <b>343.4</b>   | <b>319.6</b>   | <b>437.5</b>   | <b>418.3</b>   |
| <b>Total Funding Sources</b>           | <b>804.3</b> | <b>1,132.9</b> | <b>1,185.3</b> | <b>1,348.0</b> | <b>1,384.9</b> |

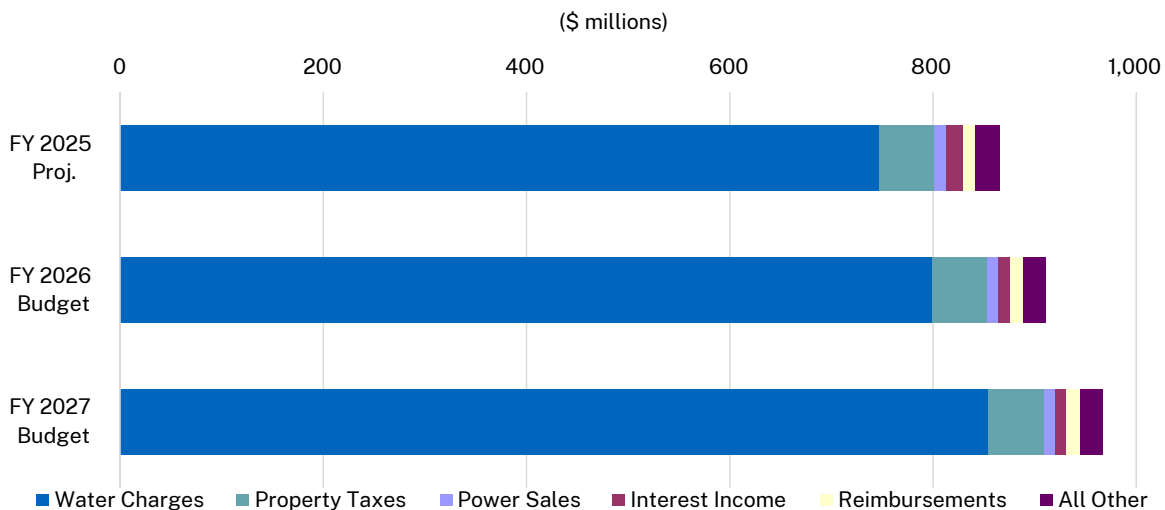
\*Based on first six months of the fiscal year and updated as of March 1, 2025.

\*\*Only during declared droughts.

## OPERATING REVENUE SOURCES

Water System operating revenues for FY 2026 are budgeted to increase \$44.9 million, or 5.2 percent compared to year-end projections for FY 2025, for total revenue of \$910.6 million. In FY 2027, operating revenue is budgeted at \$966.6 million, an increase of \$56.0 million or 6.2 percent. The figure below illustrates the various sources of operating revenue.

*Water System Operating Revenue Sources*



The following are descriptions of the sources of operating revenue, including information about the projected revenues for FY 2026 and FY 2027.

### Water Charges

In FY 2026, growth in Water Charges are primarily driven by an average rate increase of 6.5 percent. FY 2026 water sales are increasing slightly to 143.9 million gallons per day (MGD) compared to the FY 2025 year-end projection of 143.2 MGD.

In FY 2027, water charges are budgeted to increase by \$55.1 million, also increasing primarily due to the average rate increase of 6.5 percent. FY 2027 water sales are expected to increase by 0.7 MGD to 144.6 MGD, contributing to a smaller percent of the overall growth.

### Property Taxes

The District receives approximately 1.25 percent of the 1.0 percent county tax levy on properties within District boundaries. For FY 2026 and FY 2027, budgeted property tax revenue of \$55.0 million and \$56.1 million, respectively, are based upon FY 2024 actual property tax receipts.

### Power Sales

The District operates hydroelectric power generation facilities at the Pardee and Camanche Dams. Assuming average precipitation, earnings are projected at \$10.0 million in FY 2026 and \$10.0 million in FY 2027. Wholesale power prices and precipitation have both been volatile over the prior few years, leading to greater uncertainty in this revenue source.

**Interest Income**

Funds not needed for current expenditures are placed in investments in accordance with the District's investment policy. Interest earned on these funds is expected to be \$12.4 million in FY 2026 and \$11.5 million in FY 2027. This is lower than prior years as the current expectation is that yields on the District's investments will decline slightly over the next two years.

**Reimbursements**

The Water System receives reimbursement for services provided to other agencies and from the Wastewater System for administrative costs, space rental in the Administration Building, and for providing billing and collection services. The Water System also receives reimbursements from several cities for providing billing and collection services for the cities' sewer charges. Reimbursements are projected to be \$12.5 million in FY 2026 and \$12.9 million in FY 2027.

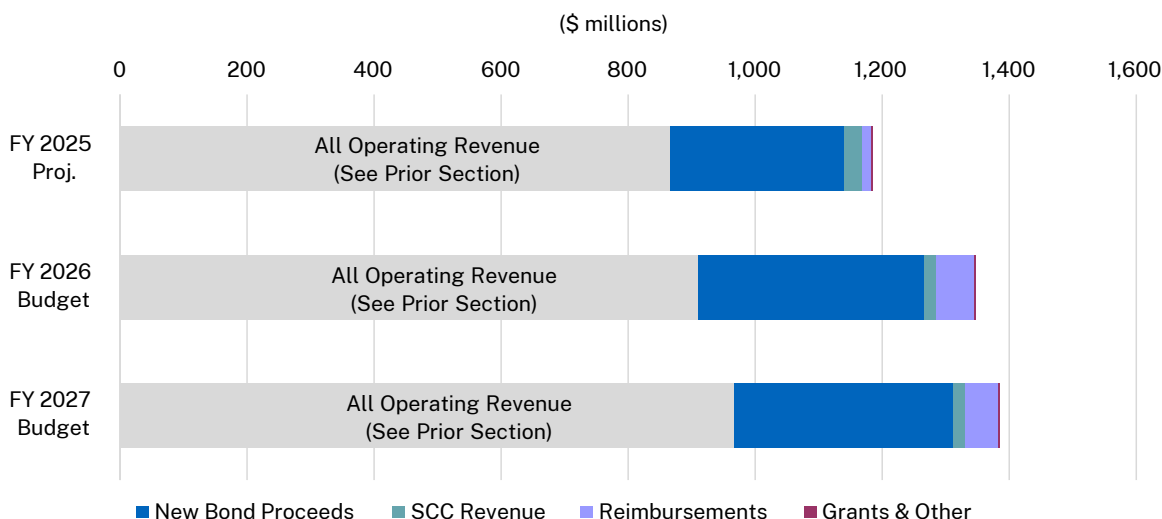
**All Other Revenue**

All Other Revenue includes, most notably, the Build America Bond subsidy payments, which in recent years have been subject to sequestration. Additional sources include receipts from the sale or rental of District properties, fees for use of District recreational lands and facilities, insurance and property damage reimbursements, sales of surplus District equipment and vehicles, reimbursement of operating expenses from the Richmond Advanced Recycled Expansion (RARE) project, and other miscellaneous revenues. All Other Revenue is projected to be \$21.8 million in FY 2026 and \$22.2 million in FY 2027.

## CAPITAL FUNDING SOURCES

Capital sources of funding are dedicated to paying for capital expenses as well as, in the case of System Capacity Charges (SCCs), debt service for past capital projects. The primary component of capital funding are new bond proceeds. These funds are not the exclusive way to fund the capital program, however, as all operating revenues above the amount required to pay for operating and debt service expenses can be used to pay for the CIP.

### *Water System Capital Funding Sources*



The following describe the sources of capital funding.

### **New Bond Proceeds**

It is anticipated that the District will receive \$355 million in new revenue bond proceeds in FY 2026 and \$345 million in FY 2027. The District has the ability to issue long-term bonds to fund its capital program. The proceeds of the bond sales can be used to pay for prior or future capital expenses. In recent years, the District has issued bonds on a reimbursement basis, paying for capital expenses already paid using capital reserves. The bonds then generally provide additional funding for capital reserves, which can support the ongoing capital program. Bonds are generally amortized, or repaid, over 30 years and payments are made from total Water System revenues based on the bond indenture. Please refer to the section on Debt Service and Financing for details on debt funding of capital projects.

### **System Capacity Charges (SCC) Revenue**

SCCs are collected from customers requesting new water service and are designed to recover costs of facilities necessary to serve new customers. These costs include: distribution and treatment facilities; facilities that serve the system as a whole, such as Pardee and Camanche Reservoirs; terminal storage reservoirs; administrative facilities; and a portion of the costs of accessing supplemental water supply. The purpose of the SCC is to assure that new customers pay for their share of the existing water system facilities and supply.

SCC revenue is projected to be \$20.0 million in FY 2026 and \$20.0 million in FY 2027. Although SCC revenue has exceeded expectations over the past few years, SCC revenues have fallen recently as development activity has slowed, driven in part by the high interest-rate environment. This revenue

source continues to be conservatively projected due to these economic conditions, which may prolong the slowdown in building activity.

**Reimbursements**

Some capital projects are performed at the request of other agencies, and the District is reimbursed for its expenses. An example would be the relocation of a water main at the request of a city or state agency. Also, work to expand the distribution system to meet new connections not covered by the System Capacity Charge is paid for directly by the applicants.

**Grants and Other**

The District pursues federal and state grants to fund some of its capital projects when they meet the conditions of the District's grants program. The District has been investing additional resources to seek and apply for more grants than it has previously, however grants fitting the District's mission have been somewhat limited. Other sources under this category include interest earnings on capital reserves.



## Use of Funds

### OVERVIEW

The Water System has three types of expenditures:

- **Operations** – the annual costs of providing all water services;
- **Debt Service** – the repayment of bonds for making capital investments in the water system along with other debt-related expenses; and
- **Capital Cash Flow** – the annual costs of the CIP for long-term projects.

The following table shows the breakdown of expenses by the type of expenditure.

*Water System Use of Funds FY 2023 to FY 2027*

| Use of Funds (\$ Millions) |              |                |                |                |                |
|----------------------------|--------------|----------------|----------------|----------------|----------------|
|                            | Actuals      |                | Projection*    | Budget         |                |
|                            | FY 2023      | FY 2024        | FY 2025        | FY 2026        | FY 2027        |
| Operations (Baseline)      | 319.3        | 348.3          | 399.1          | 456.4          | 478.5          |
| Operations (Drought)**     | 22.5         | -              | -              | -              | -              |
| Debt Service               | 233.8        | 233.5          | 253.5          | 269.7          | 289.4          |
| Capital Cash Flow          | 414.0        | 525.5          | 544.2          | 579.5          | 598.8          |
| <b>Total Expenses</b>      | <b>989.5</b> | <b>1,107.4</b> | <b>1,196.7</b> | <b>1,305.7</b> | <b>1,366.7</b> |

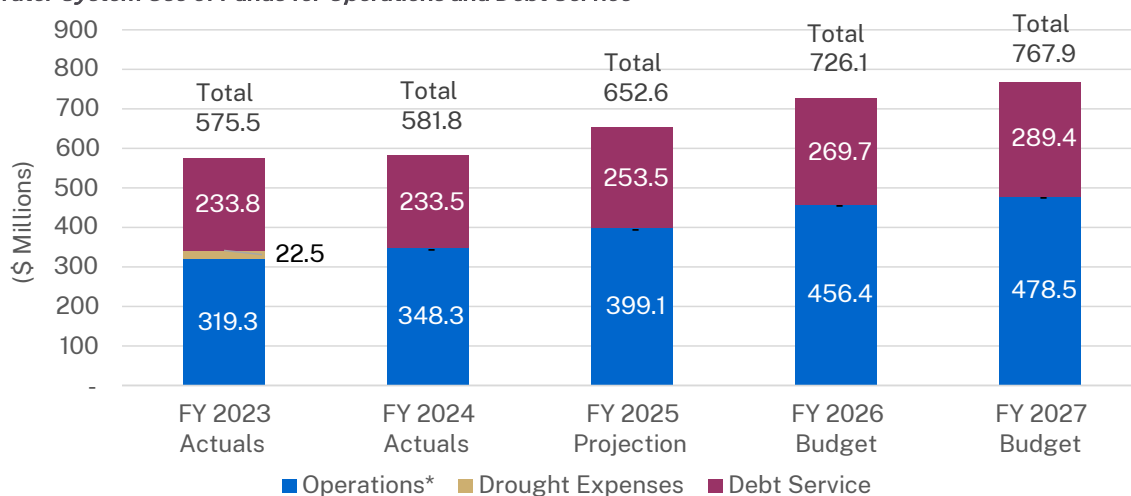
\*Projection is based on the first six months of the year, adjusted as of March 1, 2025.

\*\*Only in years with a declared drought.

This section describes the major components of the Water System operating budget. Typical operations expenditures include, but are not limited to labor, benefits, chemicals, energy, parts, materials, insurance, District vehicle fleet costs, and computer hardware and software.

In FY 2026, the operations and debt service budget, excluding drought expenses, is increasing \$73.6 million or 11.3 percent compared to FY 2025 projected actual expenses, and in FY 2027 will increase \$41.7 million or 5.7 percent compared to the first year of the biennial budget.

*Water System Use of Funds for Operations and Debt Service*



\*Excludes drought expenses.



## DEPARTMENT OPERATING BUDGETS

The Water System operations budget is comprised of various departments. The majority of these departments are referred to as staffed departments indicating employees are assigned to work in these areas. The staffed department budget funds the day-to-day operations of the District, and includes funding for labor, benefits, outside contract services, and other non-labor expenses such as electricity, chemicals, fuel, software, self-insured liability claims, and workers compensation claims. A description of each staffed department is included later in this chapter.

A small number of departments do not have personnel assigned to them and are referred to as non-staffed departments, described as follows:

- **Contingency** – Funds are budgeted each fiscal year to cover projected labor-related expenses such as Pay for Performance. The contingency budget also includes funding for unanticipated needs which may arise before the next budget cycle.
- **Intradistrict** – Certain internal service accounts are included in balance sheets to assure that internal expenses are not counted twice within the operations budget. Examples of these accounts include warehouse stores overhead and fleet vehicle expenses.
- **Capital Support** – Costs that are not directly attributable to specific capital projects, but indirectly support the CIP. Capital support costs in the operations budget are reallocated to the capital budget and will decrease operating expenses by a like amount.

The following table presents the total FY 2026 and FY 2027 Water System operating budget by department.

*Water System Staffed and Non-Staffed Department Operating Budgets*

| Operating Budget by Department (\$ Millions) |                    |                    |                       |                   |              |                   |             |
|--|--------------------|--------------------|-----------------------|-------------------|--------------|-------------------|-------------|
| Departments                                  | FY 2023<br>Actuals | FY 2024<br>Actuals | FY 2025<br>Projected* | FY 2026<br>Budget | % Change     | FY 2027<br>Budget | % Change    |
| Administration                               | -                  | -                  | -                     | -                 |              | -                 |             |
| Customer & Community Svcs.                   | 23.2               | 25.7               | 29.5                  | 31.4              | 6.3%         | 32.9              | 4.7%        |
| Engineering & Construction                   | 21.4               | 24.0               | 26.2                  | 32.3              | 23.3%        | 33.7              | 4.5%        |
| Finance                                      | 31.4               | 35.4               | 41.6                  | 27.5              | -34.0%       | 28.3              | 2.9%        |
| Human Resources                              | 11.2               | 12.7               | 14.5                  | 14.5              | -0.3%        | 15.1              | 4.2%        |
| Information Systems                          | 32.8               | 36.6               | 40.4                  | 43.0              | 6.6%         | 44.1              | 2.4%        |
| Maintenance & Construction                   | 86.4               | 89.9               | 89.7                  | 107.8             | 20.3%        | 111.8             | 3.7%        |
| Natural Resources                            | 19.4               | 19.1               | 23.1                  | 23.9              | 3.2%         | 24.5              | 2.8%        |
| Office of the General Counsel                | 5.2                | 5.7                | 6.0                   | 6.8               | 13.4%        | 7.1               | 3.6%        |
| Office of the General Manager                | 14.7               | 17.5               | 21.1                  | 21.4              | 1.6%         | 23.7              | 10.7%       |
| Operations & Maintenance Sup.                | 25.2               | 27.9               | 29.6                  | 36.4              | 22.9%        | 38.1              | 4.6%        |
| Water Operations                             | 105.3              | 116.5              | 126.1                 | 130.8             | 3.8%         | 136.3             | 4.1%        |
| Water Recycling Program                      | 6.6                | 7.3                | 7.9                   | 8.2               | 3.3%         | 8.5               | 4.1%        |
| Water Resources                              | 10.5               | 11.1               | 13.3                  | 14.8              | 11.3%        | 15.4              | 4.2%        |
| <b>Staffed Departments Subtotal</b>          | <b>393.4</b>       | <b>429.6</b>       | <b>469.0</b>          | <b>498.8</b>      | <b>6.3%</b>  | <b>519.4</b>      | <b>4.1%</b> |
| Contingency                                  | -                  | -                  | 10.0                  | 28.1              | 181.5%       | 29.6              | 5.2%        |
| Intradistrict                                | (16.4)             | (16.2)             | (14.5)                | (12.5)            | -14.0%       | (12.5)            | 0.0%        |
| Capital Support                              | (57.7)             | (65.0)             | (65.4)                | (58.0)            | -11.3%       | (58.0)            | 0.0%        |
| <b>Total Operations</b>                      | <b>319.3</b>       | <b>348.3</b>       | <b>399.1</b>          | <b>456.4</b>      | <b>14.4%</b> | <b>478.5</b>      | <b>4.8%</b> |
| Debt Service                                 | 233.8              | 233.5              | 253.5                 | 269.7             | 6.4%         | 289.4             | 7.3%        |
| <b>Total Operating (Excluding Drought)</b>   | <b>553.1</b>       | <b>581.8</b>       | <b>652.6</b>          | <b>726.1</b>      | <b>11.3%</b> | <b>767.9</b>      | <b>5.7%</b> |

\*Projection is based on the first six months of the year.

## DEPARTMENT OPERATING EXPENSE HIGHLIGHTS

The Water System comprises 14 staffed departments that perform and provide operations, and also support functions for the Wastewater System. This section details the various departments including their labor and non-labor budgets, department goals, and staffing.

The table below is a summary of the Water System staffed departments' budgets, which excludes the capital support overhead allocated from operations to capital. It also excludes the Drought Department as this department is only staffed during declared droughts and at the direction of the Board. There are no planned expenditures for the Drought Department during FY 2026 and FY 2027.

### *All Water System Staffed Departments Operating Budget Details*

#### Staffed Departments Operating Budget Detail and Historical Comparison (\$ Millions)

| Category                                | FY 2023      | FY 2024      | FY 2025      | FY 2026      |             | FY 2027      |             |
|---|--------------|--------------|--------------|--------------|-------------|--------------|-------------|
|   | Actuals      | Actuals      | Budget       | Budget       | % Change    | Budget       | % Change    |
| Total Labor and Benefits                | 369.7        | 408.3        | 424.2        | 462.0        | 8.9%        | 483.0        | 4.5%        |
| <i>Less: Capital Labor and Benefits</i> | 104.9        | 115.5        | 113.7        | 116.6        | 2.5%        | 122.3        | 4.9%        |
| Operating Labor and Benefits            | 264.8        | 292.8        | 310.5        | 345.5        | 11.3%       | 360.7        | 4.4%        |
| Contract Services                       | 19.1         | 20.4         | 25.7         | 33.5         | 30.3%       | 33.8         | 1.0%        |
| Other Costs                             | 132.0        | 116.4        | 128.0        | 119.9        | -6.3%       | 124.9        | 4.2%        |
| <b>Operating Total</b>                  | <b>415.9</b> | <b>429.6</b> | <b>464.2</b> | <b>498.8</b> | <b>7.5%</b> | <b>519.4</b> | <b>4.1%</b> |

### Labor and Benefits

Operating labor and benefits costs are allocated to staffed departments. Included in the labor budget are various assumptions, including cost-of-living adjustments, eligibility for promotions, turnover rates, the lead time to fill vacancies, and future benefit costs. Departments' labor and benefits budget are shown later in this chapter.

Total labor and benefit costs are expected to grow \$37.8 million, or 8.9 percent, compared to FY 2025. The growth in labor and benefit costs in FY 2026 is driven by several factors, including:

- Staff increases due to investments in several key areas, discussed throughout this chapter;
- Increased wages and benefits, driven by existing Board-approved labor agreements; and
- Increased health insurance costs, driven primarily by increases in premiums for Kaiser Health Insurance.

These increases are offset, in part, by an increasing number and relative size of participants in the District's 2013 Plan for retirement, which has a lower employer contribution rate than the 1980 plan.

In FY 2027, total labor and benefit costs increase \$21.0 million, or 4.5 percent compared to FY 2026, primarily for scheduled step increases and assumptions for cost-of-living adjustments. Additionally, there are two additional positions in FY 2027.

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**Non-Labor**

In FY 2026, staffed department non-labor costs are budgeted to decrease by \$0.3 million, or 0.2 percent compared to the prior fiscal year's adopted budget. Changes include:

- \$13.1 million decrease (100 percent decrease) that is due to moving insurance premiums and fees, workers' compensation claims, self-insured liability claims, and 415(m) supplemental benefit costs out of the Finance and Human Resources departments' budget and into the Contingency Department, which is not a staffed department. This change was made to improve tracking and accountability for these two departments' budgets, separating out costs that are not within each departments' control and represent system-wide expenses.
- \$1.9 million decrease (14 percent decrease) for chemicals compared to the FY 2025 budget. This is expected to be a more accurate projection of chemical costs as compared to prior budgets as the growth in chemical costs has slowed though it remains a significant expense.
- \$1.3 million decrease (6 percent decrease) for energy costs compared to the FY 2025 budget. Similar to chemicals, energy cost growth is expected to slow modestly so the budget has been sized closer to past actual expenses.
- \$3.9 million increase (62 percent increase) for security contracts as compared to the FY 2025 budget. A new contract and an increased need for security has driven costs significantly higher.
- \$2.2 million increase (24 percent increase) for computer software and related consultant services, due to continued investments in cloud-computing resources and transitioning away from internally built and serviced software.
- \$1.5 million increase (36 percent increase) in the operating budget for water conservation work. Instead of a net increase in the total budget, however, this represents a shift from the capital budget to the operating budget, as most water conservation work will now be budgeted as operating expenses.

In FY 2027, staffed department non-labor costs are budgeted to increase \$5.4 million or 3.5 percent compared to FY 2026. The major drivers accounting for the increase include:

- \$1.5 million increase (5 percent increase) in energy and chemical costs as compared to the FY 2026 budget, driven by expected cost increases due to inflation.
- \$1.25 million increase for election-related costs in FY 2027 as compared to no budget for this in FY 2026 because of the every-other-year schedule for elections. The next election for Board members is expected in November 2026, which falls within FY 2027.
- \$2.3 million increase (4 percent increase) for a range of major expense accounts that are growing slightly faster than expected inflation. The accounts contributing to this increase include: mailing costs; vehicle use charges, which pay for internal costs associated with maintaining and replacing vehicles; computer software; security contracts; District laboratory services; disbursements to outside agencies; and petroleum, oil, and lubricants.

## DEPARTMENT OPERATING EXPENSES BY BUDGET CATEGORY

The table below depicts the Water System staffed departments operations budget by expense category. It excludes capital labor which is shown by department later in this chapter.

### Water System Staffed Department Operating Expenses by Budget Category

| Staffed Department Operations by Category (\$ Millions) |              |             |              |              |              |             |              |              |
|---|--------------|-------------|--------------|--------------|--------------|-------------|--------------|--------------|
| Departments   | FY 2026      |             |              |              | FY 2027      |             |              |              |
|   | Labor        | Contracts   | Other        | Total        | Labor        | Contracts   | Other        | Total        |
| Administration  | -            | -           | -            | -            | -            | -           | -            | -            |
| Customer & Community Services                           | 25.3         | 1.0         | 5.1          | 31.4         | 26.6         | 0.8         | 5.4          | 32.9         |
| Engineering & Construction                              | 29.1         | 0.3         | 2.9          | 32.3         | 30.4         | 0.3         | 3.1          | 33.7         |
| Finance   | 23.7         | 1.5         | 2.3          | 27.5         | 24.7         | 1.6         | 1.9          | 28.3         |
| Human Resources   | 12.5         | 1.5         | 0.5          | 14.5         | 13.0         | 1.6         | 0.5          | 15.1         |
| Information Systems                                     | 28.9         | 3.8         | 10.4         | 43.0         | 30.1         | 3.5         | 10.5         | 44.1         |
| Maintenance & Construction                              | 80.1         | 2.0         | 25.7         | 107.8        | 83.8         | 2.0         | 26.0         | 111.8        |
| Natural Resources                                       | 15.0         | 3.9         | 5.0          | 23.9         | 15.6         | 4.0         | 4.9          | 24.5         |
| Office of the General Counsel                           | 5.8          | 0.8         | 0.3          | 6.8          | 6.0          | 0.8         | 0.3          | 7.1          |
| Office of the General Manager                           | 17.1         | 2.0         | 2.3          | 21.4         | 17.9         | 1.9         | 3.9          | 23.7         |
| Operations & Maintenance Sup.                           | 17.6         | 9.2         | 9.6          | 36.4         | 18.3         | 9.5         | 10.3         | 38.1         |
| Water Operations  | 78.0         | 6.7         | 46.1         | 130.8        | 81.3         | 7.0         | 48.0         | 136.3        |
| Water Recycling Program                                 | 2.7          | 0.2         | 5.3          | 8.2          | 2.8          | 0.2         | 5.5          | 8.5          |
| Water Resources   | 9.8          | 0.7         | 4.3          | 14.8         | 10.2         | 0.7         | 4.6          | 15.4         |
| <b>Total</b>  | <b>345.5</b> | <b>33.5</b> | <b>119.9</b> | <b>498.8</b> | <b>360.7</b> | <b>33.8</b> | <b>124.9</b> | <b>519.4</b> |

## STAFFED DEPARTMENT OPERATIONS

This section describes the staffed departments and includes the following topics:

- **Overview** provides an overall statement about the key responsibilities of the department within the larger mission of the District.
- **Description of Services Provided** describes the responsibilities of the department, including services required to meet regulatory or legal requirements.
- **FY 2026 and FY 2027 Goals** highlight the highest priority tasks or projects related to the budget and the District Strategic Plan.
- **Department Budget Summary** shows the Department's operating budget expenditures by category (Labor and Benefits, Contract Services, Other Costs). It also includes capital labor.
- **Budget Highlights** shows changes in costs relative to the previous fiscal year and describes reasons for those changes. This section focuses on the significant budget changes.
- **Staffing Summary** shows the Full-Time Equivalency (FTE) for the department by appointment type (full-time, part-time, etc.).
- **Staffing Changes** is included only if the department has position changes that require Board approval. The table details the position changes, and provides a change in cost, which is an estimate based on typical salaries and benefit costs for the classification.

## Water System Departments

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**ADMINISTRATION DEPARTMENT****Overview**

The Administration Department (ADM) is currently inactive, and its functions are conducted by the Customer and Community Services and Human Resources departments. Because it still contains one position, the Director of Administration, the department remains active. There are no plans to fill the Director of Administration role, so there is no budget provided for the position.

**Description of Services Provided**

The department does not have any functions or budget in FY 2026 or FY 2027.

**FY 2026 and FY 2027 Goals**

The department does not have any Strategic Plan goals in FY 2026 or FY 2027.

**Department Budget Summary**

As shown below, the Department has no budget.

*Administration Department Operating Budget Detail***Department Operating Budget Detail and Historical Comparison (\$ Thousands)**

| Category                                | FY 2023  | FY 2024  | FY 2025  | FY 2026  |             | FY 2027  |             |
|---|----------|----------|----------|----------|-------------|----------|-------------|
|   | Actuals  | Actuals  | Budget   | Budget   | % Change    | Budget   | % Change    |
| Total Labor and Benefits                | -        | -        | -        | -        | 0.0%        | -        | 0.0%        |
| <i>Less: Capital Labor and Benefits</i> | -        | -        | -        | -        | 0.0%        | -        | 0.0%        |
| Operating Labor and Benefits            | -        | -        | -        | -        | 0.0%        | -        | 0.0%        |
| Contract Services                       | -        | -        | -        | -        | 0.0%        | -        | 0.0%        |
| Other Costs                             | -        | -        | -        | -        | 0.0%        | -        | 0.0%        |
| <b>Operating Total</b>                  | <b>-</b> | <b>-</b> | <b>-</b> | <b>-</b> | <b>0.0%</b> | <b>-</b> | <b>0.0%</b> |

**Budget Highlights**

The department has no budget.

**Staffing Summary**

The table below summarizes the department's staffing. There are no changes.

*Administration Department Staffing Summary***Department Staffing Summary and Comparison (FTE)**

| Position Type               | FY 2023     | FY 2024     | FY 2025     | FY 2026     | Change   | FY 2027     | Change   |
|-----------------------------|-------------|-------------|-------------|-------------|----------|-------------|----------|
| Full-Time                   | 1.00        | 1.00        | 1.00        | 1.00        | -        | 1.00        | -        |
| Limited-Term / Temp. Const. | -           | -           | -           | -           | -        | -           | -        |
| Intermittent                | -           | -           | -           | -           | -        | -           | -        |
| Temporary / Part-Time       | -           | -           | -           | -           | -        | -           | -        |
| <b>Total FTE</b>            | <b>1.00</b> | <b>1.00</b> | <b>1.00</b> | <b>1.00</b> | <b>-</b> | <b>1.00</b> | <b>-</b> |



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**CUSTOMER AND COMMUNITY SERVICES DEPARTMENT****Overview**

The Customer and Community Services Department (CUS) provides quality, responsive customer service using efficient business practices technology, value-added programs and services to District customers and stakeholders guided by fairness, consistency, efficiency, high standards of professionalism, and fiscal responsibility.

**Description of Services Provided**

The department includes the Contact Center, Customer Services Support, Field Services, New Business Office, Real Estate Services, and Water Conservation divisions. These divisions interface directly with external customers and internal stakeholders to support service inquiries; billing and collection; payment processing and mailing services; field service requests; and other customer programs and services; Customer Information System administration and maintenance; water conservation services; new service and development requests; and property management and land acquisitions.

**FY 2026 and FY 2027 Goals**

The department is primarily responsible for the Customer and Community Services Strategic Plan goal. Key department goals include:

- Building trust through our commitment to customers, timely resolution of customer and community inquiries and provide responsive and quality service to meet or exceed customer expectations;
- Continuing to support the District's most vulnerable customers to improve affordability through new and existing Customer Support Program initiatives funded through non-rate revenue;
- Enhancing multi-channel customer support to provide greater convenience to customers and improve the digital experience;
- Improving the applicant project process to align project delivery timelines to meet the expectation of developers;
- Continuing the implementation of the District's Water Conservation Strategic Plan to meet the District's long-term water supply goals and aligning water conservation targets with the State's Long Term Framework objectives. Continue to lock-in water efficiency gains and savings by promoting water conservation to all customer sectors, and community and business partners;
- Advancing sustainable programs and services that support or benefit the community and customers; and
- Leveraging the District's land assets and implementing a long-term real estate utilization plan to enhance business operations and increase non-rate revenue.

**Department Budget Summary**

The department's projected spending is compared to prior years in the table below.

*Customer and Community Services Department Operating Budget Detail***Department Operating Budget Detail and Historical Comparison (\$ Thousands)**

| Category                         | FY 2023       | FY 2024       | FY 2025       | FY 2026       |             | FY 2027       |             |
|----------------------------------|---------------|---------------|---------------|---------------|-------------|---------------|-------------|
|                                  | Actuals       | Actuals       | Budget        | Budget        | % Change    | Budget        | % Change    |
| Total Labor and Benefits         | 20,290        | 22,667        | 24,710        | 25,909        | 4.9%        | 27,263        | 5.2%        |
| Less: Capital Labor and Benefits | 424           | 391           | 642           | 608           | -5.3%       | 639           | 5.1%        |
| Operating Labor and Benefits     | 19,867        | 22,275        | 24,068        | 25,301        | 5.1%        | 26,624        | 5.2%        |
| Contract Services                | 212           | 245           | 300           | 1,032         | 244.5%      | 811           | -21.5%      |
| Other Costs                      | 3,106         | 3,210         | 4,180         | 5,052         | 20.9%       | 5,441         | 7.7%        |
| <b>Operating Total</b>           | <b>23,185</b> | <b>25,730</b> | <b>28,547</b> | <b>31,386</b> | <b>9.9%</b> | <b>32,875</b> | <b>4.7%</b> |

**Budget Highlights**

The department's operating budget in FY 2026 is increasing \$2.8 million, or 9.9 percent, compared to FY 2025. In FY 2027, the budget will increase \$1.5 million, or 4.7 percent, compared to the first year of the biennial budget. Significant changes include:

**FY 2026**

Costs are increasing above inflation for CUS primarily due to the transfer of expenses related to water conservation from the capital budget to the operating budget, primarily affecting the Other Costs category. Labor costs are increasing driven primarily because of investments in the District's ongoing customer assistance efforts. Additionally, costs are increasing due to expectations for salary increases related to career advancement and general expectations for inflationary pressures on labor costs, as well as higher costs for fringe benefits, especially health insurance. Contract Services are increasing due to the expansion of language interpretation services, as well as the previously mentioned transfer of water-conservation costs from the capital budget. These increased costs are offset by reduced maintenance of equipment.

**FY 2027**

Total labor and benefit costs are increasing in FY 2027 due to expectations for salary increases related to career advancement and general expectations for inflationary pressures on labor costs. Contract Services are increasing slightly due to negotiated contract escalators for payment collection services and mailroom equipment maintenance support. Other Costs are increasing primarily for Proposition 218 notices costs incurred only in the second year of the budget.

**Staffing Summary**

The table below summarizes the staffing changes and transfers that have occurred among departments. In FY 2026, one Limited-Term FTE position will be eliminated, and four Temporary or Part-Time FTE will be eliminated through deletions or conversions to Full-Time positions.

*Customer and Community Services Department Staffing Summary***Department Staffing Summary and Comparison (FTE)**

| Position Type               | FY 2023       | FY 2024       | FY 2025       | FY 2026       | Change        | FY 2027       | Change   |
|-----------------------------|---------------|---------------|---------------|---------------|---------------|---------------|----------|
| Full-Time                   | 120.00        | 120.00        | 120.00        | 123.00        | 3.00          | 123.00        | -        |
| Limited-Term / Temp. Const. | 4.00          | 5.00          | 5.00          | 4.00          | (1.00)        | 4.00          | -        |
| Intermittent                | 3.00          | 3.00          | 3.00          | 3.00          | -             | 3.00          | -        |
| Temporary / Part-Time       | 11.50         | 11.50         | 11.50         | 7.50          | (4.00)        | 7.50          | -        |
| <b>Total FTE</b>            | <b>138.50</b> | <b>139.50</b> | <b>139.50</b> | <b>137.50</b> | <b>(2.00)</b> | <b>137.50</b> | <b>-</b> |



## Staffing Changes

The table below summarizes the FTE changes excluding transfers among departments.

*Customer and Community Services Department Staffing Changes*

| FY 2026 & FY 2027 Department Staffing Changes |                   |   |                |   |              |             |            |   |
|---|-------------------|---|----------------|---|--------------|-------------|------------|---|
| FY  | Board Action      | From Classification                     | From Character | To Classification                       | To Character | Cost Change | FTE Change | Purpose, Project or Program   |
| 2026  | Convert Character | Senior Customer Services Representative | L/T            | Senior Customer Services Representative | REG          | 177,394     | -          | Provide permanent support for the Customer Assistance Program         |
| 2026  | Convert Character | Customer Services Representative I/II   | P/T            | Customer Services Representative III    | REG          | 80,352      | 0.50       | Improve career ladder in the call center and better support customers |
| 2026  | Convert Character | Customer Services Representative I/II   | P/T            | Customer Services Representative III    | REG          | 80,352      | 0.50       | Improve career ladder in the call center and better support customers |
| 2026  | Convert Character | Customer Services Representative I/II   | P/T            | Customer Services Representative I/II   | REG          | 72,764      | 0.50       | Full-time positions can provide better customer service               |
| 2026  | Convert Character | Customer Services Representative I/II   | P/T            | Customer Services Representative I/II   | REG          | 72,764      | 0.50       | Full-time positions can provide better customer service               |
| 2026  | Convert Character | Customer Services Representative I/II   | P/T            | Customer Services Representative I/II   | REG          | 72,764      | 0.50       | Full-time positions can provide better customer service               |
| 2026  | Delete            | Worker Trainee                          | TEMP           |   |              | -           | (0.50)     | Classification no longer exists                                       |
| 2026  | Delete            | Customer Services Representative I/II   | P/T            |   |              | (59,402)    | (0.50)     | Replaced with REG positions   |
| 2026  | Delete            | Customer Services Representative I/II   | P/T            |   |              | (59,402)    | (0.50)     | Replaced with REG positions   |
| 2026  | Delete            | Water Conservation Representative       | REG            |   |              | (199,548)   | (1.00)     | Position no longer needed   |
| 2026  | Extend L/T        | Senior Customer Services Representative | L/T            | Senior Customer Services Representative | L/T          | 211,005     | -          | Support single-family liens as an alternative to shut-offs            |
| 2026  | Extend L/T        | Customer Services Representative III    | L/T            | Customer Services Representative III    | L/T          | 186,030     | -          | Support single-family liens as an alternative to shut-offs            |
| 2026  | Extend L/T        | New Business Coordinator I/II           | L/T            | New Business Coordinator I/II           | L/T          | 181,692     | -          | Continue to support peak workload                                     |

In FY 2026, six positions will have their character converted to REG (i.e., Full-Time), all to improve direct customer outreach. Offsetting those are the deletion of 2.5 FTEs that are no longer needed. Three L/Ts will be extended through Board approval; two will support the single-family lien program, and one will continue to support peak workload in the New Business Office.

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## ENGINEERING AND CONSTRUCTION DEPARTMENT

### Overview

The Engineering and Construction Department (ENG) is responsible for the planning, design, development, and construction of infrastructure related to the District's raw water, treatment, and distribution systems (e.g., pipelines, water treatment plants, reservoirs, pump stations, and other essential facilities such as buildings, warehouses and other locations that provide workspaces for staff and storage of equipment) that support the delivery of clean and safe water to the community. These responsibilities include water system capital program implementation, infrastructure management of facility rehabilitation or replacement projects, system expansions, and building facility improvements. The department provides leadership in engineering planning, design, and construction of water infrastructure through innovation and operational efficiency improvements.

### Description of Services Provided

The department includes Water Distribution Planning, Design, Construction, Pipeline Infrastructure, and Engineering Services divisions. Services include planning, design, project management, and construction management and inspection of water system capital projects. Support services include cost estimating, contract specifications preparation, bid and award management, surveying, mapping, graphic design, hydraulic modeling, geotechnical engineering and dam safety, materials testing, engineering records storage, and engineering support to other departments.

### FY 2026 and FY 2027 Goals

The department is primarily responsible for leading the Long-Term Infrastructure Investment goal and providing a supporting role to all other goals identified in the Strategic Plan. Key department goals include:

- Executing the Capital Improvement Program (CIP) to support the District's Strategic Plan in maintaining and enhancing its infrastructure;
- Increasing the pipeline replacement rate by continuing to improve construction efficiencies and leveraging technology to assess and prioritize pipeline renewal selection;
- Continuing to effectively manage significant progress towards completion of high priority construction projects including the Orinda Water Treatment Plant Disinfection and Chemical Systems Safety Improvements (CSSIP), Upper San Leandro (USL) Water Treatment Plant Maintenance and Reliability and USL and Sobrante CSSIP, and rehabilitation or replacement of critical pumping plants, reservoirs, rate control stations, and regulators;
- Initiating construction of new high priority capital projects including the Pardee Chemical Plant Improvements, Lafayette and Walnut Creek Water Treatment Plants CSSIP, Lafayette Tower Seismic Safety Project, and Mokelumne Aqueduct Relining and Bents Projects;
- Completing designs and awarding construction contracts for high-priority capital projects including the Lafayette Aqueduct No. 1 Relining Improvements, Lafayette Water Treatment Plant Interim Improvements, Central Reservoir Replacement, Walnut Creek Water Treatment Plant Filters Improvements, New Central Area Service Center, Walnut Creek Water Treatment Plant Pretreatment (to 30%), Castenada PP Standby Generator, and Pardee Powerline Upsizing; and
- Completing the Zero Emission Master Plan and the conceptual engineering report and drawings for the Mokelumne Aqueduct Resiliency Project.

**Department Budget Summary**

The department's projected spending is compared to prior years in the table below.

*Engineering and Construction Department Operating Budget Detail***Department Operating Budget Detail and Historical Comparison (\$ Thousands)**

| Category                         | FY 2023       | FY 2024       | FY 2025       | FY 2026       |              | FY 2027       |             |
|----------------------------------|---------------|---------------|---------------|---------------|--------------|---------------|-------------|
|                                  | Actuals       | Actuals       | Budget        | Budget        | % Change     | Budget        | % Change    |
| Total Labor and Benefits         | 65,246        | 72,726        | 75,301        | 80,631        | 7.1%         | 84,151        | 4.4%        |
| Less: Capital Labor and Benefits | 46,642        | 51,657        | 50,220        | 51,508        | 2.6%         | 53,767        | 4.4%        |
| Operating Labor and Benefits     | 18,604        | 21,069        | 25,080        | 29,123        | 16.1%        | 30,384        | 4.3%        |
| Contract Services                | 85            | 152           | 158           | 292           | 85.3%        | 313           | 7.0%        |
| Other Costs                      | 2,711         | 2,749         | 3,326         | 2,873         | -13.6%       | 3,051         | 6.2%        |
| <b>Operating Total</b>           | <b>21,400</b> | <b>23,969</b> | <b>28,564</b> | <b>32,289</b> | <b>13.0%</b> | <b>33,748</b> | <b>4.5%</b> |

**Budget Highlights**

The department's operating budget in FY 2026 is increasing \$3.7 million, or 13.0 percent, compared to FY 2025. In FY 2027, the budget will increase \$1.5 million, or 4.5 percent, compared to the first year of the biennial budget. Significant changes include:

**FY 2026**

Total Labor and Benefit Costs are increasing in FY 2026 compared to the FY 2025 budget due to expectations for salary increases related to career advancement and general expectations for inflationary pressures on labor costs, as well as higher costs for fringe benefits, especially health insurance. Operating Labor is increasing more than Capital Labor as more work has shifted from the capital budget to the operating budget. Contract Services are increasing, in part, for specialized professional services in support of Geographic Information Systems (GIS). Other Costs are decreasing due to transfers of budget line items out of the department and other minor decreases.

**FY 2027**

Total Labor and Benefit Costs are increasing in FY 2027 due to expectations for salary increases related to career advancement and general expectations for inflationary pressures on labor costs. Contract Services are expected to increase due to an additional 10 percent annual increase in specialized professional services contracts for GIS. Other Costs are expected to increase modestly due to computer software, fees and licenses, and equipment.

**Staffing Summary**

The table below summarizes the staffing changes, including transfers. The reduction in FTE in FY 2026 reflects position transfers to other departments to meet staffing needs in those areas.

*Engineering and Construction Department Staffing Summary***Department Staffing Summary and Comparison (FTE)**

| Position Type               | FY 2023       | FY 2024       | FY 2025       | FY 2026       | Change        | FY 2027       | Change   |
|-----------------------------|---------------|---------------|---------------|---------------|---------------|---------------|----------|
| Full-Time                   | 274.00        | 293.00        | 294.00        | 292.00        | (2.00)        | 292.00        | -        |
| Limited-Term / Temp. Const. | 9.00          | -             | -             | -             | -             | -             | -        |
| Intermittent                | -             | -             | -             | -             | -             | -             | -        |
| Temporary / Part-Time       | 3.50          | -             | -             | -             | -             | -             | -        |
| <b>Total FTE</b>            | <b>286.50</b> | <b>293.00</b> | <b>294.00</b> | <b>292.00</b> | <b>(2.00)</b> | <b>292.00</b> | <b>-</b> |

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## FINANCE DEPARTMENT

### Overview

The Finance Department (FIN) is responsible for providing proactive and strategic management of the District's finances and ensuring the long-term financial stability of the two systems. These responsibilities include managing the finances to meet funding needs, ensuring adequate internal financial controls are maintained, reporting financials timely and accurately, managing the budget effectively and efficiently, implementing reasonable and methodologically sound rates and charges consistent with legal requirements, optimizing investment of cash funds, maintaining good standing in the credit markets, and engaging actively with external stakeholders to promote fiscal transparency and accountability.

### Description of Services Provided

The department includes Accounting, Internal Audit, Budget and Performance, Treasury Operations, Purchasing, and Risk Management divisions. It provides a range of financial services including accounts payable and payroll, financial reporting, biennial budget management and reporting, grant writing and administration, strategic planning coordination, debt management, credit rating agency and investor relations, rates and charges, investment of funds, procurement and supply chain management, liability and workers compensation claim management, insurance procurement, and internal controls. The department also supports the District's Employee Retirement System with respect to investment management.

### FY 2026 and FY 2027 Goals

The department supports all six Strategic Plan goals but is primarily responsible for leading the Long-Term Financial Stability Strategic Plan goal. Key department goals include:

- Developing the biennial budget for FY 2028 and FY 2029;
- Developing the FY 2028 and FY 2029 rates, fees, and charges;
- Implementing the long-range financial plan in support of sustainability and resiliency;
- Continuing to grow fiscal transparency, accountability in financial reporting, and understanding of the District's rates and charges for the District's ratepayers;
- Implementing Contracts Pilot and reporting results;
- Enhancing Capital Management with revamped CSCs (Capital Steering Committees);
- Initiating innovation planning efforts with a new position;
- Overhauling grants management at the District and promoting utilization;
- Recruiting Data Scientist positions and advocating use across the District;
- Launching Captive Insurance creation (pending approval); and
- Improving access to Elsie Warehouse.

**Department Budget Summary**

The department's projected spending is compared to prior years in the table below.

*Finance Department Operating Budget Detail***Department Operating Budget Detail and Historical Comparison (\$ Thousands)**

| Category                         | FY 2023       | FY 2024       | FY 2025       | FY 2026       |               | FY 2027       |             |
|----------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|-------------|
|                                  | Actuals       | Actuals       | Budget        | Budget        | % Change      | Budget        | % Change    |
| Total Labor and Benefits         | 20,171        | 21,007        | 21,334        | 23,700        | 11.1%         | 24,720        | 4.3%        |
| Less: Capital Labor and Benefits | 1,582         | 91            | 355           | 14            | -96.2%        | 14            | 0.0%        |
| Operating Labor and Benefits     | 18,589        | 20,917        | 20,980        | 23,687        | 12.9%         | 24,706        | 4.3%        |
| Contract Services                | 784           | 1,072         | 1,673         | 1,476         | -11.8%        | 1,629         | 10.4%       |
| Other Costs                      | 12,017        | 13,399        | 13,397        | 2,305         | -82.8%        | 1,927         | -16.4%      |
| <b>Operating Total</b>           | <b>31,390</b> | <b>35,387</b> | <b>36,050</b> | <b>27,468</b> | <b>-23.8%</b> | <b>28,262</b> | <b>2.9%</b> |

**Budget Highlights**

The department's operating budget in FY 2026 is decreasing \$8.6 million, or 23.8 percent, compared to FY 2025. In FY 2027, the budget will increase \$0.8 million, or 2.9 percent, compared to the first year of the biennial budget. Significant changes include:

**FY 2026**

The major driver of cost decreases is moving insurance- and claims-related expenses to a non-staffed department. Total Labor and Benefit Costs are increasing in FY 2026 compared to the FY 2025 budget due to expectations for inflation-linked wage increases, and higher costs for fringe benefits including health insurance. In addition, labor is increasing due to the addition of two data scientists. There is also a large decrease in the copier maintenance contract due to negotiated flat monthly fees, with no overage charges. Another change is moving non-debt-service expenses to Finance from the Debt Department, which will make analyzing costs easier and more transparent. Changes in software include the planned procurement of a new liability claims management software, a crucial upgrade to replace the existing system, which is critically outdated and no longer meets the operational needs of the Risk Management Program. Changes in contracts include the Custodian Services contract with US Bank increasing significantly after staying relatively flat for at least a decade as US Bank has adjusted its pricing on legacy clients brought on from the former Union Bank. Contracts are decreasing as there is lower expected spending in a few larger non-recurring contracts.

**FY 2027**

Total labor and benefit costs will remain relatively stable in FY 2027 due to expectations for inflation-linked wage increases. Similar to FY 2026, there may be additional overtime costs relating to new systems being implemented by the District including Accela (PSL Replacement), new integration with Kahua, Pension Gold, and possibly a new Payroll System. Other costs are expected to remain relatively stable compared to FY 2026 with increases attributable to inflation.

**Staffing Summary**

The table below summarizes the staffing changes and transfers that have occurred among departments. In FY 2026, two FTEs will be added, as detailed below, however this is offset by deleting a position that is no longer needed. Another change is the conversion of a temporary position to regular. There are no net changes in FTE in FY 2027.

*Finance Department Staffing Summary*

| Department Staffing Summary and Comparison (FTE) |              |              |              |               |             |               |          |
|--|--------------|--------------|--------------|---------------|-------------|---------------|----------|
| Position Type                                    | FY 2023      | FY 2024      | FY 2025      | FY 2026       | Change      | FY 2027       | Change   |
| Full-Time  | 99.00        | 99.00        | 99.00        | 102.00        | 3.00        | 102.00        | -        |
| Limited-Term / Temp. Const.                      | -            | -            | -            | -             | -           | -             | -        |
| Intermittent                                     | -            | -            | -            | -             | -           | -             | -        |
| Temporary / Part-Time                            | 0.50         | 0.50         | 0.50         | -             | (0.50)      | -             | -        |
| <b>Total FTE</b>                                 | <b>99.50</b> | <b>99.50</b> | <b>99.50</b> | <b>102.00</b> | <b>2.50</b> | <b>102.00</b> | <b>-</b> |

**Staffing Changes**

The table below summarizes the FTE changes excluding transfers among departments.

*Finance Department Staffing Changes*

| FY 2026 & FY 2027 Department Staffing Changes |                   |                     |                |                     |              |             |            |   |
|---|-------------------|---------------------|----------------|---------------------|--------------|-------------|------------|---|
| FY  | Board Action      | From Classification | From Character | To Classification   | To Character | Cost Change | FTE Change | Purpose, Project or Program                                   |
| 2026  | Add               |                     |                | Data Scientist I/II | REG          | 479,328     | 2.00       | Improve data analytics  |
| 2026  | Convert Character | Storekeeper I/II    | TEMP           | Storekeeper I/II    | REG          | 67,595      | 0.50       | Meet growing demand for warehouse products, particularly pipe |
| 2026  | Delete            | Buyer I/II          | REG            |                     |              | (180,641)   | (1.00)     | Position no longer needed                                     |

In FY 2026, two full-time FTEs will be added to improve data analytics offset by the deletion of a Buyer position that is no longer needed. Another change is the conversion of a Storekeeper position from temporary to regular to meet the growing demand for warehouse products, particularly pipe. There are no new positions added in FY 2027.

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## HUMAN RESOURCES DEPARTMENT

### Overview

The Human Resources Department (HRD) plays a pivotal role in managing the District's workforce, ensuring that employees are well-supported, and maintaining compliance with various regulations. The department's mission is to ensure that EBMUD has a high-performing, quality, and diverse talent pool to effectively meet both current and future needs. The department collaborates closely with the Board, managers, unions, and employees to provide a wide range of support systems and benefits, encourages teamwork, promotes a diverse and inclusive workplace, promotes continuous improvement and learning, and implements workforce planning strategies to anticipate and respond to emerging needs.

### Description of Services Provided

Human Resources provides a comprehensive range of services to all EBMUD departments through three divisions. Employee Relations manages labor and employee relations, including negotiations with the District's four bargaining units. Employee Services administers benefits, including health insurance and wellness programs, and along with the Finance Department administers the independent retirement system and deferred compensation programs. This division also onboards new hires to ensure all pre-employment records are completed, manages employee records data, and provides support to the core HR and Payroll systems. Recruitment and Classification oversees the hiring process, job postings, and classification of positions to ensure the organization attracts and retains qualified personnel.

The Department is governed using civil service, merit-based principles under the Municipal Utility District (MUD) Act, along with relevant employment laws, union contract requirements, the Retirement Ordinance, the 401k, 457, and 401a Plan Documents, and other District policies and procedures. Key departmental service goals include providing timely, responsive services to clients, ensuring fairness and equity in employment matters, and supporting organizational efforts to be an "employer of choice."

### FY 2026 and FY 2027 Goals

The department is primarily responsible for leading the Workforce Planning and Development Strategic Plan Goal. Key department goals in the Biennial Budget include:

- Modernizing the practice of human resources management;
- Implementing a new Human Resources Information System to modernize employee services such as benefits, payroll, recordkeeping, onboarding, and the District's retirement system;
- Implementing a healthcare strategy that provides a competitive benefit package while recognizing the potential increase in forecasted health care costs; and
- Planning for the future workforce, aimed at attracting and retaining a skilled, talented, and diverse workforce.



**Department Budget Summary**

The department's projected spending is compared to prior years in the table below.

*Human Resources Department Operating Budget Detail***Department Operating Budget Detail and Historical Comparison (\$ Thousands)**

| Category                         | FY 2023       | FY 2024       | FY 2025       | FY 2026       |              | FY 2027       |             |
|----------------------------------|---------------|---------------|---------------|---------------|--------------|---------------|-------------|
|                                  | Actuals       | Actuals       | Budget        | Budget        | % Change     | Budget        | % Change    |
| Total Labor and Benefits         | 9,066         | 10,303        | 10,260        | 12,459        | 21.4%        | 13,028        | 4.6%        |
| Less: Capital Labor and Benefits | 499           | 1             | 638           | -             | -100.0%      | -             | 0.0%        |
| Operating Labor and Benefits     | 8,567         | 10,302        | 9,622         | 12,459        | 29.5%        | 13,028        | 4.6%        |
| Contract Services                | 1,070         | 1,125         | 1,444         | 1,514         | 4.8%         | 1,560         | 3.1%        |
| Other Costs                      | 1,529         | 1,288         | 2,037         | 497           | -75.6%       | 492           | -1.0%       |
| <b>Operating Total</b>           | <b>11,166</b> | <b>12,716</b> | <b>13,103</b> | <b>14,470</b> | <b>10.4%</b> | <b>15,080</b> | <b>4.2%</b> |

**Budget Highlights**

The department's operating budget in FY 2026 is increasing \$1.4 million, or 10.4 percent, compared to FY 2025. In FY 2027, the budget will increase by \$0.6 million or 4.2 percent, compared to the first year of the biennial budget. Significant changes include:

**FY 2026**

Total Labor and Benefit costs are increasing in FY 2026 compared to the FY 2025 budget due to the addition of two positions as well as the upgrade and funding of existing positions, which accounts for a significant portion of the labor cost increase. Additionally, labor costs are rising due to expectations for salary increases related to career advancement and general expectations for inflationary pressures on labor costs, as well as higher costs for fringe benefits, especially health insurance. Contract Services are expected to increase because of new requests including a McLean & Co. subscription service. Other Costs are decreasing significantly due to the transfer of the 415(m) supplemental payments to the Contingency Department to improve accountability and transparency into the department's budget.

**FY 2027**

Total Labor and Benefit costs are increasing in FY 2027 due to expectations for salary increases related to career advancement and general expectations for inflationary pressures on labor costs. Contract Services and Other Costs are expected to remain relatively stable compared to FY 2026.

**Staffing Summary**

The table below summarizes the staffing changes and transfers that have occurred among departments. In FY 2026, two new Full-Time positions will be added and one Part-Time position is being transferred to the Office of Diversity, Equity, and Culture in the Office of the General Manager. There are no changes to the department's staffing in FY 2027.

*Human Resources Department Staffing Summary***Department Staffing Summary and Comparison (FTE)**

| Position Type               | FY 2023      | FY 2024      | FY 2025      | FY 2026      | Change      | FY 2027      | Change   |
|-----------------------------|--------------|--------------|--------------|--------------|-------------|--------------|----------|
| Full-Time                   | 38.00        | 40.00        | 40.00        | 42.00        | 2.00        | 42.00        | -        |
| Limited-Term / Temp. Const. | 4.00         | 6.00         | 6.00         | 6.00         | -           | 6.00         | -        |
| Intermittent                | -            | -            | -            | -            | -           | -            | -        |
| Temporary / Part-Time       | 0.50         | 0.50         | 0.50         | -            | (0.50)      | -            | -        |
| <b>Total FTE</b>            | <b>42.50</b> | <b>46.50</b> | <b>46.50</b> | <b>48.00</b> | <b>1.50</b> | <b>48.00</b> | <b>-</b> |



**Staffing Changes**

The table below summarizes the FTE changes excluding transfers among departments.

*Human Resources Department Staffing Changes*

| FY 2026 & FY 2027 Department Staffing Changes |              |   |                |   |              |             |            |   |
|---|--------------|---|----------------|---|--------------|-------------|------------|---|
| FY  | Board Action | From Classification                       | From Character | To Classification                         | To Character | Cost Change | FTE Change | Purpose, Project or Program                     |
| 2026  | Add          |   |                | Senior Human Resources Analyst            | REG          | 580,242     | 2.00       | Support improved approach to employee relations |
| 2026  | Extend L/T   | Human Resources Analyst I/II              | L/T            | Human Resources Analyst I/II              | L/T          | 225,547     | -          | Continue to support peak workload               |
| 2026  | Extend L/T   | HRIS Analyst I/II                         | L/T            | HRIS Analyst I/II                         | L/T          | 204,049     | -          | Continue to support peak workload               |
| 2026  | Extend L/T   | Senior Administrative Clerk, Confidential | L/T            | Senior Administrative Clerk, Confidential | L/T          | 186,030     | -          | Continue to support peak workload               |

In FY 2026, two new positions will be added to support an improved approach to employee relations. Three L/T positions are being extended to continue to support peak workload.

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## INFORMATION SYSTEMS DEPARTMENT

### Overview

The Information Systems Department (ISD) is responsible for the strategic oversight, including the planning, procuring, designing, developing, deploying, operating, maintaining, and supporting information technology (IT) and services in support of District planning and operations. These responsibilities include providing accessibility, security, recoverability, and business continuity for all systems and data critical to the operations of the District.

### Description of Services Provided

The department includes the IT Strategy & Planning, IT Applications, IT Operations, and IT Security divisions. Together, these divisions support the lifecycle of the District's technology and communication needs including management and support of: project management; District websites; digital accessibility; desktop, mobile, and cloud computing; remote access; network connectivity; telephone, radio, and microwave communications; application development and integration for a wide range of business functions; risk identification in computing and network environments; guidance to ensure District systems and data are properly secured and available; and planning to ensure business continuity of District computing resources.

### FY 2026 and FY 2027 Goals

The department serves a key role in the Long-Term Financial Stability Strategic Plan goal. Key department goals include:

- Developing a five-year Technology Strategic Plan;
- Reviewing and aligning IT Governance and Project Implementation with District mission, vision, values, and processes;
- Continuing efforts to advance the District's Cybersecurity and Personally-Identifiable Information plans, including the continued efforts toward the implementation of the Center for Internet Security Controls and shared governance;
- Ensuring project and maintenance work is performed in a manner that supports the achievement of goals outlined in the District's Strategic Plan, IT Master Plan, and the upcoming IT Strategic Plan;
- Modernizing legacy infrastructure, systems, and processes through continuous improvement efforts;
- Facilitating the implementation of key District projects, which includes the replacement of the human resources core and pension systems; and
- Implementing the IT Governance FY 2026 – FY 2027 Project Portfolio.

**Department Budget Summary**

The department's projected spending is compared to prior years in the table below.

*Information Systems Department Operating Budget Detail***Department Operating Budget Detail and Historical Comparison (\$ Thousands)**

| Category                         | FY 2023<br>Actuals | FY 2024<br>Actuals | FY 2025<br>Budget | FY 2026<br>Budget | % Change     | FY 2027<br>Budget | % Change    |
|----------------------------------|--------------------|--------------------|-------------------|-------------------|--------------|-------------------|-------------|
| Total Labor and Benefits         | 25,072             | 27,662             | 27,217            | 30,008            | 10.3%        | 31,247            | 4.1%        |
| Less: Capital Labor and Benefits | 553                | 246                | -                 | 1,138             | 0.0%         | 1,192             | 4.8%        |
| Operating Labor and Benefits     | 24,519             | 27,416             | 27,217            | 28,870            | 6.1%         | 30,055            | 4.1%        |
| Contract Services                | 1,808              | 2,259              | 2,828             | 3,754             | 32.8%        | 3,481             | -7.3%       |
| Other Costs                      | 6,482              | 6,951              | 8,348             | 10,402            | 24.6%        | 10,540            | 1.3%        |
| <b>Operating Total</b>           | <b>32,809</b>      | <b>36,626</b>      | <b>38,393</b>     | <b>43,026</b>     | <b>12.1%</b> | <b>44,076</b>     | <b>2.4%</b> |

**Budget Highlights**

The department's operating budget in FY 2026 is increasing \$4.6 million, or 12.1 percent, compared to FY 2025. In FY 2027, the budget will increase \$1.1 million, or 2.4 percent, compared to the first year of the biennial budget. Significant changes include:

**FY 2026**

Total labor and benefit costs are increasing in FY 2026 compared to the FY 2025 budget due to expectations for salary increases related to career advancement and general expectations for inflationary pressures on labor costs, as well as higher costs for fringe benefits, especially health insurance. Contract services are increasing substantially due to addition of contracts that will support continued transitions away from outdated, legacy systems and the implementation of modern tools. Other Costs are growing due to increasing software costs, especially for large enterprise cloud technology.

**FY 2027**

Total labor and benefit costs are increasing in FY 2027 due to expectations for salary increases related to career advancement and general expectations for inflationary pressures on labor costs. Contract services are budgeted to decrease due to reducing a contract for external data security support that will no longer be needed in FY 2027 as the District will use internal staff to support the function. Other Costs for the department are expected to increase due to increases in computer software costs, cloud computing, telephone expenses, and a data center lease for disaster recovery.

**Staffing Summary**

The table below summarizes the staffing changes within the department. The increase in two FTE in FY 2026 as compared to FY 2025 is due to transfers between departments.

*Information Systems Department Staffing Summary***Department Staffing Summary and Comparison (FTE)**

| Position Type               | FY 2023      | FY 2024      | FY 2025      | FY 2026      | Change      | FY 2027      | Change   |
|-----------------------------|--------------|--------------|--------------|--------------|-------------|--------------|----------|
| Full-Time                   | 92.00        | 95.00        | 95.00        | 97.00        | 2.00        | 97.00        | -        |
| Limited-Term / Temp. Const. | 2.00         | 1.00         | 1.00         | 1.00         | -           | 1.00         | -        |
| Intermittent                | -            | -            | -            | -            | -           | -            | -        |
| Temporary / Part-Time       | -            | -            | -            | -            | -           | -            | -        |
| <b>Total FTE</b>            | <b>94.00</b> | <b>96.00</b> | <b>96.00</b> | <b>98.00</b> | <b>2.00</b> | <b>98.00</b> | <b>-</b> |

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## MAINTENANCE AND CONSTRUCTION DEPARTMENT

### Overview

The Maintenance and Construction Department (MCD) is responsible for installing, replacing, rehabilitating, and maintaining the local water distribution system infrastructure; reading and maintaining the nearly 400,000 water meters; providing support services; and maintaining over 1,350 vehicles and heavy equipment in the District's fleet.

### Description of Services Provided

The department includes the Distribution Maintenance and Construction, Pipeline Construction, and Maintenance Support divisions. Distribution Maintenance and Construction installs new services and pipelines and supports the maintenance, replacement, and installation of the water distribution system by identifying and repairing leaks, maintaining valves and hydrants, and replacing pipeline appurtenances. Pipeline Construction installs replacement pipelines and provides paving services. Maintenance Support provides District-wide construction support and janitorial services, and is responsible for vehicle and equipment procurement, maintenance and replacement; meter testing, maintenance, repair, and reading; and backflow prevention.

### FY 2026 and FY 2027 Goals

The department has a key role in the Long-Term Infrastructure Investment Strategic Plan goal. Key department goals include:

- Replacing 25.0 miles of distribution pipe in FY 2026 and 27.5 miles in FY 2027;
- Reading, testing, and replacing water meters;
- Leading the industry in water loss control through using new and innovative technology, effective maintenance practices, and efficient operations;
- Maintaining and procuring the District's fleet of vehicles and equipment to support District operations and meet greenhouse gas reduction goals; and
- Implementing preventive, predictive, and corrective maintenance plans for infrastructure such as pipelines, valves, hydrants, and meters to improve safety, reliability, and efficiency.

## Department Budget Summary

*Maintenance and Construction Department Budget Table*

## Department Operating Budget Detail and Historical Comparison (\$ Thousands)

| Category                         | FY 2023       | FY 2024       | FY 2025       | FY 2026        |              | FY 2027        |             |
|----------------------------------|---------------|---------------|---------------|----------------|--------------|----------------|-------------|
|                                  | Actuals       | Actuals       | Budget        | Budget         | % Change     | Budget         | % Change    |
| Total Labor and Benefits         | 106,332       | 117,144       | 124,498       | 135,434        | 8.8%         | 142,045        | 4.9%        |
| Less: Capital Labor and Benefits | 46,616        | 53,031        | 53,871        | 55,321         | 2.7%         | 58,267         | 5.3%        |
| Operating Labor and Benefits     | 59,716        | 64,112        | 70,626        | 80,113         | 13.4%        | 83,779         | 4.6%        |
| Contract Services                | 1,046         | 1,518         | 1,707         | 1,985          | 16.3%        | 1,978          | -0.3%       |
| Other Costs                      | 25,681        | 24,286        | 23,387        | 25,747         | 10.1%        | 26,042         | 1.1%        |
| <b>Operating Total</b>           | <b>86,443</b> | <b>89,916</b> | <b>95,721</b> | <b>107,845</b> | <b>12.7%</b> | <b>111,799</b> | <b>3.7%</b> |

## Budget Highlights

The department's operating budget in FY 2026 is increasing \$12.1 million, or 12.7 percent, compared to FY 2025. In FY 2027, the budget will increase \$4.0 million, or 3.7 percent, compared to the first year of the biennial budget.

## FY 2026

Total labor and benefit costs are increasing in FY 2026 compared to the FY 2025 budget due to expectations for salary increases related to career advancement and general expectations for inflationary pressures on labor costs, as well as higher costs for fringe benefits, especially health insurance. Contract costs are increasing due to specialized professional services contracts for the Pipeline Training Academy Truck Driving Training and concrete repairs. Other Costs are increasing because of the increase in costs for computer software; outside services for vehicle and construction equipment; and disposal costs.

## FY 2027

Total labor and benefit costs are increasing in FY 2027 due to expectations for salary increases related to career advancement and general expectations for inflationary pressures on labor costs. Contract services are expected to increase slightly due to expected continued inflationary pressures. Other costs are expected to increase slightly due to the increase in fuel costs.

## Staffing Summary

The table below summarizes staffing changes, including transfers. In FY 2026, there is a decrease of one full-time FTE due to various position transfers between departments to meet staffing needs, and two new Limited-Term (L/T) positions. In FY 2027, there are two additional Limited-Term (L/T) positions added.

*Maintenance and Construction Department Staffing Summary*

## Department Staffing Summary and Comparison (FTE)

| Position Type               | FY 2023       | FY 2024       | FY 2025       | FY 2026       | Change      | FY 2027       | Change      |
|-----------------------------|---------------|---------------|---------------|---------------|-------------|---------------|-------------|
| Full-Time                   | 598.00        | 617.00        | 617.00        | 616.00        | (1.00)      | 616.00        | -           |
| Limited-Term / Temp. Const. | 11.00         | 13.00         | 13.00         | 15.00         | 2.00        | 17.00         | 2.00        |
| Intermittent                | -             | -             | -             | -             | -           | -             | -           |
| Temporary / Part-Time       | 2.50          | 2.50          | 2.50          | 2.50          | -           | 2.50          | -           |
| <b>Total FTE</b>            | <b>611.50</b> | <b>632.50</b> | <b>632.50</b> | <b>633.50</b> | <b>1.00</b> | <b>635.50</b> | <b>2.00</b> |

## Staffing Changes

*Maintenance and Construction Department Staffing Changes***FY 2026 & FY 2027 Department Staffing Changes**

| FY   | Board Action | From Classification   | From Character | To Classification     | To Character | Cost Change | FTE Change | Purpose, Project or Program                                    |
|------|--------------|-----------------------|----------------|-----------------------|--------------|-------------|------------|--|
| 2026 | Add          |                       |                | Paving Crew Foreman   | L/T          | 221,571     | 1.00       | Reduce concrete paving backlog                                 |
| 2026 | Add          |                       |                | Concrete Finisher II  | L/T          | 173,035     | 1.00       | Reduce concrete paving backlog                                 |
| 2026 | Extend L/T   | Meter Reader/Mechanic | L/T            | Meter Reader/Mechanic | L/T          | 175,904     | -          | Meter reading and maintenance                                  |
| 2026 | Extend L/T   | Meter Reader/Mechanic | L/T            | Meter Reader/Mechanic | L/T          | 169,744     | -          | Meter reading and maintenance                                  |
| 2026 | Extend L/T   | Meter Reader/Mechanic | L/T            | Meter Reader/Mechanic | L/T          | 168,171     | -          | Meter reading and maintenance                                  |
| 2026 | Extend L/T   | Meter Reader/Mechanic | L/T            | Meter Reader/Mechanic | L/T          | 166,887     | -          | Meter reading and maintenance                                  |
| 2026 | Extend L/T   | Meter Reader/Mechanic | L/T            | Meter Reader/Mechanic | L/T          | 165,932     | -          | Meter reading and maintenance                                  |
| 2026 | Extend L/T   | Meter Reader/Mechanic | L/T            | Meter Reader/Mechanic | L/T          | 156,821     | -          | Meter reading and maintenance                                  |
| 2027 | Add          |                       |                | Utility Laborer       | L/T          | 291,055     | 2.00       | Reduce FM&O for saw cutting as pipeline mileage goal increases |

In FY 2026, two Limited-Term positions will be added to reduce the backlog of concrete paving orders. Additionally, Six Meter Reader/Mechanic Limited-Term (LT) positions will be extended to support high priority meter reading and maintenance projects. In FY 2027, there is an additional increase of two Limited-Term Utility Laborer positions to reduce Fully Maintained and Operated (FM&O) for saw cutting as the pipeline mileage goal increases.

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## NATURAL RESOURCES DEPARTMENT

### Overview

The Natural Resources Department (NRD) develops and implements plans, policies, and programs necessary to manage over 50,000 acres of water, watershed lands and related facilities. The department develops and implements programs for water quality, fisheries and wildlife enhancement and protection, natural resource management and monitoring, wildfire protection and fuels management, and public recreation areas and trails on these lands, reservoirs, rivers, and streams.

### Description of Services Provided

The department includes the East Bay Watershed and Recreation, Mokelumne Watershed and Recreation, and Fisheries and Wildlife divisions. Both the East Bay and Mokelumne Watershed and Recreation divisions manage and protect the East Bay and Mokelumne watershed lands owned by the District, including overseeing environmental, recreation, and land stewardship programs. The Fisheries and Wildlife Division develops and maintains the scientific information necessary to manage and protect wildlife and fisheries on District-owned lands and the fisheries resources of the lower Mokelumne River, conducts monitoring to comply with water right agreements, provides biological support for capital projects, Federal Energy Regulatory Commission (FERC) relicensing and Bay-Delta processes, and responds to service area water discharge incidents. Together the divisions support each other with planning, grant execution, regional collaborations, and new initiatives.

### FY 2026 and FY 2027 Goals

The department has a key role in the Water Quality and Environmental Protection Strategic Plan goal. Key department goals include:

- Implementing the water quality protection, environmental stewardship, and recreation and public use programs consistent with the East Bay and Mokelumne Watershed Master Plans;
- Reducing wildfire risk in the East Bay and Mokelumne watersheds and collaborating with local partners on fuels management and forest health projects;
- Providing subject matter expertise for Recreation and Fisheries and Wildlife management in the FERC relicensing process, related to the District's hydroelectric power generation;
- Responding to the new invasive species, Golden Mussel, found in the Sacramento San Joaquin Delta to protect EBMUD infrastructure and natural resources;
- Implementing habitat restoration and other non-flow measures associated with the Healthy Rivers and Landscapes Program;
- Continuing to build on the successful fisheries program for the Mokelumne River including assessing impacts of Delta water projects through acoustic tracking, investigating innovative temperature management infrastructure, and working collaboratively with public organizations, non-profits, and local landowner partners along the Lower Mokelumne River; and
- Continuing to implement the East Bay Habitat Conservation Plan through pond maintenance, fencing, invasive species management, and monitoring in the East Bay Watershed covered areas; and the Mokelumne Safe Harbor Agreement through enhancement and maintenance of pond habitat, number of elderberry bushes, and enhancing federally listed species on the Mokelumne Watershed.

**Department Budget Summary**

The department's projected spending is compared to prior years in the table below.

*Natural Resources Department Operating Budget Detail***Department Operating Budget Detail and Historical Comparison (\$ Thousands)**

| Category                         | FY 2023       | FY 2024       | FY 2025       | FY 2026       |              | FY 2027       |             |
|----------------------------------|---------------|---------------|---------------|---------------|--------------|---------------|-------------|
|                                  | Actuals       | Actuals       | Budget        | Budget        | % Change     | Budget        | % Change    |
| Total Labor and Benefits         | 11,584        | 12,851        | 13,425        | 15,001        | 11.7%        | 15,641        | 4.3%        |
| Less: Capital Labor and Benefits | 47            | 69            | 85            | -             | -100.0%      | -             | 0.0%        |
| Operating Labor and Benefits     | 11,536        | 12,782        | 13,341        | 15,001        | 12.4%        | 15,641        | 4.3%        |
| Contract Services                | 3,247         | 2,321         | 3,347         | 3,860         | 15.3%        | 3,966         | 2.7%        |
| Other Costs                      | 4,648         | 4,033         | 4,617         | 5,019         | 8.7%         | 4,941         | -1.6%       |
| <b>Operating Total</b>           | <b>19,431</b> | <b>19,136</b> | <b>21,305</b> | <b>23,880</b> | <b>12.1%</b> | <b>24,548</b> | <b>2.8%</b> |

**Budget Highlights**

The department's operating budget in FY 2026 is increasing \$2.6 million, or 12.1 percent, compared to FY 2025. In FY 2027, the budget will increase \$0.7 million, or 2.8 percent, compared to the first year of the biennial budget. Significant changes include:

**FY 2026**

Total labor and benefit costs are increasing in FY 2026 compared to the FY 2025 budget due in part to the addition of two Limited-Term positions, as well as expectations for salary increases related to career advancement and general expectations for inflationary pressures on labor costs, as well as higher costs for fringe benefits, especially health insurance. The increase to Contract Services is primarily due to the cost of facility and upcountry security needs. Other major drivers include the increased costs of operating contracts with California Department of Fish and Wildlife for the Mokelumne River Fish Hatchery.

**FY 2027**

Total labor and benefit costs are increasing in FY 2027 due to expectations for salary increases related to career advancement and general expectations for inflationary pressures on labor costs. Contract Services increase due to the agreement with the East Bay Regional Park District. Other Costs decrease due to a one-time fee paid in FY 2026.

**Staffing Summary**

The table below summarizes the staffing changes and transfers that have occurred among departments. In FY 2026, two Limited-Term positions will be added.

*Natural Resources Department Staffing Summary***Department Staffing Summary and Comparison (FTE)**

| Position Type               | FY 2023      | FY 2024      | FY 2025      | FY 2026      | Change      | FY 2027      | Change   |
|-----------------------------|--------------|--------------|--------------|--------------|-------------|--------------|----------|
| Full-Time                   | 65.00        | 65.00        | 65.00        | 65.00        | -           | 65.00        | -        |
| Limited-Term / Temp. Const. | -            | -            | 1.00         | 3.00         | 2.00        | 3.00         | -        |
| Intermittent                | -            | -            | -            | -            | -           | -            | -        |
| Temporary / Part-Time       | 2.50         | 2.50         | 2.50         | 2.50         | -           | 2.50         | -        |
| <b>Total FTE</b>            | <b>67.50</b> | <b>67.50</b> | <b>68.50</b> | <b>70.50</b> | <b>2.00</b> | <b>70.50</b> | <b>-</b> |



**Staffing Changes**

The table below summarizes the FTE changes excluding transfers among departments.

*Natural Resources Department Staffing Changes*

| FY 2026 & FY 2027 Department Staffing Changes |              |                     |                |                        |              |             |            |   |
|---|--------------|---------------------|----------------|------------------------|--------------|-------------|------------|---|
| FY  | Board Action | From Classification | From Character | To Classification      | To Character | Cost Change | FTE Change | Purpose, Project or Program               |
| 2026  | Add          |                     |                | Ranger/Naturalist I/II | L/T          | 298,487     | 2.00       | Reduce risk at upcountry recreation areas |

In FY 2026, two Limited-Term Ranger/Naturalist I/II positions will be added to support managing risk during the busiest recreation seasons in the recreation areas around the Pardee and Camanche reservoirs.

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**OFFICE OF THE GENERAL COUNSEL****Overview**

The Office of the General Counsel (OGC) provides the legal advice and assistance necessary to implement the District's mission, policies, and programs in a manner consistent with the law and to take charge of litigation and other legal matters in which the District is a party or in which it is legally interested.

**Description of Services Provided**

The department provides legal assistance and litigation support to the Board, General Manager, and staff in such areas as: resources law; municipal and public law; environmental law; public works contracting; construction and real estate law; personnel, benefits, retirement and labor law; risk management and insurance; public finance and governmental law; tort law; and rates, regulations, and public policy matters.

**FY 2026 and FY 2027 Goals**

Key department goals include:

- Providing legal advice and assistance necessary to implement the District's mission, policies and programs, and in support of the District's Strategic Plan and Diversity, Equity, and Inclusion Plan, in a manner consistent with the law and to take charge of litigation and other legal matters in which the District is a party or in which it is legally interested;
- Keeping up to date with current and necessary legal technology trends and tools; and
- Providing dedicated legal advice to a centralized contracting group.

**Department Budget Summary**

The department's projected spending is compared to prior years in the table below.

*Office of the General Counsel Operating Budget Detail***Department Operating Budget Detail and Historical Comparison (\$ Thousands)**

| Category                         | FY 2023      | FY 2024      | FY 2025      | FY 2026      |              | FY 2027      |             |
|----------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------|
|                                  | Actuals      | Actuals      | Budget       | Budget       | % Change     | Budget       | % Change    |
| Total Labor and Benefits         | 4,233        | 4,816        | 4,982        | 5,768        | 15.8%        | 6,012        | 4.2%        |
| Less: Capital Labor and Benefits | -            | -            | -            | -            | 0.0%         | -            | 0.0%        |
| Operating Labor and Benefits     | 4,233        | 4,816        | 4,982        | 5,768        | 15.8%        | 6,012        | 4.2%        |
| Contract Services                | 833          | 746          | 750          | 750          | 0.0%         | 750          | 0.0%        |
| Other Costs                      | 178          | 160          | 251          | 307          | 22.2%        | 309          | 0.8%        |
| <b>Operating Total</b>           | <b>5,243</b> | <b>5,721</b> | <b>5,983</b> | <b>6,825</b> | <b>14.1%</b> | <b>7,071</b> | <b>3.6%</b> |

**Budget Highlights**

The department's operating budget in FY 2026 is increasing \$0.8 million, or 14.1 percent, compared to FY 2025. In FY 2027, the budget will increase slightly, or 3.6 percent, compared to the first year of the biennial budget. Changes include:

**FY 2026**

Total labor and benefit costs are increasing in FY 2026 compared to the FY 2025 budget due to expectations for salary increases related to career advancement and general expectations for inflationary pressures on labor costs, as well as higher costs for fringe benefits, especially health insurance. Other Costs are increasing in software costs for managing document production, which were not budgeted in the previous budget cycle, and for a replacement document management software (DMS) to replace the current software that will be obsolete within this budget cycle. Another large expense is for upgrading to a better legal research platform to reduce time attorneys spend researching, enhancing the department's efficiency. There is an anticipated increase in managing complex litigation and administrative cases in-house which will require an increase in litigation and legal expenses.

**FY 2027**

Total Labor and Benefit Costs are increasing in FY 2027 due to expectations for salary increases related to career advancement and general expectations for inflationary pressures on labor costs. Other Costs are expected to remain relatively stable compared to FY 2026 with increases attributable to inflation.

**Staffing Summary**

The table below summarizes the staffing changes and transfers that have occurred among departments. There are no changes to the department's staffing.

*Office of the General Counsel Staffing Summary***Department Staffing Summary and Comparison (FTE)**

| Position Type               | FY 2023      | FY 2024      | FY 2025      | FY 2026      | Change   | FY 2027      | Change   |
|-----------------------------|--------------|--------------|--------------|--------------|----------|--------------|----------|
| Full-Time                   | 16.00        | 16.00        | 16.00        | 16.00        | -        | 16.00        | -        |
| Limited-Term / Temp. Const. | -            | -            | -            | -            | -        | -            | -        |
| Intermittent                | -            | -            | -            | -            | -        | -            | -        |
| Temporary / Part-Time       | 0.50         | 0.50         | 0.50         | 0.50         | -        | 0.50         | -        |
| <b>Total FTE</b>            | <b>16.50</b> | <b>16.50</b> | <b>16.50</b> | <b>16.50</b> | <b>-</b> | <b>16.50</b> | <b>-</b> |

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## OFFICE OF THE GENERAL MANAGER

### Overview

The Office of the General Manager (OGM) manages the overall operations of the District and implements the policies and priorities of the elected Board of Directors with an emphasis on effectively communicating with all stakeholders and advancing EBMUD's policy objectives with the California State Legislature and United States Congress.

### Description of Services Provided

The department includes five divisions: Office of the General Manager, Inter-Governmental Affairs, Public Affairs, Office of the Secretary, and the Office of Diversity, Equity, and Culture. The Office of the General Manager provides several District-wide functions including: legislative and intergovernmental agency advocacy; public and community education and outreach; support to the Board of Directors and District-wide records management including managing responses to public records requests; and work on initiatives related to diversity, equity, and inclusion.

### FY 2026 and FY 2027 Goals

The department supports all the Strategic Plan goals. Key department goals include:

- Providing cross-departmental direction to cohesively and effectively manage operations and implement Board policies and priorities;
- Supporting water and wastewater program goals through engaging and communicating with the public, key stakeholders, and employees about operations and infrastructure, Board policy proposals and decisions, and stewardship of the District's natural, financial, and human resources;
- Educating stakeholders on the need for investment in infrastructure and innovation, water supply planning, climate and infrastructure resiliency, and other priorities as expressed through the District's Strategic Plan;
- Supporting the District's workforce planning and development goals through the implementation of the Diversity, Equity, and Inclusion Strategic Plan;
- Supporting water and wastewater program goals through legislative efforts to advance policy objectives, secure state and federal funding, and proactively influence legislation through effective advocacy; and
- Exploring ways to work better together to continue providing administrative and ministerial support to the Board of Directors, the General Manager, and staff in carrying out the District's mission.

**Department Budget Summary**

The department's projected spending is compared to prior years in the table below.

*Office of the General Manager Operating Budget Detail***Department Operating Budget Detail and Historical Comparison (\$ Thousands)**

| Category                         | FY 2023       | FY 2024       | FY 2025       | FY 2026       |             | FY 2027       |              |
|----------------------------------|---------------|---------------|---------------|---------------|-------------|---------------|--------------|
|                                  | Actuals       | Actuals       | Budget        | Budget        | % Change    | Budget        | % Change     |
| Total Labor and Benefits         | 11,316        | 14,549        | 16,012        | 17,479        | 9.2%        | 18,361        | 5.0%         |
| Less: Capital Labor and Benefits | 19            | 301           | -             | 415           | 0.0%        | 459           | 10.6%        |
| Operating Labor and Benefits     | 11,297        | 14,249        | 16,012        | 17,064        | 6.6%        | 17,902        | 4.9%         |
| Contract Services                | 791           | 890           | 1,747         | 1,987         | 13.7%       | 1,885         | -5.1%        |
| Other Costs                      | 2,649         | 2,312         | 2,834         | 2,335         | -17.6%      | 3,880         | 66.2%        |
| <b>Operating Total</b>           | <b>14,736</b> | <b>17,451</b> | <b>20,594</b> | <b>21,386</b> | <b>3.8%</b> | <b>23,668</b> | <b>10.7%</b> |

**Budget Highlights**

The department's operating budget in FY 2026 is increasing \$0.8 million, or 3.8 percent, compared to FY 2025. In FY 2027, the budget will increase \$2.3 million, or 10.7 percent, compared to the first year of the biennial budget. Significant changes include:

**FY 2026**

Total Labor and Benefit costs are increasing due to expectations for salary increases related to career advancement and general expectations for inflationary pressures on labor costs, as well as higher costs for fringe benefits, especially health insurance. Contract Services are increasing due to general inflationary increases, as well as new contracts, including one for diversity, equity and inclusion training and another for audio/visual services previously paid by the Information Services Department. Other Costs overall are decreasing in FY 2026 as only odd-numbered fiscal years have election costs. Despite that decrease, increases in the budget include: new Annual Water Quality Report regulations, which require twice-per-year mailings effective January 2027; adding advertising costs, which were not budgeted in the previous cycle; and costs associated with outreach events with Board members.

**FY 2027**

Total Labor and Benefit costs are increasing in FY 2027 due to expectations for salary increases related to career advancement and general expectations for inflationary pressures on labor costs. The major driver of the significant increase to Other Costs is the increase in budget for the November 2026 election.

**Staffing Summary**

The table below summarizes the staffing changes and transfers that have occurred among departments. In FY 2026, the department's staff is growing by 2.50 FTE. There are no changes to the department's staffing in FY 2027.

*Office of the General Manager Staffing Summary***Department Staffing Summary and Comparison (FTE)**

| Position Type               | FY 2023      | FY 2024      | FY 2025      | FY 2026      | Change      | FY 2027      | Change   |
|-----------------------------|--------------|--------------|--------------|--------------|-------------|--------------|----------|
| Full-Time                   | 49.00        | 52.00        | 52.00        | 52.00        | -           | 52.00        | -        |
| Limited-Term / Temp. Const. | 2.00         | 15.00        | 15.00        | 18.00        | 3.00        | 18.00        | -        |
| Intermittent                | -            | -            | -            | -            | -           | -            | -        |
| Temporary / Part-Time       | 6.50         | 13.50        | 13.50        | 13.00        | (0.50)      | 13.00        | -        |
| <b>Total FTE</b>            | <b>57.50</b> | <b>80.50</b> | <b>80.50</b> | <b>83.00</b> | <b>2.50</b> | <b>83.00</b> | <b>-</b> |

**Staffing Changes**

The table below summarizes the FTE changes excluding transfers among departments.

*Office of the General Manager Staffing Changes***FY 2026 & FY 2027 Department Staffing Changes**

| FY   | Board Action      | From Classification                | From Character | To Classification                 | To Character | Cost Change | FTE Change | Purpose, Project or Program                          |
|------|-------------------|------------------------------------|----------------|-----------------------------------|--------------|-------------|------------|--|
| 2026 | Add               |                                    |                | Outreach and Education Specialist | P/T          | 190,784     | 1.00       | Enhance school field trips and community education   |
| 2026 | Convert Character | Ranger/Naturalist I/II             | P/T            | Ranger/Naturalist I/II            | L/T          | 74,622      | 0.50       | Provide improved workforce development opportunities |
| 2026 | Delete            | Information Technology Intern I/II | TEMP           |                                   |              | (63,943)    | (0.50)     | Position no longer needed                            |
| 2026 | Delete            | Information Technology Intern I/II | TEMP           |                                   |              | (63,943)    | (0.50)     | Position no longer needed                            |
| 2026 | Delete            | Ranger/Naturalist I/II             | P/T            |                                   |              | (75,764)    | (0.50)     | Replaced with L/T position                           |

Two Part-Time Community Education and Outreach Specialist positions will be added (for a total of 1.00 FTE) to the Office of Public Affairs to enhance school field trips and community education. These are replacing two Temporary positions (1.00 FTE combined) that will be deleted as the positions are no longer needed. One Part-Time Ranger/Naturalist I/II position will be converted to Limited-Term and another Part-Time Ranger/Naturalist I/II will be deleted, for no net change in FTE; these actions will improve workforce development opportunities as the Limited-Term positions are better suited for training and development opportunities in the watershed and at recreation areas.

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## OPERATIONS AND MAINTENANCE SUPPORT DEPARTMENT

The Operations and Maintenance Support Department (OSD) is responsible for managing and improving the operational information systems, water system infrastructure, processes, and assets, and providing District-wide support and leadership in health and safety, environmental compliance, emergency preparedness, business continuity, and facility security.

### Description of Services Provided

The department includes the Regulatory Compliance and Administrative Support divisions. Regulatory Compliance provides environmental compliance guidance and assistance, security services, emergency preparedness support, and workplace health and safety support to the entire District. Administrative Support provides departmental administrative services, technical review and oversight of water quality issues at the treatment plants and in the distribution system, as well as review of upcoming legislative and regulatory changes that may impact water quality; develops and maintains work management systems and tools, including mobile and GIS technologies for field operations and staff; coordinates technical training and educational programs for department staff; and provides leadership and guidance for knowledge retention efforts.

### FY 2026 and FY 2027 Goals

The department has primary responsibility for leading the Water Quality and Environmental Protection Strategic Plan goal and supporting the Customer and Community Services and Workforce Planning and Development goals. Key department goals include:

- Ensuring compliance with water discharge, air emission, and land disposal requirements to protect and preserve the environment;
- Supporting the accelerated pipeline infrastructure renewal capital program;
- Providing technical input and guidance in the development of the capital program for the water treatment plants (WTPs);
- Reviewing water quality data on a regular basis and assessing strategies for improvements;
- Operating and maintaining District facilities to anticipate and meet all water discharge, air emission, and land disposal regulations to protect and preserve the environment;
- Minimizing impacts to the environment by reducing, recycling, reusing and reclaiming waste, and by conserving natural resources;
- Supporting a safe and healthy workplace for all employees; and
- Maintaining active Emergency Preparedness and Business Continuity Programs to plan for and manage the District's functions during and following an emergency.

**Department Budget Summary**

The department's projected spending is compared to prior years in the table below.

*Operations and Maintenance Support Department Operating Budget Detail***Department Operating Budget Detail and Historical Comparison (\$ Thousands)**

| Category                         | FY 2023       | FY 2024       | FY 2025       | FY 2026       |              | FY 2027       |             |
|----------------------------------|---------------|---------------|---------------|---------------|--------------|---------------|-------------|
|                                  | Actuals       | Actuals       | Budget        | Budget        | % Change     | Budget        | % Change    |
| Total Labor and Benefits         | 14,426        | 15,336        | 15,536        | 18,101        | 16.5%        | 18,809        | 3.9%        |
| Less: Capital Labor and Benefits | 1,148         | 876           | 604           | 520           | -14.0%       | 539           | 3.7%        |
| Operating Labor and Benefits     | 13,278        | 14,460        | 14,932        | 17,582        | 17.8%        | 18,270        | 3.9%        |
| Contract Services                | 4,895         | 4,686         | 5,451         | 9,175         | 68.3%        | 9,532         | 3.9%        |
| Other Costs                      | 6,990         | 8,780         | 9,530         | 9,645         | 1.2%         | 10,266        | 6.4%        |
| <b>Operating Total</b>           | <b>25,163</b> | <b>27,926</b> | <b>29,912</b> | <b>36,402</b> | <b>21.7%</b> | <b>38,069</b> | <b>4.6%</b> |

**Budget Highlights**

The department's operating budget in FY 2026 is increasing \$6.5 million, or 21.7 percent, compared to FY 2025. In FY 2027, the budget will increase \$1.7 million, or 4.6 percent, compared to the first year of the biennial budget. Significant changes include:

**FY 2026**

Total labor and benefit costs are increasing in FY 2026 compared to the FY 2025 budget due to expectations for salary increases related to career advancement and general expectations for inflationary pressures on labor costs, as well as higher costs for fringe benefits, especially health insurance. Contract services costs are increasing due to large increases to security contracts as well as smaller increases in other contracts. Other Costs are increases primarily in laboratory services; fees and licenses; hazardous waste disposal; and spoils/sludge disposal.

**FY 2027**

Total labor and benefit costs are increasing in FY 2027 due to expectations for salary increases related to career advancement and general expectations for inflationary pressures on labor costs. Contract Services are expected to increase due to continued inflationary pressures. Other Costs are expected to increase due to laboratory services; fees and licenses; and computer software for environmental compliance and workplace health and safety management. Additionally, fees and licenses also continue to increase significantly, driven in part by increased reviews related to environmental protection.

**Staffing Summary**

The table below summarizes staffing changes, including transfers among departments, which accounts for the net increase in Full-Time FTEs for the department. In FY 2026, two Temporary Construction (T/C) positions will be added, as detailed on the next page.

*Operations and Maintenance Support Department Staffing Summary***Department Staffing Summary and Comparison (FTE)**

| Position Type               | FY 2023      | FY 2024      | FY 2025      | FY 2026      | Change      | FY 2027      | Change   |
|-----------------------------|--------------|--------------|--------------|--------------|-------------|--------------|----------|
| Full-Time                   | 55.00        | 55.00        | 55.00        | 56.00        | 1.00        | 56.00        | -        |
| Limited-Term / Temp. Const. | -            | 1.00         | 1.00         | 3.00         | 2.00        | 3.00         | -        |
| Intermittent                | -            | -            | -            | -            | -           | -            | -        |
| Temporary / Part-Time       | -            | -            | -            | -            | -           | -            | -        |
| <b>Total FTE</b>            | <b>55.00</b> | <b>56.00</b> | <b>56.00</b> | <b>59.00</b> | <b>3.00</b> | <b>59.00</b> | <b>-</b> |



**Staffing Changes***Operations and Maintenance Support Department Staffing Changes***FY 2026 & FY 2027 Department Staffing Changes**

| <b>FY</b> | <b>Board Action</b> | <b>From Classification</b> | <b>From Character</b> | <b>To Classification</b>               | <b>To Character</b> | <b>Cost Change</b> | <b>FTE Change</b> | <b>Purpose, Project or Program</b>                   |
|-----------|---------------------|----------------------------|-----------------------|--|---------------------|--------------------|-------------------|--|
| 2026      | Add                 |                            |                       | Information Systems Support Analyst II | T/C                 | 465,522            | 2.00              | Support work management software replacement project |

In FY 2026, two T/C Information Systems Support Analyst II will be added to support the work management software replacement project.

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## WATER OPERATIONS DEPARTMENT

### Overview

The Water Operations Department (WOD) is responsible for the operation and maintenance of all water and power generation facilities spanning six counties, including the Freeport Regional Water Authority facilities. Duties include oversight at all raw and treated water operations, dam operation and maintenance, support for water supply projects, support for water rights negotiation and interpretation, and management of the District's federal Central Valley Project supply.

### Description of Services Provided

The department includes Facilities Maintenance and Construction, Water Supply, and Water Treatment and Distribution divisions. Facilities Maintenance and Construction provides support for the water treatment and distribution infrastructure and other facilities including the computer systems used to operate the water system. Water Supply is responsible for raw water operation including flood control and Mokelumne River regulation, maintaining the District's aqueduct rights of way, operation and maintenance of upcountry water and wastewater systems and facilities, water system regulatory compliance and monitoring, water customer complaint investigation, and emergency response preparedness. Water Treatment and Distribution is responsible for providing high quality water by meeting or exceeding public health and water quality standards.

### FY 2026 and FY 2027 Goals

The department has a key role in implementing the Water Quality and Environmental Protection Strategic Plan goal. Key department goals include:

- Implementing OP/NET system improvements and cyber security controls for the industrial control systems and centralized security systems;
- Operating the water system to meet multiple objectives including municipal water supply, water quality, power generation, river flow regulation, environmental protection, and flood control;
- Meeting Joint Settlement Agreement (JSA) Mokelumne River minimum flow releases 100 percent of the time;
- Improving maintenance programs and asset management;
- Meeting water quality regulations and water quality goals 100 percent of the time;
- Managing Freeport Regional Water Facilities and other supplemental supply projects and supporting development of new supply projects;
- Operating the water system efficiently to minimize costs; and
- Leading the District's Energy Management Strategy.

**Department Budget Summary**

The department's projected spending is compared to prior years in the table below.

*Water Operations Department Operating Budget Detail***Department Operating Budget Detail and Historical Comparison (\$ Thousands)**

| Category                         | FY 2023        | FY 2024        | FY 2025        | FY 2026        |             | FY 2027        |             |
|----------------------------------|----------------|----------------|----------------|----------------|-------------|----------------|-------------|
|                                  | Actuals        | Actuals        | Budget         | Budget         | % Change    | Budget         | % Change    |
| Total Labor and Benefits         | 69,295         | 76,722         | 78,498         | 83,924         | 6.9%        | 87,566         | 4.3%        |
| Less: Capital Labor and Benefits | 5,760          | 6,614          | 5,420          | 5,914          | 9.1%        | 6,276          | 6.1%        |
| Operating Labor and Benefits     | 63,535         | 70,108         | 73,078         | 78,011         | 6.7%        | 81,290         | 4.2%        |
| Contract Services                | 3,835          | 5,191          | 5,831          | 6,734          | 15.5%       | 7,017          | 4.2%        |
| Other Costs                      | 37,956         | 41,229         | 47,029         | 46,087         | -2.0%       | 47,952         | 4.0%        |
| <b>Operating Total</b>           | <b>105,325</b> | <b>116,528</b> | <b>125,938</b> | <b>130,832</b> | <b>3.9%</b> | <b>136,259</b> | <b>4.1%</b> |

**Budget Highlights**

The department's operating budget in FY 2026 is increasing \$4.9 million, or 3.9 percent, compared to FY 2025. In FY 2027, the budget will increase \$5.4 million, or 4.1 percent, compared to the first year of the biennial budget. Significant changes include:

**FY 2026**

Total labor and benefit costs are increasing in FY 2026 compared to the FY 2025 budget due to expectations for salary increases related to career advancement and general expectations for inflationary pressures on labor costs, as well as higher costs for fringe benefits, especially health insurance. Contract Services are expected to increase due to new specialized outside services and professional services. Other Costs are expected to decrease primarily due to a reduction in energy costs for water treatment as a result of a lower projected PG&E rate increase for FY2026 over the prior fiscal year.

**FY 2027**

Total labor and benefit costs are increasing in FY 2027 due to expectations for salary increases related to career advancement and general expectations for inflationary pressures on labor costs. Contract services are expected to slightly increase, with small increases for continued inflation. Other costs are expected to increase due to continued inflationary pressures on chemical and energy costs.

**Staffing Summary**

The table below summarizes the staffing changes and transfers that have occurred among departments. In FY 2026, there is a net decrease of one Full-Time FTE due to various position transfers between departments. Additionally, two Limited-Term FTEs will be transferred to the Office of Diversity, Equity and Culture in the Office of the General Manager to support a coordinated trades development program.

*Water Operations Department Operating Staffing Summary***Department Staffing Summary and Comparison (FTE)**

| Position Type               | FY 2023       | FY 2024       | FY 2025       | FY 2026       | Change        | FY 2027       | Change   |
|-----------------------------|---------------|---------------|---------------|---------------|---------------|---------------|----------|
| Full-Time                   | 333.00        | 334.00        | 334.00        | 333.00        | (1.00)        | 333.00        | -        |
| Limited-Term / Temp. Const. | 4.00          | 3.00          | 3.00          | 1.00          | (2.00)        | 1.00          | -        |
| Intermittent                | 0.75          | 0.75          | 0.75          | 0.75          | -             | 0.75          | -        |
| Temporary / Part-Time       | 2.00          | 1.50          | 1.50          | 1.50          | -             | 1.50          | -        |
| <b>Total FTE</b>            | <b>339.75</b> | <b>339.25</b> | <b>339.25</b> | <b>336.25</b> | <b>(3.00)</b> | <b>336.25</b> | <b>-</b> |

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## WATER RECYCLING PROGRAM

### Overview

The Water Recycling Program (WRP) develops and implements projects that provide recycled water for appropriate uses by the District and its customers to reduce the demand on high-quality drinking water supplies.

### Description of Services Provided

The program operates and maintains the North Richmond Water Reclamation Plant (NRWRP) and the Richmond Advance Recycled Expansion (RARE) facility that provide recycled water for use in the Chevron refinery, and the East Bayshore Recycled Water Recycling Facility (EBWRF) treatment facility that provides recycled water to customers for irrigation applications. While this program is managed and budgeted under the Water System, the Wastewater Department is responsible for the ongoing operations and maintenance of the facilities that produce recycled water.

### FY 2026 and FY 2027 Goals

The department supports the Long-Term Water Supply Strategic Plan goal. Key goals include:

- Maintaining all equipment in operable condition to maximize recycled water production;
- Upgrading equipment to increase overall output to greater than 3.5 million gallons per day (MGD) including procurement and installation of new microfiltration membranes at RARE;
- Assisting with the NRWRP Engineering Study and Tracer Study required by the Department of Health;
- Adding dual cellular wireless equipment to eliminate frequent communications outages at NRWRP; and
- Assisting with capital improvement designs for NRWRP and EBWRF.

**Department Budget Summary**

The department's projected spending is compared to prior years in the table below.

*Water Recycling Program Operating Budget Detail***Department Operating Budget Detail and Historical Comparison (\$ Thousands)**

| Category                         | FY 2023      | FY 2024      | FY 2025      | FY 2026      |              | FY 2027      |             |
|----------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------|
|                                  | Actuals      | Actuals      | Budget       | Budget       | % Change     | Budget       | % Change    |
| Total Labor and Benefits         | 2,276        | 2,424        | 2,342        | 2,706        | 15.5%        | 2,800        | 3.5%        |
| Less: Capital Labor and Benefits | 60           | -            | 19           | 26           | 32.1%        | 27           | 3.9%        |
| Operating Labor and Benefits     | 2,216        | 2,424        | 2,323        | 2,680        | 15.4%        | 2,773        | 3.5%        |
| Contract Services                | 86           | 131          | 252          | 226          | -10.5%       | 229          | 1.4%        |
| Other Costs                      | 4,282        | 4,776        | 5,649        | 5,263        | -6.8%        | 5,502        | 4.5%        |
| <b>Operating Total</b>           | <b>6,583</b> | <b>7,331</b> | <b>8,224</b> | <b>8,169</b> | <b>-0.7%</b> | <b>8,504</b> | <b>4.1%</b> |

**Budget Highlights**

The department's operating budget in FY 2026 is decreasing \$0.1 million, or 0.7 percent, compared to FY 2025. In FY 2027, the budget will increase \$0.3 million, or 4.1 percent, compared to the first year of the biennial budget. Significant changes include:

**FY 2026**

Total labor and benefit costs are increasing in FY 2026 compared to the FY 2025 budget due to expectations for salary increases related to career advancement and general expectations for inflationary pressures on labor costs, as well as higher costs for fringe benefits, especially health insurance. In addition, one position was transferred from the Water Operations Department (WOD) to maintain sustainable staffing levels for operational support and reduce reliance on overtime. Contract Services are decreasing primarily because the tracer study at the North Richmond Water Reclamation Plant is budgeted under a different department. Other Costs are also decreasing due to reductions in chemicals and energy. The FY 2025 budget was influenced by rapid price increases; however, costs did not grow as significantly as anticipated and are being adjusted to align closer to actual spending trends.

**FY 2027**

Total labor and benefit costs are increasing in FY 2027 due to expectations for salary increases related to career advancement and general expectations for inflationary pressures on labor costs. Contract Services are essentially flat. Other Costs are expected to increase modestly due to general price inflation.

**Staffing Summary**

The table below summarizes the staffing changes and transfers that have occurred among departments. There is one transfer from WOD to support improved staffing levels.

*Water Recycling Program Staffing Summary***Department Staffing Summary and Comparison (FTE)**

| Position Type               | FY 2023     | FY 2024     | FY 2025     | FY 2026     | Change      | FY 2027     | Change   |
|-----------------------------|-------------|-------------|-------------|-------------|-------------|-------------|----------|
| Full-Time                   | 8.00        | 8.00        | 8.00        | 9.00        | 1.00        | 9.00        | -        |
| Limited-Term / Temp. Const. | -           | -           | -           | -           | -           | -           | -        |
| Intermittent                | -           | -           | -           | -           | -           | -           | -        |
| Temporary / Part-Time       | -           | -           | -           | -           | -           | -           | -        |
| <b>Total FTE</b>            | <b>8.00</b> | <b>8.00</b> | <b>8.00</b> | <b>9.00</b> | <b>1.00</b> | <b>9.00</b> | <b>-</b> |

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## WATER RESOURCES DEPARTMENT

### Overview

The Water Resources Department (WRD) develops and administers the plans, policies, and programs necessary to protect existing District water resources, develop supplemental water supplies, and administer the District's Federal Energy Regulatory Commission program.

### Description of Services Provided

The department includes the Environmental Affairs Office, and the Water Resources Planning and Water Supply Improvements divisions. The Environmental Affairs Office provides technical and policy evaluation and advocacy on state and federal plans to restore the San Francisco Bay-Delta ecosystem, capital projects support for the Natural Resources Department, and technical support, legislative review, and policy development related to sustainability and climate change. The Water Resources Planning Division administers the District's licenses, permits, and agreements for current water supplies and hydropower facilities; conducts water resource modeling to support operations and planning; performs hydrologic and hydraulic analysis of the District's facilities; and prepares reports and plans needed to comply with state and federal regulations. The Water Supply Improvements Division plans and implements supplemental supply and water recycling projects needed to meet current and future water supply needs.

### FY 2026 and FY 2027 Goals

The department is primarily responsible for the Long-Term Water Supply Strategic Plan goal. Key department goals include:

- Preserving and managing the District's Mokelumne and East Bay water rights entitlements and agreements, complying with and seeking renewal of the District's Federal Energy Regulatory Commission (FERC) hydropower license, and complying with the U.S. Bureau of Reclamation Central Valley Project contract entitlements;
- Continuing collaborative partnerships for ensuring dry-year water supply including long-term water transfer agreements with Placer County Water Agency and with Yuba Water Agency/Contra Costa Water District, development of a long-term groundwater banking project with San Joaquin County and other partners, regional water supply reliability partnerships in the Bay Area and with upcountry agencies, and Groundwater Sustainability Plan compliance activities;
- Preparing the 2025 Urban Water Management Plan, a comprehensive five-year water supply plan that incorporates the state mandated Water Shortage Contingency Plan;
- Continuing to expand use of recycled water to further reduce demand on Mokelumne River and East Bay water supplies, secure supplemental supply arrangement for DERWA to facilitate project expansion, and develop an outreach, education and messaging plan to support a future potable reuse (purified water) program as part of the long-term recycled water goal;
- Participating in State Water Resources Control Board hearings on the Water Quality Control Plan and development of the associated Healthy Rivers and Landscapes Program, and monitoring of the state's Delta Conveyance Project to ensure compliance with settlement agreements; and
- Continuing to work collaboratively with other departments to incorporate Climate Change adaptation and mitigation strategies into key District planning efforts and initiatives.

**Department Budget Summary**

The department's projected spending is compared to prior years in the table below.

*Water Resources Department Operating Budget Detail***Department Operating Budget Detail and Historical Comparison (\$ Thousands)**

| Category                         | FY 2023       | FY 2024       | FY 2025       | FY 2026       |              | FY 2027       |             |
|----------------------------------|---------------|---------------|---------------|---------------|--------------|---------------|-------------|
|                                  | Actuals       | Actuals       | Budget        | Budget        | % Change     | Budget        | % Change    |
| Total Labor and Benefits         | 9,548         | 10,114        | 10,118        | 10,902        | 7.7%         | 11,362        | 4.2%        |
| Less: Capital Labor and Benefits | 1,573         | 2,214         | 1,858         | 1,096         | -41.0%       | 1,145         | 4.4%        |
| Operating Labor and Benefits     | 7,975         | 7,900         | 8,260         | 9,805         | 18.7%        | 10,217        | 4.2%        |
| Contract Services                | 348           | 34            | 190           | 680           | 257.9%       | 650           | -4.4%       |
| Other Costs                      | 2,204         | 3,186         | 3,389         | 4,323         | 27.5%        | 4,561         | 5.5%        |
| <b>Operating Total</b>           | <b>10,527</b> | <b>11,120</b> | <b>11,840</b> | <b>14,808</b> | <b>25.1%</b> | <b>15,428</b> | <b>4.2%</b> |

**Budget Highlights**

The department's operating budget in FY 2026 is increasing \$3.0 million, or 25.1 percent, compared to FY 2025. In FY 2027, the budget will increase \$0.6 million, or 4.2 percent, compared to the first year of the biennial budget. Significant changes include:

**FY 2026**

Total labor and benefit costs are increasing in FY 2026 compared to the FY 2025 budget due to expectations for salary increases related to career advancement and general expectations for inflationary pressures on labor costs, as well as higher costs for fringe benefits, especially healthcare insurance. Operating Labor is increasing due to a shift to the operating budget for water supply project planning. The rise in Contract Services is largely due to contracted support for new water supply projects, previously budgeted as capital expenses. Other Costs increases are for fees to the Dublin San Ramon Services District-EBMUD Recycled Water Authority (DERWA) and water right fees paid to the State Water Resources Board.

**FY 2027**

Total labor and benefit costs are increasing in FY 2027 due to expectations for salary increases related to career advancement and general expectations for inflationary pressures on labor costs. Contract Services are essentially flat, with just a \$30,000 reduction in FY 2027. Other Costs are expected to increase primarily related to DERWA.

**Staffing Summary**

The table below summarizes any staffing changes and transfers that have occurred among departments. There are no staffing changes in WRD.

*Water Resources Department Staffing Summary***Department Staffing Summary and Comparison (FTE)**

| Position Type               | FY 2023      | FY 2024      | FY 2025      | FY 2026      | Change   | FY 2027      | Change   |
|-----------------------------|--------------|--------------|--------------|--------------|----------|--------------|----------|
| Full-Time                   | 35.00        | 35.00        | 35.00        | 35.00        | -        | 35.00        | -        |
| Limited-Term / Temp. Const. | 2.00         | -            | -            | -            | -        | -            | -        |
| Intermittent                | -            | -            | -            | -            | -        | -            | -        |
| Temporary / Part-Time       | -            | -            | -            | -            | -        | -            | -        |
| <b>Total FTE</b>            | <b>37.00</b> | <b>35.00</b> | <b>35.00</b> | <b>35.00</b> | <b>-</b> | <b>35.00</b> | <b>-</b> |

## Staffing

### Appointment Types

The majority of the workforce is comprised of full-time civil service or full-time civil service exempt positions. Limited-term positions are intended to augment regular staff to accomplish extra work or other operational programs or activities of a limited duration, with appointments for a maximum of four years. Temporary construction positions are also of a limited and specified duration typically associated with capital projects. Intermittent positions represent the smallest number of appointment types and typically work 32 hours instead of 40 hours per week. Part-time positions are typically restricted to 832 hours per year. Temporary positions are limited to a six-month duration and are full-time during that duration.

### DEPARTMENT STAFFING SUMMARY

The table below provides the full-time equivalent (FTE) by department and compares the changes from year-to-year. Depending upon the appointment type, the FTE value will be different.

- Full-time, limited-term, and temporary construction appointment types equal 1.0 FTE;
- Intermittent appointment types equal 0.75 FTE; and
- Part-time and temporary appointment types equal 0.5 FTE.

#### *Water System Department Staffing Summary*

| FY 2026 & FY 2027 Department Staffing (FTE) |                 |                 |             |                 |             |
|---|-----------------|-----------------|-------------|-----------------|-------------|
| Department                                  | FY 2025         | FY 2026         |             | FY 2027         |             |
|   | Budget          | Budget          | FTE Change  | Budget          | FTE Change  |
| Administration                              | 1.00            | 1.00            | -           | 1.00            | -           |
| Customer & Community Services               | 139.50          | 137.50          | (2.00)      | 137.50          | -           |
| Engineering & Construction                  | 294.00          | 292.00          | (2.00)      | 292.00          | -           |
| Drought                                     | 15.00           | 15.00           | -           | 15.00           | -           |
| Finance                                     | 99.50           | 102.00          | 2.50        | 102.00          | -           |
| Human Resources                             | 46.50           | 48.00           | 1.50        | 48.00           | -           |
| Information Systems                         | 96.00           | 98.00           | 2.00        | 98.00           | -           |
| Maintenance & Construction                  | 632.50          | 633.50          | 1.00        | 635.50          | 2.00        |
| Natural Resources                           | 68.50           | 70.50           | 2.00        | 70.50           | -           |
| Office of the General Counsel               | 16.50           | 16.50           | -           | 16.50           | -           |
| Office of the General Manager               | 80.50           | 83.00           | 2.50        | 83.00           | -           |
| Operations & Maintenance Support            | 56.00           | 59.00           | 3.00        | 59.00           | -           |
| Water Operations                            | 339.25          | 336.25          | (3.00)      | 336.25          | -           |
| Water Recycling Program                     | 8.00            | 9.00            | 1.00        | 9.00            | -           |
| Water Resources                             | 35.00           | 35.00           | -           | 35.00           | -           |
| <b>Total FTE</b>                            | <b>1,927.75</b> | <b>1,936.25</b> | <b>8.50</b> | <b>1,938.25</b> | <b>2.00</b> |

In FY 2026, a net total of 8.5 FTEs are being added to the Water System. In FY 2027, two full-time FTEs will be added in the Maintenance & Construction Department. For a more detail description of the staffing changes, please see the specific department pages earlier in this chapter.



**BARGAINING UNIT CHANGES**

Tables below show the net change in bargaining unit status of authorized FTEs represented by different unions, management/confidential, non-represented groups, and civil service exempt positions. The tables reflect Board of Directors authorized additions and deletions in FY 2026 and FY 2027 and correspond to the staffing changes table in each department.

*FY 2026 vs FY 2025 Water System Department Changes in Bargaining Units***FY 2026 vs FY 2025 Department Net Change in Bargaining Unit Status (FTE)**

| Department                       | Local 2019  | Local 444   | Local 21    | Local 39 | MGR / CONF  | NRP           | EXMPT    |
|----------------------------------|-------------|-------------|-------------|----------|-------------|---------------|----------|
| Administration                   | -           | -           | -           | -        | -           | -             | -        |
| Customer & Community Services    | (1.50)      | -           | -           | -        | -           | (0.50)        | -        |
| Engineering & Construction       | (1.00)      | -           | -           | -        | (1.00)      | -             | -        |
| Drought                          | -           | -           | -           | -        | -           | -             | -        |
| Finance                          | (1.00)      | 0.50        | -           | -        | 3.00        | -             | -        |
| Human Resources                  | -           | -           | -           | -        | 1.50        | -             | -        |
| Information Systems              | 2.00        | -           | -           | -        | -           | -             | -        |
| Maintenance & Construction       | (1.00)      | 2.00        | -           | -        | -           | -             | -        |
| Natural Resources                | 2.00        | -           | -           | -        | -           | -             | -        |
| Office of the General Counsel    | -           | -           | -           | -        | -           | -             | -        |
| Office of the General Manager    | (1.00)      | 2.00        | 1.00        | -        | 0.50        | -             | -        |
| Operations & Maintenance Support | 3.00        | -           | -           | -        | -           | -             | -        |
| Water Operations                 | -           | (3.00)      | -           | -        | -           | -             | -        |
| Water Recycling Program          | -           | 1.00        | -           | -        | -           | -             | -        |
| Water Resources                  | -           | -           | -           | -        | -           | -             | -        |
| <b>Total FTE</b>                 | <b>1.50</b> | <b>2.50</b> | <b>1.00</b> | <b>-</b> | <b>4.00</b> | <b>(0.50)</b> | <b>-</b> |

*FY 2027 vs FY 2026 Water System Department Changes in Bargaining Units***FY 2027 vs FY 2026 Department Net Change in Bargaining Unit Status (FTE)**

| Department                       | Local 2019 | Local 444   | Local 21 | Local 39 | MGR / CONF | NRP      | EXMPT    |
|----------------------------------|------------|-------------|----------|----------|------------|----------|----------|
| Administration                   | -          | -           | -        | -        | -          | -        | -        |
| Customer & Community Services    | -          | -           | -        | -        | -          | -        | -        |
| Engineering & Construction       | -          | -           | -        | -        | -          | -        | -        |
| Drought                          | -          | -           | -        | -        | -          | -        | -        |
| Finance                          | -          | -           | -        | -        | -          | -        | -        |
| Human Resources                  | -          | -           | -        | -        | -          | -        | -        |
| Information Systems              | -          | -           | -        | -        | -          | -        | -        |
| Maintenance & Construction       | -          | 2.00        | -        | -        | -          | -        | -        |
| Natural Resources                | -          | -           | -        | -        | -          | -        | -        |
| Office of the General Counsel    | -          | -           | -        | -        | -          | -        | -        |
| Office of the General Manager    | -          | -           | -        | -        | -          | -        | -        |
| Operations & Maintenance Support | -          | -           | -        | -        | -          | -        | -        |
| Water Operations                 | -          | -           | -        | -        | -          | -        | -        |
| Water Recycling Program          | -          | -           | -        | -        | -          | -        | -        |
| Water Resources                  | -          | -           | -        | -        | -          | -        | -        |
| <b>Total FTE</b>                 | <b>-</b>   | <b>2.00</b> | <b>-</b> | <b>-</b> | <b>-</b>   | <b>-</b> | <b>-</b> |

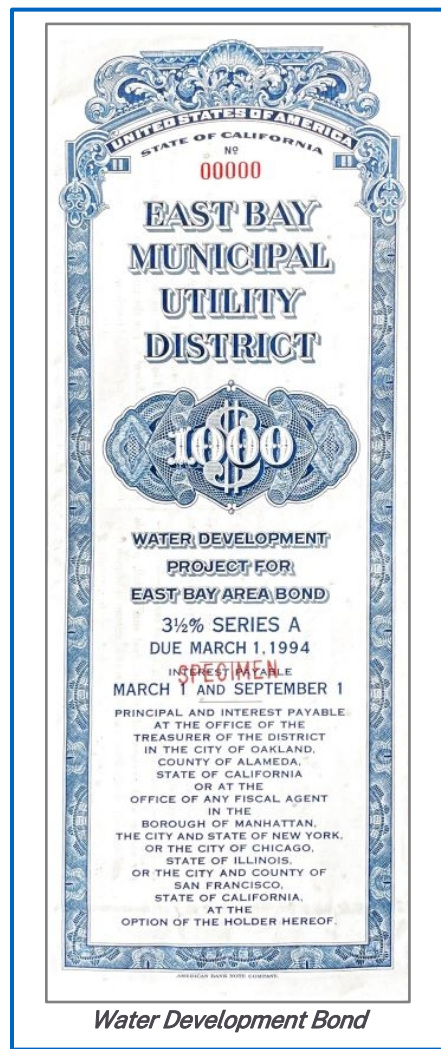
## Debt Service and Financing

### OVERVIEW

This section describes the Water System's current and projected debt obligations, current credit ratings, and adherence to the District's debt financing policies.

The District incurs debt to finance capital projects or purchase, repair or replace assets which will have useful lives equal to or greater than the related debt. Issuance of revenue supported debt is authorized by the Board of Directors, subject to a referendum process. Individual revenue bond issues are authorized by the Board of Directors.

The annual debt service principal and interest payments are charged to the operating budget. However, debt is only issued to finance capital investment activities.



## OUTSTANDING DEBT

The Water System's total outstanding debt is projected to be \$2.71 billion as of March 31, 2025. The District's debt issues are summarized on the following page and discussed in detail thereafter.

*Water System Debt Outstanding*

| Debt Outstanding<br>Projected as of March 31, 2025 |               |               |                          |                               |
|--|---------------|---------------|--------------------------|-------------------------------|
| Issue  | Date of Issue | Last Maturity | Issued<br>(\$ Thousands) | Outstanding<br>(\$ Thousands) |
| <b>Long-Term Debt</b>                              |               |               |                          |                               |
| <b>Revenue Bonds</b>                               |               |               |                          |                               |
| Series 2010B (Build America Bonds)                 | 2/23/2010     | 6/1/2040      | 400,000                  | 400,000                       |
| Series 2014B                                       | 6/11/2014     | 6/1/2030      | 242,730                  | 98,030                        |
| Series 2015A                                       | 3/3/2015      | 6/1/2037      | 429,360                  | 391,455                       |
| Series 2015B                                       | 6/17/2015     | 6/1/2045      | 74,335                   | 70,065                        |
| Series 2015C                                       | 6/17/2015     | 6/1/2045      | 110,715                  | 108,215                       |
| Series 2017A                                       | 6/22/2017     | 6/1/2045      | 185,355                  | 185,355                       |
| Series 2017B                                       | 6/22/2017     | 6/1/2037      | 309,665                  | 296,160                       |
| Series 2019A                                       | 6/27/2019     | 6/1/2049      | 161,820                  | 148,510                       |
| Series 2022A                                       | 6/21/2022     | 6/1/2052      | 133,950                  | 133,645                       |
| Series 2022B-1                                     | 6/21/2022     | 6/1/2037      | 72,105                   | 71,915                        |
| Series 2022B-2                                     | 6/21/2022     | 6/1/2034      | 103,850                  | 94,915                        |
| Series 2024A                                       | 3/5/2024      | 6/1/2054      | 245,285                  | 245,285                       |
| Series 2024B                                       | 3/5/2024      | 6/1/2044      | 180,715                  | 180,715                       |
| <b>Total Revenue Bonds</b>                         |               |               | <b>2,649,885</b>         | <b>2,424,265</b>              |
| % of Total Outstanding Debt                        |               |               |                          | 89.4%                         |
| <b>Loans</b>                                       |               |               |                          |                               |
| State Loan (parity)                                | 5/22/2008     | 4/1/2028      | 20,100                   | 4,752                         |
| State Loan (parity)                                | 12/14/2017    | 7/1/2048      | 13,998                   | 11,926                        |
| State Loan (parity)                                | 4/18/2018     | 7/1/2049      | 12,045                   | 10,338                        |
| <b>Total Loans</b>                                 |               |               | <b>46,143</b>            | <b>27,016</b>                 |
| % of Total Outstanding Debt                        |               |               |                          | 1.0%                          |
| <b>Total Long-Term Debt</b>                        |               |               | <b>2,696,028</b>         | <b>2,451,281</b>              |
| <b>Short-Term Debt</b>                             |               |               |                          |                               |
| <b>Commercial Paper</b>                            |               |               |                          |                               |
| Commercial Paper                                   | Various       | Various       | N/A                      | 261,000                       |
| <b>Total Commercial Paper</b>                      |               |               | <b>-</b>                 | <b>261,000</b>                |
| % of Total Outstanding Debt                        |               |               |                          | 9.6%                          |
| <b>Total Short-Term Debt</b>                       |               |               |                          | <b>261,000</b>                |
| <b>Total Outstanding Debt</b>                      |               |               |                          | <b>2,712,281</b>              |

The District plans to issue \$355 million in revenue bonds in FY 2026, and in FY 2027, the District plans to issue \$345 million in revenue bonds.

## DEBT SERVICE

The Water System's total outstanding debt of \$2.71 billion as of March 31, 2025 is projected to cost \$1.42 billion in interest as shown in the table below. The principal includes planned annual pay down of Commercial Paper (CP). However, CP has no final maturity and the CP principal pay down schedule could differ. Interest on CP is assumed to be 3.5 percent in FY 2026 and FY 2027 and will decline to 3.0 percent starting in FY 2028.

*Water System Projected Debt Service on Current Debt*

| Debt Service on Current Outstanding Debt (\$ Thousands) |                  |                  |                  |
|---|------------------|------------------|------------------|
| Projected as of March 31, 2025                          |                  |                  |                  |
| Fiscal Year   | Principal        | Interest         | Debt Service     |
| 2026  | 99,314           | 127,245          | 226,559          |
| 2027  | 101,850          | 122,493          | 224,343          |
| 2028  | 106,337          | 116,552          | 222,889          |
| 2029  | 111,095          | 111,493          | 222,588          |
| 2030  | 116,123          | 106,165          | 222,288          |
| 2031  | 121,407          | 100,586          | 221,993          |
| 2032  | 126,951          | 94,742           | 221,694          |
| 2033  | 142,766          | 88,623           | 231,388          |
| 2034  | 163,595          | 82,191           | 245,786          |
| 2035  | 189,680          | 75,060           | 264,741          |
| 2036  | 154,145          | 66,787           | 220,933          |
| 2037  | 161,516          | 59,114           | 220,630          |
| 2038  | 169,481          | 50,851           | 220,333          |
| 2039  | 167,767          | 41,665           | 209,433          |
| 2040  | 99,478           | 32,398           | 131,876          |
| 2041  | 81,630           | 27,447           | 109,077          |
| 2042  | 76,067           | 23,708           | 99,775           |
| 2043  | 78,684           | 20,072           | 98,756           |
| 2044  | 82,381           | 16,370           | 98,751           |
| 2045  | 61,929           | 12,492           | 74,421           |
| 2046  | 23,877           | 9,646            | 33,522           |
| 2047  | 25,035           | 8,487            | 33,522           |
| 2048  | 26,258           | 7,271            | 33,529           |
| 2049  | 27,220           | 5,993            | 33,213           |
| 2050  | 17,447           | 4,659            | 22,106           |
| 2051  | 18,055           | 3,795            | 21,850           |
| 2052  | 18,960           | 2,890            | 21,850           |
| 2053  | 18,925           | 1,940            | 20,865           |
| 2054  | 19,870           | 994              | 20,864           |
| <b>Total</b>  | <b>2,607,844</b> | <b>1,421,729</b> | <b>4,029,573</b> |

The debt service in the table is less than the budgeted debt service because the latter includes:

- Payments on new debt issues in FY 2025, FY 2026, and FY 2027; and
- Costs for trustee fees, liquidity fees, remarketing fees, and other debt service administration.

## DEBT RATINGS

Credit risk is the risk that the issuer of a financial obligation, such as a revenue bond, will not fulfill its payment obligations to the holder of the investment. Credit ratings are assigned to bonds by Nationally Recognized Statistical Credit Rating Organizations based on published methodologies. The ratings reflect the organizations' opinions about the issuer's ability and willingness to meet its financial obligations on time and in full.

The Water System's strong credit ratings provide tangible benefits to ratepayers in the form of reduced debt service costs. A strong credit rating provides better access to capital markets, lower interest rates, better terms on debt, and access to a greater variety of debt products. Prudent financial management policies have contributed to the Water System's strong ratings.

*Water System Debt Ratings*

| Water System Debt Ratings<br>As of March 1, 2025 |      |         |       |
|--|------|---------|-------|
| Debt by Type                                     | S&P  | Moody's | Fitch |
| Fixed Rate Revenue Bonds                         | AAA  | Aaa     | AA+   |
| Commercial Paper                                 | A-1+ | P-1     | F1+   |

Definitions of the District's fixed rate and long-term debt ratings are shown below.

### S&P

An obligation rated 'AAA' has the highest rating assigned by S&P Global Ratings. The obligor's capacity to meet its financial commitments on the obligation is extremely strong.

### Moody's

Obligations rated 'Aaa' by Moody's are judged to be of the highest quality, with minimal risk.

### Fitch

The 'AA' rating by Fitch denotes expectations of very low default risk. The rating indicates very strong capacity for payment of financial commitments. This capacity is not significantly vulnerable to foreseeable events. The modifiers "+" or "-" may be appended to a rating to denote relative status within major rating categories.

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## DEBT MANAGEMENT POLICY

The District is subject to legal debt limits prescribed in the Municipal Utility District (MUD) Act which describes three types of legal limitations: general debt limits, revenue bond limits, and short-term borrowing limits.

The District's general debt indebtedness cannot exceed the ordinary annual income and revenue of the District without a two-thirds approval of the voters. However, revenue bonds are not included in general debt limits.

The District is authorized to issue revenue bonds with the approval of a resolution from the Board of Directors, subject to a 60-day referendum period. The resolution specifies the maximum principal amount of bonds that may be issued pursuant to the authorization. The Board of Directors also approves individual series of revenue bonds issued under the broader authorization.

The MUD Act authorizes the District to issue short-term indebtedness without an election of the voters. The amount of short-term borrowing cannot exceed the lesser of: 1) the annual average total revenue of the three preceding years; or, 2) 25 percent of the District's total outstanding bonds. This provision is substantially the same as the District's internal policy discussed below.

The District has also established its own policy regarding debt management (Policy 4.27 – Debt Management). The purpose of the debt policy is to maintain a balance between current funding sources and debt financing over each five-year plan horizon to retain financing flexibility and achieve the lowest cost of financing.

The District's debt management policy is to:

- Maintain an annual revenue bond debt service coverage ratio of at least 1.60x;
- Limit debt-funded capital to no more than 65 percent of the total capital program over each five-year planning period; and
- Limit commercial paper and variable-rate debt to 25 percent of outstanding long-term debt.

## DEBT SERVICE COVERAGE RATIO

The debt service coverage policy ensures that the District has sufficient annual operating revenues to pay its operating expenses and meet its debt service obligations on its revenue bonds and other parity debt. The revenue bond debt service coverage ratio is defined as the District's net operating revenue (current year's operating revenue less the current year's operating expenses) divided by the current year's debt service on all revenue bonds and other parity debt. Net revenues are reduced by any Rate Stabilization Fund deposits and increased by any withdrawals.

In FY 2026 and FY 2027, the projected debt coverage ratios are 1.90x and 1.88x, respectively.

**DEBT-FUNDED CAPITAL**

The percentage of the capital program that is funded by debt over the five-year planning period FY 2026 to FY 2035 is projected at 33.0 percent, which is below the financial policy maximum target of 65 percent. The debt percentage funding levels for FY 2026 and FY 2027 are shown in the table below.

*Water System Debt Funded Capital*

| Projected Debt Funding of Capital (\$ Thousands) |                |                |
|--|----------------|----------------|
|  | FY 2026        | FY 2027        |
| <b>Capital Expenses</b>                          |                |                |
| Capital Cash Flow                                | 521,531        | 540,843        |
| Capital Support                                  | 58,000         | 58,000         |
| <b>Total Capital Expenses</b>                    | <b>579,531</b> | <b>598,843</b> |
| <b>Funding Sources</b>                           |                |                |
| New Bond Proceeds                                | 355,000        | 345,000        |
| Other Sources                                    | 224,531        | 253,843        |
| <b>Total Sources</b>                             | <b>579,531</b> | <b>598,843</b> |
| <b>Debt Percentage of Capital Funding</b>        | <b>61.3%</b>   | <b>57.6%</b>   |

**COMMERCIAL PAPER AND VARIABLE RATE DEBT RATIO**

The District has authorized a short-term CP borrowing program consistent with the MUD Act and the District's debt management policy. Under this program, the District may issue CP notes at prevailing interest rates for periods of not more than 270 days from the date of issuance. The program is supported by liquidity agreements. The Water System CP is subordinate to the Water System's revenue bonds.

As of June 30, 2025, \$261.0 million of Water System CP is projected to be outstanding after an anticipated partial pay down of principal in FY 2025. Water System CP comprises about 9.6 percent of the \$2.71 billion in total outstanding debt.

## Capital Improvement Program

### OVERVIEW

The Capital Improvement Program (CIP), an iterative process that involves the Office of Budget and Performance, project managers, and Senior Management staff, communicates the District's planned infrastructure investments for the next 10 years by identifying and prioritizing capital needs. Developed biennially and incorporated into the District-wide budget, the CIP is the District's opportunity to address new and ongoing capital needs.

The top organizing feature for the CIP are the Award Purposes, which are a group of related Awards, combined to facilitate planning, reporting, and decision-making. The 18 Water System Award Purposes are listed below.

#### *Water System CIP Award Purposes*

| CIP Award Purposes                           |
|--|
| <b>Water</b>                                 |
| District-Wide Building Facility Improvements |
| Environmental Resources & Remediation        |
| New Business Infrastructure                  |
| Pipelines - Distribution System              |
| Pipelines - Transmission                     |
| Pressure Zone Studies                        |
| Process & System-Wide Improvements           |
| Raw Water System                             |
| Recreation Areas & Facilities                |
| Regulators & Rate Control Stations           |
| Reservoirs - Distribution                    |
| Reservoirs - Supply                          |
| Supplemental Supply & Regional Agreements    |
| Sustainable Energy                           |
| Vehicles, Equipment & Related Facilities     |
| Water Recycling & Conservation               |
| Water Treatment                              |
| Contingency                                  |

### APPROPRIATION AND CASH FLOW OVERVIEW

There are two ways that the District considers the financial planning for the CIP:

- Capital appropriations are funds approved biennially by the Board to be spent on capital projects. While appropriations are approved biennially, their use may extend over multiple years. Appropriations are controlled at the Award level and vary from year-to-year depending upon the funding needs of the projected work and existing appropriations at the end of the prior year.
- Capital cash flows are a projection of the annual costs of each project over the planning horizon, on a year-by-year basis. Cash flows have typically been reported in the budget for five years, but in the current planning cycle, the District began more seriously considering the full ten-year cash-flow projection in order to better understand long-term project needs. Staff will continue to work to broaden the planning and reporting horizon to increase transparency of long-term infrastructure needs.

Each of these two concepts will be discussed in further detail throughout this section.

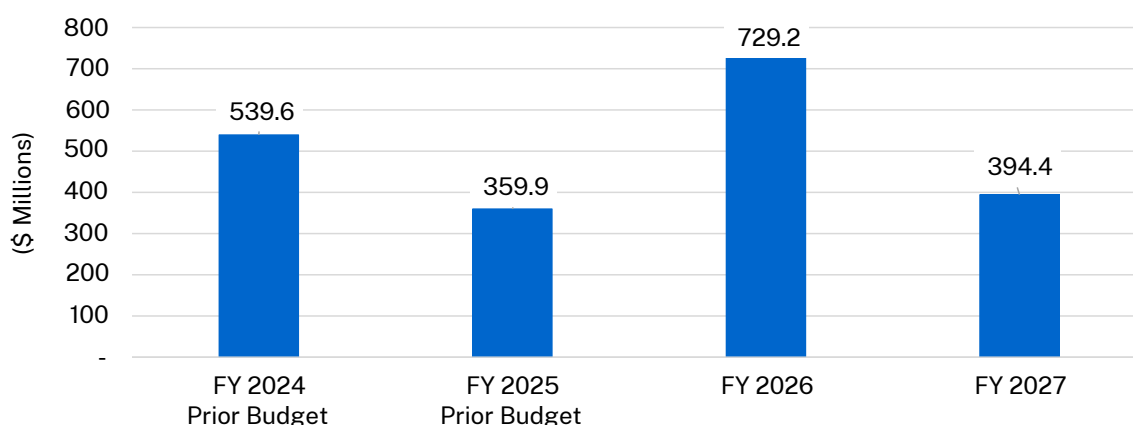


## APPROPRIATIONS

Adequate appropriations are necessary to complete the initiatives outlined in the CIP. Since appropriations are often spent over multiple years, the amounts appropriated for each fiscal year vary depending upon project scope and timing, and any unspent appropriation a project may already have.

The Water System's FY 2026 capital appropriation will increase by \$369.3 million or 103 percent from FY 2025. In FY 2027, the appropriation decreases by 46 percent from FY 2026. The first year's increase is particularly high due to several notable multi-year contracts that will be advertised for bid in FY 2026, while the work will be completed in FY 2027 or later. Appropriations for multi-year contracts are typically appropriated in the first year of the contract, to ensure funds are available when contracts are awarded. While the FY 2027 appropriations decrease, important work continues in the second year. Appropriations are summarized in the below chart.

*Water System Appropriations Current Budget Compared to Prior Budget by Fiscal Year*



## CASH FLOW

The FY 2026 - FY 2035 CIP is supported by capital cash flows that incorporate the following changes from previous CIP development processes.

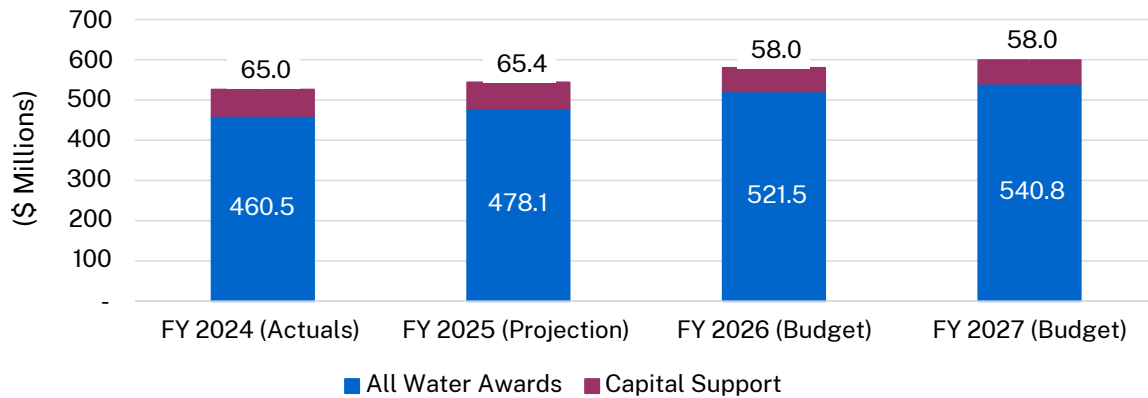
Cash flows were previously reported in the budget for five years, but this year there was an increased focus on the full 10-year projection of expenses. Forecasting out-years allows management and project managers to anticipate the funding needs for critical infrastructure initiatives. This is especially true as some key capital work will not be completed in the five-year horizon, so a longer-term scenario allows greater insight into needs. The longer-term outlook for rate increases also becomes clearer by extending the projection window.

This change is driven by the combination of increasing investments to replace and rehabilitate aging infrastructure, working towards meeting Board-set priorities, and increased labor and construction costs.

The FY 2026 - FY 2035 CIP is \$5.6 billion, including Capital Support. The CIP is driven by the combination of increasing investments to replace and rehabilitate aging infrastructure, working towards meeting Board-set priorities, and increased labor and construction costs. Capital Support, the indirect costs associated with capital work, increased to \$58.0 million annually for the current budget cycle, then by 3 percent annually for the remainder of the CIP.

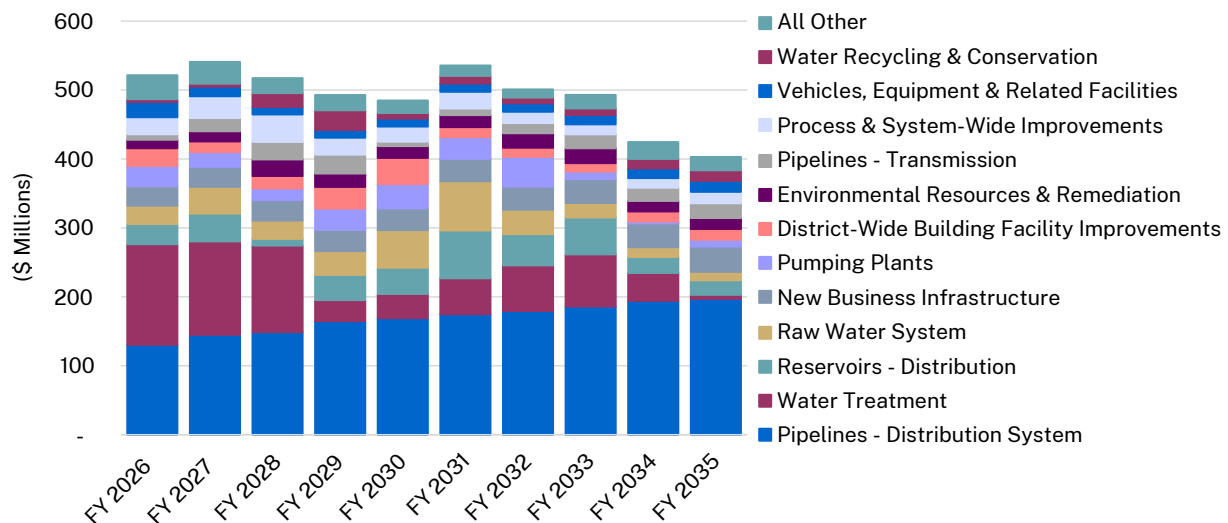
The four-year summary of capital cash flows highlights the changes in capital cash flows from the previous to the current biennial budget cycles.

*Water System Cash Flows Four-Year Summary*



The next chart showcases the current CIP by award purpose, highlighting the increasing investment contained in this CIP. Distribution System Pipelines, which includes the Pipeline Rebuild effort, Water Treatment, and Distribution Reservoirs account for more than half of the total planned capital expenses over the CIP.

*Water System FY 2026 - FY 2035 Cash Flows by Award Purpose (Excludes Capital Support)*



## CAPITAL LABOR

The capital labor component of the Water System's CIP totals \$116.6 million in FY 2026, an increase of \$2.8 million or 2.5 percent from FY 2025. This slight increase is driven by expectations for salary and benefit cost increases as well as a few additional positions, though it is offset by an expected reduction in labor charged to capital as the District continues to prioritize and control capital costs.

In the second year of the biennial budget, FY 2027, capital labor is projected to increase to \$122.3 million, for an increase of \$5.8 million or 4.9 percent over FY 2026, which is a more typical labor cost increase, driven by salary and benefit cost increases.

The following table shows the capital labor and benefits budget by department. Note that several departments' capital labor budgets are decreasing or going to zero as the District continues to adjust policies around capitalizing labor costs, particularly for software and other intangible-asset projects, such as studies.

*Water System Capital Labor Budget by Department*

| Capital Labor by Department (\$ Thousands) |                    |                   |                   |             |                   |             |
|--|--------------------|-------------------|-------------------|-------------|-------------------|-------------|
|  | FY 2024<br>Actuals | FY 2025<br>Budget | FY 2026<br>Budget | % Change    | FY 2027<br>Budget | % Change    |
| Administration                             | -                  | -                 | -                 | -           | -                 | -           |
| Customer & Community Services              | 391                | 642               | 608               | -5.3%       | 639               | 5.1%        |
| Engineering & Construction                 | 51,657             | 50,220            | 51,508            | 2.6%        | 53,767            | 4.4%        |
| Finance                                    | 91                 | 355               | 14                | -96.2%      | 14                | 0.0%        |
| Human Resources                            | 1                  | 638               | -                 | -100.0%     | -                 | -           |
| Information Systems                        | 246                | -                 | 1,138             | -           | 1,192             | 4.8%        |
| Maintenance & Construction                 | 53,031             | 53,871            | 55,321            | 2.7%        | 58,267            | 5.3%        |
| Natural Resources                          | 69                 | 85                | -                 | -100.0%     | -                 | -           |
| Office of the General Counsel              | -                  | -                 | -                 | -           | -                 | -           |
| Office of the General Manager              | 301                | -                 | 415               | -           | 459               | 10.6%       |
| Operations & Maintenance Support           | 876                | 604               | 520               | -14.0%      | 539               | 3.7%        |
| Water Operations                           | 6,614              | 5,420             | 5,914             | 9.1%        | 6,276             | 6.1%        |
| Water Recycling                            | -                  | 19                | 26                | 32.1%       | 27                | 3.9%        |
| Water Resources                            | 2,214              | 1,858             | 1,096             | -41.0%      | 1,145             | 4.4%        |
| <b>Total Departments</b>                   | <b>115,491</b>     | <b>113,712</b>    | <b>116,558</b>    | <b>2.5%</b> | <b>122,323</b>    | <b>4.9%</b> |

\*Drought Department is only budgeted during declared droughts, and only under Board direction.

Relative to operating labor, capital labor represents 25.2 percent of the FY 2026 total labor budget, and 25.3 percent of the FY 2027 total labor budget. The following pie charts show the relative size of the capital and operating labor budgets.

*Water System Operating and Capital Labor Split*

## CASH FLOWS AND APPROPRIATIONS BY AWARD PURPOSE

The following section outlines the CIP's capital cash flows and appropriations by award purpose and award. Select projects are discussed in detail to provide a sense of the work that is projected to take place in the following years.

### District-Wide Building Facility Improvements

This CIP will witness the completion of several facility renovations, including the Mokelumne and Orinda Watershed headquarters, and ongoing and new improvements to the Administrative Building (AB) and Adeline Maintenance Complex (AMC), which house the majority of the District's offices and employees. Enhancements include roofing, mechanicals and technology, as well as workspace and parking reconfigurations.

#### *District-Wide Building Facility Improvements - Cash Flows and Appropriations by Award Purpose*

| FY 2026 - FY 2035 Cash Flows and Appropriation by Award Purpose (\$ Thousands) |                  |               |               |               |                |                |
|--|------------------|---------------|---------------|---------------|----------------|----------------|
| Award Name   | Type             | FY 2026       | FY 2027       | 2-Year Total  | 5-Year Total   | 10-Year Total  |
| Building Facilities Improvements   | Cash Flow        | 19,829        | 9,820         | 29,649        | 98,197         | 130,982        |
| Building Facilities Improvements   | Approp.          | 1,545         | 1,061         |               |                |                |
| Facilities Cathodic Protection   | Cash Flow        | 653           | 157           | 810           | 2,404          | 4,574          |
| Facilities Cathodic Protection   | Approp.          | -             | -             |               |                |                |
| Facility Paving  | Cash Flow        | 1,729         | 1,896         | 3,626         | 9,671          | 23,360         |
| Facility Paving  | Approp.          | 450           | 500           |               |                |                |
| Minor Facilities Work  | Cash Flow        | -             | -             | -             | -              | 192            |
| Minor Facilities Work  | Approp.          | -             | -             |               |                |                |
| Small Capital Improvements   | Cash Flow        | 3,399         | 3,501         | 6,900         | 17,827         | 38,747         |
| Small Capital Improvements   | Approp.          | 2,850         | 2,850         |               |                |                |
| <b>Total</b>   | <b>Cash Flow</b> | <b>25,610</b> | <b>15,374</b> | <b>40,984</b> | <b>128,100</b> | <b>197,854</b> |
| <b>Total</b>   | <b>Approp.</b>   | <b>4,845</b>  | <b>4,411</b>  |               |                |                |



*Old 1890-Style Fire Hydrant*



*Current Model-64 Fire Hydrants*

**Environmental Resources & Remediation**

This award purpose focuses on maintaining the District's watershed locations — the backbone of the high-quality water system. The work is focused on implementing wastewater treatment for the communities adjacent to Pardee (Upcountry) Reservoir, caring for the Mokelumne River Hatchery, and restoring mining locations.

*Environmental Resources & Remediation - Cash Flows and Appropriations by Award Purpose*

| FY 2026 - FY 2035 Cash Flows and Appropriation by Award Purpose (\$ Thousands) |                  |               |               |               |               |                |
|--|------------------|---------------|---------------|---------------|---------------|----------------|
| Award Name   | Type             | FY 2026       | FY 2027       | 2-Year Total  | 5-Year Total  | 10-Year Total  |
| East Bay Watershed Management  | Cash Flow        | 1,391         | 1,008         | 2,398         | 6,700         | 8,359          |
| East Bay Watershed Management  | Approp.          | 1,603         | 796           |               |               |                |
| Mine Restorations  | Cash Flow        | -             | -             | -             | -             | 42             |
| Mine Restorations  | Approp.          | -             | -             |               |               |                |
| Mokelumne River Hatchery   | Cash Flow        | -             | -             | -             | 9,789         | 20,606         |
| Mokelumne River Hatchery   | Approp.          | -             | -             |               |               |                |
| Mokelumne Watershed Management   | Cash Flow        | 103           | 106           | 209           | 547           | 1,572          |
| Mokelumne Watershed Management   | Approp.          | 297           | -             |               |               |                |
| River and Watershed  | Cash Flow        | 1,442         | 2,122         | 3,564         | 8,146         | 9,108          |
| River and Watershed  | Approp.          | 1,972         | 1,138         |               |               |                |
| Trench Soils Management  | Cash Flow        | 8,508         | 9,034         | 17,541        | 54,031        | 123,931        |
| Trench Soils Management  | Approp.          | 8,508         | 9,034         |               |               |                |
| Upcountry Wastewater Treatment Improvements                                    | Cash Flow        | 824           | 2,551         | 3,375         | 8,378         | 15,217         |
| Upcountry Wastewater Treatment Improvements                                    | Approp.          | -             | -             |               |               |                |
| <b>Total</b>   | <b>Cash Flow</b> | <b>12,267</b> | <b>14,820</b> | <b>27,088</b> | <b>87,591</b> | <b>178,835</b> |
| <b>Total</b>   | <b>Approp.</b>   | <b>12,379</b> | <b>10,967</b> |               |               |                |

**New Business Infrastructure**

New Business continues to be prioritized, as new customers represent opportunities to capture additional revenue as well as upgrade customer-specific infrastructure, such as mains, laterals, meters, and hydrants. The awards below support the District's ability to support larger populations in the future.

*New Business Infrastructure - Cash Flows and Appropriations by Award Purpose*

| FY 2026 - FY 2035 Cash Flows and Appropriation by Award Purpose (\$ Thousands) |                  |               |               |               |                |                |
|--|------------------|---------------|---------------|---------------|----------------|----------------|
| Award Name   | Type             | FY 2026       | FY 2027       | 2-Year Total  | 5-Year Total   | 10-Year Total  |
| Hydrants Installed by District Forces  | Cash Flow        | 1,545         | 1,591         | 3,136         | 8,203          | 17,712         |
| Hydrants Installed by District Forces  | Approp.          | 1,545         | 1,591         |               |                |                |
| New Service Installations  | Cash Flow        | 15,914        | 16,391        | 32,304        | 84,487         | 182,430        |
| New Service Installations  | Approp.          | 15,914        | 16,391        |               |                |                |
| Pipeline System Extensions   | Cash Flow        | 10,609        | 10,927        | 21,536        | 56,325         | 121,620        |
| Pipeline System Extensions   | Approp.          | 10,609        | 10,927        |               |                |                |
| <b>Total</b>   | <b>Cash Flow</b> | <b>28,068</b> | <b>28,910</b> | <b>56,977</b> | <b>149,014</b> | <b>321,762</b> |
| <b>Total</b>   | <b>Approp.</b>   | <b>28,068</b> | <b>28,910</b> |               |                |                |

**Pipelines – Distribution**

One of the District's flagship endeavors, Pipeline Rebuild, already replaces more than 20 miles of pipeline annually and could replace 30 miles of pipeline annually by FY 2028. Other awards in Pipelines – Distribution also work to improve the distribution system's pipelines, a critical part of the District's operations.

*Pipelines – Distribution - Cash Flows and Appropriations by Award Purpose*

| FY 2026 - FY 2035 Cash Flows and Appropriation by Award Purpose (\$ Thousands) |                  |                |                |                |                |                  |
|--|------------------|----------------|----------------|----------------|----------------|------------------|
| Award Name   | Type             | FY 2026        | FY 2027        | 2-Year Total   | 5-Year Total   | 10-Year Total    |
| Annual Appurtenance Work   | Cash Flow        | 1,648          | 1,697          | 3,345          | 9,145          | 20,761           |
| Annual Appurtenance Work   | Approp.          | 750            | 800            |                |                |                  |
| Distribution System Cathodic Protection  | Cash Flow        | 2,177          | 2,879          | 5,055          | 12,869         | 28,548           |
| Distribution System Cathodic Protection  | Approp.          | 899            | 1,189          |                |                |                  |
| Pipeline Rebuild   | Cash Flow        | 100,423        | 113,405        | 213,828        | 596,965        | 1,335,928        |
| Pipeline Rebuild   | Approp.          | 100,423        | 113,405        |                |                |                  |
| Pipeline Relocations   | Cash Flow        | 11,426         | 11,769         | 23,194         | 60,661         | 130,984          |
| Pipeline Relocations   | Approp.          | 6,959          | 7,168          |                |                |                  |
| Pipeline System Improvements   | Cash Flow        | 102            | 105            | 207            | 541            | 5,267            |
| Pipeline System Improvements   | Approp.          | 75             | 77             |                |                |                  |
| Service Lateral Replacements   | Cash Flow        | 14,678         | 15,118         | 29,795         | 77,925         | 168,261          |
| Service Lateral Replacements   | Approp.          | 14,678         | 15,118         |                |                |                  |
| <b>Total</b>   | <b>Cash Flow</b> | <b>130,453</b> | <b>144,972</b> | <b>275,425</b> | <b>758,106</b> | <b>1,689,749</b> |
| <b>Total</b>   | <b>Approp.</b>   | <b>123,783</b> | <b>137,757</b> |                |                |                  |

**Pipelines – Transmission**

Sibling to its distribution counterpart, Pipelines – Transmission includes only three awards, but is critical to the system's functioning. This award purpose is driven by improvements to the large diameter pipelines that comprise the backbone of the system, in addition to two cathodic protection projects.

*Pipelines – Transmission - Cash Flows and Appropriations by Award Purpose*

| FY 2026 - FY 2035 Cash Flows and Appropriation by Award Purpose (\$ Thousands) |                  |              |               |               |               |                |
|--|------------------|--------------|---------------|---------------|---------------|----------------|
| Award Name   | Type             | FY 2026      | FY 2027       | 2-Year Total  | 5-Year Total  | 10-Year Total  |
| Aqueduct Cathodic Protection   | Cash Flow        | 574          | 82            | 656           | 1,999         | 3,706          |
| Aqueduct Cathodic Protection   | Approp.          | -            | -             |               |               |                |
| Large Diameter Pipelines   | Cash Flow        | 7,228        | 18,099        | 25,327        | 82,024        | 161,791        |
| Large Diameter Pipelines   | Approp.          | 4,182        | -             |               |               |                |
| Transmission Main Cathodic Protection  | Cash Flow        | 153          | 900           | 1,052         | 2,340         | 5,943          |
| Transmission Main Cathodic Protection  | Approp.          | 79           | 2,243         |               |               |                |
| <b>Total</b>   | <b>Cash Flow</b> | <b>7,955</b> | <b>19,081</b> | <b>27,036</b> | <b>86,363</b> | <b>171,439</b> |
| <b>Total</b>   | <b>Approp.</b>   | <b>4,260</b> | <b>2,243</b>  |               |               |                |

**Pressure Zone Studies**

This award purpose includes studying individual pressure zones to provide data to aid in planning for water distribution system projects, such as upgrading or replacing reservoirs, pumping plants, or pipelines to optimize storage capacity and improve water quality. Additionally, the Delta Tunnel initiative seeks to envision a crucial artery of our system across a vast and unique habitat.

*Pressure Zone Studies - Cash Flows and Appropriations by Award Purpose*

| FY 2026 - FY 2035 Cash Flows and Appropriation by Award Purpose (\$ Thousands) |                  |              |              |              |               |               |
|--|------------------|--------------|--------------|--------------|---------------|---------------|
| Award Name   | Type             | FY 2026      | FY 2027      | 2-Year Total | 5-Year Total  | 10-Year Total |
| Distribution System Upgrades   | Cash Flow        | 728          | 821          | 1,549        | 4,308         | 9,213         |
| Distribution System Upgrades   | Approp.          | 269          | 303          |              |               |               |
| Miscellaneous Planning Studies   | Cash Flow        | 48           | 443          | 490          | 2,830         | 3,844         |
| Miscellaneous Planning Studies   | Approp.          | 15           | 3,515        |              |               |               |
| Pressure Zone Improvements   | Cash Flow        | 1,466        | 1,113        | 2,579        | 4,556         | 5,602         |
| Pressure Zone Improvements   | Approp.          | -            | -            |              |               |               |
| West of Hills Master Plan  | Cash Flow        | 454          | -            | 454          | 3,053         | 3,053         |
| West of Hills Master Plan  | Approp.          | 59           | -            |              |               |               |
| <b>Total</b>   | <b>Cash Flow</b> | <b>2,695</b> | <b>2,377</b> | <b>5,072</b> | <b>14,747</b> | <b>21,712</b> |
| <b>Total</b>   | <b>Approp.</b>   | <b>342</b>   | <b>3,818</b> |              |               |               |

**Process & System-Wide Improvements**

The following awards unearth areas for improvement and implement corrective maintenance programs, including technology, workplace and system enhancements, such as leak detection, meter upgrades, and security.

*Process & System-Wide Improvements - Cash Flows and Appropriations by Award Purpose*

| FY 2026 - FY 2035 Cash Flows and Appropriation by Award Purpose (\$ Thousands) |                  |               |               |               |                |                |
|--|------------------|---------------|---------------|---------------|----------------|----------------|
| Award Name   | Type             | FY 2026       | FY 2027       | 2-Year Total  | 5-Year Total   | 10-Year Total  |
| HRIS Replacement   | Cash Flow        | 2,766         | 5,305         | 8,070         | 13,534         | 13,534         |
| HRIS Replacement   | Approp.          | 2,766         | 5,305         |               |                |                |
| Information Technology   | Cash Flow        | 8,221         | 7,764         | 15,986        | 45,083         | 62,372         |
| Information Technology   | Approp.          | 7,104         | 8,152         |               |                |                |
| Op/Net System Improvements   | Cash Flow        | 999           | 2,196         | 3,195         | 6,526          | 12,675         |
| Op/Net System Improvements   | Approp.          | 650           | 1,400         |               |                |                |
| Planned Meter Replacements   | Cash Flow        | 5,580         | 5,845         | 11,425        | 31,690         | 69,727         |
| Planned Meter Replacements   | Approp.          | 3,742         | 4,277         |               |                |                |
| Security Improvements  | Cash Flow        | 2,978         | 4,665         | 7,643         | 20,610         | 27,323         |
| Security Improvements  | Approp.          | -             | -             |               |                |                |
| Water Loss Control   | Cash Flow        | 4,205         | 5,891         | 10,096        | 25,307         | 42,884         |
| Water Loss Control   | Approp.          | 2,850         | 3,753         |               |                |                |
| <b>Total</b>   | <b>Cash Flow</b> | <b>24,750</b> | <b>31,666</b> | <b>56,416</b> | <b>142,751</b> | <b>228,516</b> |
| <b>Total</b>   | <b>Approp.</b>   | <b>17,111</b> | <b>22,887</b> |               |                |                |



**Pumping Plants**

The Distribution Pumping Plant (PP) Infrastructure Rehabilitation Plan was updated in 2020 and identifies the highest priority pumping plants for rehabilitation, replacement, or demolition. There are 130 distribution pumping plants across the system and the CIP seeks to rehabilitate at least two pumping plants annually.

*Pumping Plants - Cash Flows and Appropriations by Award Purpose*

| FY 2026 - FY 2035 Cash Flows and Appropriation by Award Purpose (\$ Thousands) |                  |               |               |               |                |                |
|--|------------------|---------------|---------------|---------------|----------------|----------------|
| Award Name   | Type             | FY 2026       | FY 2027       | 2-Year Total  | 5-Year Total   | 10-Year Total  |
| Pumping Plant Rehabilitation   | Cash Flow        | 29,613        | 21,524        | 51,137        | 134,560        | 232,112        |
| Pumping Plant Rehabilitation   | Approp.          | 6,264         | 2,962         |               |                |                |
| <b>Total</b>   | <b>Cash Flow</b> | <b>29,613</b> | <b>21,524</b> | <b>51,137</b> | <b>134,560</b> | <b>232,112</b> |
| <b>Total</b>   | <b>Approp.</b>   | <b>6,264</b>  | <b>2,962</b>  |               |                |                |

**Raw Water System**

One of the District's key objectives is to ensure a reliable, high-quality water supply for the future. This award purpose evaluates and makes improvements to the raw water aqueduct system and includes replacing the deteriorated cement motor lining in the Mokelumne Aqueducts that protects the steel pipeline from internal corrosion.

*Raw Water System - Cash Flows and Appropriations by Award Purpose*

| FY 2026 - FY 2035 Cash Flows and Appropriation by Award Purpose (\$ Thousands) |                  |               |               |               |                |                |
|--|------------------|---------------|---------------|---------------|----------------|----------------|
| Award Name   | Type             | FY 2026       | FY 2027       | 2-Year Total  | 5-Year Total   | 10-Year Total  |
| Mokelumne Aqueduct Number 2 & 3 Relining                                       | Cash Flow        | 12,024        | 21,704        | 33,728        | 88,295         | 121,510        |
| Mokelumne Aqueduct Number 2 & 3 Relining                                       | Approp.          | 52,384        | 179           |               |                |                |
| Mokelumne Aqueducts Recoating  | Cash Flow        | 6,288         | 6,477         | 12,765        | 14,989         | 14,989         |
| Mokelumne Aqueducts Recoating  | Approp.          | -             | -             |               |                |                |
| Raw Water Facilities   | Cash Flow        | 4,139         | 8,123         | 12,262        | 21,473         | 38,870         |
| Raw Water Facilities   | Approp.          | 15,798        | 278           |               |                |                |
| Raw Water Infrastructure   | Cash Flow        | 3,013         | 1,194         | 4,206         | 49,281         | 143,581        |
| Raw Water Infrastructure   | Approp.          | -             | -             |               |                |                |
| Raw Water Aqueduct Improvements  | Cash Flow        | 1,288         | 1,326         | 2,614         | 7,219          | 16,955         |
| Raw Water Aqueduct Improvements  | Approp.          | 13,487        | -             |               |                |                |
| <b>Total</b>   | <b>Cash Flow</b> | <b>26,751</b> | <b>38,824</b> | <b>65,575</b> | <b>181,257</b> | <b>335,904</b> |
| <b>Total</b>   | <b>Approp.</b>   | <b>81,669</b> | <b>457</b>    |               |                |                |



**Recreation Areas & Facilities**

Work under this award purpose focuses on making improvements to recreational facilities at Camanche, Pardee and East Bay Reservoirs, and the Mokelumne fish hatchery. The facilities require periodic replacements and upgrades to the roads, parking lots, fuel docks, launch ramps, docks, boat berths, stores, campgrounds, and restrooms.

*Recreation Areas & Facilities - Cash Flows and Appropriations by Award Purpose*

| FY 2026 - FY 2035 Cash Flows and Appropriation by Award Purpose (\$ Thousands) |                  |              |              |               |               |               |
|--|------------------|--------------|--------------|---------------|---------------|---------------|
| Award Name   | Type             | FY 2026      | FY 2027      | 2-Year Total  | 5-Year Total  | 10-Year Total |
| Camanche Hills Hunting Preserve  | Cash Flow        | -            | -            | -             | 1,126         | 1,126         |
| Camanche Hills Hunting Preserve  | Approp.          | -            | -            |               |               |               |
| Camanche Recreation Area Improvements  | Cash Flow        | 258          | 265          | 523           | 1,367         | 1,666         |
| Camanche Recreation Area Improvements  | Approp.          | -            | -            |               |               |               |
| Lafayette Recreation Infrastructure  | Cash Flow        | 2,504        | 207          | 2,711         | 2,711         | 2,711         |
| Lafayette Recreation Infrastructure  | Approp.          | 2,711        | -            |               |               |               |
| Recreation Area Capital Maintenance & Improvements                             | Cash Flow        | 3,197        | 3,072        | 6,269         | 11,351        | 18,549        |
| Recreation Area Capital Maintenance & Improvements                             | Approp.          | 2,325        | 2,325        |               |               |               |
| San Pablo Recreation Infrastructure  | Cash Flow        | 2,575        | -            | 2,575         | 2,913         | 2,913         |
| San Pablo Recreation Infrastructure  | Approp.          | 2,894        | -            |               |               |               |
| <b>Total</b>   | <b>Cash Flow</b> | <b>8,534</b> | <b>3,544</b> | <b>12,078</b> | <b>19,468</b> | <b>26,964</b> |
| <b>Total</b>   | <b>Approp.</b>   | <b>7,930</b> | <b>2,325</b> |               |               |               |

**Regulators & Rate Control Stations**

The District's assets include multiple rate control stations and regulators, and the following awards are dedicated to maintaining the locations on an ongoing basis.

*Regulators & Rate Control Stations - Cash Flows and Appropriations by Award Purpose*

| FY 2026 - FY 2035 Cash Flows and Appropriation by Award Purpose (\$ Thousands) |                  |              |            |              |               |               |
|--|------------------|--------------|------------|--------------|---------------|---------------|
| Award Name   | Type             | FY 2026      | FY 2027    | 2-Year Total | 5-Year Total  | 10-Year Total |
| Rate Control Station Rehabilitation  | Cash Flow        | 587          | 215        | 802          | 3,998         | 9,043         |
| Rate Control Station Rehabilitation  | Approp.          | -            | -          |              |               |               |
| Regulator Rehabilitation   | Cash Flow        | 5,346        | 332        | 5,678        | 11,186        | 12,675        |
| Regulator Rehabilitation   | Approp.          | -            | -          |              |               |               |
| <b>Total</b>   | <b>Cash Flow</b> | <b>5,933</b> | <b>547</b> | <b>6,480</b> | <b>15,183</b> | <b>21,719</b> |
| <b>Total</b>   | <b>Approp.</b>   | <b>-</b>     | <b>-</b>   |              |               |               |

**Reservoirs – Distribution**

This work includes the rehabilitation, replacement, and demolition of steel and concrete distribution reservoirs, along with open-cut reservoirs. In particular, the Reservoir Rehabilitation and Maintenance project extends the service lives of the steel and reinforced concrete distribution tanks by replacing coating systems, repairing or replacing roofs, and performing structural upgrades to improve water quality and enhance worker safety.

*Reservoirs – Distribution - Cash Flows and Appropriations by Award Purpose*

| FY 2026 - FY 2035 Cash Flows and Appropriation by Award Purpose (\$ Thousands) |                  |                |               |               |                |                |
|--|------------------|----------------|---------------|---------------|----------------|----------------|
| Award Name   | Type             | FY 2026        | FY 2027       | 2-Year Total  | 5-Year Total   | 10-Year Total  |
| Chloramine Boosting Stations   | Cash Flow        | 814            | -             | 814           | 814            | 814            |
| Chloramine Boosting Stations   | Approp.          | 500            | -             |               |                |                |
| Distribution System Water Quality Improvements                                 | Cash Flow        | -              | -             | -             | 396            | 634            |
| Distribution System Water Quality Improvements                                 | Approp.          | -              | -             |               |                |                |
| Open-Cut Reservoir Program   | Cash Flow        | 10,939         | 27,138        | 38,076        | 93,181         | 280,346        |
| Open-Cut Reservoir Program   | Approp.          | 209,600        | 528           |               |                |                |
| Reservoir Mixing System  | Cash Flow        | -              | -             | -             | 338            | 972            |
| Reservoir Mixing System  | Approp.          | -              | -             |               |                |                |
| Reservoir Rehabilitation and Maintenance                                       | Cash Flow        | 17,488         | 13,271        | 30,759        | 59,152         | 83,345         |
| Reservoir Rehabilitation and Maintenance                                       | Approp.          | -              | 22,873        |               |                |                |
| <b>Total</b>   | <b>Cash Flow</b> | <b>29,241</b>  | <b>40,409</b> | <b>69,649</b> | <b>153,880</b> | <b>366,111</b> |
| <b>Total</b>   | <b>Approp.</b>   | <b>210,100</b> | <b>23,401</b> |               |                |                |

**Reservoirs – Supply**

In conjunction with Reservoirs – Distribution, multiple dams and monitoring systems are scheduled to be upgraded in the next CIP, contributing to safeguarding the supply in the District's reservoirs.

*Reservoirs – Supply - Cash Flows and Appropriations by Award Purpose*

| FY 2026 - FY 2035 Cash Flows and Appropriation by Award Purpose (\$ Thousands) |                  |               |               |               |               |               |
|--|------------------|---------------|---------------|---------------|---------------|---------------|
| Award Name   | Type             | FY 2026       | FY 2027       | 2-Year Total  | 5-Year Total  | 10-Year Total |
| Dam Operational Upgrades   | Cash Flow        | 2,140         | 1,638         | 3,778         | 11,616        | 25,418        |
| Dam Operational Upgrades   | Approp.          | -             | -             |               |               |               |
| Dam Seismic Upgrades   | Cash Flow        | 273           | 1,156         | 1,429         | 3,321         | 20,567        |
| Dam Seismic Upgrades   | Approp.          | -             | -             |               |               |               |
| Dam Surveillance Improvements  | Cash Flow        | 1,092         | 983           | 2,075         | 3,223         | 5,685         |
| Dam Surveillance Improvements  | Approp.          | 195           | 176           |               |               |               |
| Reservoir Tower Modifications  | Cash Flow        | 7,107         | 11,776        | 18,883        | 20,060        | 25,338        |
| Reservoir Tower Modifications  | Approp.          | 13,407        | -             |               |               |               |
| Water Supply Monitoring System   | Cash Flow        | -             | -             | -             | 1,851         | 4,540         |
| Water Supply Monitoring System   | Approp.          | -             | -             |               |               |               |
| <b>Total</b>   | <b>Cash Flow</b> | <b>10,612</b> | <b>15,554</b> | <b>26,166</b> | <b>40,071</b> | <b>81,549</b> |
| <b>Total</b>   | <b>Approp.</b>   | <b>13,602</b> | <b>176</b>    |               |               |               |

**Supplemental Supply, Regional Agreements**

The District's Strategic Plan includes the goal to attain additional water supply by 2040 in order to provide 85 percent reliability under drought conditions and diversify through regional partnerships. The projects under this award purpose support this goal, channeling opportunities with groundwater, imported water, and transfers, all via partnerships and while maintaining compliance.

*Supplemental Supply, Regional Agreements - Cash Flows and Appropriations by Award Purpose*

| FY 2026 - FY 2035 Cash Flows and Appropriation by Award Purpose (\$ Thousands) |                  |               |              |               |               |               |
|--|------------------|---------------|--------------|---------------|---------------|---------------|
| Award Name   | Type             | FY 2026       | FY 2027      | 2-Year Total  | 5-Year Total  | 10-Year Total |
| Groundwater Resource Development   | Cash Flow        | -             | 1,122        | 1,122         | 4,696         | 23,540        |
| Groundwater Resource Development   | Approp.          | -             | -            |               |               |               |
| SGMA Compliance  | Cash Flow        | 880           | 429          | 1,308         | 1,308         | 2,081         |
| SGMA Compliance  | Approp.          | 1,308         | -            |               |               |               |
| Upper Mokelumne River Watershed Authority - Water Supply Project               | Cash Flow        | -             | -            | -             | -             | 1,566         |
| Upper Mokelumne River Watershed Authority - Water Supply Project               | Approp.          | -             | -            |               |               |               |
| Water Rights, Licenses & Plans   | Cash Flow        | 3,695         | 6,579        | 10,273        | 20,566        | 22,709        |
| Water Rights, Licenses & Plans   | Approp.          | 8,864         | -            |               |               |               |
| <b>Total</b>   | <b>Cash Flow</b> | <b>4,574</b>  | <b>8,130</b> | <b>12,704</b> | <b>26,570</b> | <b>49,896</b> |
| <b>Total</b>   | <b>Approp.</b>   | <b>10,172</b> | <b>-</b>     |               |               |               |

**Sustainable Energy**

The District's principles include minimizing waste and conserving energy and natural resources. This award purpose shepherds the District toward these goals.

*Sustainable Energy - Cash Flows and Appropriations by Award Purpose*

| FY 2026 - FY 2035 Cash Flows and Appropriation by Award Purpose (\$ Thousands) |                  |              |              |              |               |               |
|--|------------------|--------------|--------------|--------------|---------------|---------------|
| Award Name   | Type             | FY 2026      | FY 2027      | 2-Year Total | 5-Year Total  | 10-Year Total |
| Enhanced Power Revenue   | Cash Flow        | 103          | -            | 103          | 666           | 666           |
| Enhanced Power Revenue   | Approp.          | 50           | -            |              |               |               |
| Powerhouse Improvements  | Cash Flow        | 2,333        | 1,411        | 3,744        | 11,590        | 16,110        |
| Powerhouse Improvements  | Approp.          | 1,000        | 500          |              |               |               |
| <b>Total</b>   | <b>Cash Flow</b> | <b>2,436</b> | <b>1,411</b> | <b>3,847</b> | <b>12,255</b> | <b>16,776</b> |
| <b>Total</b>   | <b>Approp.</b>   | <b>1,050</b> | <b>500</b>   |              |               |               |

**Vehicles, Equipment & Related Facilities**

The District closely monitors vehicles, equipment, and their related costs. These awards supply new and replace existing assets on a formalized schedule, supporting projects system-wide.

*Vehicles, Equipment & Related Facilities - Cash Flows and Appropriations by Award Purpose*

| FY 2026 - FY 2035 Cash Flows and Appropriation by Award Purpose (\$ Thousands) |                  |               |               |               |               |                |
|--|------------------|---------------|---------------|---------------|---------------|----------------|
| Award Name   | Type             | FY 2026       | FY 2027       | 2-Year Total  | 5-Year Total  | 10-Year Total  |
| Diesel Engine Retrofit   | Cash Flow        | -             | -             | -             | -             | 4,467          |
| Diesel Engine Retrofit   | Approp.          | -             | -             |               |               |                |
| Fleet & Equipment Additions  | Cash Flow        | 745           | 117           | 862           | 862           | 862            |
| Fleet & Equipment Additions  | Approp.          | 745           | 117           |               |               |                |
| Fleet & Equipment Replacement & Purchases                                      | Cash Flow        | 21,362        | 13,792        | 35,154        | 68,929        | 132,323        |
| Fleet & Equipment Replacement & Purchases                                      | Approp.          | 21,362        | 13,792        |               |               |                |
| <b>Total</b>   | <b>Cash Flow</b> | <b>22,107</b> | <b>13,909</b> | <b>36,016</b> | <b>69,791</b> | <b>137,652</b> |
| <b>Total</b>   | <b>Approp.</b>   | <b>22,107</b> | <b>13,909</b> |               |               |                |

**Water Recycling & Conservation**

To reduce potable water demand, the District undertakes a variety of recycled water projects, including the East Bayshore Recycled Water Project (Albany, Berkeley, Emeryville, Oakland, and Alameda), North Richmond Water Reclamation Plant (NRWRP), Richmond Advance Recycled Expansion (RARE) project, and the Dublin San Ramon Services District/EBMUD Recycled Water Authority (DERWA) partnership. The award purpose also includes Water Conservation Services.

*Water Recycling & Conservation - Cash Flows and Appropriations by Award Purpose*

| FY 2026 - FY 2035 Cash Flows and Appropriation by Award Purpose (\$ Thousands) |                  |              |              |              |               |                |
|--|------------------|--------------|--------------|--------------|---------------|----------------|
| Award Name   | Type             | FY 2026      | FY 2027      | 2-Year Total | 5-Year Total  | 10-Year Total  |
| DERWA  | Cash Flow        | 431          | 778          | 1,208        | 1,558         | 1,558          |
| DERWA  | Approp.          | -            | -            |              |               |                |
| East Bayshore  | Cash Flow        | 388          | 449          | 837          | 15,474        | 56,648         |
| East Bayshore  | Approp.          | -            | -            |              |               |                |
| North Richmond Recycled Water Plant  | Cash Flow        | -            | -            | -            | 10,433        | 14,158         |
| North Richmond Recycled Water Plant  | Approp.          | -            | -            |              |               |                |
| RARE - Chevron Funded  | Cash Flow        | 1,409        | 707          | 2,116        | 6,998         | 15,222         |
| RARE - Chevron Funded  | Approp.          | 1,409        | 707          |              |               |                |
| San Ramon Valley Recycled Water  | Cash Flow        | 1,792        | 2,408        | 4,200        | 30,494        | 35,246         |
| San Ramon Valley Recycled Water  | Approp.          | -            | -            |              |               |                |
| <b>Total</b>   | <b>Cash Flow</b> | <b>4,020</b> | <b>4,341</b> | <b>8,361</b> | <b>64,956</b> | <b>122,831</b> |
| <b>Total</b>   | <b>Approp.</b>   | <b>1,409</b> | <b>707</b>   |              |               |                |

**Water Treatment**

The Treatment Plant Upgrades project spearheads this award purpose, with the aim to address compliance with water quality regulations and improve the safety, operation, and reliability of the five Water Treatment Plants (WTPs). The award purpose also includes improvements to the Pardee Center, found at the system's water source, and ongoing WTP capital improvements.

*Water Treatment - Cash Flows and Appropriations by Award Purpose*

| FY 2026 - FY 2035 Cash Flows and Appropriation by Award Purpose (\$ Thousands) |                  |                |                |                |                |                |
|--|------------------|----------------|----------------|----------------|----------------|----------------|
| Award Name   | Type             | FY 2026        | FY 2027        | 2-Year Total   | 5-Year Total   | 10-Year Total  |
| Pardee Center Capital Maintenance & Improvements                               | Cash Flow        | 2,833          | 1,651          | 4,484          | 9,485          | 13,535         |
| Pardee Center Capital Maintenance & Improvements                               | Approp.          | 2,833          | 1,651          |                |                |                |
| Treatment Plant Upgrades   | Cash Flow        | 143,079        | 133,800        | 276,879        | 463,157        | 699,428        |
| Treatment Plant Upgrades   | Approp.          | 74,374         | 28,679         |                |                |                |
| <b>Total</b>   | <b>Cash Flow</b> | <b>145,912</b> | <b>135,450</b> | <b>281,363</b> | <b>472,642</b> | <b>712,963</b> |
| <b>Total</b>   | <b>Approp.</b>   | <b>77,208</b>  | <b>30,329</b>  |                |                |                |

**Water Contingency**

Contingency funds cover unexpected needs before the next biennial budget cycle.

*Water Contingency - Cash Flows and Appropriations by Award Purpose*

| FY 2026 - FY 2035 Cash Flows and Appropriation by Award Purpose (\$ Thousands) |                  |               |               |              |              |               |
|--|------------------|---------------|---------------|--------------|--------------|---------------|
| Award Name   | Type             | FY 2026       | FY 2027       | 2-Year Total | 5-Year Total | 10-Year Total |
| Contingency - Water  | Cash Flow        |               |               |              |              |               |
| Contingency - Water  | Approp.          | 48,855        | 50,687        |              |              |               |
| <b>Total</b>   | <b>Cash Flow</b> |               |               |              |              |               |
| <b>Total</b>   | <b>Approp.</b>   | <b>48,855</b> | <b>50,687</b> |              |              |               |

## Ten-Year Financial Plan

### SUMMARY

For the first time, the Biennial Budget contains a 10-year financial plan, which reflects: the two-year Biennial Budget and three additional years, which is considered the historic five-year financial forecast; and then five additional years, which are labeled as a long-term projection. The distinction is made that those additional five years contain significant uncertainty, driven by a wide range of external and internal factors. The additional projection in the future remains valuable as part of the long-range financial planning efforts the District has pursued over the past two years.

#### Water System 10-Year Financial Forecast

| 10-Year Financial Plan (\$ Millions) |                |                |                |                |                |                |                |                      |                |                |                |                |
|--------------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------------|----------------|----------------|----------------|----------------|
|                                      | Actuals        | Projection     | Budget         |                | Forecast       |                |                | Long-Term Projection |                |                |                |                |
|                                      | FY 2024        | FY 2025        | FY 2026        | FY 2027        | FY 2028        | FY 2029        | FY 2030        | FY 2031              | FY 2032        | FY 2033        | FY 2034        | FY 2035        |
| <b>Beginning Balance</b>             | <b>399.7</b>   | <b>425.2</b>   | <b>413.7</b>   | <b>456.1</b>   | <b>474.2</b>   | <b>490.6</b>   | <b>509.6</b>   | <b>524.6</b>         | <b>524.6</b>   | <b>524.6</b>   | <b>524.6</b>   | <b>524.6</b>   |
| Water Charges                        | 667.1          | 747.3          | 798.9          | 854.0          | 913.0          | 975.9          | 1,038.4        | 1,104.8              | 1,175.5        | 1,250.7        | 1,330.7        | 1,415.8        |
| Property Taxes                       | 52.8           | 53.9           | 55.0           | 56.1           | 57.2           | 58.3           | 59.5           | 60.7                 | 61.9           | 63.1           | 64.4           | 65.7           |
| Power Sales                          | 14.2           | 11.5           | 10.0           | 10.0           | 10.3           | 10.6           | 10.8           | 11.1                 | 11.5           | 11.8           | 12.1           | 12.4           |
| Interest Income                      | 16.9           | 16.7           | 12.4           | 11.5           | 9.6            | 7.4            | 7.7            | 8.0                  | 8.3            | 8.5            | 8.8            | 9.6            |
| Reimbursements                       | 13.2           | 12.2           | 12.5           | 12.9           | 13.2           | 13.6           | 14.0           | 14.3                 | 14.7           | 15.1           | 15.6           | 16.0           |
| All Other                            | 25.2           | 24.1           | 21.8           | 22.2           | 22.6           | 23.0           | 23.4           | 23.8                 | 24.3           | 24.7           | 25.2           | 25.7           |
| <b>Operating Revenues</b>            | <b>789.5</b>   | <b>865.7</b>   | <b>910.6</b>   | <b>966.6</b>   | <b>1,025.8</b> | <b>1,088.8</b> | <b>1,153.8</b> | <b>1,222.7</b>       | <b>1,296.1</b> | <b>1,374.0</b> | <b>1,456.8</b> | <b>1,545.1</b> |
| Operating Expenses                   | 348.3          | 399.1          | 456.4          | 478.5          | 495.2          | 512.6          | 530.5          | 549.1                | 568.3          | 588.2          | 608.8          | 630.1          |
| Debt Service                         | 233.5          | 253.5          | 269.7          | 289.4          | 304.2          | 317.9          | 330.6          | 344.6                | 353.1          | 368.6          | 383.0          | 402.0          |
| Capital Expenses                     | 525.5          | 544.2          | 579.5          | 598.8          | 577.0          | 554.3          | 548.2          | 600.9                | 568.1          | 562.3          | 495.9          | 476.5          |
| <b>Total Expenses</b>                | <b>1,107.4</b> | <b>1,196.7</b> | <b>1,305.7</b> | <b>1,366.7</b> | <b>1,376.5</b> | <b>1,384.8</b> | <b>1,409.3</b> | <b>1,494.6</b>       | <b>1,489.5</b> | <b>1,519.1</b> | <b>1,487.7</b> | <b>1,508.5</b> |
| New Bond Proceeds                    | 275.0          | 275.0          | 355.0          | 345.0          | 275.0          | 215.0          | 200.0          | 220.0                | 135.0          | 90.0           | -              | -              |
| SCC Revenue                          | 25.9           | 27.5           | 20.0           | 20.0           | 20.6           | 21.1           | 21.7           | 22.3                 | 22.9           | 23.5           | 24.2           | 24.8           |
| Reimbursements                       | 36.6           | 15.5           | 60.1           | 50.7           | 68.4           | 77.0           | 48.2           | 49.7                 | 52.0           | 52.4           | 54.5           | 58.9           |
| Grants & Other                       | 5.9            | 1.6            | 2.4            | 2.6            | 3.1            | 1.8            | 0.7            | 0.6                  | 0.5            | 0.5            | 0.5            | 0.5            |
| <b>Ending Balance</b>                | <b>425.2</b>   | <b>413.7</b>   | <b>456.1</b>   | <b>474.2</b>   | <b>490.6</b>   | <b>509.6</b>   | <b>524.6</b>   | <b>545.4</b>         | <b>541.6</b>   | <b>545.9</b>   | <b>572.8</b>   | <b>645.5</b>   |
| Policy Reserves                      | 253.6          | 266.8          | 281.6          | 287.6          | 292.3          | 297.1          | 302.1          | 307.3                | 312.7          | 318.2          | 323.9          | 329.8          |
| Capital Reserves                     | 171.6          | 146.9          | 174.5          | 186.6          | 198.3          | 212.4          | 222.5          | 238.1                | 228.9          | 227.7          | 248.9          | 315.6          |

On average over the ten-year period, operating revenues are forecast to increase 6.1 percent per year to cover the increases in operating and capital expenses and maintain a minimum of 1.6 times coverage on revenue bond debt service. Forecasted operating expenses are expected to grow by 3.6 percent per year over the ten-year period, while debt service grows 4.5 percent per year.

For all ten years, the cash reserves exceed the cash reserve targets. Reserves in excess of those needed to meet financial reserve targets are available to pay for a significant portion of the capital program expenses with cash.

Capital cash flow spending, including capital support, is projected at \$5.6 billion over the 10-year period. Major projects during this period include Water Treatment Plant Upgrades, Pipeline Rebuild, Large Diameter Pipelines, Reservoir Rehabilitation, and Pumping Plant Rehabilitation.

The projected average percentage of capital funded from debt will be 33.0 percent over the 10-year period, significantly lower than the financial policy target maximum of 65 percent. In FY 2026 and FY 2027, the debt coverage ratio is projected at 1.90x and 1.88x, respectively, and for all ten years the ratio exceeds the target coverage ratio of 1.60x.

## TEN-YEAR PROJECTION OF OPERATING REVENUE

The following tables shows the key assumptions used to create the revenue forecast. The debt service coverage ratio is projected to exceed the policy target of 1.60 by over 20 percent in most years and reaches 2.74 by the end of the long-term projection period.

### Water System Key Assumptions in 10-Year Forecast

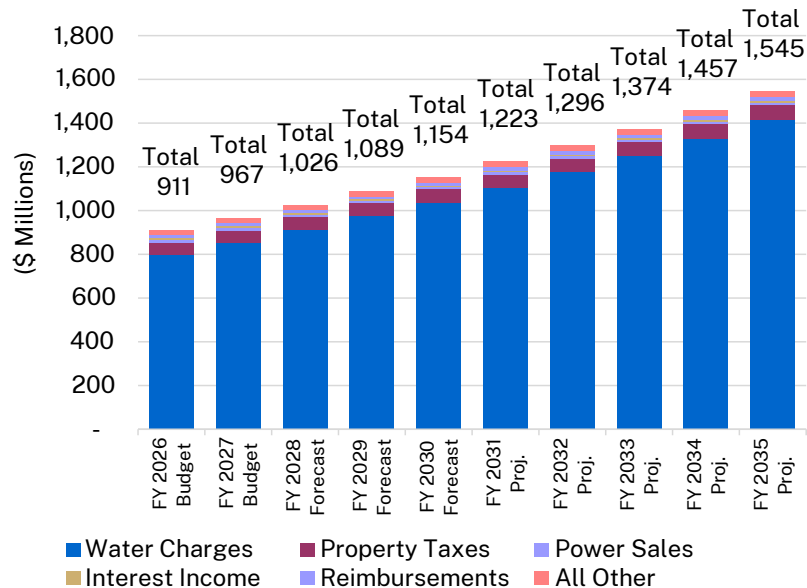
|  | Key Assumptions |         |         |         |          |         |         |                      |         |          |          |          |
|--|-----------------|---------|---------|---------|----------|---------|---------|----------------------|---------|----------|----------|----------|
|  | Actuals         | Current | Budget  |         | Forecast |         |         | Long-Term Projection |         |          |          |          |
|  | FY 2024         | FY 2025 | FY 2026 | FY 2027 | FY 2028  | FY 2029 | FY 2030 | FY 2031              | FY 2032 | FY 2033  | FY 2034  | FY 2035  |
| <b>Water Sales Volume (MGD)</b>                        | 136.4           | 143.2   | 143.9   | 144.6   | 145.3    | 146.1   | 146.8   | 147.5                | 148.3   | 149.0    | 149.7    | 150.5    |
| <b>Average Rate Increase</b>                           | 8.50%           | 8.50%   | 6.50%   | 6.50%   | 6.50%    | 6.50%   | 6.00%   | 6.00%                | 6.00%   | 6.00%    | 6.00%    | 6.00%    |
| <b>Typical Monthly Single-Family Residential Bill*</b> | \$57.65         | \$62.53 | \$66.32 | \$70.63 | \$75.22  | \$80.11 | \$84.92 | \$90.02              | \$95.42 | \$101.15 | \$107.22 | \$113.65 |
| <b>Debt Service Coverage</b>                           | 2.35x           | 2.19x   | 1.90x   | 1.88x   | 1.92x    | 1.98x   | 2.05x   | 2.12x                | 2.22x   | 2.36x    | 2.54x    | 2.74x    |

\*The typical customer is based on median usage, which is 5 Units per month; 1Unit is about 748 gallons.

The key factors driving the need for increased Water System revenues are: increased labor and benefit costs to keep up with inflation; continued investments in aging infrastructure and building a more resilient water system; building a more financially resilient system through reduced reliance on debt for ongoing capital work; and general inflation on non-labor costs.



Water System 10-Year Operating Revenue Projection

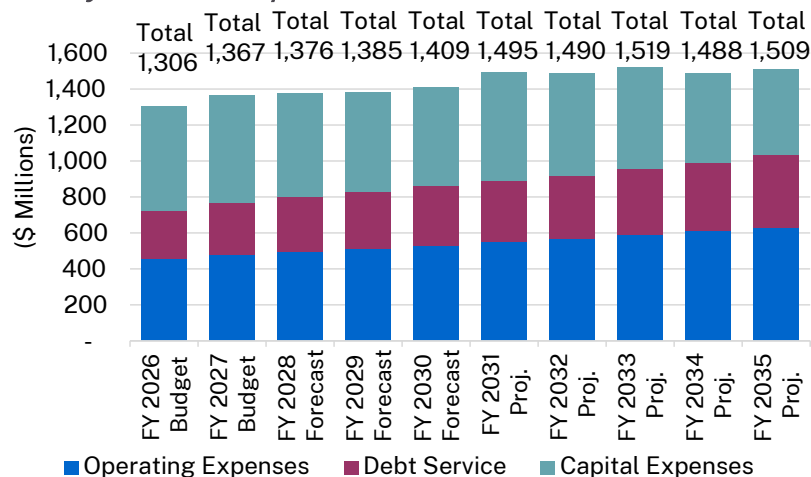


Projected annual operating revenues are expected to increase from \$911 million in FY 2026 to \$1.5 billion by FY 2035, an increase of \$634.6 million over the 10-year period, or 6.1 percent growth per year. The increase in revenue over the ten-year period is to cover increased revenue-funding for capital projects, increased debt service requirements to pay for debt issued to fund capital, and increased costs in operations and maintenance.

The major components of the increases in operating revenue over the ten-year period are revenue from Water Charges which is projected to increase from \$799 million in FY 2026 to \$1.4 billion in FY 2035 based on water rate revenue increases shown on the prior page. Property taxes are projected to grow by \$10.7 million and most other sources are expected to only grow slightly, with a slight decrease in expected interest income based on a conservative approach to estimating future interest rates.

## TEN-YEAR PROJECTION OF TOTAL EXPENSES

Water System 10-Year Expense Forecast



Water System expenses are projected to increase from \$1.3 billion in FY 2026 to \$1.5 billion in FY 2035, an increase of 1.7 percent per year. This is primarily driven by a 4.8 percent annual growth in debt service, from \$265 million to \$402 million by FY 2035, driven by the need to fund capital using a mix of revenue and debt. Debt funding of capital is discussed later in the 10-year financial plan.

Operating expenses have a slower growth rate of 3.6 percent year, from \$456 million to \$630 million, reflecting typical inflationary trends in major costs, including labor. Capital expenses decline near the end of the forecast, reflecting the end of major water treatment plant work and a focus on a capital plan that is achievable and funds the highest priority projects.

The chart to the left summarizes the projected Water System budget by category for the next 10 years.

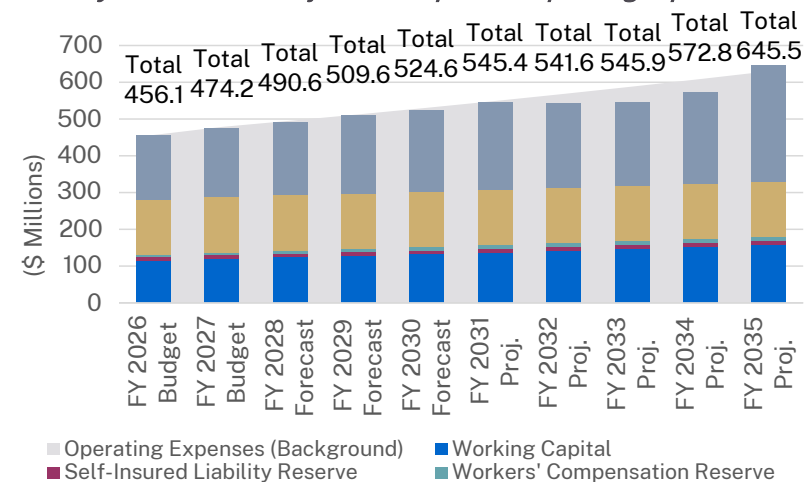
## TEN-YEAR PROJECTION OF RESERVES

The table below shows the changes to reserve components over the 10-year period. Reserve balances meet or exceed the policy reserve levels for the entire period.

Water System Reserves in 10-Year Forecast

|                                       | Reserve Components (\$ Millions) |              |              |              |              |                      |              |              |              |              |
|---------------------------------------|----------------------------------|--------------|--------------|--------------|--------------|----------------------|--------------|--------------|--------------|--------------|
|                                       | Budget                           |              | Forecast     |              |              | Long-Term Projection |              |              |              |              |
|                                       | FY 2026                          | FY 2027      | FY 2028      | FY 2029      | FY 2030      | FY 2031              | FY 2032      | FY 2033      | FY 2034      | FY 2035      |
| <b>Total Reserves</b>                 | <b>456.1</b>                     | <b>474.2</b> | <b>490.6</b> | <b>509.6</b> | <b>524.6</b> | <b>545.4</b>         | <b>541.6</b> | <b>545.9</b> | <b>572.8</b> | <b>645.5</b> |
| <b>Policy Reserves</b>                |                                  |              |              |              |              |                      |              |              |              |              |
| Working Capital                       | 114.1                            | 119.6        | 123.8        | 128.1        | 132.6        | 137.3                | 142.1        | 147.0        | 152.2        | 157.5        |
| Self-Insured Liability Reserve        | 9.6                              | 9.9          | 10.2         | 10.5         | 10.7         | 11.0                 | 11.3         | 11.7         | 12.0         | 12.3         |
| Workers' Compensation Reserve         | 7.8                              | 8.1          | 8.3          | 8.5          | 8.7          | 9.0                  | 9.2          | 9.5          | 9.7          | 10.0         |
| Rate Stabilization Reserve            | 150.0                            | 150.0        | 150.0        | 150.0        | 150.0        | 150.0                | 150.0        | 150.0        | 150.0        | 150.0        |
| <b>Total Policy Reserves</b>          | <b>281.6</b>                     | <b>287.6</b> | <b>292.3</b> | <b>297.1</b> | <b>302.1</b> | <b>307.3</b>         | <b>312.7</b> | <b>318.2</b> | <b>323.9</b> | <b>329.8</b> |
| <b>Reserves Available for Capital</b> | <b>174.5</b>                     | <b>186.6</b> | <b>198.3</b> | <b>212.4</b> | <b>222.5</b> | <b>238.1</b>         | <b>228.9</b> | <b>227.7</b> | <b>248.9</b> | <b>315.6</b> |

Water System Reserves Projection Compared to Operating Expenses



Reserves consist of:

- Working capital reserves equal to three months operating and maintenance expenses;
- Self-Insured Liability reserve based on the actuarial Self-Insured Retention (SIR) funding recommendation;
- Workers' Compensation reserve based on the actuarial SIR funding recommendation; and
- Rate stabilization reserve of a minimum of 20 percent of projected annual water volume revenues.

Over the 10-year forecast period, reserves will remain strong in comparison to operating expenses.

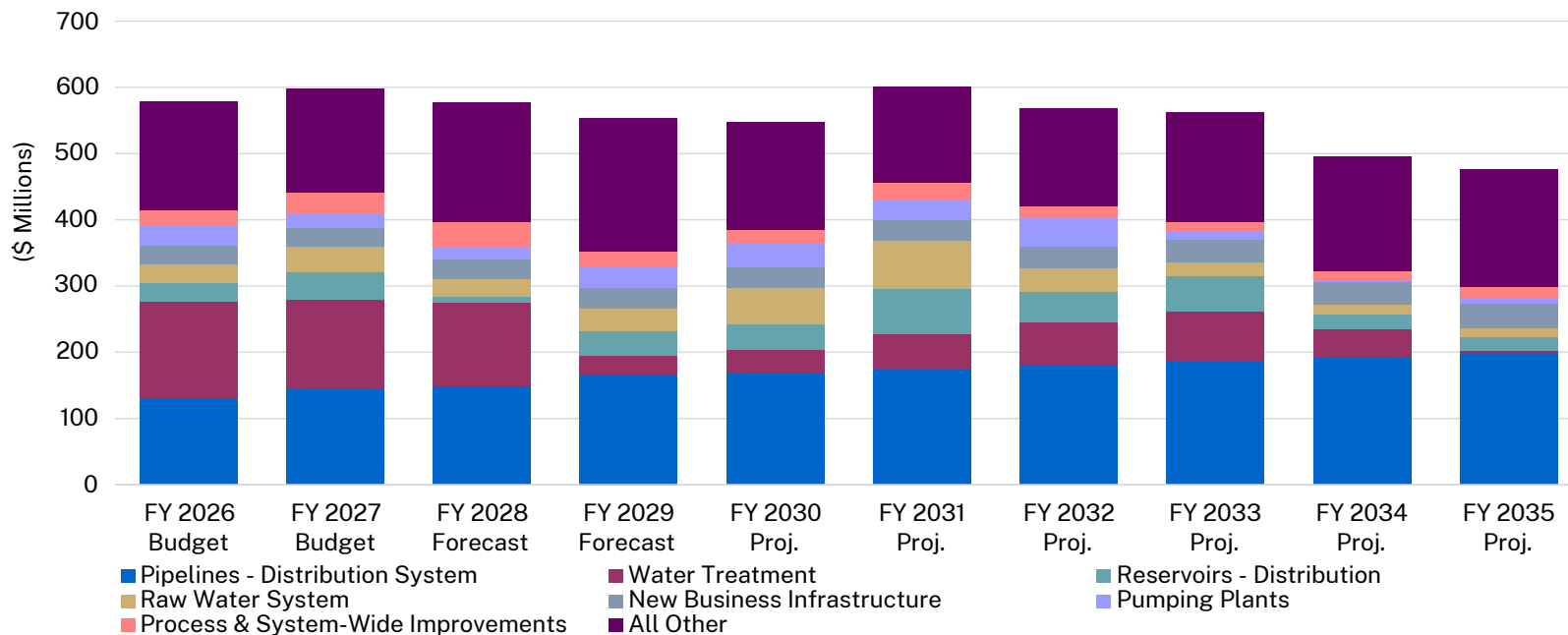


## CAPITAL INVESTMENTS AND FINANCING

The 10-Year CIP outlines Water System capital investment plans, the estimated cost of these investments, and the sources of funds. Appropriations reflect the amount that is authorized and budgeted over a multi-year period for each program. Cash flows are the amounts estimated to be spent on each program in a given year. The 10-year program for the Water System includes \$5.6 billion in projected cash flow spending, inclusive of capital support expenses.

The focus of the CIP is the five-year period from FY 2026 to FY 2030. Capital needs have been projected for a second five-year period from FY 2031 to FY 2035. Given the long-term nature of these capital improvement plans, by necessity they are preliminary estimates only and will be revised as studies are completed, priorities are redefined, and as new needs emerge. The following charts and tables show the cash flow spending on capital improvements anticipated for the next 10 years.

*Water System 10-Year Capital Cash Flows by Award Purposes*



*Water System 10-Year Capital Cash Flows by Award Purposes*

| Award Purpose & Capital Support              | Capital Expenses (\$ Millions) |              |              |              |              |                      |              |              |              |              |
|--|--------------------------------|--------------|--------------|--------------|--------------|----------------------|--------------|--------------|--------------|--------------|
|  | Budget                         |              | Forecast     |              |              | Long-Term Projection |              |              |              |              |
|  | FY 2026                        | FY 2027      | FY 2028      | FY 2029      | FY 2030      | FY 2031              | FY 2032      | FY 2033      | FY 2034      | FY 2035      |
| District-Wide Building Facility Improvements | 25.6                           | 15.4         | 18.0         | 31.3         | 37.8         | 14.6                 | 13.0         | 12.2         | 14.6         | 15.4         |
| Environmental Resources & Remediation        | 12.3                           | 14.8         | 24.0         | 19.4         | 17.2         | 17.4                 | 21.0         | 21.6         | 15.2         | 16.0         |
| New Business Infrastructure                  | 28.1                           | 28.9         | 29.8         | 30.7         | 31.6         | 32.5                 | 33.5         | 34.5         | 35.6         | 36.6         |
| Pipelines - Distribution System              | 130.5                          | 145.0        | 148.8        | 164.8        | 169.1        | 174.9                | 179.5        | 186.0        | 194.2        | 197.0        |
| Pipelines - Transmission                     | 8.0                            | 19.1         | 25.4         | 27.4         | 6.5          | 9.5                  | 14.8         | 20.2         | 19.2         | 21.4         |
| Pressure Zone Studies                        | 2.7                            | 2.4          | 3.0          | 3.9          | 2.8          | 1.2                  | 1.2          | 1.5          | 1.7          | 1.3          |
| Process & System-Wide Improvements           | 24.7                           | 31.7         | 39.9         | 24.6         | 21.9         | 24.3                 | 16.4         | 14.5         | 13.9         | 16.6         |
| Pumping Plants                               | 29.6                           | 21.5         | 16.9         | 31.2         | 35.4         | 31.4                 | 43.3         | 11.1         | 1.8          | 10.0         |
| Raw Water System                             | 26.8                           | 38.8         | 26.6         | 34.5         | 54.6         | 71.5                 | 35.6         | 21.1         | 14.1         | 12.4         |
| Recreation Areas & Facilities                | 8.5                            | 3.5          | 3.3          | 2.5          | 1.5          | 1.8                  | 1.0          | 1.5          | 1.3          | 1.9          |
| Regulators & Rate Control Stations           | 5.9                            | 0.5          | 1.3          | 3.0          | 4.4          | 1.6                  | 0.3          | 0.4          | 1.0          | 3.2          |
| Reservoirs - Distribution                    | 29.2                           | 40.4         | 9.6          | 36.6         | 38.0         | 69.3                 | 45.3         | 53.5         | 23.2         | 21.0         |
| Reservoirs - Supply                          | 10.6                           | 15.6         | 3.3          | 5.6          | 5.0          | 8.1                  | 7.2          | 8.8          | 12.4         | 5.0          |
| Supplemental Supply, Regional Agreements     | 4.6                            | 8.1          | 7.4          | 3.8          | 2.7          | 1.6                  | 0.9          | 6.6          | 7.1          | 7.1          |
| Sustainable Energy                           | 2.4                            | 1.4          | 3.3          | 3.4          | 1.7          | 0.8                  | 1.3          | 0.8          | 0.9          | 0.8          |
| Vehicles, Equipment & Related Facilities     | 22.1                           | 13.9         | 10.9         | 11.3         | 11.6         | 11.9                 | 12.3         | 13.6         | 14.1         | 15.9         |
| Water Recycling & Conservation               | 4.0                            | 4.3          | 20.0         | 28.5         | 8.0          | 11.1                 | 8.3          | 9.4          | 13.7         | 15.4         |
| Water Treatment                              | 145.9                          | 135.5        | 125.7        | 30.5         | 35.1         | 52.1                 | 66.2         | 75.6         | 40.5         | 5.9          |
| Capital Support                              | 58.0                           | 58.0         | 59.7         | 61.5         | 63.4         | 65.3                 | 67.2         | 69.3         | 71.3         | 73.5         |
| <b>Total Capital Expenses</b>                | <b>579.5</b>                   | <b>598.8</b> | <b>577.0</b> | <b>554.3</b> | <b>548.2</b> | <b>600.9</b>         | <b>568.1</b> | <b>562.3</b> | <b>495.9</b> | <b>476.5</b> |

Funding for the CIP is drawn from the proceeds of debt, grants, reimbursements from developers and other agencies, and current reserves and revenues. Over the ten-year period, the percentage of capital funded from debt will average 33.0 percent, under the target maximum of 65 percent contained in the District's debt policy. Water System total outstanding debt will increase by \$259.1 million, or 9 percent, during the period. Total debt outstanding at the end of the ten-year period will total \$3.1 billion.

Projected new bond issues, outstanding debt, debt service, and projected debt service coverage ratios are shown in the following table. Coverage will remain above the policy target of 1.60x and is expected to increase as the capital program becomes increasingly revenue-funded, which is positive for long-term financial stability.

*Water System Ten-Year Debt Projections*

| Outstanding Debt and Debt Service (\$ Millions) |                |                |                |                |                |                      |                |                |                |                |
|---|----------------|----------------|----------------|----------------|----------------|----------------------|----------------|----------------|----------------|----------------|
|   | Budget         |                | Forecast       |                |                | Long-Term Projection |                |                |                |                |
|   | FY 2026        | FY 2027        | FY 2028        | FY 2029        | FY 2030        | FY 2031              | FY 2032        | FY 2033        | FY 2034        | FY 2035        |
| <b>Beginning of Year Outstanding Debt</b>       | <b>2,878.7</b> | <b>3,124.7</b> | <b>3,352.5</b> | <b>3,500.9</b> | <b>3,580.3</b> | <b>3,635.4</b>       | <b>3,700.5</b> | <b>3,671.3</b> | <b>3,578.1</b> | <b>3,372.0</b> |
| Debt Retired                                    | 109.0          | 117.2          | 126.6          | 135.6          | 144.9          | 154.9                | 164.2          | 183.2          | 206.0          | 234.3          |
| New Bonds & Loans                               | 355.0          | 345.0          | 275.0          | 215.0          | 200.0          | 220.0                | 135.0          | 90.0           | -              | -              |
| <b>Total Outstanding Debt</b>                   | <b>3,124.7</b> | <b>3,352.5</b> | <b>3,500.9</b> | <b>3,580.3</b> | <b>3,635.4</b> | <b>3,700.5</b>       | <b>3,671.3</b> | <b>3,578.1</b> | <b>3,372.0</b> | <b>3,137.8</b> |
| Debt Service, Existing Debt                     | 243.2          | 264.2          | 286.3          | 303.9          | 317.6          | 330.3                | 344.3          | 362.8          | 383.0          | 402.0          |
| Debt Service, New Debt                          | 23.1           | 22.4           | 17.9           | 14.0           | 13.0           | 14.3                 | 8.8            | 5.9            | -              | -              |
| <b>Total Debt Service</b>                       | <b>266.3</b>   | <b>286.6</b>   | <b>304.2</b>   | <b>317.9</b>   | <b>330.6</b>   | <b>344.6</b>         | <b>353.1</b>   | <b>368.6</b>   | <b>383.0</b>   | <b>402.0</b>   |
| <b>Debt Service Coverage</b>                    | <b>1.90x</b>   | <b>1.88x</b>   | <b>1.92x</b>   | <b>1.98x</b>   | <b>2.05x</b>   | <b>2.12x</b>         | <b>2.22x</b>   | <b>2.36x</b>   | <b>2.54x</b>   | <b>2.74x</b>   |

**EBMUD Fun Fact:**

EBMUD offers 126 miles of watershed trails in the East Bay and the Sierra Nevada foothills. That's almost exactly the same distance as if you walked from EBMUD's Administration Building in downtown Oakland to EBMUD's Pardee Reservoir Recreation Area in Lone.

## Chapter 5: Wastewater System

### Overview

This chapter provides a detailed discussion of the Wastewater System, including:

- Fund Summary
- Sources of Funds
- Use of Funds
- Staffed Department Operations
- Debt Service and Financing
- Capital Improvement Program
- 10-Year Financial Forecast



*Lab Techs Perform Sample Extraction*

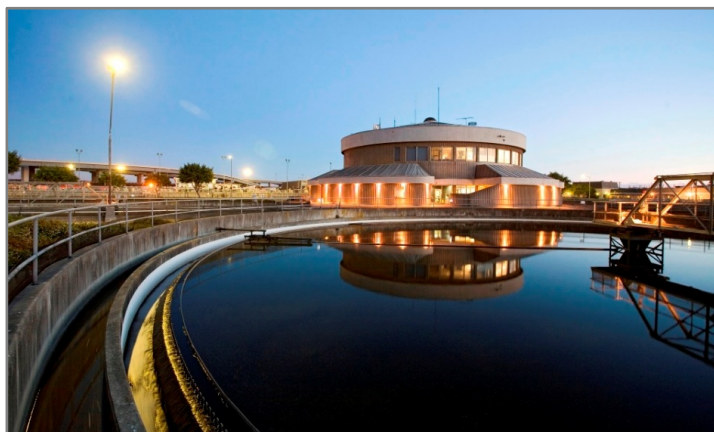
The Wastewater System is an enterprise fund consisting of operating and capital budgets. The system treats wastewater discharged from residences and industries in the communities of Alameda, Albany, Berkeley, Emeryville, Oakland, Piedmont, and the Stege Sanitary District. The Wastewater System receives and pays for administrative, financial, and other support services provided by the Water System.

### KEY ASSUMPTIONS

The following are key projections and assumptions used in the FY 2026 and FY 2027 budget.

#### *Wastewater System Key Assumptions*

| Key Assumptions                                |          |          |
|--|----------|----------|
|  | FY 2026  | FY 2027  |
| Average Rate Increase                          | 8.50%    | 8.50%    |
| Typical Monthly Single-Family Residential Bill | \$ 28.05 | \$ 30.40 |



*Main Wastewater Treatment Plant – Oakland, CA*

## FUND SUMMARY

The following fund summary table shows the Wastewater System's beginning and ending fund balance, and projected revenue and expenditure budgets for FY 2026 and FY 2027.

*Wastewater System Detailed Fund Summary - Sources & Uses*

| Detailed Fund Summary - Sources & Uses (\$ Millions) |              |              |              |
|--|--------------|--------------|--------------|
|  | FY 2026      | FY 2027      | % Change     |
| <b>Beginning Balance (Projected)</b>                 | <b>124.8</b> | <b>120.5</b> | <b>-3.4%</b> |
| <b>Sources of Funds</b>                              |              |              |              |
| <b>Sources of Funds (Operating)</b>                  |              |              |              |
| Treatment Charges                                    | 108.5        | 117.7        | 8.5%         |
| Wet Weather Facilities Charges                       | 39.0         | 42.3         | 8.5%         |
| Resource Recovery                                    | 11.0         | 11.0         | 0.0%         |
| Property Taxes                                       | 9.1          | 9.2          | 2.0%         |
| Interest Income                                      | 3.7          | 3.0          | -18.7%       |
| Laboratory Services                                  | 5.7          | 5.8          | 2.7%         |
| Reimbursements                                       | 2.1          | 2.1          | 2.8%         |
| Permit Fees  | 1.7          | 1.7          | 2.8%         |
| All Other Revenue                                    | 6.5          | 6.6          | 1.7%         |
| <b>Subtotal Sources of Funds (Operating)</b>         | <b>187.2</b> | <b>199.6</b> | <b>6.6%</b>  |
| <b>Sources of Funds (Capital)</b>                    |              |              |              |
| New Bond Proceeds                                    | 40.0         | 35.0         | -12.5%       |
| Capacity Charges                                     | 3.0          | 3.0          | 0.0%         |
| Grants   | 4.2          | 11.6         | 172.8%       |
| Other Capital Revenue                                | -            | -            |              |
| <b>Subtotal Sources of Funds (Capital)</b>           | <b>47.2</b>  | <b>49.6</b>  | <b>4.9%</b>  |
| <b>Total Sources of Funds</b>                        | <b>234.5</b> | <b>249.2</b> | <b>6.3%</b>  |
| <b>Uses of Funds</b>                                 |              |              |              |
| <b>Use of Funds (Operating)</b>                      |              |              |              |
| Labor  | 65.4         | 68.2         | 4.4%         |
| Contract Services                                    | 5.4          | 5.2          | -4.7%        |
| Other  | 44.7         | 46.1         | 3.1%         |
| Contingency (Non-Labor)                              | 6.5          | 7.3          | 12.0%        |
| Debt Service   | 36.9         | 36.8         | -0.4%        |
| Capital Support                                      | (3.1)        | (3.1)        | 0.0%         |
| <b>Subtotal Use of Funds (Operating)</b>             | <b>155.9</b> | <b>160.5</b> | <b>3.0%</b>  |
| <b>Use of Funds (Capital)</b>                        |              |              |              |
| Capital Cash Flows                                   | 79.8         | 84.8         | 6.2%         |
| Capital Support                                      | 3.1          | 3.1          | 0.0%         |
| <b>Subtotal Use of Funds (Capital)</b>               | <b>82.9</b>  | <b>87.9</b>  | <b>6.0%</b>  |
| <b>Total Uses of Funds</b>                           | <b>238.8</b> | <b>248.3</b> | <b>4.0%</b>  |
| Total Sources  | 234.5        | 249.2        | 6.3%         |
| Total Uses   | 238.8        | 248.3        | 4.0%         |
| <b>All Sources less Uses</b>                         | <b>(4.3)</b> | <b>0.9</b>   | <b>--</b>    |
| <b>Ending Balance*</b>                               | <b>120.5</b> | <b>121.4</b> | <b>0.7%</b>  |

\*Ending Balance includes all policy reserves and reserves for capital projects.

## Sources of Funds

### OVERVIEW

The Wastewater System has a variety of revenue sources to fund its operations, and a portion of the capital expense. The remaining capital expense is funded primarily by new bond proceeds.

The table below shows actuals and budgets for operating revenues and capital funding sources.

*Wastewater System Detailed Revenue Summary*

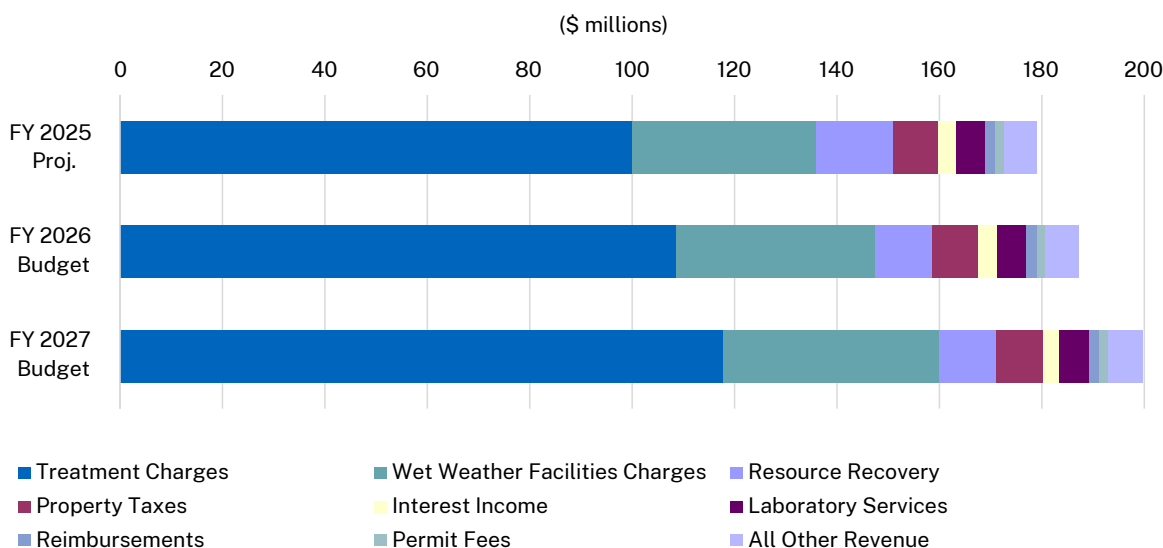
| Detailed Revenue Summary (\$ Millions) |              |              |              |              |              |
|--|--------------|--------------|--------------|--------------|--------------|
|  | Actuals      |              | Projection*  | Budget       |              |
|  | FY 2023      | FY 2024      | FY 2025      | FY 2026      | FY 2027      |
| <b>Operating Revenues</b>              |              |              |              |              |              |
| Treatment Charges                      | 86.0         | 92.5         | 100.0        | 108.5        | 117.7        |
| Wet Weather Facilities Charges         | 30.7         | 33.3         | 36.0         | 39.0         | 42.3         |
| Resource Recovery                      | 16.7         | 15.1         | 15.0         | 11.0         | 11.0         |
| Property Taxes                         | 8.1          | 8.7          | 8.9          | 9.1          | 9.2          |
| Interest Income                        | 1.8          | 3.3          | 3.5          | 3.7          | 3.0          |
| Laboratory Services                    | 4.9          | 5.2          | 5.5          | 5.7          | 5.8          |
| Reimbursements                         | 1.7          | 2.1          | 2.0          | 2.1          | 2.1          |
| Permit Fees                            | 1.7          | 1.6          | 1.6          | 1.7          | 1.7          |
| All Other Revenue                      | 6.7          | 6.8          | 6.4          | 6.5          | 6.6          |
| <b>Total Operating Revenues</b>        | <b>158.3</b> | <b>168.7</b> | <b>178.9</b> | <b>187.2</b> | <b>199.6</b> |
| <b>Capital Funding Sources</b>         |              |              |              |              |              |
| New Bond Proceeds                      | -            | 27.5         | 30.0         | 40.0         | 35.0         |
| Capacity Charges                       | 7.1          | 3.5          | 3.9          | 3.0          | 3.0          |
| Grants                                 | -            | -            | 0.2          | 4.2          | 11.6         |
| Other Capital Revenue                  | 0.9          | 0.9          | 1.0          | -            | -            |
| <b>Total Capital Funding Sources</b>   | <b>8.0</b>   | <b>31.9</b>  | <b>35.1</b>  | <b>47.2</b>  | <b>49.6</b>  |
| <b>Total Funding Sources</b>           | <b>166.3</b> | <b>200.7</b> | <b>214.0</b> | <b>234.5</b> | <b>249.2</b> |

## OPERATING REVENUE SOURCES

Wastewater System operating revenues for FY 2026 are budgeted to increase \$8.3 million, or 4.6 percent compared to projections for year-end FY 2025, for a total of \$187.2 million. In FY 2027, operating revenue is budgeted at \$199.6 million, an increase of \$12.4 million or 6.6 percent.

The figure below illustrates the various sources of operating revenue.

*Wastewater System Operating Revenue Sources*



The following are descriptions of the sources of operating revenue, including information about the projected revenues for FY 2026 and FY 2027.

### Treatment Charges

The District provides treatment for discharges collected through city-owned sewers and transported through District interceptors and pump stations to the Main Wastewater Treatment Plant (MWWTP). Treatment Charges for all customers are based on the volume and strength of the wastewater discharged plus a service charge and a San Francisco Bay protection fee and are collected on the water bill. The revenue generated by the various Treatment Charges is projected to increase by \$8.5 million, or 8.5 percent in FY 2026 to \$108.5 million. For FY 2027, the Treatment Charge will be \$117.7 million, an increase of \$9.2 million or 8.5 percent.

### Wet Weather Facilities Charge

In June 1987, the Board of Directors established the Wet Weather Facilities Charge to pay for the costs associated with the District wet weather facilities. This charge is assessed on a per parcel basis and, while it is not a tax, the charge is collected on the county property tax bill. The charge is projected to collect approximately \$39.0 million in FY 2026, an 8.5 percent increase above the projected FY 2023 year-end revenues. In FY 2027, the projected revenue is \$42.3 million, an 8.5 percent increase.



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**Resource Recovery**

Excess capacity at the MWWTP is utilized by accepting trucked waste. The Resource Recovery Program is projected to generate \$11.0 million in FY 2026 and \$11.0 million in FY 2027, which represents a decrease of \$4.0 million compared to revenue projections for FY 2025 year-end, reflecting a conservative approach to budgeting for this volatile and demand-driven revenue source.

**Property Taxes**

The District receives a portion of the one percent county levy on properties within District boundaries. For FY 2026 and FY 2027, revenues are projected to be \$9.1 million and \$9.2 million, respectively, reflecting modest growth that is steadied by Proposition 13 limits on valuation growth.

**Interest Income**

The District places funds not needed for current expenses in investment of various types, following the same procedures as the Water System. Interest Income in FY 2026 is projected to be \$3.7 million, an increase of \$0.2 million from the FY 2025 year-end projection due to continued expected increases in short-term interest rates as well as the lagging nature of earnings compared to the current interest environment. Interest Income in FY 2027 is projected to be \$3.0 million.

**Laboratory Services**

The Wastewater laboratory provides testing and analysis services for the Water and Wastewater Systems and several outside agencies. The Water and Wastewater Systems share in the joint costs of operating the lab. Revenues from the Water System and outside agencies are projected to be \$5.7 million for FY 2026 and \$5.8 million for FY 2027.

**Reimbursements**

The Wastewater System is also reimbursed from the Water System for work performed by Wastewater staff on the recycled water programs. The estimated revenue from reimbursements is \$2.1 million for FY 2026 and \$2.1 million for FY 2027.

**Permit Fees**

The District collects fees to fund its pollution prevention programs and the discharge permit programs. In FY 2026 and in FY 2027, the estimated revenue from these permit fees will be \$1.7 million.

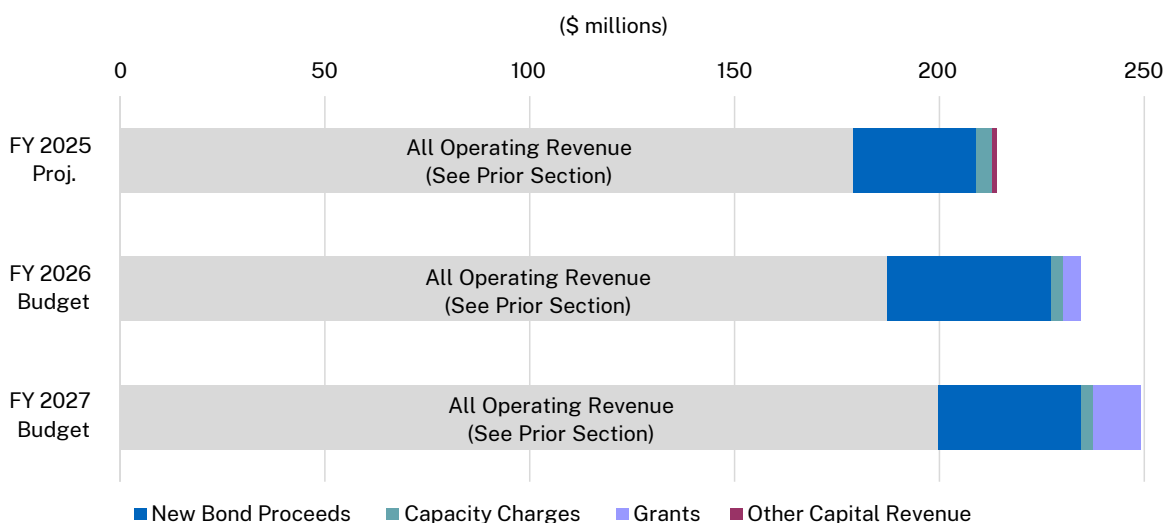
**All Other Revenue**

Included in this category are Build America Bond subsidy payments, which in recent years have been subject to sequestration, but are typically \$1.5 million. Also included are revenues related to the Private Sewer Lateral (PSL) program, land rents and billboard lease revenue, revenue from energy sales at the Power Generation Station (PGS) All Other Revenue is expected to be approximately even at \$6.5 million for both FY 2026 and \$6.6 million in FY 2027.

## CAPITAL FUNDING SOURCES

The following are descriptions of the sources of capital funding. The Capital Improvement Program (CIP) will be funded with bond proceeds, capacity charges, grants, and other capital revenues. These funds are not the exclusive way to fund the capital program, however, as all operating revenues above the amount required to pay for operating and debt service expenses can be used to pay for the CIP.

### Wastewater System Capital Funding Sources



The following describes the sources of capital funding.

### New Bond Proceeds

It is anticipated that the District will receive \$40 million in new revenue bond proceeds in FY 2026 and \$35 million in FY 2027. Please refer to the section Debt Service and Financing for additional details on debt funding of capital projects.

### Capacity Charges

Wastewater Capacity Charges are collected from customers requesting new wastewater service. Capacity Charges, similar to SCCs for the Water System, are subject to market forces as new development activity drives these revenue sources. The District is expecting building activity may continue to be slow and is budgeting for revenue of \$3.0 million for both FY 2026 and FY 2027.

### Grants

The District pursues federal and state grants to fund some of its capital projects when they meet the conditions of the grant and loan programs. Wastewater has been awarded a grant to fund up to \$27 million of a \$30 million project to rebuild the Influent Pump Station. The grant funds have been budgeted in the year they are expected to be received, though the timing is unknown and may vary significantly.

### Other Capital Revenue

Other capital revenue includes small amounts of reimbursements in some years as well as interest earnings on funds set aside for capital projects. Given the small size of this, it is not typically budgeted.

## Use of Funds

### OVERVIEW

The Wastewater System has three types of expenditures:

- **Operations** – the annual costs of providing all wastewater services;
- **Debt Service** – the repayment of bonds for making capital investments along with other debt-related expenses; and
- **Capital Cash Flow** – the annual costs of the CIP for long-term projects.

The following table shows the breakdown of expenses by the type of expenditure.

*Wastewater System Use of Funds FY 2023 to FY 2027*

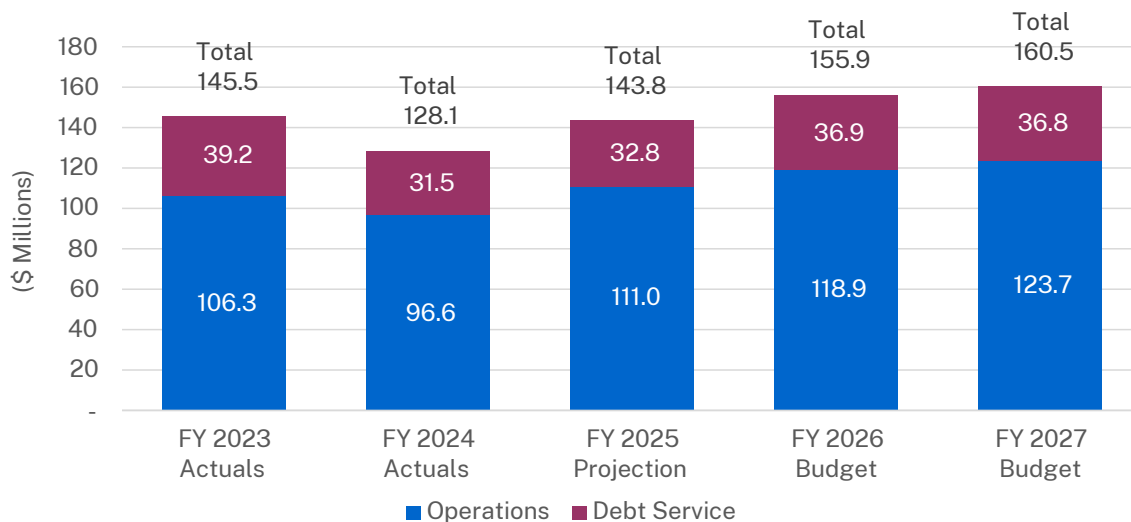
| Use of Funds (\$ Millions) |              |              |              |              |              |
|----------------------------|--------------|--------------|--------------|--------------|--------------|
|                            | Actuals      |              | Projection*  | Budget       |              |
|                            | FY 2023      | FY 2024      | FY 2025      | FY 2026      | FY 2027      |
| Operations                 | 106.3        | 96.6         | 111.0        | 118.9        | 123.7        |
| Debt Service               | 39.2         | 31.5         | 32.8         | 36.9         | 36.8         |
| Capital Cash Flow          | 55.3         | 64.4         | 59.1         | 82.9         | 87.9         |
| <b>Total Expenses</b>      | <b>200.8</b> | <b>192.5</b> | <b>202.9</b> | <b>238.8</b> | <b>248.3</b> |

\*Based on the first six months of the fiscal year and updated as of March 1, 2025.

This section describes the major components of the Wastewater System operations budget. Typical expenditures include, but are not limited to labor, benefits, chemicals, energy, spoils/sludge disposal, parts, materials, and fees and licenses.

In FY 2026, the combined operations and debt service budgets are increasing by \$11.4 million, or 7.9 percent compared to FY 2025 projected actual expenses. In FY 2027, the budgets will increase \$5.2 million or 3.6 percent compared to the first year of the biennial budget.

*Wastewater System Use of Funds for Operations and Debt Service*



## DEPARTMENT OPERATING BUDGET

The operations portion of the Wastewater System budget is divided into four departments, which are staffed, contingency, intradistrict, and capital support. The staffed department includes all employees assigned to work in the Wastewater Department. The staffed department budget funds the day-to-day operations of the Wastewater System, and includes funding for labor, benefits, outside contract services and other non-labor expenses such as chemicals, energy, spoils and sludge disposal, parts, materials, fees, and licenses. A detailed description of the staffed department is included later in this chapter.

A small number of departments do not have personnel assigned to them and are referred to as non-staffed departments described as follows:

- **Contingency** – Funds are budgeted each fiscal year to cover projected labor-related expenses such as Pay for Performance. The contingency budget also includes funding for unanticipated needs which may arise before the next budget cycle.
- **Intradistrict** – Certain internal service accounts are included in balance sheets to assure that internal expenses are not counted twice within the operations budget. Examples of these accounts include warehouse stores overhead and fleet vehicle expenses. The Wastewater System typically has only very small amounts of actual expenses in these accounts by year-end, so they are not typically budgeted.
- **Capital Support** – Costs that are not directly attributable to specific capital projects but indirectly support the CIP. Capital support costs in the operations budget are reallocated to the capital budget and will decrease operating expenses by a like amount.

The following table presents the total FY 2026 and FY 2027 Wastewater System operating budgets by department.

*Wastewater System Staffed and Non-Staffed Department Operating Budgets*

| Operating Budget by Department (\$ Millions) |                    |                    |                       |              |             |              |             |
|--|--------------------|--------------------|-----------------------|--------------|-------------|--------------|-------------|
| Departments                                  | FY 2023<br>Actuals | FY 2024<br>Actuals | FY 2025<br>Projected* | FY 2026      |             | FY 2027      |             |
|  |                    |                    |                       | Budget       | % Change    | Budget       | % Change    |
| Wastewater                                   | 110.3              | 100.7              | 114.2                 | 115.1        | 0.9%        | 119.1        | 3.4%        |
| <b>Staffed Department Subtotal</b>           | <b>110.3</b>       | <b>100.7</b>       | <b>114.2</b>          | <b>115.1</b> | <b>0.9%</b> | <b>119.1</b> | <b>3.4%</b> |
| Contingency                                  | -                  | -                  | 2.9                   | 6.9          | 138.3%      | 7.7          | 11.4%       |
| Intradistrict                                | (0.3)              | (0.2)              | -                     | -            |             | -            |             |
| Capital Support                              | (3.7)              | (3.9)              | (3.0)                 | (3.1)        | 2.0%        | (3.1)        | 0.0%        |
| <b>Total Operations</b>                      | <b>106.3</b>       | <b>96.6</b>        | <b>114.0</b>          | <b>118.9</b> | <b>4.3%</b> | <b>123.7</b> | <b>4.0%</b> |
| Debt Service                                 | 39.2               | 31.5               | 32.8                  | 36.9         | 12.5%       | 36.8         | -0.4%       |
| <b>Total Operating</b>                       | <b>145.5</b>       | <b>128.1</b>       | <b>146.8</b>          | <b>155.9</b> | <b>6.2%</b> | <b>160.5</b> | <b>3.0%</b> |

## DEPARTMENT OPERATING EXPENSE HIGHLIGHTS

The Wastewater System is comprised of one staffed department that performs all aspects of wastewater system operations. This section details the department's labor and non-labor budget, department goals and staffing.

The table below is a duplicate of the one in the Wastewater Department budget summary section later in this chapter, however it is displayed again here in millions (instead of thousands) for consistency with the Water System's budget and so the descriptive highlights below have a reference. Note that, similar to the Water System, this table excludes the capital support overhead allocated from operations to capital and other operating departments without assigned staff.

### *Wastewater System Staffed Department Budget Detail*

#### Staffed Department Operating Budget Detail and Historical Comparison (\$ Millions)

| Category                                | FY 2023      | FY 2024      | FY 2025      | FY 2026      |             | FY 2027      |             |
|---|--------------|--------------|--------------|--------------|-------------|--------------|-------------|
|   | Actuals      | Actuals      | Budget       | Budget       | % Change    | Budget       | % Change    |
| Total Labor and Benefits                | 61.8         | 69.8         | 71.3         | 78.7         | 10.4%       | 82.2         | 4.5%        |
| <i>Less: Capital Labor and Benefits</i> | 11.5         | 12.8         | 14.0         | 13.7         | -2.2%       | 14.4         | 5.0%        |
| Operating Labor and Benefits            | 50.4         | 56.9         | 57.2         | 65.0         | 13.5%       | 67.8         | 4.4%        |
| Contract Services                       | 3.5          | 3.1          | 5.3          | 5.4          | 2.6%        | 5.2          | -4.7%       |
| Other Costs                             | 56.4         | 40.6         | 48.5         | 44.7         | -7.9%       | 46.1         | 3.1%        |
| <b>Operating Total</b>                  | <b>110.3</b> | <b>100.7</b> | <b>111.1</b> | <b>115.1</b> | <b>3.6%</b> | <b>119.1</b> | <b>3.4%</b> |

### Labor and Benefits

Operating labor and benefits costs are allocated to the single staffed department. Included in the labor budget are various assumptions, including cost-of-living adjustments, eligibility for promotions, turnover rates, the lead time to fill vacancies, and future benefit costs.

Total labor and benefit costs are expected to grow \$7 million, or 12.2 percent, compared to FY 2025. The significant growth in labor and benefit costs in FY 2026 are driven by several factors, including:

- Staff increases due to investments in several key areas, including electrical maintenance work and for workforce development for the trades;
- Increased wages and benefits, driven by existing Board-approved labor agreements; and
- Increased health insurance costs, driven primarily by increases in premiums for Kaiser Health Insurance.

These increases are offset, in part, by an increasing number and relative size of participants in the District's 2013 Plan for retirement, which has a lower employer contribution rate than the 1980 plan.

In FY 2027, total labor and benefit costs increase \$1.4 million, or 3.0 percent compared to FY 2026, primarily for scheduled step increases and assumptions for cost-of-living adjustments.

**Non-Labor Operating Costs**

The Wastewater staffed department non-labor costs are decreasing by \$3.7 million or 6.8 percent in FY 2026 and will increase \$1.1 million or 2.1 percent in FY 2027 compared to the prior fiscal year. A detailed explanation of the significant changes is shown in the department budget highlights section later in this chapter.

**DEPARTMENT OPERATING EXPENSES BY CATEGORY**

The table below depicts the Wastewater System staffed department operations by expense category. It excludes capital labor which is shown later in this chapter. Operating labor is the largest cost at more than 50 percent of the operations budget.

*Wastewater System Staffed Department Operations by Category*

| Staffed Department Operations by Category (\$ Millions) |             |            |             |              |             |            |             |              |
|---|-------------|------------|-------------|--------------|-------------|------------|-------------|--------------|
| Department  | FY 2026     |            |             |              | FY 2027     |            |             |              |
|   | Labor       | Contracts  | Other       | Total        | Labor       | Contracts  | Other       | Total        |
| Wastewater  | 65.0        | 5.4        | 44.7        | 115.1        | 67.8        | 5.2        | 46.1        | 119.1        |
| <b>Total</b>  | <b>65.0</b> | <b>5.4</b> | <b>44.7</b> | <b>115.1</b> | <b>67.8</b> | <b>5.2</b> | <b>46.1</b> | <b>119.1</b> |

**Staffed Department Operations**

This section describes the staffed department and includes the following topics:

- **Overview** provides an overall statement about the key responsibilities of the department within the larger mission of the District.
- **Description of Services Provided** describes the responsibilities of the department, including services required to meet regulatory or legal requirements.
- **FY 2026 and FY 2027 Goals** highlight the highest priority tasks or projects related to the budget and the District's Strategic Plan.
- **Department Budget Summary** is a table that shows the Department's operating budget expenditures by category (Labor and Benefits, Contract Services, Other Costs). It also includes capital labor.
- **Budget Highlights** shows changes in costs relative to the previous fiscal year and describes reasons for those changes. This section focuses on the significant budget change.
- **Staffing Summary** is a table that shows the Full-Time Equivalency (FTE) for the department by appointment type (full-time, part-time, etc.).
- **Staffing Changes** is a section included only if the department has position changes that require Board approval. The table details the position changes, and provides a change in cost, which is an estimate based on typical salaries and benefit costs for the classification.

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## WASTEWATER DEPARTMENT

### Overview

The Wastewater Department (WAS) operates and maintains District wastewater collection and treatment facilities to comply with environmental and public health requirements. The primary goal of the department is to ensure public health and safety by meeting or surpassing federal, state, and local regulations regarding air, biosolids, and water quality. The department strives to protect the environment by reducing or eliminating the discharge of pollutants into the air, land, and San Francisco Bay and recovering water, energy, and nutrients from wastes.

### Description of Services Provided

The department includes the Wastewater Treatment, Wastewater Engineering, Laboratory and Technical Services, and Environmental Services divisions, as well as the Infiltration/Inflow Control group and Technical and Emerging Issues group. These groups work together to operate and maintain the wastewater interceptor system, Main Wastewater Treatment Plant (MWWTP), water recycling facilities, and three wet weather facilities. The department maintains compliance with all its permit requirements and plans for future regulatory changes, such as those related to nutrients, air emissions, contaminants of emerging concerns, and biosolids management; leads all master planning to identify future capital project needs; develops and manages the department's Capital Improvement Program; plans, designs, and manages the construction of its capital projects; monitors discharges from wastewater customers; issues commercial and industrial discharge permits; manages a Regional Private Sewer Lateral Program and implements projects to reduce infiltration and inflow; manages a Resource Recovery Program and renewable energy generation; and tests environmental samples and reports analytical results to support the District's water, wastewater, and recycled water services.

### FY 2026 and FY 2027 Goals

The department has a key role in the Water Quality and Environmental Protection, Long-Term Infrastructure Investment, and Long-Term Financial Stability Strategic Plan goals. The department also supports the Long-Term Water Supply goals.

Key department goals include:

- Continuing operation and maintenance of existing wastewater infrastructure for regulatory compliance and protection of public health, safety, and the environment;
- Developing and implementing the Wastewater Department's Capital Improvement Program;
- Performing studies, facility planning, and preliminary engineering analysis to define capital project scopes of work and prepare budgetary cost estimates for future projects to inform the Capital Improvement Program;
- Leading master plans to identify necessary capital projects for the rehabilitation of the sewer interceptors, and nutrient removal processes to comply with future infrastructure needs and regulatory requirements;
- Developing and optimizing the biological nitrogen removal process at the Main Wastewater Treatment Plant;
- Leading climate change adaptation planning for Wastewater facilities;
- Complying with the California Environmental Quality Act (CEQA) by preparing environmental documentation for all capital projects;



- Meeting the requirements of a Wet Weather Consent Decree by implementing a Regional Private Sewer Lateral Program and certifying pipe as leak-free; continuing implementation of work requirements under the Wet Weather Consent Decree, while striving to reduce the impacts of stormwater and groundwater on the regional wastewater collection system;
- Utilizing and optimizing power generation facilities to enhance uptime, maximize renewable energy generation, reduce the District's greenhouse gas emissions, and improve power supply reliability to ensure service even during peak wet weather demand;
- Managing the Department's biosolids program;
- Continuing to maintain a robust Resource Recovery program to provide environmentally sustainable disposal solutions and renewable energy while also providing net revenues to stabilize rates;
- Continuing to provide year-round laboratory and analytical services for the District's drinking water, wastewater, recycled water, biosolids, wet weather, and resource recovery programs;
- Continuing to maintain compliance with all National Pollutant Discharge Elimination System (NPDES) permit requirements for the MWWTP by reducing pollution at its source through implementation of an industrial pretreatment permit program; continuing oversight of commercial and institutional discharges; and continuing education and outreach to residential dischargers;
- Continuing to maintain compliance with Title V of the Clean Air Act for the MWWTP by controlling air emissions from cogeneration engines, generators, digester gas flares, and other sources; and
- Increasing leadership and staff development training and providing tools and resources to support worker health and safety and emergency response.

### Department Budget Summary

The department's projected spending is compared to prior years in the table below.

#### *Wastewater Department Operating Budget Detail*

#### Department Operating Budget Detail and Historical Comparison (\$ Thousands)

| Category                         | FY 2023        | FY 2024        | FY 2025        | FY 2026        |             | FY 2027        |             |
|----------------------------------|----------------|----------------|----------------|----------------|-------------|----------------|-------------|
|                                  | Actuals        | Actuals        | Budget         | Budget         | % Change    | Budget         | % Change    |
| Total Labor and Benefits         | 61,841         | 69,763         | 71,274         | 78,703         | 10.4%       | 82,226         | 4.5%        |
| Less: Capital Labor and Benefits | 11,488         | 12,850         | 14,026         | 13,724         | -2.2%       | 14,410         | 5.0%        |
| Operating Labor and Benefits     | 50,353         | 56,913         | 57,248         | 64,979         | 13.5%       | 67,815         | 4.4%        |
| Contract Services                | 3,533          | 3,128          | 5,298          | 5,438          | 2.6%        | 5,182          | -4.7%       |
| Other Costs                      | 56,445         | 40,635         | 48,547         | 44,709         | -7.9%       | 46,084         | 3.1%        |
| <b>Operating Total</b>           | <b>110,331</b> | <b>100,676</b> | <b>111,094</b> | <b>115,127</b> | <b>3.6%</b> | <b>119,081</b> | <b>3.4%</b> |

### Budget Highlights

The department's operating budget in FY 2026 is increasing \$4.0 million, or 3.6 percent, compared to FY 2025. In FY 2027, the budget will increase \$4.0 million, or 3.4 percent, compared to the first year of the biennial budget. Significant changes include:

#### FY 2026

Total Labor and Benefit costs are increasing in FY 2026 compared to the FY 2025 budget due to expectations for salary increases related to career advancement and general expectations for inflationary pressures on labor costs, as well as higher costs for fringe benefits, especially health insurance, in addition to two new added positions. Contract Services are increasing primarily due to shifting some work from capital to operating, a new biosolids alternative use study, operational and



maintenance training, and laboratory services. Other Costs are decreasing primarily due to reductions in chemicals, along with insurance premiums and workers' compensation claims which are now budgeted separately under the contingency department. These decreases are partially offset by increases from reallocating routine capital expenses to operating costs.

### FY 2027

Total Labor and Benefit costs are increasing in FY 2027 due to expectations for salary increases related to career advancement and general expectations for inflationary pressures on labor costs. Contract Services are decreasing primarily because the biosolids alternative use study is only budgeted in FY 2026. Other Costs are expected to increase due to general price inflation primarily in chemicals, spoils and sludge disposal, energy, and fees and licenses.

### Staffing Summary

The table below summarizes the staffing changes and transfers that have occurred among departments. In FY 2026, there are 2.0 new FTEs. There are no changes in FY 2027.

#### Wastewater Department Staffing Summary

##### Department Staffing Summary and Comparison (FTE)

| Position Type               | FY 2023       | FY 2024       | FY 2025       | FY 2026       | Change      | FY 2027       | Change   |
|-----------------------------|---------------|---------------|---------------|---------------|-------------|---------------|----------|
| Full-Time                   | 286.00        | 295.00        | 295.00        | 300.00        | 5.00        | 300.00        | -        |
| Limited-Term / Temp. Const. | 3.00          | 8.00          | 8.00          | 5.00          | (3.00)      | 5.00          | -        |
| Intermittent                | -             | -             | -             | -             | -           | -             | -        |
| Temporary / Part-Time       | 0.50          | 1.00          | 1.00          | 1.00          | -           | 1.00          | -        |
| <b>Total FTE</b>            | <b>289.50</b> | <b>304.00</b> | <b>304.00</b> | <b>306.00</b> | <b>2.00</b> | <b>306.00</b> | <b>-</b> |

### Staffing Changes

The table below summarizes FTE changes. These changes reflect a growing Wastewater CIP, address critical preventative electrical maintenance — reducing reliance on contracted maintenance work — and expand workforce development in skilled trades.

#### Wastewater Department Staffing Changes

##### FY 2026 & FY 2027 Department Staffing Changes

| FY   | Board Action | From Classification               | From Character | To Classification              | To Character | Cost Change | FTE Change | Purpose, Project or Program             |
|------|--------------|-----------------------------------|----------------|--------------------------------|--------------|-------------|------------|---|
| 2026 | Add          |                                   |                | Electrical Technician          | REG          | 209,845     | 1.00       | Complete critical electrical projects   |
| 2026 | Add          |                                   |                | LT Technical Trades Apprentice | L/T          | 126,000     | 1.00       | Increase opportunities in the trades    |
| 2026 | Convert      | Associate Civil Engineer          | T/C            | Associate Civil Engineer       | REG          | -           | -          | Support baseline growth in capital plan |
| 2026 | Convert      | Associate Civil Engineer          | T/C            | Associate Civil Engineer       | REG          | -           | -          | Support baseline growth in capital plan |
| 2026 | Convert      | Associate Civil Engineer          | T/C            | Associate Civil Engineer       | REG          | -           | -          | Support baseline growth in capital plan |
| 2026 | Delete       | Wastewater Control Inspector I/II | L/T            |                                |              | (168,034)   | (1.00)     | Position no longer needed               |

## Staffing

### Appointment Types

The majority of the workforce is comprised of full-time civil service or full-time civil service exempt positions. Limited-term positions are intended to augment regular staff to accomplish extra work or other operational programs or activities of a limited duration, with appointments for a maximum of four years. Temporary construction positions are also of a limited and specified duration typically associated with capital projects. Intermittent positions represent the smallest number of appointment types and typically work 32 hours instead of 40 hours per week. Part-time positions are normally restricted to 832 hours per year. Temporary positions are limited to a 6-month duration and are full-time during that duration.

The table below provides the full-time equivalent (FTE) for the Wastewater department and compares the changes from year-to-year. The FTE value varies by appointment type.

- Full-time, limited-term, and temporary construction appointment types equal 1.0 FTE;
- Intermittent appointment types equal 0.75 FTE; and
- Part-time and temporary appointment types equal 0.5 FTE.

#### *Wastewater System Staffing Summary*

| FY 2026 & FY 2027 Department Staffing (FTE) |               |               |             |               |            |
|---|---------------|---------------|-------------|---------------|------------|
| Department                                  | FY 2025       | FY 2026       |             | FY 2027       |            |
|   | Budget        | Budget        | FTE Change  | Budget        | FTE Change |
| Wastewater                                  | 304.00        | 306.00        | 2.00        | 306.00        | -          |
| <b>Total FTE</b>                            | <b>304.00</b> | <b>306.00</b> | <b>2.00</b> | <b>306.00</b> | <b>-</b>   |

In FY 2026, a net total of 2.0 FTEs are being added to the Wastewater System. In FY 2027, there are no changes in FTE.

## BARGAINING UNIT CHANGES

Tables below show the net change in bargaining unit status of authorized FTEs represented by different unions, management/confidential, non-represented groups, and civil service exempt positions. The tables reflect Board of Directors authorized additions and deletions in FY 2026 and FY 2027 and correspond to the staffing changes table in each department.

### *FY 2026 vs FY 2025 Wastewater System Changes in Bargaining Units*

#### **FY 2026 vs FY 2025 Department Net Change in Bargaining Unit Status (FTE)**

| Department       | Local 2019 | Local 444   | Local 21 | Local 39 | MGR / CONF | NRP | EXMPT |
|------------------|------------|-------------|----------|----------|------------|-----|-------|
| Wastewater       | -          | 2.00        | -        | -        | -          | -   | -     |
| <b>Total FTE</b> | -          | <b>2.00</b> | -        | -        | -          | -   | -     |

### *FY 2027 vs FY 2026 Wastewater System Changes in Bargaining Units*

#### **FY 2027 vs FY 2026 Department Net Change in Bargaining Unit Status (FTE)**

| Department       | Local 2019 | Local 444 | Local 21 | Local 39 | MGR / CONF | NRP | EXMPT |
|------------------|------------|-----------|----------|----------|------------|-----|-------|
| Wastewater       | -          | -         | -        | -        | -          | -   | -     |
| <b>Total FTE</b> | -          | -         | -        | -        | -          | -   | -     |



*Setting Up Samples for Analysis in the Wastewater Lab*

## Debt Service and Financing

### OVERVIEW

This section describes the Wastewater System's current and projected debt obligations, current credit ratings, and adherence to the District's debt financing policies.

Debt is incurred to finance projects or purchase, repair, or replace assets which will have useful lives equal to or greater than the related debt. Issuance of revenue-supported debt is authorized by the Board, subject to a referendum process. Individual revenue bond issues are also authorized by the Board.

The annual debt service principal and interest payments are charged to the operating budget. However, debt is only issued to finance capital investment activities.

### OUTSTANDING DEBT

The Wastewater System's total outstanding debt is projected to be \$348.9 million as of March 31, 2025.

#### *Wastewater System Debt Outstanding*

| Debt Outstanding<br>Projected as of March 31, 2025 |               |               |                          |                               |         |
|--|---------------|---------------|--------------------------|-------------------------------|---------|
| Issue  | Date of Issue | Last Maturity | Issued<br>(\$ Thousands) | Outstanding<br>(\$ Thousands) |         |
| Long-Term Debt                                     |               |               |                          |                               |         |
| Revenue Bonds                                      |               |               |                          |                               |         |
| Series 2010B (Build America Bonds)                 | 10/20/2010    | 6/1/2040      | \$ 150,000               | \$                            | 150,000 |
| Series 2014A                                       | 8/28/2014     | 6/1/2030      | 82,150                   |                               | 29,100  |
| Series 2015A-1                                     | 3/3/2015      | 6/1/2037      | 54,805                   |                               | 54,805  |
| Series 2015A-2                                     | 3/3/2015      | 6/1/2038      | 13,565                   |                               | 13,565  |
| Series 2015B                                       | 3/3/2015      | 6/1/2037      | 2,795                    |                               | 1,255   |
| Series 2017A                                       | 6/14/2017     | 6/1/2045      | 69,420                   |                               | 43,100  |
| Series 2022A                                       | 6/16/2022     | 6/1/2045      | 18,140                   |                               | 14,820  |
| Series 2022B                                       | 6/16/2022     | 6/1/2037      | 17,345                   |                               | 17,345  |
| Series 2024A                                       | 3/12/2024     | 6/1/2054      | 24,950                   |                               | 24,950  |
| Total Revenue Bonds                                |               |               | 433,170                  |                               | 348,940 |
| % of Total Outstanding Debt                        |               |               |                          |                               | 100.0%  |
| Total Long-Term Debt                               |               |               | 433,170                  |                               | 348,940 |
| Total Outstanding Debt                             |               |               |                          |                               | 348,940 |

The District plans to issue \$40 million in revenue bonds in FY 2026 and \$35 million in revenue bonds in FY 2027.

## DEBT SERVICE

The Wastewater System's total outstanding debt will cost approximately \$174.2 million in interest payments, as detailed in the table below.

*Wastewater System Projected Debt Service on Current Debt*

| Debt Service on Current Outstanding Debt (\$Thousands) |                |                |                |
|--|----------------|----------------|----------------|
| As of March 31, 2025                                   |                |                |                |
| Fiscal Year  | Principal      | Interest       | Debt Service   |
| 2026   | 15,670         | 16,697         | 32,367         |
| 2027   | 14,030         | 15,917         | 29,947         |
| 2028   | 14,730         | 15,219         | 29,949         |
| 2029   | 15,465         | 14,486         | 29,951         |
| 2030   | 16,230         | 13,724         | 29,954         |
| 2031   | 17,030         | 12,920         | 29,950         |
| 2032   | 17,875         | 12,075         | 29,950         |
| 2033   | 18,760         | 11,192         | 29,952         |
| 2034   | 19,690         | 10,258         | 29,948         |
| 2035   | 20,670         | 9,281          | 29,951         |
| 2036   | 21,695         | 8,255          | 29,950         |
| 2037   | 22,770         | 7,178          | 29,948         |
| 2038   | 24,365         | 6,049          | 30,414         |
| 2039   | 26,250         | 4,793          | 31,043         |
| 2040   | 27,610         | 3,434          | 31,044         |
| 2041   | 4,220          | 2,005          | 6,225          |
| 2042   | 4,415          | 1,804          | 6,219          |
| 2043   | 4,635          | 1,593          | 6,228          |
| 2044   | 4,855          | 1,371          | 6,226          |
| 2045   | 5,090          | 1,139          | 6,229          |
| 2046   | 1,625          | 896            | 2,521          |
| 2047   | 1,705          | 814            | 2,519          |
| 2048   | 1,790          | 729            | 2,519          |
| 2049   | 1,880          | 640            | 2,520          |
| 2050   | 1,975          | 546            | 2,521          |
| 2051   | 2,075          | 447            | 2,522          |
| 2052   | 2,175          | 343            | 2,518          |
| 2053   | 2,285          | 234            | 2,519          |
| 2054   | 2,400          | 120            | 2,520          |
| <b>Total</b>   | <b>333,965</b> | <b>174,158</b> | <b>508,123</b> |

The debt service in the table is less than the budgeted debt service because the latter includes:

- Payments on new debt issues in FY 2026 and FY 2027; and
- Costs for debt service administration.

## DEBT RATINGS

Credit risk is the risk that the issuer of an investment, such as a revenue bond, will not fulfill its payment obligations to the holder of the investment. Credit ratings are assigned to bonds by Nationally Recognized Statistical Credit Rating Organizations based on published methodologies. The ratings reflect the organizations' opinions about the issuer's ability and willingness to meet its financial obligations on time and in full.

The Wastewater System's strong credit ratings provide tangible benefits to ratepayers in the form of reduced debt service cost. A strong credit rating provides better access to capital markets, lower interest rates, better terms on debt, and access to a greater variety of debt products. Prudent financial management policies have contributed to the Wastewater System's strong ratings shown in the table below.

*Wastewater System Debt Ratings*

| Wastewater System Debt Ratings |     |         |       |
|--------------------------------|-----|---------|-------|
| As of March 1, 2025            |     |         |       |
| Debt by Type                   | S&P | Moody's | Fitch |
| Fixed Rate Revenue Bonds       | AAA | Aa1     | AA+   |

Definitions of the District's fixed rate and long-term debt ratings are shown below.

### S&P

An obligation rated 'AAA' has the highest rating assigned by S&P Global Ratings. The obligor's capacity to meet its financial commitments on the obligation is extremely strong.

### Moody's

Obligations rated 'Aa' by Moody's are judged to be of high quality and are subject to very low credit risk. The modifier 1 indicates that the obligation ranks at the highest end of the 'Aa' rating category.

### Fitch

The 'AA' rating denotes expectations of very low default risk. The rating indicates very strong capacity for payment of financial commitments. This capacity is not significantly vulnerable to foreseeable events. The modifiers "+" or "-" may be appended to a rating to denote relative status within major rating categories.

## DEBT MANAGEMENT POLICY

The District is subject to legal debt limits prescribed in the Municipal Utility District (MUD) Act regarding general debt limits, revenue bond limits, and short-term borrowing limits.

The District's general debt indebtedness cannot exceed the ordinary annual income and revenue of the District without a two-thirds approval of the voters. However, revenue bonds are not included in general debt limits.

The District is authorized to issue revenue bonds with the approval of a resolution from the Board of Directors, subject to a 60-day referendum period. The resolution specifies the maximum principal amount of bonds that may be issued pursuant to the authorization. The Board of Directors also approves individual series of revenue bonds issued under the broader authorization.

The MUD Act authorizes the District to issue short-term indebtedness without an election of the voters. The amount of short-term borrowing cannot exceed the lesser of 1) the annual average total revenue of the three preceding years or 2) 25 percent of the District's total outstanding bonds. This provision is substantially the same as the District's internal policy discussed below.

The District has also established its own policy regarding debt management (Policy 4.27 – Debt Management). The purpose of the debt policy is to maintain a balance between current funding sources and debt financing over each five-year plan horizon in order to retain the District's financing flexibility and achieve the lowest cost of financing.

The District's debt management policy is to:

- Maintain an annual revenue bond debt service coverage ratio of at least 1.6 times;
- Limit debt-funded capital to no more than 65 percent of the total capital program over each five-year planning period; and
- Limit commercial paper/variable rate debt to 25 percent of outstanding long-term debt.

## DEBT SERVICE COVERAGE RATIO

The debt service coverage policy ensures that the District has sufficient annual operating revenues to pay its operating expenses and meet its debt service obligations on its revenue bonds and other parity debt. The revenue bond debt service coverage ratio is defined as the District's net operating revenue (current year's operating revenue less the current year's operating expenses) divided by the current year's debt service on all revenue bonds and other parity debt. Net revenues are reduced by any Rate Stabilization Fund deposits and increased by any withdrawals.

In FY 2026 and FY 2027, the projected debt coverage ratios are 2.00x and 2.22x, respectively.

## DEBT-FUNDED CAPITAL

The percentage of the capital program that is funded by debt over the five-year planning period is projected at 49.6 percent, which is below the financial policy maximum target of 65 percent. The debt percentage funding levels for FY 2026 and FY 2027 are shown in the table below.

| <i>Wastewater System Debt-Funded Capital</i>     |               |               |
|--|---------------|---------------|
| Projected Debt Funding of Capital (\$ Thousands) |               |               |
|  | FY 2026       | FY 2027       |
| <b>Expenses</b>                                  |               |               |
| Capital Cash Flow                                | 79,811        | 84,758        |
| Capital Support                                  | 3,100         | 3,100         |
| <b>Total Expenses</b>                            | <b>82,911</b> | <b>87,858</b> |
| <b>Funding Sources</b>                           |               |               |
| New Bond Proceeds                                | 40,000        | 35,000        |
| Other Sources                                    | 42,911        | 52,858        |
| <b>Total Sources</b>                             | <b>82,911</b> | <b>87,858</b> |
| <b>Debt Percentage of Capital Funding</b>        | <b>48.2%</b>  | <b>39.8%</b>  |

## Capital Improvement Program

### OVERVIEW

Like the Water System, the Wastewater System's Capital Improvement Program (CIP) communicates the District's planned infrastructure investments for the next 10 years by identifying and prioritizing capital needs. Developed biennially and incorporated into the District-wide budget, the CIP is the District's opportunity to address new and ongoing capital needs, organized by award purposes.

#### *Wastewater System CIP Award Purposes*

| CIP Award Purposes                  |
|-------------------------------------|
| Wastewater                          |
| Main Wastewater Treatment Plant     |
| Wastewater Remote Facilities        |
| Wastewater System-wide Improvements |
| Wastewater Contingency              |

### APPROPRIATION AND CASH FLOW OVERVIEW

There are two ways that the District considers the financial planning for the CIP: appropriations and cash flows.

- Capital appropriations are funds approved biennially by the Board to be spent on capital projects. While appropriations are approved biennially, their use may extend over multiple years. Appropriations are controlled at the Award level and vary from year-to-year depending upon the funding needs of the projected work and existing appropriations at the end of the prior year.
- Capital cash flows are a projection of the annual costs of each project over the planning horizon, on a year-by-year basis. Cash flows have typically been reported in the budget for five years, but in the current planning cycle, the District gave additional consideration to the full ten-year cash-flow projection in order to better understand long-term project needs. Staff will continue to work to broaden the planning and reporting horizon to increase transparency of long-term infrastructure needs.

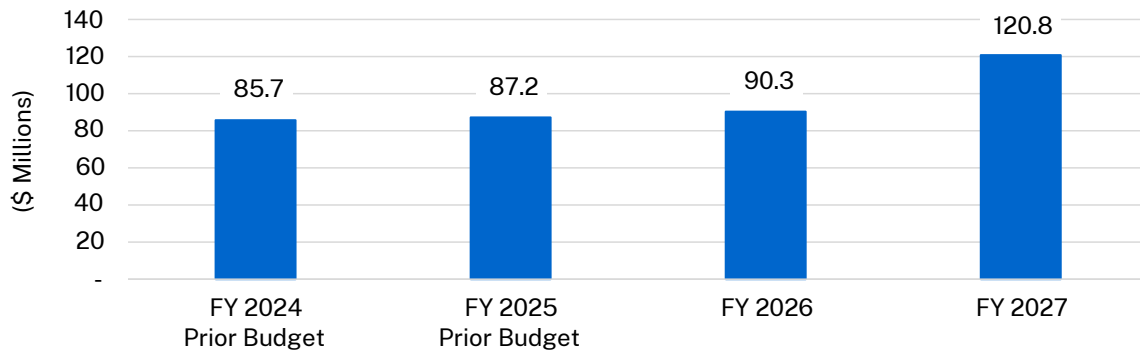
Each of these two concepts will be discussed in further detail throughout this section.

### APPROPRIATIONS

Supported by capital cash flow spending projections, adequate appropriations are necessary to complete the initiatives outlined in the CIP. Since appropriations are often spent over multiple years, the amounts appropriated for each fiscal year will vary depending upon project scope and timing, and any unspent appropriation a project may already have.

The Wastewater System's FY 2026 capital appropriation will increase by \$3.1 million or 4 percent from FY 2025. In FY 2027, appropriations will increase by \$30.5 million, or 34 percent, from FY 2026. The second year's increase aligns with the CIP's increasing size and scope, and is particularly elevated due to multi-year contracts that will be advertised for bid in the first year, while the work will be completed in the second or later. (Appropriations for multi-year contracts are appropriated at once to ensure funds are available when contracts are awarded.) Appropriations are summarized in the two charts below.



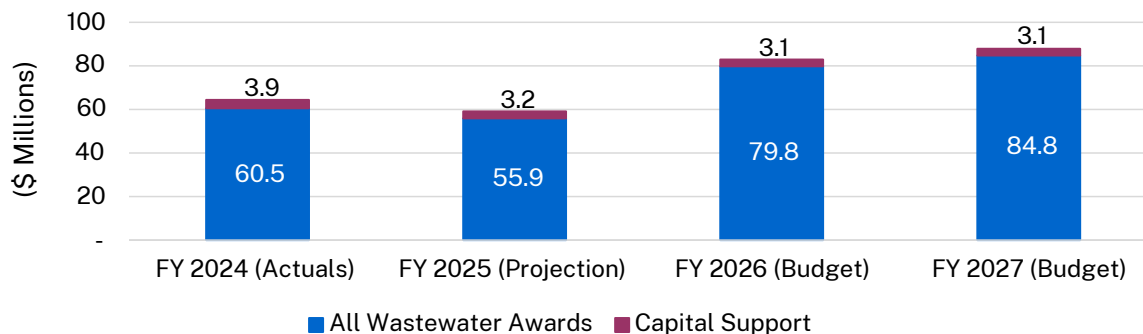
*Wastewater System Appropriations Current Budget Compared to Prior Budget by Fiscal Year*

## CASH FLOW

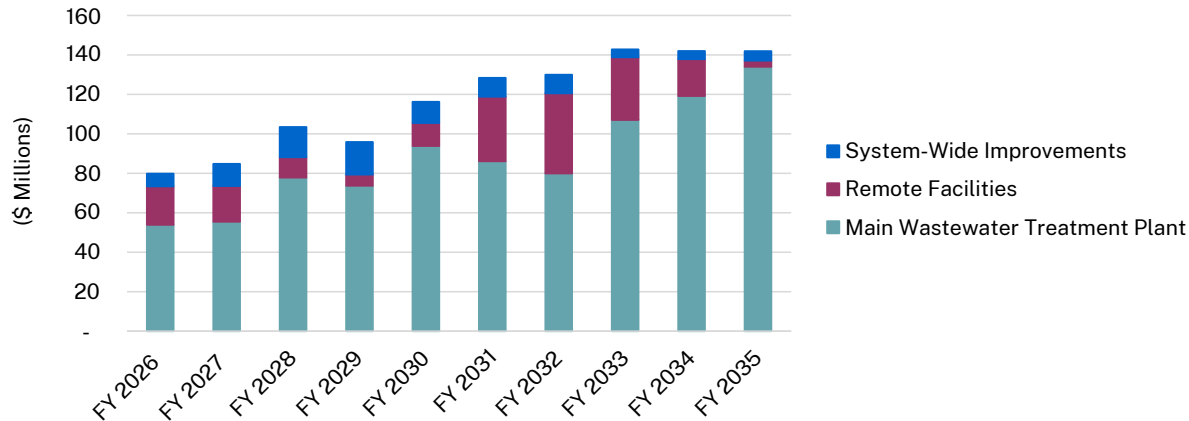
The FY 2026 - FY 2035 CIP is supported by capital cash flows that incorporate changes from previous CIP development processes. Cash flows were previously reported in the budget for five years, but this year there was an increased focus on the full 10-year projection of expenses. Forecasting out-years allows management and project managers to anticipate the funding needs for critical infrastructure initiatives. This is especially true as some key capital work will not be completed in the five-year horizon, so a longer-term scenario allows greater insight into needs. The longer-term outlook for rate increases also becomes clearer by extending the projection window.

The FY 2026 - FY 2035 CIP is \$1.2 billion, including Capital Support. The CIP is driven by the combination of increasing investments to replace and rehabilitate aging infrastructure, working towards meeting Board-set priorities, and increased labor and construction costs. Capital Support, the indirect costs associated with capital work, is in line with recent expenses at \$ \$3.1 million annually in the first two years.

The four-year summary of capital cash flows shows a 46 percent increase in cash flows from projected FY 2025 expenses to budgeted FY 2026 cash flow, followed by a 6 percent increase in FY 2027.

*Wastewater System Budget Cash Flows Four-Year Summary*

The majority of this CIP's planned spending will be for work at the Main Wastewater Treatment Plant, as shown in the next table. More detail on the work under that Award Purpose appears later in this section.

*Wastewater System FY 2026 – FY 2035 Cash Flows by Award Purpose (Excludes Capital Support)*

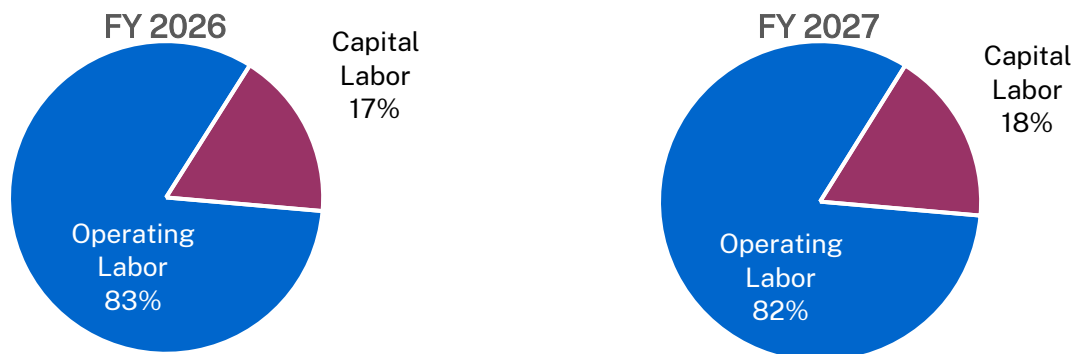
## CAPITAL LABOR

The capital labor component of the Wastewater System's CIP totals \$13.7 million in FY 2026, a decrease of \$0.3 million or 2.2 percent from FY 2025. This is due to a reduction in the amount of maintenance work that is expected to be charged to the capital budget. In FY 2027, capital labor is projected to increase to \$14.4 million, for an increase of \$0.7 million or 5.0 percent over FY 2026 due to expectations for salary and benefit cost increases. The following table shows the capital labor and benefits budget by department, though the Wastewater System has a single department, so all regular labor costs are budget in that department.

*Wastewater System Capital Labor Budget by Department*

| Capital Labor by Department (\$ Thousands) |                    |                   |                   |              |                   |             |
|--|--------------------|-------------------|-------------------|--------------|-------------------|-------------|
|  | FY 2024<br>Actuals | FY 2025<br>Budget | FY 2026<br>Budget | % Change     | FY 2027<br>Budget | % Change    |
| Wastewater                                 | 12,850             | 14,026            | 13,724            | -2.2%        | 14,410            | 5.0%        |
| <b>Total Department</b>                    | <b>12,850</b>      | <b>14,026</b>     | <b>13,724</b>     | <b>-2.2%</b> | <b>14,410</b>     | <b>5.0%</b> |

Relative to operating labor, capital labor represents 17.4 percent of the FY 2026 total labor budget, and 17.5 percent of the FY 2027 total labor budget. The following pie charts show the relative size of the capital and operating labor budgets.

*Wastewater System Operating and Capital Labor Split*

## CASH FLOWS AND APPROPRIATIONS BY AWARD PURPOSE

The following section outlines the CIP's capital cash flows and appropriations by award purpose and award. Select projects are discussed in detail to provide a sense of the work that is projected to take place in the following years.

## Main Wastewater Treatment Plant

This award purpose furthers the District's objectives to improve the infrastructure at the Main Wastewater Treatment Plant (MWWTP) to ensure reliable, high-quality service. Work focuses on rehabilitating the digesters, concrete structures, and treatment process facilities; upgrading the resource recovery receiving station; rehabilitating sections of the sewer interceptors; and identifying long-term solutions to managing nutrient levels. Of note:

- *Treatment.* Comprised of preliminary, primary, and secondary process, these projects include the development of a modernized oxygen production plant, and secondary reactors and clarifiers critical to secondary treatment, in addition to other improvements.
- *Nutrients.* With new regulations on the horizon in the coming years, the District is already conducting multiple evaluative studies to inform its approach to solutions, and this budget includes the finalization of planning and design, as well as estimated construction and implementation costs for a significant nutrient removal effort.

## Main Wastewater Treatment Plant - Cash Flows and Appropriations by Award Purpose

| FY 2026 - FY 2035 Cash Flows and Appropriation by Award Purpose (\$ Thousands) |                  |               |               |                |                |                |
|--|------------------|---------------|---------------|----------------|----------------|----------------|
| Award Name   | Type             | FY 2026       | FY 2027       | 2-Year Total   | 5-Year Total   | 10-Year Total  |
| Dewatering   | Cash Flow        | 2,740         | 4,944         | 7,684          | 88,761         | 114,934        |
| Dewatering   | Approp.          | -             | -             |                |                |                |
| Digesters  | Cash Flow        | 10,609        | 5,835         | 16,444         | 27,750         | 66,648         |
| Digesters  | Approp.          | 13,224        | 318           |                |                |                |
| Effluent Discharge   | Cash Flow        | -             | -             | -              | -              | 21,636         |
| Effluent Discharge   | Approp.          | -             | -             |                |                |                |
| Electricals and Controls   | Cash Flow        | 2,086         | 3,039         | 5,125          | 52,935         | 99,950         |
| Electricals and Controls   | Approp.          | 2,182         | 2,189         |                |                |                |
| Nutrients  | Cash Flow        | 1,030         | 265           | 1,295          | 1,295          | 225,628        |
| Nutrients  | Approp.          | -             | -             |                |                |                |
| Power Generation and Biogas  | Cash Flow        | 8,041         | 9,683         | 17,724         | 27,273         | 40,262         |
| Power Generation and Biogas  | Approp.          | 11,750        | 11,416        |                |                |                |
| Preliminary Treatment  | Cash Flow        | 12,529        | 13,966        | 26,495         | 53,800         | 89,457         |
| Preliminary Treatment  | Approp.          | 4,120         | 19,367        |                |                |                |
| Primary Treatment  | Cash Flow        | -             | -             | -              | -              | 672            |
| Primary Treatment  | Approp.          | -             | -             |                |                |                |
| Resource Recovery  | Cash Flow        | -             | -             | -              | 5,507          | 6,402          |
| Resource Recovery  | Approp.          | -             | -             |                |                |                |
| Secondary Treatment  | Cash Flow        | 13,319        | 14,564        | 27,883         | 51,826         | 141,560        |
| Secondary Treatment  | Approp.          | 29,133        | -             |                |                |                |
| Seismic Retrofit Maintenance Center  | Cash Flow        | -             | -             | -              | 26,151         | 32,569         |
| Seismic Retrofit Maintenance Center  | Approp.          | -             | -             |                |                |                |
| Utilities and Sitework   | Cash Flow        | 3,574         | 3,202         | 6,776          | 19,647         | 41,669         |
| Utilities and Sitework   | Approp.          | 4,203         | 693           |                |                |                |
| <b>Total</b>   | <b>Cash Flow</b> | <b>53,927</b> | <b>55,498</b> | <b>109,425</b> | <b>354,944</b> | <b>881,388</b> |
| <b>Total</b>   | <b>Approp.</b>   | <b>64,611</b> | <b>33,983</b> |                |                |                |

**Remote Facilities**

This award purpose includes two key initiatives:

- *Interceptors and Pump Stations.* Includes work to rehabilitate five gravity interceptors, as well as force mains and pump stations that convey wastewater from the satellite agencies to the MWWTP, and to improve access to these facilities for maintenance and repairs.
- *Wet Weather Facilities.* Includes conducting mandated work related to the Inflow and Infiltration Program and maintaining the Wet Weather Facilities (WWF) for reliable performance during wet weather events.

*Remote Facilities - Cash Flows and Appropriations by Award Purpose*

| FY 2026 - FY 2035 Cash Flows and Appropriation by Award Purpose (\$ Thousands) |                  |               |               |               |               |                |
|--|------------------|---------------|---------------|---------------|---------------|----------------|
| Award Name   | Type             | FY 2026       | FY 2027       | 2-Year Total  | 5-Year Total  | 10-Year Total  |
| Interceptors and Pump Stations   | Cash Flow        | 17,643        | 14,365        | 32,008        | 50,365        | 165,446        |
| Interceptors and Pump Stations   | Approp.          | 4,228         | 16,174        |               |               |                |
| Wet Weather Facilities   | Cash Flow        | 1,854         | 3,735         | 5,589         | 14,852        | 26,661         |
| Wet Weather Facilities   | Approp.          | 1,854         | 24,807        |               |               |                |
| <b>Total</b>   | <b>Cash Flow</b> | <b>19,497</b> | <b>18,099</b> | <b>37,597</b> | <b>65,217</b> | <b>192,107</b> |
| <b>Total</b>   | <b>Approp.</b>   | <b>6,082</b>  | <b>40,981</b> |               |               |                |

**System-Wide Improvements**

This award purpose includes work that is vital to wastewater conveyance and treatment, but is not limited to a single treatment process. Tasks include work on buildings that serve multiple treatment processes, the periodic replacement of capital equipment, applying protective coatings plant-wide, replacing hardware and software, and procuring additional vehicles. Two of the larger tasks in this project are the seismic retrofits of the Maintenance Building and the Operations Center, two buildings that are heavily used and were prioritized in the MWWTP seismic evaluation.

*System-Wide Improvements - Cash Flows and Appropriations by Award Purpose*

| FY 2026 - FY 2035 Cash Flows and Appropriation by Award Purpose (\$ Thousands) |                  |              |               |               |               |               |
|--|------------------|--------------|---------------|---------------|---------------|---------------|
| Award Name   | Type             | FY 2026      | FY 2027       | 2-Year Total  | 5-Year Total  | 10-Year Total |
| General Wastewater   | Cash Flow        | 6,387        | 11,161        | 17,548        | 59,870        | 91,411        |
| General Wastewater   | Approp.          | 8,542        | 34,240        |               |               |               |
| <b>Total</b>   | <b>Cash Flow</b> | <b>6,387</b> | <b>11,161</b> | <b>17,548</b> | <b>59,870</b> | <b>91,411</b> |
| <b>Total</b>   | <b>Approp.</b>   | <b>8,542</b> | <b>34,240</b> |               |               |               |

**Wastewater Contingency**

Contingency provides funding for unanticipated needs that may arise before the next budget cycle, such as replacement or repairs to facilities and equipment as a result of failures or safety deficiencies, and new projects or the acceleration of planned projects requiring funding before the next budget cycle.

*Wastewater Contingency - Cash Flows and Appropriations by Award Purpose*

| FY 2026 - FY 2035 Cash Flows and Appropriation by Award Purpose (\$ Thousands) |                  |              |              |              |              |               |
|--|------------------|--------------|--------------|--------------|--------------|---------------|
| Award Name   | Type             | FY 2026      | FY 2027      | 2-Year Total | 5-Year Total | 10-Year Total |
| Contingency - Wastewater   | Cash Flow        |              |              |              |              |               |
| Contingency - Wastewater   | Approp.          | 7,981        | 8,476        |              |              |               |
| <b>Total</b>   | <b>Cash Flow</b> |              |              |              |              |               |
| <b>Total</b>   | <b>Approp.</b>   | <b>7,981</b> | <b>8,476</b> |              |              |               |

## Ten-Year Financial Plan

### SUMMARY

#### Wastewater System 10-Year Financial Forecast

|                                | 10-Year Financial Plan (\$ Millions) |                       |                           |              |                                     |              |              |   |              |              |              |              |
|--------------------------------|--------------------------------------|-----------------------|---------------------------|--------------|-------------------------------------|--------------|--------------|---|--------------|--------------|--------------|--------------|
|                                | Actuals<br>FY 2024                   | Projection<br>FY 2025 | Budget<br>FY 2026 FY 2027 |              | Forecast<br>FY 2028 FY 2029 FY 2030 |              |              | Long-Term Projection<br>FY 2031 FY 2032 FY 2033 FY 2034 FY 2035 |              |              |              |              |
| <b>Beginning Balance</b>       | <b>105.5</b>                         | <b>113.7</b>          | <b>124.8</b>              | <b>120.5</b> | <b>121.4</b>                        | <b>126.5</b> | <b>133.6</b> | <b>134.6</b>  | <b>143.3</b> | <b>144.9</b> | <b>152.5</b> | <b>158.5</b> |
| Treatment Charges              | 92.5                                 | 100.0                 | 108.5                     | 117.7        | 127.1                               | 137.3        | 146.9        | 157.2   | 166.6        | 176.6        | 185.5        | 194.7        |
| Wet Weather Facilities Charges | 33.3                                 | 36.0                  | 39.0                      | 42.3         | 45.7                                | 49.4         | 52.8         | 56.5  | 59.9         | 63.5         | 66.7         | 70.0         |
| Resource Recovery              | 15.1                                 | 15.0                  | 11.0                      | 11.0         | 11.0                                | 11.0         | 11.0         | 11.0  | 11.0         | 11.0         | 11.0         | 11.0         |
| Property Taxes                 | 8.7                                  | 8.9                   | 9.1                       | 9.2          | 9.4                                 | 9.6          | 9.8          | 10.0  | 10.2         | 10.4         | 10.6         | 10.8         |
| Interest Income                | 3.3                                  | 3.5                   | 3.7                       | 3.0          | 2.5                                 | 1.9          | 2.0          | 2.1   | 2.2          | 2.2          | 2.3          | 2.4          |
| Laboratory Services            | 5.2                                  | 5.5                   | 5.7                       | 5.8          | 6.0                                 | 6.1          | 6.3          | 6.5   | 6.7          | 6.8          | 7.0          | 7.2          |
| Reimbursements                 | 2.1                                  | 2.0                   | 2.1                       | 2.1          | 2.2                                 | 2.2          | 2.3          | 2.4   | 2.4          | 2.5          | 2.6          | 2.6          |
| Permit Fees                    | 1.6                                  | 1.6                   | 1.7                       | 1.7          | 1.8                                 | 1.8          | 1.9          | 1.9   | 2.0          | 2.0          | 2.1          | 2.2          |
| All Other Revenue              | 6.8                                  | 6.4                   | 6.5                       | 6.6          | 6.8                                 | 6.9          | 7.0          | 7.1   | 7.2          | 7.4          | 7.5          | 7.6          |
| <b>Operating Revenues</b>      | <b>168.7</b>                         | <b>178.9</b>          | <b>187.2</b>              | <b>199.6</b> | <b>212.4</b>                        | <b>226.3</b> | <b>240.1</b> | <b>254.7</b>  | <b>268.3</b> | <b>282.5</b> | <b>295.3</b> | <b>308.7</b> |
| Operating Expenses             | 96.6                                 | 111.0                 | 118.9                     | 123.7        | 128.0                               | 132.5        | 137.1        | 141.9   | 146.9        | 152.0        | 157.4        | 162.9        |
| Debt Service                   | 31.5                                 | 32.8                  | 36.9                      | 36.8         | 38.8                                | 41.7         | 45.6         | 50.5  | 54.7         | 59.9         | 64.8         | 69.4         |
| Capital Expenses               | 64.4                                 | 59.1                  | 82.9                      | 87.9         | 106.6                               | 99.1         | 119.6        | 131.8   | 133.5        | 146.5        | 145.8        | 145.8        |
| <b>Total Expenses</b>          | <b>192.5</b>                         | <b>202.9</b>          | <b>238.8</b>              | <b>248.3</b> | <b>273.4</b>                        | <b>273.3</b> | <b>302.3</b> | <b>324.3</b>  | <b>335.1</b> | <b>358.4</b> | <b>367.9</b> | <b>378.0</b> |
| New Bond Proceeds              | 27.5                                 | 30.0                  | 40.0                      | 35.0         | 50.0                                | 45.0         | 60.0         | 75.0  | 65.0         | 80.0         | 75.0         | 70.0         |
| Capacity Charges               | 3.5                                  | 3.9                   | 3.0                       | 3.0          | 3.1                                 | 3.2          | 3.3          | 3.3   | 3.4          | 3.5          | 3.6          | 3.7          |
| Grants                         | -                                    | 0.2                   | 4.2                       | 11.6         | 13.0                                | 5.9          | -            | -   | -            | -            | -            | -            |
| Other Capital Revenue          | 0.9                                  | 1.0                   | -                         | -            | -                                   | -            | -            | -   | -            | -            | -            | -            |
| <b>Ending Balance</b>          | <b>113.7</b>                         | <b>124.8</b>          | <b>120.5</b>              | <b>121.4</b> | <b>126.5</b>                        | <b>133.6</b> | <b>134.6</b> | <b>143.3</b>  | <b>144.9</b> | <b>152.5</b> | <b>158.5</b> | <b>162.8</b> |
| Policy Reserves                | 58.4                                 | 62.1                  | 64.1                      | 65.4         | 66.5                                | 67.7         | 69.0         | 70.2  | 71.6         | 72.9         | 74.3         | 75.8         |
| Capital Reserves               | 55.2                                 | 62.7                  | 56.4                      | 56.0         | 60.0                                | 65.8         | 65.6         | 73.1  | 73.3         | 79.5         | 84.1         | 87.0         |

On average over the 10-year period, operating revenues are forecast to increase 5.7 percent per year to cover the increases in operating and capital expenses and maintain a minimum of 1.6 times coverage on revenue bond debt service. Forecasted operating expenses are expected to grow by 3.6 percent per year over the ten-year period, while debt service grows 7.5 percent per year.

For all 10 years, cash reserves exceed targets. Reserves in excess of those needed to meet financial reserve targets are available to pay for a significant portion of the capital program expenses with cash.

Capital cash flow spending, including capital support, is projected at \$1.2 billion over the ten-year period, including capital support expenses. Major projects during this period include upgrades and rehabilitation of the Main Wastewater Treatment Plant, major work to replace aging interceptors prone to failure, and significant work to support a long-term plan for nutrients.

The projected average percentage of capital funded from debt will be 49.7 percent over the ten-year period, which remains lower than the financial policy target maximum of 65 percent. In FY 2026 and FY 2027, the debt coverage ratio is projected at 2.00 and 2.22, respectively, and for all ten years the ratio exceeds the target coverage ratio of 1.60.

## TEN-YEAR PROJECTION OF REVENUE

The following table shows the key assumptions used to create the revenue forecast. The debt service coverage ratio is projected to exceed the policy target of 1.60 by over 20 percent every year.

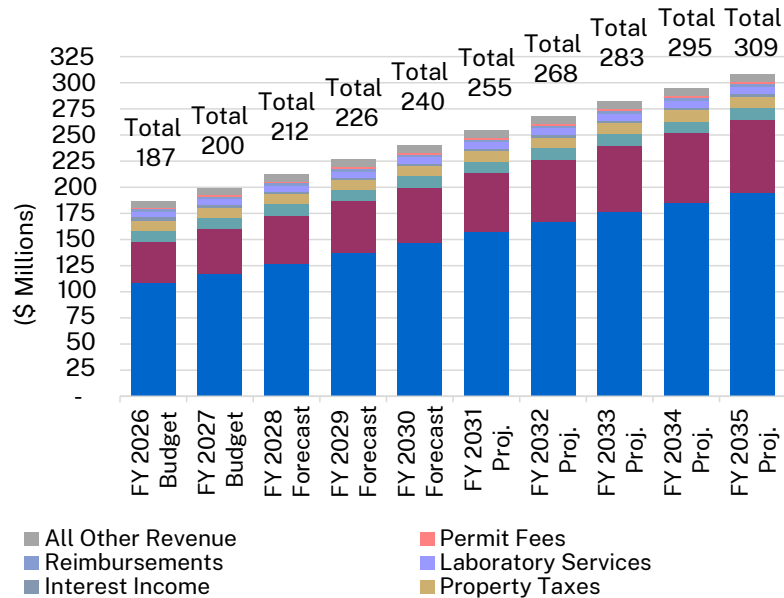
*Wastewater System Key Assumptions in 10-Year Forecast*

|  | Key Assumptions    |                    |          |          |          |          |          |                      |          |          |          |          |
|--|--------------------|--------------------|----------|----------|----------|----------|----------|----------------------|----------|----------|----------|----------|
|  | Actuals<br>FY 2024 | Current<br>FY 2025 | Budget   |          | Forecast |          |          | Long-Term Projection |          |          |          |          |
|  |                    |                    | FY 2026  | FY 2027  | FY 2028  | FY 2029  | FY 2030  | FY 2031              | FY 2032  | FY 2033  | FY 2034  | FY 2035  |
| <b>Average Rate Increase</b>                           | 8.50%              | 8.50%              | 8.50%    | 8.50%    | 8.00%    | 8.00%    | 7.00%    | 7.00%                | 6.00%    | 6.00%    | 5.00%    | 5.00%    |
| <b>Typical Monthly Single-Family Residential Bill*</b> | \$ 25.43           | \$ 27.56           | \$ 28.05 | \$ 30.40 | \$ 32.83 | \$ 35.46 | \$ 37.94 | \$ 40.60             | \$ 43.03 | \$ 45.61 | \$ 47.89 | \$ 50.29 |
| <b>Debt Service Coverage</b>                           | 2.50x              | 2.17x              | 2.00x    | 2.22x    | 2.26x    | 2.32x    | 2.33x    | 2.30x                | 2.28x    | 2.24x    | 2.18x    | 2.16x    |

\*The typical customer is based on median usage, which is 4 Units per month; 1 Unit is about 748 gallons.

The key factors driving the need for increased Wastewater System revenues are: investments in aging infrastructure and building a more resilient wastewater system; increasing labor and benefit costs to keep up with inflation; and inflation on non-labor costs, such as energy and chemicals.

Wastewater System 10-Year Revenue Projection

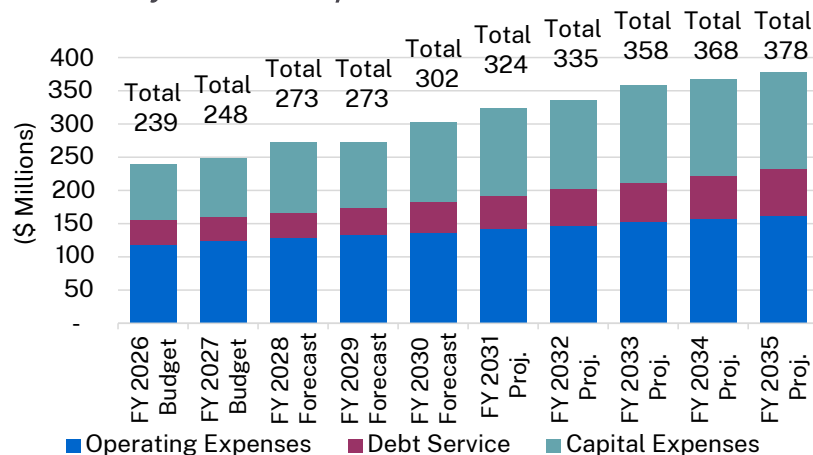


Projected annual operating revenues are expected to increase from \$187.2 million in FY 2026 to \$308.7 million by FY 2035, an increase of \$121.4 million, or 5.7 percent compounded growth per year. The increase in revenue over the ten-year period is to support a significantly larger capital program, increased debt service requirements to pay for debt issued to fund capital, and increased costs in operations and maintenance.

The major components of the increases in operating revenue over the ten-year period are revenue from Treatment Charges, which is projected to increase from \$108.5 million in FY 2026 to \$194.7 million in FY 2035 based on the wastewater rate increases shown on the prior page. Wet Weather Facilities Charges are projected to grow by \$31 million, and most other sources will grow by 2.75 percent or less per year.

## TEN-YEAR PROJECTION OF TOTAL EXPENSES

Wastewater System 10-Year Expense Forecast



Wastewater System expenses are projected to increase from \$238.1 million in FY 2026 to \$378.0 million in FY 2035, an increase of 5.3 percent per year. This is primarily driven by significant growth in the capital plan, which will increase by \$62 million over the ten-year period, or 6.5 percent per year. The large capital growth is driven by the need to significantly increase reinvestment in the aging Main Wastewater Treatment Plant.

Debt service is expected to grow by a compounded 7.5 percent per year, to \$694 million in FY 2035. Operating expenses are projected to have more modest growth of 3.6 percent per year, from \$118.9 million to \$162.9 million, reflecting typical inflationary trends in major costs, including labor.

This chart summarizes projected Wastewater System budget by category for the next ten years.



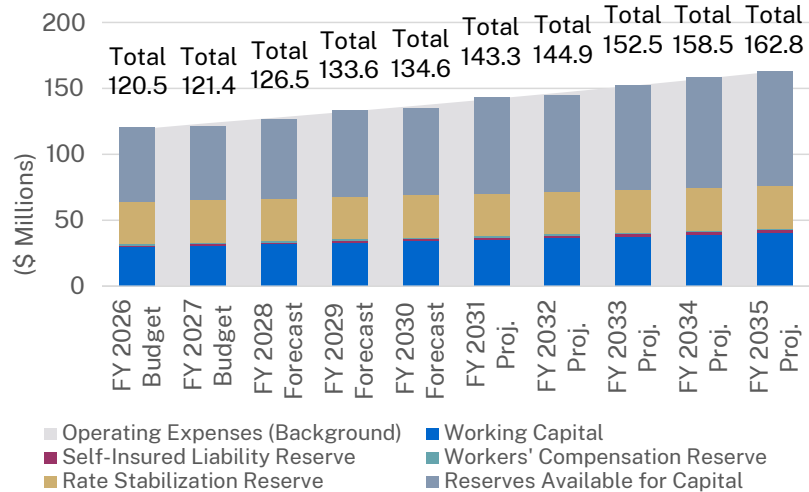
## TEN-YEAR PROJECTION OF RESERVES

The table below shows the changes to reserve components over the five-year period. Reserve balances meet or exceed the policy reserve levels for the entire period.

Wastewater System 10-Year Projection of Reserves

|                                       | Reserve Components (\$ Millions) |              |              |              |              |                      |              |              |              |              |
|---------------------------------------|----------------------------------|--------------|--------------|--------------|--------------|----------------------|--------------|--------------|--------------|--------------|
|                                       | Budget                           |              | Forecast     |              |              | Long-Term Projection |              |              |              |              |
|                                       | FY 2026                          | FY 2027      | FY 2028      | FY 2029      | FY 2030      | FY 2031              | FY 2032      | FY 2033      | FY 2034      | FY 2035      |
| <b>Total Reserves</b>                 | <b>120.5</b>                     | <b>121.4</b> | <b>126.5</b> | <b>133.6</b> | <b>134.6</b> | <b>143.3</b>         | <b>144.9</b> | <b>152.5</b> | <b>158.5</b> | <b>162.8</b> |
| <b>Policy Reserves</b>                |                                  |              |              |              |              |                      |              |              |              |              |
| Working Capital                       | 29.7                             | 30.9         | 32.0         | 33.1         | 34.3         | 35.5                 | 36.7         | 38.0         | 39.3         | 40.7         |
| Self-Insured Liability Reserve        | 1.3                              | 1.4          | 1.4          | 1.4          | 1.5          | 1.5                  | 1.6          | 1.6          | 1.7          | 1.7          |
| Workers' Compensation Reserve         | 1.1                              | 1.1          | 1.1          | 1.2          | 1.2          | 1.2                  | 1.3          | 1.3          | 1.3          | 1.4          |
| Rate Stabilization Reserve            | 32.0                             | 32.0         | 32.0         | 32.0         | 32.0         | 32.0                 | 32.0         | 32.0         | 32.0         | 32.0         |
| <b>Total Policy Reserves</b>          | <b>64.1</b>                      | <b>65.4</b>  | <b>66.5</b>  | <b>67.7</b>  | <b>69.0</b>  | <b>70.2</b>          | <b>71.6</b>  | <b>72.9</b>  | <b>74.3</b>  | <b>75.8</b>  |
| <b>Reserves Available for Capital</b> | <b>56.4</b>                      | <b>56.0</b>  | <b>60.0</b>  | <b>65.8</b>  | <b>65.6</b>  | <b>73.1</b>          | <b>73.3</b>  | <b>79.5</b>  | <b>84.1</b>  | <b>87.0</b>  |

Wastewater System Reserves Projection Compared to Operating Expenses



Reserves consist of:

- Working capital reserves equal to three months operating and maintenance expenses;
- Self-Insured Liability reserve based on the actuarial Self-Insured Retention (SIR) funding recommendation;
- Workers' Compensation reserve based on the actuarial SIR funding recommendation; and
- Rate stabilization reserve of a minimum of 20 percent of projected annual water volume revenues.

Over the 10-year forecast period, reserves will remain strong in comparison to operating expenses.

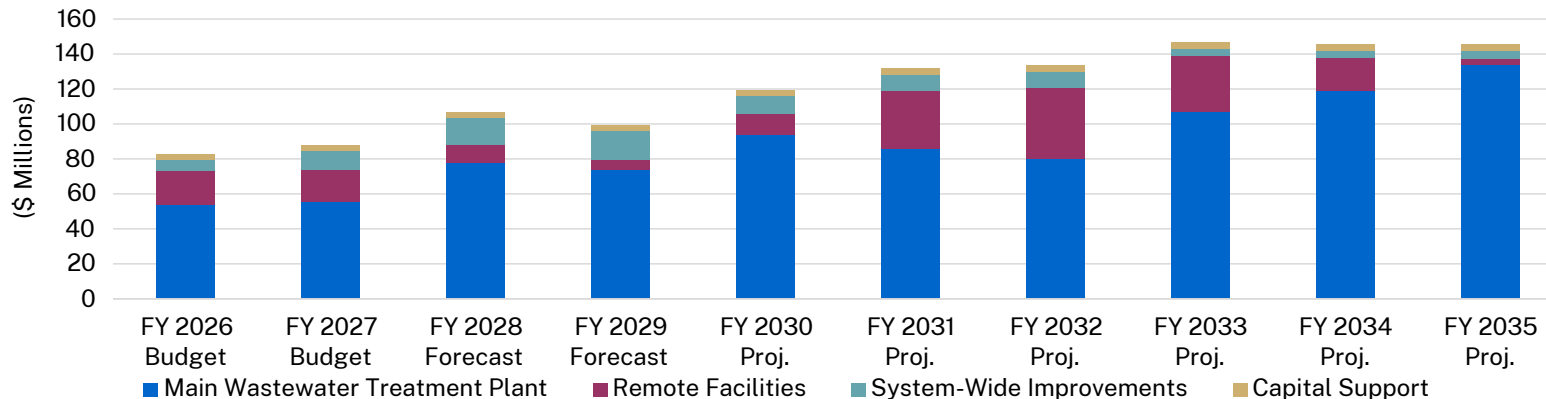


## CAPITAL INVESTMENTS AND FINANCING

The 10-year CIP outlines Wastewater System capital investment plans, the estimated cost of these investments, and the sources of funds. Appropriations reflect the amount that is authorized and budgeted over a multi-year period for each program. Cash flows are the amounts estimated to be spent on each program in a given year. The 10-year program for the Wastewater System includes \$1.2 billion in projected cash flow spending, inclusive of capital support expenses.

The focus of the CIP is the five-year period from FY 2026 to FY 2030. Capital needs have been estimated for a second five-year period from FY 2031 to FY 2035. Given the long-term nature of these capital improvement plans, by necessity they are preliminary estimates only and will be revised as studies are completed, priorities are redefined, and as new needs emerge. The following table shows the cash flow spending on capital improvements anticipated for the next 10 years.

Wastewater System 10-Year Capital Cash Flows by Award Purposes



Wastewater System 10-Year Capital Cash Flows by Award Purposes

| Award Purpose & Capital Support | Capital Expenses (\$ Millions) |             |              |             |              |                      |              |              |              |              |
|---------------------------------|--------------------------------|-------------|--------------|-------------|--------------|----------------------|--------------|--------------|--------------|--------------|
|                                 | Budget                         |             | Forecast     |             |              | Long-Term Projection |              |              |              |              |
|                                 | FY 2026                        | FY 2027     | FY 2028      | FY 2029     | FY 2030      | FY 2031              | FY 2032      | FY 2033      | FY 2034      | FY 2035      |
| Main Wastewater Treatment Plant | 53.9                           | 55.5        | 77.9         | 73.8        | 93.9         | 86.1                 | 80.0         | 107.1        | 119.2        | 134.0        |
| Remote Facilities               | 19.5                           | 18.1        | 10.3         | 5.6         | 11.7         | 32.7                 | 40.6         | 31.8         | 18.7         | 3.1          |
| System-Wide Improvements        | 6.4                            | 11.2        | 15.2         | 16.4        | 10.7         | 9.5                  | 9.3          | 3.9          | 4.0          | 4.7          |
| Capital Support                 | 3.1                            | 3.1         | 3.2          | 3.3         | 3.4          | 3.5                  | 3.6          | 3.7          | 3.8          | 3.9          |
| <b>Total Capital Expenses</b>   | <b>82.9</b>                    | <b>87.9</b> | <b>106.6</b> | <b>99.1</b> | <b>119.6</b> | <b>131.8</b>         | <b>133.5</b> | <b>146.5</b> | <b>145.8</b> | <b>145.8</b> |

Funding for the CIP is drawn from the proceeds of revenue bond issues along with current reserves and revenues. Over the five-year period, the percentage of capital funded from debt will average 49.7 percent, under the target maximum of 65 percent contained in the District's debt policy, and debt service will grow by 7.3 percent per year. Wastewater System total outstanding debt will increase by \$369 million during the period. Total debt outstanding at the end of the five-year period will total \$707.6 million.

Projected new bond issues, outstanding debt, debt service, and projected debt service coverage ratios are shown in the following table. Coverage will remain above the policy target of 1.60x.

*Wastewater System 10-Year Debt Projections*

|   | Outstanding Debt and Debt Service (\$ Millions) |              |              |              |              |                      |              |              |              |              |
|---|---|--------------|--------------|--------------|--------------|----------------------|--------------|--------------|--------------|--------------|
|   | Budget  |              | Forecast     |              |              | Long-Term Projection |              |              |              |              |
|   | FY 2026   | FY 2027      | FY 2028      | FY 2029      | FY 2030      | FY 2031              | FY 2032      | FY 2033      | FY 2034      | FY 2035      |
| <b>Beginning of Year Outstanding Debt</b> | <b>338.6</b>                                    | <b>361.8</b> | <b>381.1</b> | <b>413.9</b> | <b>440.1</b> | <b>479.6</b>         | <b>531.8</b> | <b>572.0</b> | <b>624.7</b> | <b>669.9</b> |
| Debt Retired                              | 16.7  | 15.7         | 17.2         | 18.8         | 20.6         | 22.7                 | 24.8         | 27.3         | 29.8         | 32.3         |
| New Bonds & Loans                         | 40.0  | 35.0         | 50.0         | 45.0         | 60.0         | 75.0                 | 65.0         | 80.0         | 75.0         | 70.0         |
| <b>Total Outstanding Debt</b>             | <b>361.8</b>                                    | <b>381.1</b> | <b>413.9</b> | <b>440.1</b> | <b>479.6</b> | <b>531.8</b>         | <b>572.0</b> | <b>624.7</b> | <b>669.9</b> | <b>707.6</b> |
| Debt Service, Existing Debt               | 33.1  | 33.3         | 35.5         | 38.8         | 41.7         | 45.6                 | 50.5         | 54.7         | 59.9         | 64.8         |
| Debt Service, New Debt                    | 2.6   | 2.3          | 3.3          | 2.9          | 3.9          | 4.9                  | 4.2          | 5.2          | 4.9          | 4.6          |
| <b>Total Debt Service</b>                 | <b>35.7</b>                                     | <b>35.5</b>  | <b>38.8</b>  | <b>41.7</b>  | <b>45.6</b>  | <b>50.5</b>          | <b>54.7</b>  | <b>59.9</b>  | <b>64.8</b>  | <b>69.4</b>  |
| <b>Debt Service Coverage</b>              | <b>2.00x</b>                                    | <b>2.22x</b> | <b>2.26x</b> | <b>2.32x</b> | <b>2.33x</b> | <b>2.30x</b>         | <b>2.28x</b> | <b>2.24x</b> | <b>2.18x</b> | <b>2.16x</b> |

# Appendix

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**EBMUD Fun Fact:**

EBMUD produced 151 million gallons of water per day in FY 2024 – enough to fill more than 2.4 billion drinking glasses, or enough for each of EBMUD’s 1.4 million customers to have about 1,700 glasses of water every day. Stay hydrated!



## Memberships

The following are proposed memberships for FY 2026 and FY 2027. Memberships must provide definite and clear benefits to the District. Examples include access to training resources at a reduced cost, which at times saves more in training costs than it costs to maintain the membership. Other memberships ensure the District remains a strong community partner in its service area and in the areas of its work. Senior management routinely review the list of approved memberships. The membership budget is approximately \$1 million in each fiscal year.

| District-Wide Memberships  |         |         |
|--|---------|---------|
| Membership Name / Organization                                       | FY 2026 | FY 2027 |
| Alameda County Bar Association                                       | 470     | 470     |
| Alameda County Green Business Association (Balance Foundation)       | 5,000   | 5,000   |
| Alliance for Water Efficiency (AWE)                                  | 6,500   | 6,800   |
| American Concrete Institute  | 300     | 300     |
| American Contract Compliance Association                             | 800     | 800     |
| American Fisheries Society   | 360     | 375     |
| American Geophysical Union   | 65      | 65      |
| American Institute of Certified Public Accountants                   | 360     | 370     |
| American Payroll Association   | 315     | 330     |
| American Society For Testing And Materials (ASTM) International      | 280     | 280     |
| American Society of Civil Engineers                                  | 5,006   | 5,016   |
| American Society of Heating, Refrigerating and AC Engineers (ASHRAE) | 290     | 290     |
| American Society of Safety Professionals                             | 235     | 240     |
| American Society of Testing And Materials                            | 115     | 121     |
| American Water Works Association                                     | 27,394  | 27,394  |
| American Welding Society   | 800     | 800     |
| Asian Business League of San Francisco                               | 150     | 150     |
| Association for Materials Protection and Performance (formerly NACE) | 396     | 396     |
| Association for Talent Development                                   | 1,495   | 1,495   |
| Association of California Water Agencies (ACWA)                      | 58,970  | 58,970  |
| Association of Metropolitan Water Agencies                           | 24,000  | 25,000  |
| Association of Records Managers and Administrators (AMRA)            | 260     | 260     |
| Association of State Dam Safety Officials                            | 820     | 820     |
| Association of Women in Water Energy and Environment (AWWEE)         | 405     | 405     |
| Association of Workplace Investigators                               | 900     | 900     |
| Bay Area Biosolids Coalition   | 24,500  | 24,500  |
| Bay Area Clean Water Agencies (BACWA)                                | 114,150 | 117,600 |

## Appendix: Memberships

|   |        |        |
|---|--------|--------|
| Bay Area Climate Adaptation Network                             | 3,700  | 4,000  |
| Bay Area Council  | 13,750 | 13,750 |
| BayGeo  | 124    | 128    |
| BAYWORK   | 20,500 | 20,500 |
| Bioenergy Association of CA                                     | 6,700  | 7,050  |
| CalChamber  | 1,229  | 1,300  |
| CalGovHR  | 400    | 400    |
| California Association of Public Information Official (CAPIO)   | 2,775  | 2,775  |
| California Association of Public Procurement Officials (CAPPO)  | 290    | 298    |
| California Association of Public Retirement Systems             | 1,800  | 1,800  |
| California Association of Sanitation Agencies (CASA)            | 22,600 | 23,300 |
| California Land Surveyors Association - State                   | 1,350  | 1,350  |
| California Landscape Contractors Association                    | 250    | 275    |
| California Municipal Treasurer's Association (CMTA)             | 210    | 220    |
| California Municipal Utilities Association                      | 24,010 | 24,010 |
| California Public Employees Labor Relations Association         | 3,945  | 3,945  |
| California Regional Common Ground Alliance (CARCGA)             | 100    | 100    |
| California Rural Water Association                              | 782    | 821    |
| California Society of Municipal Finance Officers (CSMFO)        | 424    | 441    |
| California Special Districts Association - Alameda County       | 100    | 100    |
| California Special Districts Association - Contra Costa Chapter | 150    | 150    |
| California Special Districts Association - Statewide            | 9,275  | 9,275  |
| California Urban Water Agencies (CUWA)                          | 65,000 | 65,000 |
| California Utilities Emergency Association                      | 3,200  | 3,200  |
| California Water & Environmental Association                    | 233    | 245    |
| California Water & Environmental Modeling Forum                 | 2,500  | 2,500  |
| California Water Efficiency Partnership (CALWEP)                | 24,200 | 25,400 |
| California Water Environment Association (CWEA)                 | 239    | 239    |
| California Women in Energy                                      | 85     | 85     |
| California Workers' Compensation Institute                      | 605    | 666    |
| Capitol Network   | 300    | 300    |
| Center for Western Weather and Water Extremes (CW3E)            | 10,000 | 10,000 |
| Central Valley Clean Water Association (CVCWA)                  | 2,315  | 2,431  |
| Central Valley Project Water Association                        | 3,000  | 3,000  |
| Certified Commercial Investment Member Institute (CCIM)         | 3,400  | 3,400  |

## Appendix: Memberships

|   |       |       |
|---|-------|-------|
| Certified Information Systems Auditor (CISA)              | 960   | 960   |
| Chamber of Commerce - Alameda                             | 1,500 | 1,500 |
| Chamber of Commerce - Albany                              | 250   | 250   |
| Chamber of Commerce - Amador County                       | 525   | 525   |
| Chamber of Commerce - American Indian                     | 750   | 750   |
| Chamber of Commerce - Bay Front (Pinole, Hercules, Rodeo) | 500   | 500   |
| Chamber of Commerce - Berkeley                            | 500   | 500   |
| Chamber of Commerce - Calaveras County                    | 535   | 535   |
| Chamber of Commerce - Castro Valley                       | 600   | 600   |
| Chamber of Commerce - Crockett                            | 300   | 300   |
| Chamber of Commerce - Danville                            | 360   | 360   |
| Chamber of Commerce - El Cerrito                          | 636   | 636   |
| Chamber of Commerce - El Sobrante                         | 200   | 200   |
| Chamber of Commerce - Greater Stockton                    | 500   | 500   |
| Chamber of Commerce - Lafayette                           | 430   | 430   |
| Chamber of Commerce - Lodi                                | 829   | 829   |
| Chamber of Commerce - Moraga                              | 200   | 200   |
| Chamber of Commerce - Oakland African-American            | 2,000 | 2,000 |
| Chamber of Commerce - Oakland Chinatown                   | 340   | 340   |
| Chamber of Commerce - Oakland Latino                      | 800   | 800   |
| Chamber of Commerce - Oakland Metropolitan                | 6,500 | 6,500 |
| Chamber of Commerce - Orinda                              | 240   | 240   |
| Chamber of Commerce - Pleasant Hill                       | 445   | 445   |
| Chamber of Commerce - Richmond                            | 550   | 550   |
| Chamber of Commerce - San Joaquin County Hispanic         | 800   | 800   |
| Chamber of Commerce - San Leandro                         | 400   | 400   |
| Chamber of Commerce - San Ramon                           | 575   | 575   |
| Chamber of Commerce - Vietnamese                          | 1,500 | 1,500 |
| Chamber of Commerce - Walnut Creek                        | 925   | 925   |
| Climate Registry  | 5,000 | 5,500 |
| Construction Management Association of America            | 1,800 | 1,800 |
| Construction Specifications Institute                     | 375   | 394   |
| Contra Costa County Green Business                        | 5,000 | 5,000 |
| Design Build Institute of America                         | 500   | 500   |
| Earthquake Engineering Research Institute                 | 320   | 330   |

## Appendix: Memberships

|   |        |        |
|---|--------|--------|
| East Bay Economic Development Alliance                                    | 1,500  | 1,500  |
| East Bay Leadership Council (formerly Contra Costa Council)               | 2,500  | 2,500  |
| East Bay Rental Housing Association                                       | 750    | 800    |
| Emeryville Commerce Connection  | 1,050  | 1,100  |
| Employee Assistance Professional Association                              | 65     | 65     |
| Golden Gate Business Association (GGBA)                                   | 350    | 350    |
| Government Alliance On Race and Equity (GARE)                             | 5,500  | 5,500  |
| Government Finance Officers Association                                   | 700    | 700    |
| Groundwater Resources   | 400    | 400    |
| Hills Emergency Forum   | 5,500  | 5,500  |
| Illuminating Engineering Society  | 213    | 220    |
| Institute of Electrical And Electronics Engineers (IEEE)                  | 1,537  | 1,557  |
| Institute of Governmental Advocates                                       | 200    | 200    |
| Institute of Internal Auditors  | 390    | 390    |
| International Association for HR Information Management (IHRIM)           | 200    | 200    |
| International Foundation of Employee Benefit Plans                        | 1,435  | 1,445  |
| International Information System Security Certification Consortium (ISC2) | 675    | 675    |
| International Institute of Municipal Clerks                               | 300    | 300    |
| International Partnering Institute  | 525    | 550    |
| International Right of Way Association (IRWA)                             | 1,100  | 1,100  |
| International Society of Automation                                       | 152    | 152    |
| Irrigation Association  | 830    | 850    |
| Isle Utilities - Technology Approval Group (TAG)                          | 20,000 | 20,000 |
| League of California Surveying Organizations                              | 150    | 150    |
| Municipal Equipment Maintenance Association (MEMA)                        | 300    | 309    |
| Municipal Information Systems Association of California (MISAC)           | 260    | 260    |
| National Association of Clean Water Agencies (NACWA)                      | 36,000 | 37,100 |
| National Association of Govtl Defined Contribution Administrators         | 600    | 600    |
| National Association of Local Government Auditors                         | 200    | 200    |
| National Association of Minority Contractors                              | 2,000  | 2,000  |
| National Association of Realtors  | 220    | 240    |
| National Environmental Laboratory Accreditation Conference (NELAC)        | 120    | 120    |
| National Fire Protection Association                                      | 600    | 610    |
| National Hydropower Association   | 25,589 | 26,868 |
| National Pension Education Association                                    | 850    | 850    |

## Appendix: Memberships

|   |         |         |
|---|---------|---------|
| North American Society of Trenchless Technology (NASTT)         | 670     | 670     |
| Northern California Backflow Prevention                         | 400     | 450     |
| Northern California Joint Pole Association                      | 870     | 870     |
| Northern California Pipe Users Group                            | 500     | 500     |
| Oracle Applications & Technology Users Group (OUTAG)            | 1,095   | 1,150   |
| Park Rangers Association of California (PRAC)                   | 200     | 200     |
| Pesticide Applicators Professional Association                  | 3,606   | 3,653   |
| Phylmar Regulatory Roundtable                                   | 8,750   | 9,000   |
| Project Management Institute Certification                      | 1,330   | 1,372   |
| Public Agency Risk Management Association                       | 330     | 363     |
| Public Sector HR Association                                    | 175     | 175     |
| Risk & Insurance Management Society                             | 836     | 920     |
| San Francisco Bay Hispanic Chamber of Commerce (SFBAYHCC)       | 300     | 300     |
| San Francisco Paralegal Association                             | 85      | 85      |
| Society for Human Resource Management                           | 4,228   | 4,228   |
| Society for Range Management                                    | 200     | 200     |
| State Bar of California   | 7,580   | 7,580   |
| Structural Engineers Association of Northern California         | 990     | 1,050   |
| The Wildlife Society  | 100     | 100     |
| Toastmasters  | 2,700   | 2,700   |
| Together Bay Area   | 5,000   | 5,000   |
| Underground Service Alert                                       | 3,000   | 3,000   |
| United States Society of Dams                                   | 1,620   | 1,620   |
| US Green Building Council (USGBC)                               | 750     | 800     |
| Water Customer Care Forum (WCCF)                                | 1,400   | 1,400   |
| Water Education Foundation                                      | 16,000  | 16,000  |
| Water Environment Federation                                    | 2,238   | 2,278   |
| Water Information Sharing and Analysis Center (Water ISAC)      | 8,100   | 8,100   |
| Water Research Foundation (WRF)                                 | 200,000 | 200,000 |
| WaterReuse Association  | 20,000  | 20,000  |
| Waterstart  | 45,000  | 45,000  |
| Western Regional Minority Supplier Development Council (WRMSDC) | 4,000   | 4,000   |
| Western Urban Water Coalition                                   | 40,000  | 40,000  |
| Women Construction Owners and Executives                        | 1,300   | 1,300   |
| Women's Business Enterprise Council (WBEC) Pacific              | 0       | 3,000   |

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## Sponsorships

The following are District-approved sponsorships for FY 2026 and FY 2027. The District sponsors community activities and organizations that support the District's mission and provide educational and outreach opportunities. Sponsorships include, but aren't limited to, booths or tables at trade shows, festivals, street fairs, community events, garden tours, and advertising in event programs. The sponsorship budget, which is routinely reviewed and adjusted throughout the fiscal year based on changing conditions, is \$268,965 in FY 2026 and \$269,465 in FY 2027. The total for all sponsorships listed below is slightly higher, as there is assumed savings included in the actual budget.

| District-Wide Sponsorships   |         |         |
|--|---------|---------|
| Organization / Event / Sponsorship   | FY 2026 | FY 2027 |
| 23rd Street Merchants Association - Richmond Cinco de Mayo Festival                                      | 1,000   | 1,000   |
| ACE Mentor San Francisco Bay Area, Inc.  | 2,500   | 2,500   |
| Alameda Art and Wine Festival - Downtown Alameda Business Association (Park Street Business Association) | 2,500   | 2,500   |
| Alameda County - Statewide Illegal Dumping Conference  | 2,500   | 2,500   |
| Alameda County Science and Engineering Fair  | 500     | 500     |
| Alameda Recreation and Parks - 4th of July Festival  | 2,500   | 2,500   |
| Alliance for Water Efficiency  | 5,000   | 5,000   |
| Amador County Fair   | 750     | 750     |
| Amador Flyfishers  | 500     | 500     |
| American Contract Compliance Association   | 1,500   | 1,500   |
| American Fisheries Society   | 1,000   | 1,000   |
| American Indian Chamber of Commerce  | 1,500   | 1,500   |
| American Society of Civil Engineers - Annual Infrastructure Symposium                                    | 1,500   | 1,500   |
| Asian Enterprise Magazine - Awards Gala  | 500     | 500     |
| Asian Health Services - Annual celebration   | 2,500   | 2,500   |
| Asian Health Services - CAP  | 1,000   | 1,000   |
| Asian, Inc.  | 1,000   | 1,000   |
| Bay Area Girls Club  | 1,000   | 1,000   |
| Bay Nature Institute   | 1,000   | 1,000   |
| Bayfront Chamber (Pinole, Hercules, Rodeo) - Bayfront Festival   | 2,500   | 2,500   |
| Berkeley Juneteenth Cultural Celebration - Juneteenth  | 2,000   | 2,000   |
| Black Joy Parade   | 6,000   | 6,000   |
| Blake Garden - UC Regents Berkeley   | 1,000   | 1,000   |
| CA Black Chamber   | 1,000   | 1,000   |
| CA Hispanic Chamber Conference - Annual Convention   | 3,000   | 3,000   |
| Calaveras County Fair  | 750     | 750     |



## Appendix: Sponsorships

|  |       |       |
|--|-------|-------|
| Calaveras County Water District - Scholarship Program                              | 2,000 | 2,000 |
| California Farm Bureau Federation  | 500   | 500   |
| California Native Plant Society  | 2,500 | 2,500 |
| California Water Data Consortium   | 5,000 | 5,000 |
| California Water Efficiency Partnership  | 6,000 | 6,000 |
| Castro Valley Chamber Fall Festival  | 1,500 | 1,500 |
| Chabot Los Positas Community College District - Friends of Chabot College          | 1,000 | 1,000 |
| Chinese for Affirmative Action   | 500   | 500   |
| City College of SF - SF Community College  | 1,000 | 1,000 |
| City of El Cerrito Recreation - 4th of July Festival                               | 2,500 | 2,500 |
| City of San Leandro - Cherry Festival  | 310   | 310   |
| City of San Ramon Parks and Community Services - San Ramon Art and Wind Festival   | 3,000 | 3,000 |
| Community Kitchens Inc   | 5,000 | 5,000 |
| Community Resources for Science - STEM Education and Outreach                      | 5,000 | 5,000 |
| Community Water Center - Annual Water Justice Leadership Awards                    | 1,000 | 1,000 |
| Construction Resource Center   | 2,000 | 2,000 |
| Contra Costa County Science & Engineering Fair                                     | 500   | 500   |
| Contract Costa County Community College District - Los Medanos College Foundation  | 1,000 | 1,000 |
| Crockett Chamber - Sugartown Festival and Street Faire                             | 350   | 350   |
| Cypress Mandela  | 2,500 | 2,500 |
| David Brower Center - Corporate Contribution                                       | 2,500 | 2,500 |
| Delta Fly Fishers, Inc   | 500   | 500   |
| Delta Stewardship Council - Bay Delta Biennial Conference                          | 0     | 2,500 |
| Dimond Improvement Association - Oktoberfest                                       | 2,500 | 2,500 |
| Disabled Veteran Business Alliance - Info Tech and Professional Services Expo      | 500   | 500   |
| Earth Day/Special Events (Various cities)  | 1,500 | 1,500 |
| Earth Island Institute (Clean Power, Healthy Communities) - Corporate Contribution | 1,000 | 1,000 |
| Earthteam  | 1,500 | 1,500 |
| East Bay Economic Development Alliance Foundation - Annual Innovation Awards       | 2,500 | 2,500 |
| Educational Community for Homeowners   | 600   | 600   |
| El Sobrante Chamber - Annual El Sobrante Stroll                                    | 305   | 305   |
| Engineers Without Borders  | 500   | 1,000 |
| Euniece Law - The Legacy Continues   | 1,000 | 1,000 |
| Foothill Conservancy - Annual Fundraiser   | 500   | 500   |



## Appendix: Sponsorships

|  |       |       |
|--|-------|-------|
| Friends of San Leandro Creek   | 2,000 | 2,000 |
| Friends of Sausal Creek - Native Plant Sale  | 2,000 | 2,000 |
| Friends of the Gardens at Lake Merritt   | 500   | 500   |
| Friends of the River   | 1,000 | 1,000 |
| Greater Richmond Interfaith Program (GRIP)   | 1,000 | 1,000 |
| Greater Stockton Chamber   | 500   | 500   |
| Greenbelt Alliance Hidden Heroes of the Greenbelt Awards                                 | 2,500 | 2,500 |
| Greywater Action   | 1,500 | 1,500 |
| Home2HeadWaters  | 2,000 | 2,000 |
| ihub San Joaquin H2O Hackathon   | 2,500 | 2,500 |
| Irrigation Association   | 500   | 500   |
| John Muir Land Trust   | 1,000 | 1,000 |
| Kid Scoop News   | 3,000 | 3,000 |
| La Clinica   | 1,000 | 1,000 |
| Lafayette Chamber Art & Wine Festival  | 4,100 | 4,100 |
| Laney College  | 500   | 500   |
| Lao Family Community Development   | 1,000 | 1,000 |
| Latino Times   | 1,000 | 1,000 |
| Lawrence Hall of Science   | 1,000 | 1,000 |
| League of Woman Voters of the Bay Area - Education Fund                                  | 1,500 | 1,500 |
| Lodi Chamber Crane Festival - Lodi Sandhill Crane Association                            | 500   | 500   |
| Lodi Stem Fair   | 1,500 | 1,500 |
| Minority Business Enterprise Magazine - Enterprise Publishing                            | 1,500 | 1,500 |
| Museum of Children's Art (MOCHA)   | 5,000 | 5,000 |
| National Association of Minority Contractors - National                                  | 1,500 | 1,500 |
| National Association of Women in Construction - SF Chapter                               | 500   | 500   |
| National Coalition of 100 Black Women - Oakland - Madam CJ Walker Luncheon & Empowerment | 1,000 | 1,000 |
| National Veteran Business Development Council  | 1,000 | 1,000 |
| Native American Health Center  | 1,000 | 1,000 |
| Oakland African American Chamber - Annual Business Awards                                | 3,000 | 3,000 |
| Oakland Asian Cultural Center - Annual Gala  | 2,500 | 2,500 |
| Oakland Chinatown Chamber - Streetfest   | 4,000 | 4,000 |
| Oakland Latino Chamber of Commerce   | 2,000 | 2,000 |
| Oakland Metropolitan Chamber - Annual Event  | 3,500 | 3,500 |
| Oakland Pride  | 5,000 | 5,000 |

## Appendix: Sponsorships

|  |       |       |
|--|-------|-------|
| Oakland Public Education Fund  | 1,000 | 1,000 |
| Oakland Vietnamese Chamber of Commerce                                     | 1,000 | 1,000 |
| Oakland Zoo  | 500   | 500   |
| Outdoor Afro Glamp Out Gala  | 3,000 | 3,000 |
| Peralta Colleges Foundation  | 2,500 | 2,500 |
| Planting Justice   | 2,000 | 2,000 |
| Pleasant Hill Recreation & Park District                                   | 1,000 | 1,000 |
| Pride and a Paycheck   | 500   | 500   |
| RCF Connects   | 1,000 | 1,000 |
| Renaissance Entrepreneurship Center  | 1,000 | 1,000 |
| ReScape California   | 2,500 | 2,500 |
| Richmond Build - City of Richmond  | 1,250 | 1,250 |
| Richmond Main Street Initiative - Spirit and Soul Festival                 | 1,000 | 1,000 |
| Richmond Police Activities League - NBA Nat'l Block Assoc - Juneteenth     | 1,000 | 1,000 |
| Rising Sun Energy Center   | 1,000 | 1,000 |
| Rose Foundation - New Voices are Rising Summer Program                     | 1,000 | 1,000 |
| Rosie the Riveter Trust  | 2,000 | 2,000 |
| Ruth Bancroft Garden   | 5,000 | 5,000 |
| RYSE Center  | 1,000 | 1,000 |
| Salmonid Restoration Federation Annual Conference                          | 1,000 | 1,000 |
| San Francisco Bay Area Hispanic Chamber                                    | 1,000 | 1,000 |
| San Francisco Bay Section, CA Water Environment Association (CWEA)         | 350   | 350   |
| San Francisco Baykeeper  | 1,500 | 1,500 |
| San Francisco Estuary Partnership/ABAG - State of Estuary Conference       | 2,500 | 0     |
| San Joaquin Ag Fest  | 500   | 500   |
| San Joaquin County Hispanic Chamber  | 2,000 | 2,000 |
| San Joaquin Delta College Foundation                                       | 1,000 | 1,000 |
| San Joaquin Farm Bureau  | 500   | 500   |
| Save the Bay   | 3,000 | 3,000 |
| Sierra Club of SF Bay Chapter Annual Awards Ceremony (David Brower Dinner) | 2,500 | 2,500 |
| Sierra Fund  | 500   | 500   |
| Sierra Nevada Alliance   | 500   | 500   |
| Social Good Fund's The East Oakland Collective                             | 3,000 | 3,000 |
| Solano Stroll  | 450   | 450   |
| Spiral Gardens Community Food Security Project                             | 2,000 | 2,000 |

## Appendix: Sponsorships

|   |       |       |
|---|-------|-------|
| Stewardship Through Education (Motherlode Land Trust)   | 3,000 | 3,000 |
| Sustainable Contra Costa Sustainability Awards  | 3,500 | 3,500 |
| Swords to Plowshare   | 5,000 | 5,000 |
| The Gardens at Heather Farms  | 1,000 | 1,000 |
| The Unity Council - CAP   | 1,000 | 1,000 |
| The Unity Council - Día de Los Muertos Festival (Spanish Speaking Unity Council of Alameda County, Inc) | 5,000 | 5,000 |
| Tradeswomen, Inc  | 1,500 | 1,500 |
| Training Institute for Leadership Enrichment (TILE) - Powerful Women of the Bay Awards Luncheon         | 2,000 | 2,000 |
| UC Berkeley - UC Regents Master Gardener Program of Alameda County                                      | 2,500 | 2,500 |
| UC Berkeley - UC Regents Master Gardener Program of Contra Costa County                                 | 2,500 | 2,500 |
| UC Botanical Garden   | 500   | 500   |
| United Seniors of Oakland & Alameda County - Healthy Living Festival                                    | 250   | 250   |
| Urban Tilth   | 2,000 | 2,000 |
| US Green Building Council   | 2,000 | 2,000 |
| Valley Springs Area Business Association  | 500   | 500   |
| Walnut Creek Oktoberfest  | 2,000 | 2,000 |
| Water Education for Latino Leaders  | 2,500 | 2,500 |
| Water Education Foundation  | 2,500 | 2,500 |
| Water for People (BAWWA)  | 1,000 | 1,000 |
| Water Research Foundation   | 2,000 | 2,000 |
| Watershed Project   | 1,000 | 1,000 |
| West Contra Costa Public Education Fund - Calculus Roundtable A-Z Program                               | 3,000 | 3,000 |
| Western Regional Minority Suppliers (WRMSDC)  | 3,000 | 3,000 |
| Women Construction Owners & Executives - National   | 1,000 | 1,000 |
| Women's Business Enterprise Council Pacific - Astra Society International                               | 2,500 | 2,500 |

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## Glossary

|                           |  |
|---------------------------|--|
| <b>AB</b>                 | Administration Building.   |
| <b>Accrual Basis</b>      | Accounting method that records income items when they are earned and records deductions when expenses are incurred.  |
| <b>ADM</b>                | Administration Department.   |
| <b>Adopted Budget</b>     | A balanced financial plan for a specific period of time authorized by the Board of Directors.  |
| <b>AFSCME</b>             | American Federation of State, County and Municipal Employees.  |
| <b>AMC</b>                | Adeline Maintenance Center.  |
| <b>Amended Budget</b>     | A budget that reflects budgetary transfers that occurred after adoption of the budget. The total amended budget amount does not exceed the Board approved appropriation.   |
| <b>Amortization</b>       | The process of incrementally charging the cost of an asset to expense over its expected period of use, which shifts the asset from the balance sheet to the income statement. Amortization is commonly used for the gradual write-down of the cost of intangible assets that have a specific useful life. Examples of intangible assets are patents, copyrights, and trademarks. |
| <b>Appointment Type</b>   | Indicates the character of a staff position. The following are the appointment types: Regular, Civil Service Exempt, Intermittent, Temporary, Part-Time, Limited-Term, and Temporary Construction.   |
| <b>Appropriation</b>      | Funds for expenditure in the operating and capital budget authorized by the Board of Directors for a specific purpose.   |
| <b>Authorized FTE</b>     | A full-time equivalent (FTE) approved by the Board of Directors.   |
| <b>AWWA</b>               | American Water Works Association.  |
| <b>Bargaining Unit</b>    | Employees represented by American Federation of State, County and Municipal Employees, Locals 444 and 2019; the International Federation of Professional and Technical Engineers, Local 21; and the International Union of Operating Engineers, Local 39.  |
| <b>Benefit Costs</b>      | The District's costs associated with employee compensation over and above salary and wages such as retirement, health care, Social Security, disability, and unemployment insurance.   |
| <b>Biennial Budget</b>    | A biennial budget contains two standalone annual budgets. The second year of the budget is reviewed and reaffirmed by the Board of Directors.  |
| <b>Board of Directors</b> | The seven public officials elected to represent the wards within the District service area. Also referred to as the "Board".   |

## Appendix: Glossary

|  |   |
|--|---|
| <b>Bonds</b>                           | A form of borrowing where bonds are sold to investors, and the proceeds are used to pay for capital expenditures. Debt service payments are made to repay the bond holders.   |
| <b>Budget</b>                          | A financial plan that outlines estimated revenues and expenditures for the year to provide customers with safe, reliable water and wastewater services.   |
| <b>Build America Bonds</b>             | A type of municipal bond created under the American Recovery and Reinvestment Act of 2009. Also referred to as “BABs”.  |
| <b>Capital Appropriation</b>           | Board approved funding for capital projects for which relatively accurate time estimates can be made. Unspent appropriations carry forward to the next fiscal year.   |
| <b>Capital Budget</b>                  | A financial plan for purchasing, constructing, or rehabilitating fixed assets such as equipment, facilities, and systems.   |
| <b>Capital Cash Flow</b>               | Cash disbursements for capital projects. The estimated capital cash flow is used to calculate the rates, and the amount and timing of borrowings to meet the projected expenditure needs for a given time period.   |
| <b>Capital Expenditures / Expenses</b> | Expenditures related to capital projects such as the purchase or construction of equipment, building structures, aqueducts and water/sewer pipelines that have a useful life greater than three years and a cost greater than \$5,000.  |
| <b>Capital Improvement Program</b>     | The Board approved set of capital projects that typically results in the construction of new capital facilities, or the modification or upgrade of existing facilities over a five-year period. Project costs include all expenditures to purchase, study, plan, design, construct, or repair/upgrade new or existing physical facilities. Also referred to as “CIP”. |
| <b>Capital Labor</b>                   | The portion of District labor costs supporting the capital improvement program.   |
| <b>Capital Steering Committees</b>     | Capital Steering Committees are responsible for the oversight and development of the biennial CIP recommendation to the General Manager. Also referred to as the “CSC” or “CSCs”.   |
| <b>Capital Support</b>                 | A method for allocating capital support function costs to a capital project. Costs are allocated using a rate applied to direct labor. Capital support in the operations budget will decrease operating expense by a like amount and reallocate the cost to the capital budget.   |
| <b>CCF</b>                             | One hundred cubic feet of water which equals 748 gallons or one unit.   |
| <b>CIP</b>                             | Capital Improvement Program.  |
| <b>Civil Service</b>                   | The status of an employee who occupies a full-time Regular or less-than-full-time Regular position and has completed probation in that classification.  |
| <b>Commercial Paper</b>                | Another form of financing for capital projects.   |
| <b>Consent Decree</b>                  | An agreement or settlement to resolve a dispute between two parties.  |

## Appendix: Glossary

|                                    |   |
|------------------------------------|---|
| <b>Contingency</b>                 | Funds budgeted each fiscal year to cover unanticipated needs which may arise before the next budget cycle. Starting in FY 2026, contingency also includes non-department expenses, such as claims and insurance-related expenses. |
| <b>Cost of Service Study</b>       | A study of providing water and wastewater services conducted by a third-party to allocate costs among customer classes based on usage characteristics in compliance with Proposition 218 requirements and industry standards.     |
| <b>CSC or CSCs</b>                 | See Capital Steering Committees.  |
| <b>CSMFO</b>                       | California Society of Municipal Finance Officers.   |
| <b>CUS</b>                         | Customer and Community Services Department.   |
| <b>Customer Information System</b> | The District's system for billing customers, collecting revenue, and recording account information.   |
| <b>Debt Service</b>                | Expenditures for interest and principal repayment on bonds or other debt.   |
| <b>Debt Service Coverage</b>       | The ratio of net revenues to debt service requirements, calculated in accordance with the District's bond documents. The District's policy is to maintain a debt coverage ratio of at least 1.6.                                  |
| <b>Debt-Funded Capital</b>         | Expenditures for capital projects which are funded by bonds, loans, or other debt.  |
| <b>Department</b>                  | A major organizational unit with overall managerial responsibility for functional programs of the District.   |
| <b>Depreciation</b>                | An accounting method of allocating the cost of an asset over the useful life of the asset.  |
| <b>DERWA</b>                       | Dublin San Ramon Services District, East Bay Municipal Utility District, Recycled Water Authority, a joint program to supply recycled water to portions of San Ramon, Danville, Blackhawk, and surrounding areas.                 |
| <b>Distribution System</b>         | Water treatment plants, storage reservoirs, pumping plants, pipelines, and appurtenances that treat and transmit water to customers.  |
| <b>District</b>                    | East Bay Municipal Utility District.  |
| <b>Division</b>                    | A major organizational unit of a Department. Most departments have several divisions, each providing different services.  |
| <b>Drought</b>                     | A decrease in the total water system storage at District reservoirs over an extended period of time which results in a water shortage for meeting customers' demand.  |
| <b>DSOD</b>                        | The California Department of Water Resources Division of Safety of Dams.  |
| <b>East Bay</b>                    | Communities located in Alameda and Contra Costa counties on the east side of the San Francisco Bay.   |

## Appendix: Glossary

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|  |   |
|--|---|
| <b>EBMUD</b>                             | East Bay Municipal Utility District. A publicly owned utility formed in 1923 under the Municipal Utility District Act to provide water service, and in 1944 wastewater service in portions of Alameda and Contra Costa Counties. Also referred to as the “District”.  |
| <b>EBRWP</b>                             | East Bayshore Recycled Water Project.   |
| <b>EEO</b>                               | Equal Employment Opportunity.   |
| <b>Encumbrance</b>                       | The obligated but unspent portion of a contingent liability established through a purchase order. The budget recognizes an encumbrance as an obligation.  |
| <b>ENG</b>                               | Engineering and Construction Department.  |
| <b>Enterprise Fund</b>                   | A type of proprietary fund in which a user charge, rather than taxes, is charged to external users for goods or services, and costs are recovered.  |
| <b>Expenditure</b>                       | The payment of an obligation.   |
| <b>Expenditure Category</b>              | There are three types of operating expenditure categories: labor, contracts, and all other costs or operation/maintenance.  |
| <b>FERC</b>                              | Federal Energy Regulatory Commission.   |
| <b>Fiduciary Fund</b>                    | A fund in which assets are held by a governmental unit in a trustee capacity or as an agent for individuals, private organizations, and/or other governmental units. EBMUD has four types of fiduciary funds: Pension (and other employee benefit), Investment, Private-Purpose and Agency.                                   |
| <b>FIN</b>                               | Finance Department.   |
| <b>Fiscal Year</b>                       | The 12-month period that begins July 1 and ends June 30 of the following calendar year. Also referred to as “FY”.   |
| <b>FM&amp;O</b>                          | Fully-Maintained and Operated.  |
| <b>FOG</b>                               | Fats, oils, and grease.   |
| <b>Freeport Regional Water Authority</b> | A joint project with the Sacramento County Water Agency to secure a supplemental dry-year water supply. (FRWA)  |
| <b>FTE</b>                               | See Full-Time Equivalent.   |
| <b>Full-Time Equivalent</b>              | Ratio of the number of hours an employee is paid compared to the number of working hours. An employee who works full-time (2,080 hours per year) counts as one Full-Time Equivalent. Also referred to as “FTE”.   |
| <b>Fund</b>                              | A fiscal entity with a set of accounts recording financial resources, together with all related liabilities, which are segregated for the purpose of carrying on specific activities in accordance with special regulations or restrictions. The primary District funds are the Water System Fund and Wastewater System Fund. |



## Appendix: Glossary

|                                   |   |
|-----------------------------------|---|
| <b>Fund Balance</b>               | The net position of governmental funds calculated in accordance with the generally accepted accounting principles and used in financial reporting.  |
| <b>Funded Position</b>            | Authorized position that the Board of Directors has appropriated funding for a fiscal year.   |
| <b>FY</b>                         | See Fiscal Year.  |
| <b>GAAP</b>                       | Generally Accepted Accounting Principles.   |
| <b>GASB</b>                       | Governmental Accounting Standards Board.  |
| <b>General Manager</b>            | The chief executive officer of the District hired by the Board of Directors. Also referred to as “GM”.  |
| <b>GFOA</b>                       | Government Finance Officers Association.  |
| <b>GM</b>                         | See General Manager.  |
| <b>GPD</b>                        | Gallons Per Day.  |
| <b>HRD</b>                        | Human Resources Department.   |
| <b>HRIS</b>                       | Human Resources Information System.   |
| <b>Infrastructure</b>             | The tangible physical components that ensure delivery of reliable, high quality water and wastewater service such as reservoirs, pumping plants, pipelines, and anaerobic digesters.                |
| <b>INT</b>                        | See Intermittent.   |
| <b>Intermittent</b>               | Intermittent employees work less than full-time but work more than part-time, typically 32 hours per week or more than 1,040 aggregate hours per payroll year. Also referred to as “INT”.           |
| <b>Intradistrict</b>              | Certain internal service accounts such as vehicle expenses are included in balance sheets to assure that internal expenses are not counted twice within the operations budget.                      |
| <b>ISD</b>                        | Information Systems Department.   |
| <b>JSA</b>                        | Joint Settlement Agreement.   |
| <b>Key Performance Indicators</b> | Indicators with specific targets that measure how well the District is progressing in achieving its goals under the Strategic Plan. Also referred to as “KPI”.                                      |
| <b>KPI</b>                        | See Key Performance Indicators.   |
| <b>Limited-Term</b>               | Positions of a limited duration (maximum of four years) intended to augment regular District staff to accomplish extra work or other operational programs and activities. Also referred to as “LT”. |
| <b>LT</b>                         | See Limited-Term.   |

## Appendix: Glossary

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|                                 |   |
|---------------------------------|---|
| <b>MCD</b>                      | Maintenance and Construction Department.  |
| <b>MG</b>                       | Million Gallons.  |
| <b>MGD</b>                      | Million Gallons per Day. (One MGD = 3.07 acre feet which is the volume of water required to cover one acre of land to a depth of one foot).   |
| <b>Modified Cash Flow Basis</b> | Income and expense accounting method that records revenue when cash is received, and records expenses when cash is paid.  |
| <b>MUD Act</b>                  | Municipal Utility District Act was passed by the California Legislature in 1921; codified in the Public Utilities Code of the State of California, Ch. 764, Stats. 1951 and thereafter amended. |
| <b>MWWTP</b>                    | Main Wastewater Treatment Plant.  |
| <b>NOE</b>                      | Notice of Exemption.  |
| <b>NRD</b>                      | Natural Resources Department.   |
| <b>NRP</b>                      | Non-represented.  |
| <b>OGC</b>                      | Office of the General Counsel.  |
| <b>OGM</b>                      | Office of the General Manager.  |
| <b>Operating Budget</b>         | A financial plan to fund ongoing operations costs incurred to operate the District; excludes the building of capital assets which are included in the capital budget.                           |
| <b>Operating Labor</b>          | The portion of the District's labor costs supporting the day-to-day operations.   |
| <b>Organization</b>             | A group of staff organized into one unit or section working under a division or department. This is the lowest level at which operating budgets are developed.                                  |
| <b>OSD</b>                      | Operations and Maintenance Support Department.  |
| <b>Part-Time</b>                | Part-time employees are restricted to working no more than 832 hours per year, and do not have civil service status.  |
| <b>Pay-As-You-Go</b>            | Capital financing strategy to pay-as-you-go by cash funding capital projects with current and accumulated revenues rather than borrowing funds that will be repaid with future revenues.        |
| <b>PEPRA</b>                    | California Public Employees' Pension Reform Act.  |
| <b>PGS</b>                      | Power Generation Station.   |
| <b>PP</b>                       | Pumping Plant.  |
| <b>Proposed Budget</b>          | The recommended balanced financial plan for a specific period of time submitted for consideration to the Board of Directors prior to the start of the Proposition 218 notification process.     |

## Appendix: Glossary

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|                         |   |
|-------------------------|---|
| <b>Proposition 218</b>  | Passed by California voters in 1996 gave taxpayers the right to vote on all local taxes and requires taxpayer approval of property related assessments and fees.  |
| <b>Proprietary Fund</b> | Proprietary funds are used to account for a government's ongoing activities that are similar to businesses found in the private sector. These funds are considered self-supporting in that the services rendered by them are generally financed through user charges or on a cost reimbursement basis. There are two types of EBMUD proprietary funds: Enterprise and Internal Service. |
| <b>PT</b>               | See Part-Time.  |
| <b>PZ</b>               | Pressure Zone.  |
| <b>PZI</b>              | Pressure Zone Improvements.   |
| <b>RARE</b>             | Richmond Advanced Recycled Expansion project.   |
| <b>Rates</b>            | Charges for services to District customers that cover the costs of such services while allowing the District to remain revenue neutral.   |
| <b>RCS</b>              | Regulator/Rate Control Station.   |
| <b>REG</b>              | See Regular.  |
| <b>Regular</b>          | A full-time civil service position.   |
| <b>Reserves</b>         | Reserves include cash, operating and policy reserves. Reserves are available for self-insurance claims, unplanned revenue changes, working capital, worker's compensation, and unanticipated contingencies.   |
| <b>Revenue</b>          | Monies the District receives from rates and charges, property taxes, sale of energy, and other sources. Revenues are used to pay expenditures and fund reserves.  |
| <b>SCC</b>              | See System Capacity Charges.  |
| <b>SD-1</b>             | Special District No. 1. Created in 1944, responsible for the treatment and disposal of all domestic, commercial, and industrial wastewater from the cities of Alameda, Albany, Berkeley, Emeryville, Oakland, Piedmont, and the Stege Sanitary District (City of El Cerrito, Richmond annex and the Kensington area).   |
| <b>SEP</b>              | Special Employment Program.   |
| <b>SIR</b>              | Self-Insured Retention.   |
| <b>SMT</b>              | Senior Management Team.   |
| <b>Staffing</b>         | The number and character of positions that have been authorized by the Board of Directors and have been determined necessary to carry out District functions.   |

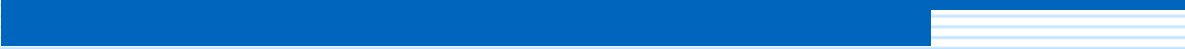
## Appendix: Glossary

|   |  |
|---|--|
| <b>Step Increases</b>                                 | Employee salary increases based on progression along a salary market range.  |
| <b>Strategic Plan</b>                                 | A document that provides a blueprint for how the District will respond to future challenges and changing priorities. It outlines specific goals, strategies, and objectives to guide the District to where it wants to be and establishes criteria to measure progress.                              |
| <b>SWRCB</b>  | State Water Resources Control Board.   |
| <b>System Capacity Charges</b>                        | Charges paid at the time of new connections to the water system to compensate the District for construction of capital facilities that provide water service, such as reservoirs, transmission facilities, treatment facilities, and treated water storage facilities. Also referred to as “SCC”.    |
| <b>TC</b>   | See Temporary Construction.  |
| <b>TEMP</b>   | See Temporary.   |
| <b>Temporary</b>                                      | Positions limited to six-month duration and do not have civil service status.  |
| <b>Temporary Construction</b>                         | Positions of limited and specified duration typically associated with a specific capital project. Temporary Construction positions do not have civil service status. Also referred to as “TC”.   |
| <b>Uniform System of Accounts for Water Utilities</b> | Guidelines established for the financial reporting of accounts, account structure and definitions, used to track revenue, expenses and asset and liability balances. The District uses the Uniform System of Accounts for Water Utilities established by the California Public Utilities Commission. |
| <b>USL</b>  | Upper San Leandro.   |
| <b>Wastewater Capacity Charges</b>                    | Charges paid at the time of new connections to the wastewater system to compensate the District for capital facilities that provide wastewater treatment, such as interceptors, primary and secondary treatment facilities, and wet weather treatment plants.  |
| <b>WOD</b>  | Water Operations Department.   |
| <b>WRD</b>  | Water Resources Department.  |
| <b>WRP</b>  | Water Recycling Program.   |
| <b>WSMP</b>   | The Water Supply Management Program is a plan for ensuring a reliable high quality water supply for the future that includes pursuing supplemental supplies, water conservation, and recycled water.   |
| <b>WTP</b>  | Water Treatment Plant.   |
| <b>WWF</b>  | Wet Weather Facilities.  |

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# **Proposed Biennial Budget**

*Fiscal Years 2026 & 2027*



## **Volume 2:** *Capital Award Summaries*

*East Bay Municipal Utility District  
Oakland, California*

# **East Bay Municipal Utility District Biennial Budget Fiscal Years 2026 & 2027**

**Volume 1:      Water & Wastewater Systems  
Operating and Capital**

**Volume 2:      Capital Award Summaries**

**Presented to the Board of Directors  
March 25, 2025**

**EBMUD Fact:**

The Claremont Tunnel, which carries drinking water to more than 800,000 EBMUD customers, underwent a major upgrade in the mid-2000s to protect it from earthquakes.



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## Overview of Volume 2

### About Capital Award Summaries

This volume contains a summary for each Award that has work planned in Fiscal Year 2026 (FY 2026) through Fiscal Year 2035 (FY 2035), which is the 10-year horizon for the District's published Capital Improvement Program (CIP). Throughout this book, Award and Project may be used interchangeably, though internally, Projects are components or subdivisions of Awards.

#### Award Summaries

The award summaries are presented in alphabetical order, first by Award Purpose and then by Award Name. The primary information provided is:

- **Award Purpose:** Groups Awards together, primarily as an organizational tool, often around major asset classes or key strategies. Examples include Pipelines - Distribution System, Raw Water System, and Sustainable Energy.
- **Award Number:** Supports public and internal reference, as the Award Number is part of Board documents, including when capital contracts are approved.
- **Award Name:** Provides the name of the Award, typically without abbreviations or initialisms.
- **Lead Department:** Indicates which Department is primarily responsible for the project.
- **Appropriations:** Amount of expenditure requested for Board approval in both FY 2026 and FY 2027.
- **Funding Sources:** Funding is drawn from multiple sources, though Revenue Funded is the single largest source. More information is provided on the next page.
- **Cash Flow by Project:** Planned direct expenses each year, including both District labor and benefit costs that directly support the Award, as well as payments to external vendors for materials, supplies or services.

### ABOUT THE TABLE OF CONTENTS

Below is a visual guide to reading the Table of Contents. Also note that at the end of each system's section of this volume, there are two indexes – one for Awards sorted by award number, and another for Awards sorted by award name.

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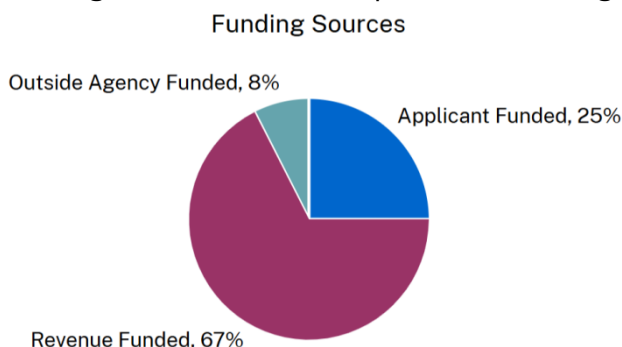
## Appropriations and Cash Flow

There are two ways that the District considers the finances for the CIP:

- Capital appropriations are funds approved biennially by the Board to be spent on capital projects. While appropriations are approved biennially, their use may extend over multiple years. Appropriations are controlled at the Award level and vary from year-to-year depending upon the funding needs of the projected work and existing appropriations at the end of the prior year. Transfers of appropriations are reported to the Board monthly.
- Capital cash flows are a projection of the annual costs of each project over the planning horizon, on a year-by-year basis. Cash flows have typically been reported in the budget for five years, but in the current planning cycle, the District began more seriously considering the full 10-year cash-flow projection in order to better understand long-term project needs. Staff will continue to work to broaden the planning and reporting horizon to increase transparency of long-term infrastructure needs.

## Funding Sources

The CIP is funded primarily through revenue (after paying for operating expenses and debt service) and the issuance of revenue bonds. However, there are certain other sources that provide funding to capital projects. The pages throughout this book show a pie chart of funding sources, like the below.



Funding Sources include:

- **Revenue Funded\*:** Funded either through cash or eventually through the issuance of bonds, this provides the majority of funding for the CIPs for both the Water and Wastewater System.
- **Applicant or Outside Agency Funded:** These two categories include work funded by applicants, i.e. businesses, individuals, and public authorities seeking to connect to or upgrade their connection to the Water or Wastewater System, and outside agencies,
- **VRF Funded:** Some projects are funded using the Vehicle Replacement Fund (VRF), which is funded internally using charges for vehicles for each hour they are operated. This mechanism ensures both capital and operating projects are charged for the cost of maintenance and replacement of vehicles, as well as related necessary infrastructure, such as electric vehicle charging stations.
- **Grant Funded:** Grant-funded projects in this document either have already secured a grant or they are expected to secure a grant before proceeding.

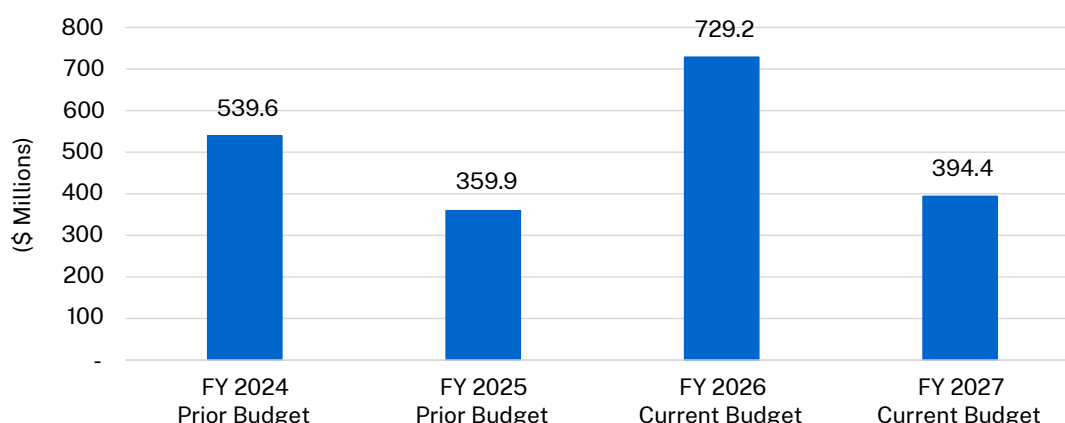
\*Note that while most projects are initially revenue-funded, the District issues bonds for a portion of certain projects' costs on a reimbursement basis. Over the 10-year CIP, approximately 33 percent of the Water CIP is expected to be debt-funded, and 50 percent of the Wastewater CIP will be debt-funded.

## Water System

### Overview

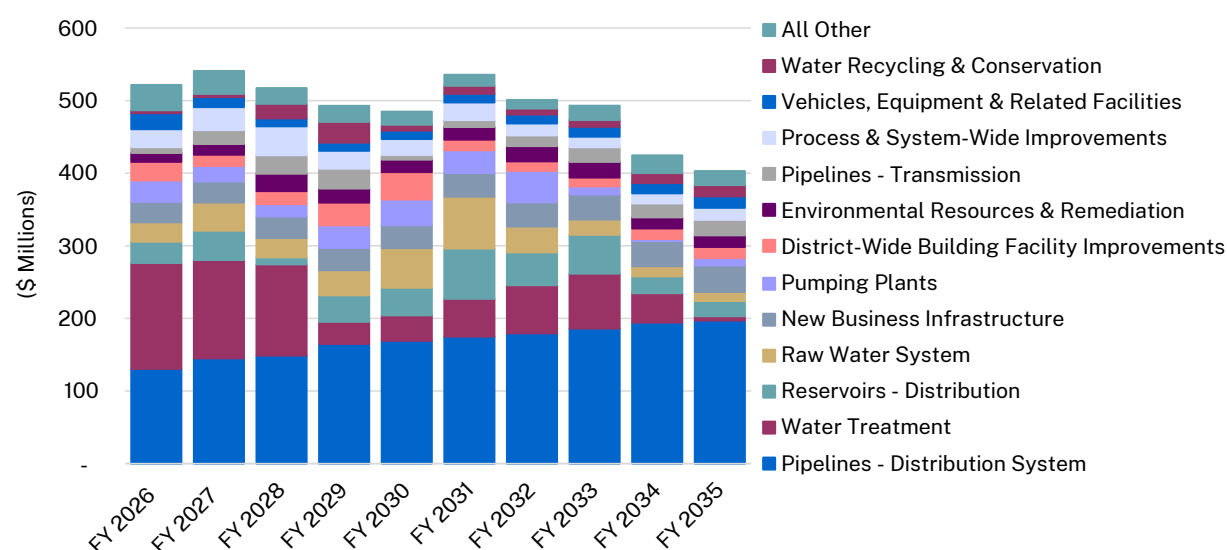
The Water System's FY 2026 capital appropriation will increase by \$369.3 million or 103 percent from FY 2025. In FY 2027, the appropriation decreases by 46 percent from FY 2026. The first year's increase is particularly high due to several multi-year contracts that will be advertised for bid in FY 2026. Appropriations are summarized in the below chart.

*Water System Appropriations Current Budget Compared to Prior Budget by Fiscal Year*



The FY 2026 - FY 2035 CIP is \$5.6 billion, including Capital Support. The CIP is driven by the combination of increasing investments to replace and rehabilitate aging infrastructure, working towards meeting Board-set priorities, and increased labor and construction costs. Capital Support, the indirect costs associated with capital work, increased to \$58.0 million annually for the current budget cycle, then by 3 percent annually for the remainder of the CIP.

*Water System FY 2026 - FY 2035 Cash Flows by Award Purpose (Excludes Capital Support)*



Award Purpose:

District-Wide Building Facility Improvements

Award:

7000126-Building Facilities Improvements

Lead Department:

Engineering & Construction

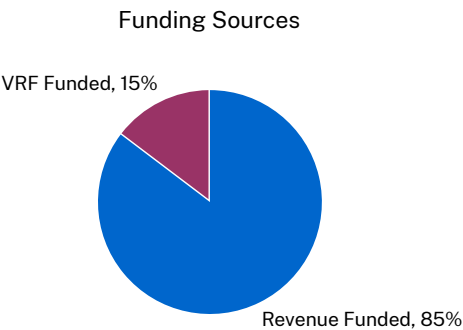
Start Year:

FY 2026

Award Description

Improvements to building systems enhance safety, reduce costs, minimize energy use, and optimize facility use for evolving District needs. Major projects include the AB Roof and Facade Access Rehabilitation, New Central Service Area, Fleet Maintenance East, HVAC upgrades at AMC, AB Envelope Resealing, AMC Roofing, and tenant improvements at Oakport. FY 2024 - FY 2025: Completed projects include a master plan for fleet electrification, an AB lobby education display, and planning/design for AB Firewall Repairs. Design for AB Roof and Facade Rehabilitation and Fiber Optic Replacement finished, with construction underway. Planning for the New Central Area Service Center and Fleet Maintenance East progressed. FY 2026 - FY 2027: Goals include completing AB Roof and Facade Rehabilitation, Fiber Optic Replacement, HVAC improvements at AMC, and security upgrades at AB. Design work will advance for the New Central Service Area, Fleet Maintenance East, AMC roofing, and electrical upgrades. Tenant improvements will continue across all facilities. FY 2028 - FY 2035: Expected completions include the New Central Area Service Center, Fleet Maintenance East, AB Firewall Repairs, AB Security Improvements, AMC Roofing, and Oakport tenant upgrades. AB Electrical Systems design will be finalized, with ongoing tenant improvements to meet workforce needs.

| Appropriations (\$ Thousands) |       |         |         |
|-------------------------------|-------|---------|---------|
| Phase                         | Total | FY 2026 | FY 2027 |
| Planning                      | -     | -       | -       |
| Design                        | 2,606 | 1,545   | 1,061   |
| Construction                  | -     | -       | -       |
| Recurring                     | -     | -       | -       |
| Other                         | -     | -       | -       |
| Total                         | 2,606 | 1,545   | 1,061   |





## Projected Cash Flow (\$ Thousands)

| CIP ID | Project Title   | Phase        | Total  | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
|--------|---|--------------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 11033  | ADA Compliance  | Planning     | 64     | 6       | 6       | 6       | 6       | 6       | 6       | 7       | 7       | 7       | 7       |
| 11034  | Fleet Maintenance East Upgrades   | Design       | 459    | 459     |         |         |         |         |         |         |         |         |         |
| 11034  | Fleet Maintenance East Upgrades   | Construction | 17,484 |         |         |         | 5,628   | 5,796   | 2,985   | 3,075   |         |         |         |
| 11035  | Oakland Administration Building Roofing Systems Rehabilitation              | Construction | 11,327 | 9,379   | 1,947   |         |         |         |         |         |         |         |         |
| 11036  | Small Miscellaneous Building Improvements                                   | Design       | 1,181  | 103     | 106     | 109     | 113     | 116     | 119     | 123     | 127     | 130     | 134     |
| 11036  | Small Miscellaneous Building Improvements                                   | Construction | 1,175  |         |         |         |         |         |         |         | 380     | 391     | 403     |
| 11038  | Condition Assessment and Reinvestment Plan Implementation                   | Planning     | 227    | 227     |         |         |         |         |         |         |         |         |         |
| 11037  | Administration Building Space Reconfiguration                               | Design       | 1,299  | 113     | 117     | 120     | 124     | 128     | 131     | 135     | 139     | 144     | 148     |
| 11037  | Administration Building Space Reconfiguration                               | Construction | 1,038  |         |         |         |         |         |         |         | 336     | 346     | 356     |
| 11039  | East Area Service Center HVAC and Emergency Generator Upgrade               | Design       | 105    | 105     |         |         |         |         |         |         |         |         |         |
| 11040  | New Central Area Service Center   | Design       | 577    | 577     |         |         |         |         |         |         |         |         |         |
| 11040  | New Central Area Service Center   | Construction | 37,319 |         |         |         | 10,130  | 25,040  | 2,149   |         |         |         |         |
| 11041  | Adeline Maintenance Center Administration Building HVAC System Improvements | Construction | 5,162  | 3,323   | 1,839   |         |         |         |         |         |         |         |         |
| 11044  | Administration Building Fiber Optic Backbone Cabling Replacement            | Construction | 155    | 155     |         |         |         |         |         |         |         |         |         |
| 11050  | Administration Building Fire Wall Repairs                                   | Design       | 361    | 361     |         |         |         |         |         |         |         |         |         |
| 11050  | Administration Building Fire Wall Repairs                                   | Construction | 3,712  |         |         |         |         |         | 239     | 2,460   | 1,013   |         |         |
| 11046  | Administration Building and Adeline Maintenance Center Restacking Project   | Planning     | 598    | 598     |         |         |         |         |         |         |         |         |         |
| 11047  | Fire Protection at Occupied Facilities                                      | Planning     | 183    |         | 85      |         |         |         |         | 98      |         |         |         |
| 11047  | Fire Protection at Occupied Facilities                                      | Design       | 165    |         |         | 76      |         |         |         |         | 89      |         |         |
| 11047  | Fire Protection at Occupied Facilities                                      | Construction | 887    |         |         |         |         |         |         |         | 437     | 450     |         |

## Projected Cash Flow (\$ Thousands)

| CIP ID | Project Title   | Phase        | Total  | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
|--------|---|--------------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 11048  | Oakport Site Development  | Design       | 567    | 567     |         |         |         |         |         |         |         |         |         |
| 11048  | Oakport Site Development  | Construction | 4,713  | 484     | 2,896   | 1,333   |         |         |         |         |         |         |         |
| 11049  | ZEV Charging Stations   | Design       | 2,606  | 1,545   | 1,061   |         |         |         |         |         |         |         |         |
| 11049  | ZEV Charging Stations   | Construction | 16,637 |         |         | 8,195   | 8,441   |         |         |         |         |         |         |
| 11360  | Administration Building Envelope Sealing                        | Planning     | 161    |         | 106     | 55      |         |         |         |         |         |         |         |
| 11360  | Administration Building Envelope Sealing                        | Design       | 499    |         |         | 246     | 253     |         |         |         |         |         |         |
| 11361  | Administration Building Safety and Security Improvements        | Design       | 309    | 309     |         |         |         |         |         |         |         |         |         |
| 11361  | Administration Building Safety and Security Improvements        | Construction | 1,433  |         |         |         |         |         | 1,433   |         |         |         |         |
| 11362  | Adeline Maintenance Center Buildings Roof Repairs               | Design       | 618    | 618     |         |         |         |         |         |         |         |         |         |
| 11362  | Adeline Maintenance Center Buildings Roof Repairs               | Construction | 4,629  |         |         |         |         |         |         |         | 2,280   | 2,349   |         |
| 11363  | Administration Building Roofing Systems Improvement and Phase 2 | Design       | 278    |         | 212     | 66      |         |         |         |         |         |         |         |
| 11364  | Adeline Maintenance Center Campus Reconfiguration               | Planning     | 836    | 412     | 424     |         |         |         |         |         |         |         |         |
| 11367  | Administration Building Major Capital Renewals Design           |              | 1,099  | 36      | 32      | 852     | 34      | 35      | 36      | 37      | 38      |         |         |
| 11367  | Administration Building Major Capital Renewals Construction     |              | 2,031  |         |         |         |         |         |         |         | 152     | 1,718   | 161     |
| 11368  | Administration Building Electrical Systems Upgrade              | Planning     | 530    |         | 530     |         |         |         |         |         |         |         |         |
| 11368  | Administration Building Electrical Systems Upgrade              | Design       | 1,112  |         |         | 437     | 675     |         |         |         |         |         |         |
| 11368  | Administration Building Electrical Systems Upgrade              | Construction | 5,376  |         |         |         |         |         |         |         |         |         | 5,376   |
| 11369  | Pardee Center Improvements                                      | Planning     | 230    | 103     | 127     |         |         |         |         |         |         |         |         |
| 11369  | Pardee Center Improvements                                      | Design       | 357    |         | 106     | 251     |         |         |         |         |         |         |         |
| 11371  | Administration Building HVAC System Upgrade                     | Design       | 349    |         | 143     | 148     | 59      |         |         |         |         |         |         |
| 11371  | Administration Building HVAC System Upgrade                     | Construction | 968    |         |         |         |         |         |         |         | 393     | 411     | 164     |

| Projected Cash Flow (\$ Thousands) |  |              |         |         |         |         |         |         |         |         |         |         |         |
|------------------------------------|--|--------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CIP ID                             | Project Title  | Phase        | Total   | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
| 11372                              | Administration Building Public Education Exhibit Expansion | Planning     | 60      |         | 60      |         |         |         |         |         |         |         |         |
| 11372                              | Administration Building Public Education Exhibit Expansion | Design       | 92      |         | 21      | 71      |         |         |         |         |         |         |         |
| 11374                              | Aqueduct Section ADA Upgrade                               | Design       | 403     |         |         |         |         |         |         |         |         |         | 403     |
| 11375                              | Lafayette Reservoir Maintenance Shop ADA Upgrade           | Design       | 67      |         |         |         |         |         |         |         |         |         | 67      |
| 11376                              | Sobrante and Lafayette Water Treatment Plant ADA Upgrade   | Design       | 350     | 350     |         |         |         |         |         |         |         |         |         |
| 11376                              | Sobrante and Lafayette Water Treatment Plant ADA Upgrade   | Construction | 1,194   |         |         |         |         |         | 1,194   |         |         |         |         |
| All Projects                       |  |              | 130,982 | 19,829  | 9,820   | 11,966  | 25,462  | 31,121  | 8,293   | 5,935   | 5,391   | 5,946   | 7,220   |

Award Purpose:  
**District-Wide Building Facility Improvements**

Award:  
**7100002-Facilities Cathodic Protection**

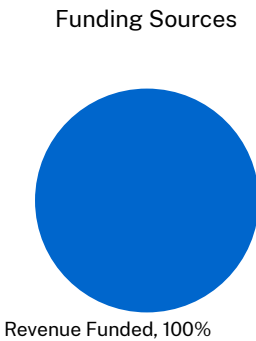
Lead Department:  
Engineering & Construction

Start Year:  
FY 2026

Award Description

The distribution system valve improvements include the design and installation of distribution system isolation valves based on the recommendations of the Distribution Sys: Valve Study to reduce the magnitude and duration of customer outages during pipeline shutdowns and improve distribution system resilience.

| Appropriations (\$ Thousands) |       |         |         |
|-------------------------------|-------|---------|---------|
| Phase                         | Total | FY 2026 | FY 2027 |
| Planning                      | -     | -       | -       |
| Design                        | -     | -       | -       |
| Construction                  | -     | -       | -       |
| Recurring                     | -     | -       | -       |
| Other                         | -     | -       | -       |
| Total                         | -     | -       | -       |



| Projected Cash Flow (\$ Thousands) |                              |              |       |         |         |         |         |         |         |         |         |         |         |
|------------------------------------|------------------------------|--------------|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CIP ID                             | Project Title                | Phase        | Total | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
| 11067                              | Tanks, Towers, and Treatment | Design       | 1,749 | 153     | 157     | 162     | 167     | 172     | 177     | 182     | 188     | 193     | 199     |
| 11067                              | Tanks, Towers, and Treatment | Construction | 2,825 | 500     |         | 531     |         | 563     |         | 597     |         | 634     |         |
| All Projects                       |                              | All Phases   | 4,574 | 653     | 157     | 693     | 167     | 735     | 177     | 779     | 188     | 827     | 199     |

Award Purpose:  
**District-Wide Building Facility Improvements**

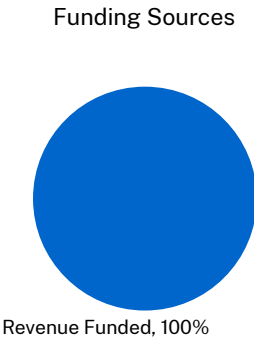
Award:  
**7000326-Facility Paving**

|                  |             |
|------------------|-------------|
| Lead Department: | Start Year: |
| Water Operations | FY 2026     |

Award Description

This project maintains and replaces distribution reservoir access roads, other facility roads, and parking areas. Planned work in FY 2026 - FY 2030 includes paving repairs ar replacements for reservoir access roads, pumping plant parking areas, Adeline Maintenance Center facilities, and Service Yards. Aging paving at local facilities are in need o restoration and this project provides a systematic and long-term approach to optimizing pavement maintenance.

| Appropriations (\$ Thousands) |       |         |         |
|-------------------------------|-------|---------|---------|
| Phase                         | Total | FY 2026 | FY 2027 |
| Planning                      | -     | -       | -       |
| Design                        | 200   | 100     | 100     |
| Construction                  | -     | -       | -       |
| Recurring                     | 750   | 350     | 400     |
| Other                         | -     | -       | -       |
| Total                         | 950   | 450     | 500     |



| Projected Cash Flow (\$ Thousands) |                                   |              |        |         |         |         |         |         |         |         |         |         |         |
|------------------------------------|-----------------------------------|--------------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CIP ID                             | Project Title                     | Phase        | Total  | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
| 11147                              | Pavement Mgmt Plan Implementation | Design       | 2,657  | 232     | 239     | 246     | 253     | 261     | 269     | 277     | 285     | 294     | 302     |
| 11147                              | Pavement Mgmt Plan Implementation | Construction | 20,703 | 1,498   | 1,657   | 1,712   | 1,719   | 1,855   | 1,910   | 1,968   | 2,027   | 3,131   | 3,225   |
| All Projects                       |                                   | All Phases   | 23,360 | 1,729   | 1,896   | 1,958   | 1,972   | 2,116   | 2,179   | 2,245   | 2,312   | 3,425   | 3,528   |

Award Purpose:  
**District-Wide Building Facility Improvements**

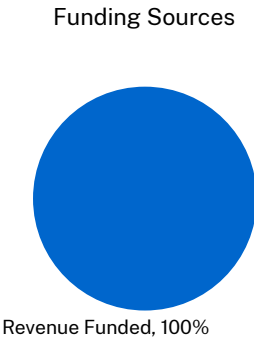
Award:  
**7000161-Minor Facilities Work**

|                  |             |
|------------------|-------------|
| Lead Department: | Start Year: |
| Water Operations | FY 2033     |

Award Description

This project consists of smaller capital improvements to facilities that do not require extensive planning or design, or justify a standalone project. The project also includes c sharing with the Wastewater System for laboratory upgrades and equipment. Each year various improvements and modifications to facilities are required. Most involve equip or structural issues impacting facility integrity, or health and safety issues.

| Appropriations (\$ Thousands) |       |         |         |
|-------------------------------|-------|---------|---------|
| Phase                         | Total | FY 2026 | FY 2027 |
| Planning                      | -     | -       | -       |
| Design                        | -     | -       | -       |
| Construction                  | -     | -       | -       |
| Recurring                     | -     | -       | -       |
| Other                         | -     | -       | -       |
| Total                         | -     | -       | -       |





| Projected Cash Flow (\$ Thousands) |                           |              |       |         |         |         |         |         |         |         |         |         |         |
|------------------------------------|---------------------------|--------------|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CIP ID                             | Project Title             | Phase        | Total | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
| 11146                              | Sewer Laterals Compliance | Construction | 192   |         |         |         |         |         |         |         | 127     | 65      |         |
|                                    | All Projects              | All Phases   | 192   |         |         |         |         |         |         |         | 127     | 65      |         |

Award Purpose:

**District-Wide Building Facility Improvements**

Award:

**7000305-Small Capital Improvements**

Lead Department:

Water Operations

Start Year:

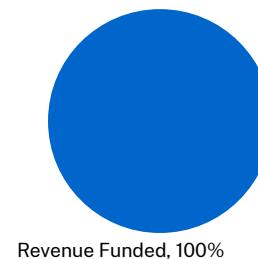
FY 2026

**Award Description**

This project provides urgent capital improvements to maintain the reliability and safety of pumping plants, reservoirs, regulators, treatment plants, rate control stations, and administration buildings. There are 425 of these facilities, many of which have improvements scheduled in the Infrastructure Rehabilitation Plan (IRP) in the next 10 years. The project provides improvements and the accelerated replacement of failed or unreliable components in some of the facilities slated for eventual rehabilitation. Such improvements are smaller in scale than the typical project under the IRP. Planned projects for FY 2026 - FY 2030 include replacement of electrical and control components at multiple pumping plants as well as the replacement of turbidimeters at water treatment plants. Other work includes repair and replacement of motors, valves, piping, instrumentation, retainers and roofs at various pumping plants, water treatment plants, regulators, and rate control stations. This project replaces critical electrical, mechanical, instrument, and structural components at distribution and treatment facilities that have reached the end of their useful lives. Failure of the components can affect water service to customers, fire suppression capability, and water quality.

| Appropriations (\$ Thousands) |              |              |              |
|-------------------------------|--------------|--------------|--------------|
| Phase                         | Total        | FY 2026      | FY 2027      |
| Planning                      | -            | -            | -            |
| Design                        | -            | -            | -            |
| Construction                  | -            | -            | -            |
| Recurring                     | 5,700        | 2,850        | 2,850        |
| Other                         | -            | -            | -            |
| <b>Total</b>                  | <b>5,700</b> | <b>2,850</b> | <b>2,850</b> |

Funding Sources



| Projected Cash Flow (\$ Thousands) |  |              |        |         |         |         |         |         |         |         |         |         |         |
|------------------------------------|--|--------------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CIP ID                             | Project Title  | Phase        | Total  | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
| 11142                              | Motor Control Center Replacement and Other Facilities Maintenance & Construction Capital | Construction | 38,747 | 3,399   | 3,501   | 3,387   | 3,714   | 3,826   | 3,940   | 4,059   | 4,180   | 4,306   | 4,435   |
|                                    | All Projects   | All Phases   | 38,747 | 3,399   | 3,501   | 3,387   | 3,714   | 3,826   | 3,940   | 4,059   | 4,180   | 4,306   | 4,435   |

Award Purpose:  
**Environmental Resources & Remediation**

Award:  
**7000012-East Bay Watershed Management**

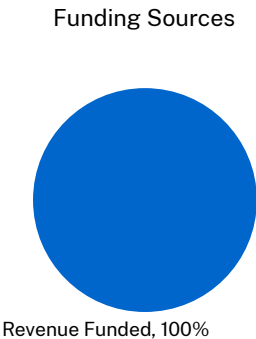
Lead Department:  
Natural Resources

Start Year:  
FY 2026

Award Description

Watershed are lands managed to ensure public health and safety, environmental protection, and availability of a clean water supply for customers. Work is prioritized in accordance with the East Bay Watershed Master Plan, Range Resource Management Plan, Fire Management Plan, and regulatory requirements. Projects include upgrades that address regulatory, safety, and water quality concerns, as well as improvements to grazing allotments, fencing, fire-access roads, watershed trails, and other structures found in the watershed. FY 2024 - FY 2025 work included the Grizzly Peak Strategic Shaded Fuel Break Collaboration, in partnership with the East Bay Regional Park District (EBRPD) which received a CalFire Wildfire Prevention Grant to support the project. Work also continued on the San Pablo Pines Removal project to address dead and dying Monterey pines in the San Pablo Reservoir watershed. FY 2026 - FY 2035 work includes continuation of the San Pablo Pines Removal project, additional work on shaded fuel breaks, replacement of watershed boundary fencing, and demolition of structures on the watershed, as well as additional major vegetation management projects. Also included is a potential demolition of the California Shakespeare Theatre that leases land in the watershed.

| Appropriations (\$ Thousands) |       |         |         |
|-------------------------------|-------|---------|---------|
| Phase                         | Total | FY 2026 | FY 2027 |
| Planning                      | -     | -       | -       |
| Design                        | -     | -       | -       |
| Construction                  | -     | -       | -       |
| Recurring                     | 2,398 | 1,603   | 796     |
| Other                         | -     | -       | -       |
| Total                         | 2,398 | 1,603   | 796     |



| Projected Cash Flow (\$ Thousands) |                                       |              |       |         |         |         |         |         |         |         |         |         |         |
|------------------------------------|---------------------------------------|--------------|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CIP ID                             | Project Title                         | Phase        | Total | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
| 11003                              | East Bay Safety - Regulation Upgrades | Construction | 1,093 |         |         | 1,093   |         |         |         |         |         |         |         |
| 11003                              | East Bay Safety - Regulation Upgrades | Other        | 3,165 | 618     | 212     | 219     | 225     | 232     | 239     | 246     | 380     | 391     | 403     |
| 11004                              | East Bay WSTHD San Pablo Pines        | Construction | 4,101 | 773     | 796     | 820     | 844     | 869     |         |         |         |         |         |
| All Projects                       |                                       | All Phases   | 8,359 | 1,391   | 1,008   | 2,131   | 1,069   | 1,101   | 239     | 246     | 380     | 391     | 403     |

Award Purpose:  
**Environmental Resources & Remediation**

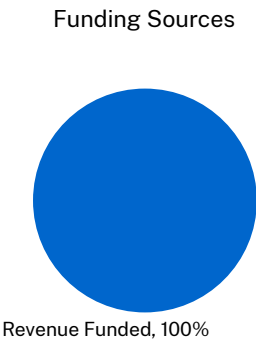
Award:  
**7000048-Mine Restorations**

|                          |             |
|--------------------------|-------------|
| Lead Department:         | Start Year: |
| Operations & Maintenance | FY 2031     |

Award Description

This project evaluates and implements long-term remedial solutions for two sites: former Penn Mine and Poison Lake, with the goal of restoring the Penn Mine site to pre-mir conditions.

| Appropriations (\$ Thousands) |       |         |         |
|-------------------------------|-------|---------|---------|
| Phase                         | Total | FY 2026 | FY 2027 |
| Planning                      | -     | -       | -       |
| Design                        | -     | -       | -       |
| Construction                  | -     | -       | -       |
| Recurring                     | -     | -       | -       |
| Other                         | -     | -       | -       |
| Total                         | -     | -       | -       |



| Projected Cash Flow (\$ Thousands) |  |              |       |         |         |         |         |         |         |         |         |         |         |
|------------------------------------|--|--------------|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CIP ID                             | Project Title  | Phase        | Total | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
| 11119                              | Tailing Pond Investigation                           | Construction | 23    |         |         |         |         |         |         |         | 10      | 7       | 7       |
| 11120                              | Bureau of Land Management (BLM) Cost Sharing, Poison | Construction | 19    |         |         |         |         |         | 4       | 4       | 4       | 4       | 4       |
| All Projects                       |  | All Phases   | 42    |         |         |         |         |         | 4       | 4       | 13      | 10      | 11      |

Award Purpose:  
**Environmental Resources & Remediation**

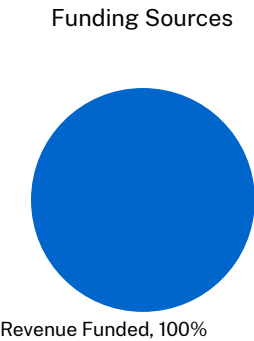
Award:  
**7000240-Mokelumne River Hatchery**

|                   |             |
|-------------------|-------------|
| Lead Department:  | Start Year: |
| Natural Resources | FY 2028     |

Award Description

Operation of the Mokelumne River Fish Hatchery requires compliance with agreements with regulatory agencies to maximize hatchery fish production, and to protect and enhance the natural in-river production of anadromous fish. This award includes capital upgrades and replacements of the main and ancillary hatchery facilities, in compliance with the Mokelumne River Fish Hatchery operation agreement with the California Department of Fish and Wildlife (CDFW). FY 2024 - FY 2025 work included completion of a new water supply system for the residences at the Hatchery for CDFW staff, planning and development for electrical system upgrades and a replacement of the raceway lift station to comply with the National Pollutant Discharge Elimination System (NPDES) permit, and a feasibility study for temperature control infrastructure at Camanche Dam to better manage the water pool. FY 2028 - FY 2035, work includes upgrades to the Hatchery electrical system including new generators and transfer switches, a new steelhead rearing building, replacement of the lift station to maintain compliance with regulatory permits. Another project includes planning and design of a temperature control device at Camanche Dam.

| Appropriations (\$ Thousands) |       |         |         |
|-------------------------------|-------|---------|---------|
| Phase                         | Total | FY 2026 | FY 2027 |
| Planning                      | -     | -       | -       |
| Design                        | -     | -       | -       |
| Construction                  | -     | -       | -       |
| Recurring                     | -     | -       | -       |
| Other                         | -     | -       | -       |
| Total                         | -     | -       | -       |





| Projected Cash Flow (\$ Thousands) |                                   |              |        |         |         |         |         |         |         |         |         |         |         |
|------------------------------------|-----------------------------------|--------------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CIP ID                             | Project Title                     | Phase        | Total  | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
| 11006                              | Mokelumne River Hatchery Upgrades | Construction | 3,767  |         |         |         | 2,397   | 383     | 693     | 98      | 63      | 65      | 67      |
| 11007                              | Hatchery Residences               | Construction | 162    |         |         |         |         |         |         |         | 63      | 65      | 34      |
| 11220                              | Temperature Control Device        | Planning     | 10,258 |         |         | 2,448   | 2,521   | 927     | 573     | 2,066   | 1,723   |         |         |
| 11220                              | Temperature Control Device        | Design       | 6,419  |         |         |         |         | 1,113   | 1,815   | 1,869   | 1,621   |         |         |
| All Projects                       |                                   | All Phases   | 20,606 |         |         | 2,448   | 4,918   | 2,423   | 3,081   | 4,034   | 3,471   | 130     | 101     |

Award Purpose:  
**Environmental Resources & Remediation**

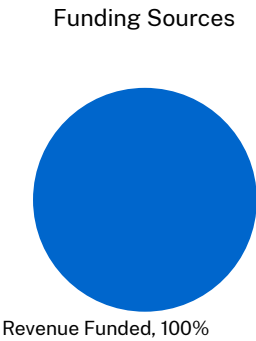
Award:  
**7000010-Mokelumne Watershed Management**

|                   |             |
|-------------------|-------------|
| Lead Department:  | Start Year: |
| Natural Resources | FY 2026     |

Award Description

Watershed lands are managed to ensure public health and safety, environmental protection, and availability of a clean water supply for customers. Work is prioritized in accordance with the Mokelumne Watershed Master Plan, Rangeland Management Plan, Fire Management Plan, and regulatory requirements. Projects include upgrades that address regulatory, safety, and water quality concerns, as well as improvements to grazing allotments, fencing, fire roads, watershed trails, and other watershed infrastructure. FY 2025 work included the purchase of replacement regulatory-required buoys for Pardee Reservoir and watershed patrol radios. FY 2026 - FY 2035 work includes watershed boundary fencing, improvements to grazing allotments, and roads within the watershed.

| Appropriations (\$ Thousands) |       |         |         |
|-------------------------------|-------|---------|---------|
| Phase                         | Total | FY 2026 | FY 2027 |
| Planning                      | -     | -       | -       |
| Design                        | -     | -       | -       |
| Construction                  | 297   | 297     | -       |
| Recurring                     | -     | -       | -       |
| Other                         | -     | -       | -       |
| Total                         | 297   | 297     | -       |



| Projected Cash Flow (\$ Thousands) |                              |              |       |         |         |         |         |         |         |         |         |         |         |
|------------------------------------|------------------------------|--------------|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CIP ID                             | Project Title                | Phase        | Total | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
| 11010                              | Mokelumne Safety/Regulations | Construction | 1,572 | 103     | 106     | 109     | 113     | 116     | 119     | 123     | 253     | 261     | 269     |
|                                    | All Projects                 | All Phases   | 1,572 | 103     | 106     | 109     | 113     | 116     | 119     | 123     | 253     | 261     | 269     |

Award Purpose:  
**Environmental Resources & Remediation**

Award:  
**7000070-River and Watershed**

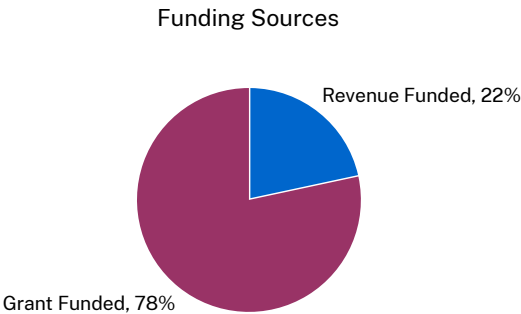
Lead Department:  
Natural Resources

Start Year:  
FY 2026

Award Description

Natural resources management actions include implementation of habitat and species protections and enhancement measures, including those required from the East Bay L Conservation Plan, Safe Harbor Agreements, and compliance with the Voluntary Agreements Memorandum of Understanding (MOU), and associated grants with DWR and U. FY 2024 - FY 2025 work included the purchase of replacement river monitoring equipment, and implementation of habitat projects as part of the Healthy Rivers and Landscapes Program, including design of additional spawning habitats and floodplains, and installation of riparian diversion screens to protect migrating fish. Portions of this work were supported by a California Department of Water Resources grant and a United States Bureau of Reclamation grant. FY 2026 - FY 2031 work includes continuing to implement Healthy Rivers and Landscapes program, including new floodplain habitat for spawning anadromous fish, and new fish diversion screens. It also includes a fish passage improvement on an East Bay creek.

| Appropriations (\$ Thousands) |       |         |         |
|-------------------------------|-------|---------|---------|
| Phase                         | Total | FY 2026 | FY 2027 |
| Planning                      | -     | -       | -       |
| Design                        | -     | -       | -       |
| Construction                  | 2,528 | 1,391   | 1,138   |
| Recurring                     | 582   | 582     | -       |
| Other                         | -     | -       | -       |
| Total                         | 3,110 | 1,972   | 1,138   |



| Projected Cash Flow (\$ Thousands) |  |              |       |         |         |         |         |         |         |         |         |         |         |
|------------------------------------|--|--------------|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CIP ID                             | Project Title  | Phase        | Total | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
| 11011                              | Habitat Conservation Plan Implementation   | Construction | 647   |         |         |         |         |         |         |         | 279     | 33      | 336     |
| 11012                              | River Monitoring Equipment   | Construction | 195   |         |         |         |         |         |         |         | 76      | 59      | 60      |
| 11013                              | Voluntary Agreement Restoration  | Construction | 1,128 | 52      | 530     | 546     |         |         |         |         |         |         |         |
| 11014                              | Voluntary Agreements - Reimbursable California Department of Water Resources (DWR) Grant | Construction | 6,566 | 979     | 1,432   | 2,568   | 1,294   | 174     | 119     |         |         |         |         |
| 11015                              | Voluntary Agreements - Reimbursable United States Bureau of Reclamation (USBR) Grant     | Design       | 571   | 412     | 159     |         |         |         |         |         |         |         |         |
| All Projects                       |  |              | 9,108 | 1,442   | 2,122   | 3,114   | 1,294   | 174     | 119     |         | 355     | 91      | 396     |

Award Purpose:

**Environmental Resources & Remediation**

Award:

**7000042-Trench Soils Management**

Lead Department:

Maintenance &amp; Construction

Start Year:

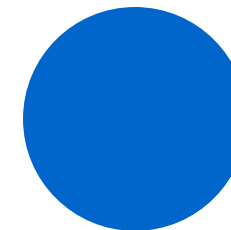
FY 2026

**Award Description**

This project is necessary to ensure adequate capacity for ongoing and future operations at District Owned Storage Sites (DOSS), continued regulatory compliance, and cost-effective and sustainable practices to manage trench soils. Trench soils are generally stockpiled for future reuse or disposal at three DOSS: Briones in Orinda, Miller Road in Valley, and Amador in San Ramon. Trench soils production has been increasing under the Pipeline Rebuild Program. This project includes coordination between multiple stakeholders on the generation, management, and final end use of all trench soils, operation and regulatory compliance at the DOSS, and implementation of recommendations from the Trench Soils Management Plan (TSMP) to more efficiently and sustainably manage trench soils. Priorities during the five-year CIP include continuing ongoing efforts to implement TSMP recommendations, including evaluating long-term solutions for trench soils, management of the DOSS, implementing Board direction on trench soils, and continued compliance with regulations.

| Appropriations (\$ Thousands) |               |              |              |
|-------------------------------|---------------|--------------|--------------|
| Phase                         | Total         | FY 2026      | FY 2027      |
| Planning                      | 955           | 584          | 371          |
| Design                        | -             | -            | -            |
| Construction                  | -             | -            | -            |
| Recurring                     | 16,586        | 7,924        | 8,662        |
| Other                         | -             | -            | -            |
| <b>Total</b>                  | <b>17,541</b> | <b>8,508</b> | <b>9,034</b> |

Funding Sources



Revenue Funded, 100%

| Projected Cash Flow (\$ Thousands) |  |              |         |         |         |         |         |         |         |         |         |         |         |
|------------------------------------|--|--------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CIP ID                             | Project Title                          | Phase        | Total   | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
| 11168                              | Trench Soils Removal                   | Planning     | 3,663   | 430     | 318     | 328     | 338     | 348     | 358     | 369     | 380     | 391     | 403     |
| 11168                              | Trench Soils Removal                   | Construction | 103,550 | 6,536   | 7,233   | 9,961   | 10,004  | 10,793  | 11,117  | 11,451  | 11,794  | 12,148  | 12,512  |
| 11169                              | District-Owned Storage Site Management | Planning     | 813     | 155     | 53      | 55      | 56      | 58      | 179     | 61      | 63      | 65      | 67      |
| 11169                              | District-Owned Storage Site Management | Construction | 15,905  | 1,387   | 1,429   | 1,472   | 1,516   | 1,562   | 1,608   | 1,657   | 1,706   | 1,758   | 1,810   |
| All Projects                       |  |              | 123,931 | 8,508   | 9,034   | 11,816  | 11,914  | 12,761  | 13,263  | 13,538  | 13,944  | 14,362  | 14,793  |

Award Purpose:  
**Environmental Resources & Remediation**

Award:  
**7000074-Upcountry Wastewater Treatment Improvements**

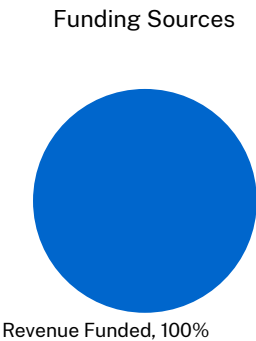
Lead Department:  
Engineering & Construction

Start Year:  
FY 2026

**Award Description**

Upcountry Wastewater Treatment Improvements includes improvements to upcountry collection systems and wastewater treatment facilities. Major projects include the Car South Shore Recreational Area Wastewater Collection System Improvements project and the Camanche North Shore Recreational Area, Pardee Recreational Area, and Pard Center Wastewater Collection System Improvements project. FY 2024 - FY 2025 work included design of the Camanche South Shore Recreational Area Wastewater Collecti System Improvements project. FY 2026 - FY 2027 work includes design and construction of the Camanche South Shore Recreational Area Wastewater Collection System Improvements project. FY 2028 - FY 2035 work includes construction of the Camanche South Shore Recreational Area Wastewater Collection System Improvements project the Camanche North Shore Recreational Area, Pardee Recreational Area, and Pardee Center Wastewater Collection System Improvements project.

| Appropriations (\$ Thousands) |       |         |         |
|-------------------------------|-------|---------|---------|
| Phase                         | Total | FY 2026 | FY 2027 |
| Planning                      | -     | -       | -       |
| Design                        | -     | -       | -       |
| Construction                  | -     | -       | -       |
| Recurring                     | -     | -       | -       |
| Other                         | -     | -       | -       |
| Total                         | -     | -       | -       |





| Projected Cash Flow (\$ Thousands) |   |              |        |         |         |         |         |         |         |         |         |         |         |
|------------------------------------|---|--------------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CIP ID                             | Project Title   | Phase        | Total  | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
| 11225                              | Camanche South Shore Standard Service Collection System Improvement Project | Design       | 824    | 824     |         |         |         |         |         |         |         |         |         |
| 11225                              | Camanche South Shore Standard Service Collection System Improvement Project | Construction | 6,825  |         | 2,551   | 4,274   |         |         |         |         |         |         |         |
| 11226                              | CANS, PACT, and PARA Coll System Improv                                     | Planning     | 150    |         |         | 74      | 76      |         |         |         |         |         |         |
| 11226                              | CANS, PACT, and PARA Coll System Improv                                     | Design       | 1,177  |         |         |         |         | 580     | 597     |         |         |         |         |
| 11226                              | CANS, PACT, and PARA Coll System Improv                                     | Construction | 6,242  |         |         |         |         |         |         | 3,075   | 3,167   |         |         |
| All Projects                       |   | All Phases   | 15,217 | 824     | 2,551   | 4,347   | 76      | 580     | 597     | 3,075   | 3,167   |         |         |

Award Purpose:  
New Business Infrastructure

Award:  
7000015-Hydrants Installed by District Forces

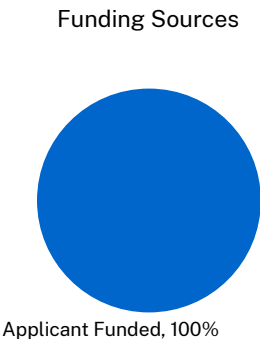
Lead Department:  
Engineering & Construction

Start Year:  
FY 2026

Award Description

This is a recurring project to install new hydrants in the service area. Most requests for new hydrants come from fire districts or developers. Development activity has been s recent years, with a corresponding increase in the number of hydrants installed. In FY 2025 - FY 2029 plans expect approximately 50 hydrants per year to be installed.

| Appropriations (\$ Thousands) |       |         |         |
|-------------------------------|-------|---------|---------|
| Phase                         | Total | FY 2026 | FY 2027 |
| Planning                      | -     | -       | -       |
| Design                        | -     | -       | -       |
| Construction                  | 3,136 | 1,545   | 1,591   |
| Recurring                     | -     | -       | -       |
| Other                         | -     | -       | -       |
| Total                         | 3,136 | 1,545   | 1,591   |



| Projected Cash Flow (\$ Thousands) |                                       |              |        |         |         |         |         |         |         |         |         |         |         |
|------------------------------------|---------------------------------------|--------------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CIP ID                             | Project Title                         | Phase        | Total  | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
| 11384                              | Hydrants Installed by District Forces | Construction | 17,712 | 1,545   | 1,591   | 1,639   | 1,688   | 1,739   | 1,791   | 1,845   | 1,900   | 1,957   | 2,016   |
|                                    | All Projects                          | All Phases   | 17,712 | 1,545   | 1,591   | 1,639   | 1,688   | 1,739   | 1,791   | 1,845   | 1,900   | 1,957   | 2,016   |

Award Purpose:  
**New Business Infrastructure**

Award:  
**7000014-New Service Installations**

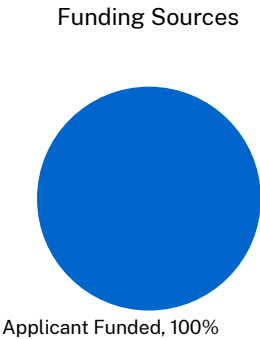
Lead Department:  
Engineering & Construction

Start Year:  
FY 2026

Award Description

This is an ongoing project to install new water services. Services include taps on the main, laterals, and meter sets. Work consists of adding services due to system expansion, urban in-fill projects, and excludes the replacement of existing services or service laterals. The need for installing new services continues to increase as housing development trends have elevated demand. In FY 2025 - FY 2029, approximately 700 new services expected to be installed annually.

| Appropriations (\$ Thousands) |        |         |         |
|-------------------------------|--------|---------|---------|
| Phase                         | Total  | FY 2026 | FY 2027 |
| Planning                      | -      | -       | -       |
| Design                        | -      | -       | -       |
| Construction                  | 32,304 | 15,914  | 16,391  |
| Recurring                     | -      | -       | -       |
| Other                         | -      | -       | -       |
| Total                         | 32,304 | 15,914  | 16,391  |



| Projected Cash Flow (\$ Thousands) |                           |              |         |         |         |         |         |         |         |         |         |         |         |
|------------------------------------|---------------------------|--------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CIP ID                             | Project Title             | Phase        | Total   | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
| 11383                              | New Service Installations | Construction | 182,430 | 15,914  | 16,391  | 16,883  | 17,389  | 17,911  | 18,448  | 19,002  | 19,572  | 20,159  | 20,764  |
|                                    | All Projects              | All Phases   | 182,430 | 15,914  | 16,391  | 16,883  | 17,389  | 17,911  | 18,448  | 19,002  | 19,572  | 20,159  | 20,764  |

Award Purpose:  
**New Business Infrastructure**

Award:  
**7000005-Pipeline System Extensions**

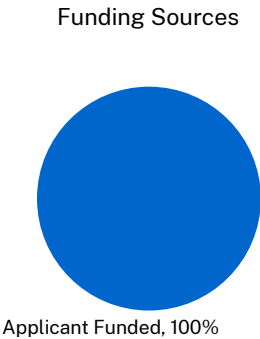
Lead Department:  
Engineering & Construction

Start Year:  
FY 2026

Award Description

This ongoing project establishes additional pipeline to serve new customers via Applicant Extension Agreements. Annual workload is estimated from projections of land development activity and recent trends outlined in Water Service Estimates from the New Business Office. FY 2025 - FY 2029 work will include approximately 5-6 miles per system extensions.

| Appropriations (\$ Thousands) |        |         |         |
|-------------------------------|--------|---------|---------|
| Phase                         | Total  | FY 2026 | FY 2027 |
| Planning                      | -      | -       | -       |
| Design                        | 2,154  | 1,061   | 1,093   |
| Construction                  | -      | -       | -       |
| Recurring                     | 19,383 | 9,548   | 9,835   |
| Other                         | -      | -       | -       |
| Total                         | 21,536 | 10,609  | 10,927  |



## Projected Cash Flow (\$ Thousands)

| CIP ID       | Project Title     | Phase        | Total   | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
|--------------|-------------------|--------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 11379        | System Extensions | Design       | 12,162  | 1,061   | 1,093   | 1,126   | 1,159   | 1,194   | 1,230   | 1,267   | 1,305   | 1,344   | 1,384   |
| 11379        | System Extensions | Construction | 109,458 | 9,548   | 9,835   | 10,130  | 10,433  | 10,746  | 11,069  | 11,401  | 11,743  | 12,095  | 12,458  |
| All Projects |                   | All Phases   | 121,620 | 10,609  | 10,927  | 11,255  | 11,593  | 11,941  | 12,299  | 12,668  | 13,048  | 13,439  | 13,842  |

Award Purpose:  
**Pipelines - Distribution System**

Award:  
**7000164-Annual Appurtenance Work**

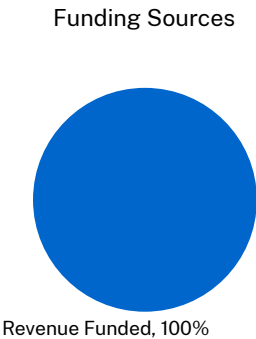
Lead Department:  
Maintenance & Construction

Start Year:  
FY 2026

**Award Description**

This ongoing project will replace distribution system isolation valves, blow-off assemblies, air valves and other appurtenances that have reached the end of their useful lives longer meet current installation practices. The goal is to inspect and operate 10 percent of distribution valves annually. The Large Valve Master Plan has identified a number of appurtenances that need to be upgraded to ensure system reliability. Due to increased funding within cities and counties for paving restoration and street reconstruction, gas pots upgraded in FY 2024 - FY 2025, and will continue into FY 2026 - FY 2027. These upgrades improve access during emergency and routine valve operation, and while performing maintenance activities.

| Appropriations (\$ Thousands) |       |         |         |
|-------------------------------|-------|---------|---------|
| Phase                         | Total | FY 2026 | FY 2027 |
| Planning                      | -     | -       | -       |
| Design                        | -     | -       | -       |
| Construction                  | -     | -       | -       |
| Recurring                     | 1,550 | 750     | 800     |
| Other                         | -     | -       | -       |
| Total                         | 1,550 | 750     | 800     |





| Projected Cash Flow (\$ Thousands) |                   |              |        |         |         |         |         |         |         |         |         |         |         |
|------------------------------------|-------------------|--------------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CIP ID                             | Project Title     | Phase        | Total  | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
| 11117                              | Appurtenance Work | Construction | 20,761 | 1,648   | 1,697   | 1,858   | 1,913   | 2,029   | 2,090   | 2,214   | 2,280   | 2,479   | 2,553   |
|                                    | All Projects      | All Phases   | 20,761 | 1,648   | 1,697   | 1,858   | 1,913   | 2,029   | 2,090   | 2,214   | 2,280   | 2,479   | 2,553   |

Award Purpose:  
**Pipelines - Distribution System**

Award:  
**7000030-Distribution System Cathodic Protection**

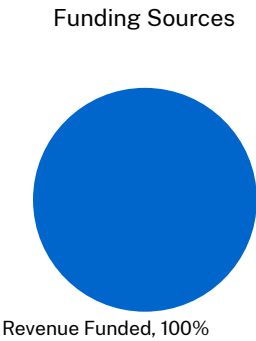
Lead Department:  
Engineering & Construction

Start Year:  
FY 2026

**Award Description**

This recurring project repairs and replaces cathodic protection units for Mortar Lined & Coated Steel (ML&CS) or Mortar Lined & Plastic-Coated Steel (ML&PCS) distribution mains. The ML&PCS pipelines are protected by approximately 1,300 galvanic anode systems, which total 3,000 individual anodes. The ML&CS pipelines are protected by approximately 60 impressed current Cathodic Protection System (CPS). FY 2025 work included the formation of a 4-person crew for the Copper Lateral Cathodic Protection Program, and work began in Richmond and Hercules. FY 2026 - FY 2035 work includes improving approximately 40 galvanic anode test stations annually, 20 CPS biannually eventually installing approximately 4,400 zinc anodes annually for the Copper Lateral Cathodic Protection Program.

| Appropriations (\$ Thousands) |       |         |         |
|-------------------------------|-------|---------|---------|
| Phase                         | Total | FY 2026 | FY 2027 |
| Planning                      | -     | -       | -       |
| Design                        | 350   | 172     | 178     |
| Construction                  | -     | -       | -       |
| Recurring                     | 1,739 | 727     | 1,012   |
| Other                         | -     | -       | -       |
| Total                         | 2,089 | 899     | 1,189   |



| Projected Cash Flow (\$ Thousands) |   |              |        |         |         |         |         |         |         |         |         |         |         |
|------------------------------------|---|--------------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CIP ID                             | Project Title                           | Phase        | Total  | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
| 11063                              | Distribution System Cathodic Protection | Design       | 4,782  | 417     | 430     | 443     | 456     | 470     | 484     | 498     | 513     | 529     | 543     |
| 11063                              | Distribution System Cathodic Protection | Construction | 23,766 | 1,760   | 2,449   | 1,867   | 2,598   | 1,980   | 2,756   | 2,101   | 2,924   | 2,229   | 3,102   |
| All Projects                       |   | All Phases   | 28,548 | 2,177   | 2,879   | 2,309   | 3,054   | 2,450   | 3,240   | 2,599   | 3,437   | 2,758   | 3,645   |

Award Purpose:  
**Pipelines - Distribution System**

Award:  
**7000003-Pipeline Rebuild**

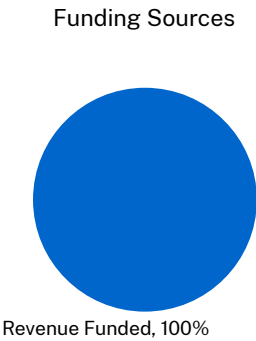
Lead Department:  
Engineering & Construction

Start Year:  
FY 2026

**Award Description**

Pipeline Rebuild focuses on the continued replacement and renewal of distribution system pipelines that have reached the end of their useful life. This project is continuing to increase pipeline replacement rates and evaluate likelihood and consequence of failure factors to refine the prioritization of these replacements. Pipeline Rebuild plans to utilize condition assessment technologies and artificial intelligence risk models to verify if certain pipelines are ready for replacement. In FY 2026, Pipeline Rebuild has a replacement of 25 miles. The annual replacement mileage goal will increase to 27.5 miles in FY 2027 and 30 miles by FY 2029.

| Appropriations (\$ Thousands) |         |         |         |
|-------------------------------|---------|---------|---------|
| Phase                         | Total   | FY 2026 | FY 2027 |
| Planning                      | -       | -       | -       |
| Design                        | 11,997  | 5,685   | 6,312   |
| Construction                  | -       | -       | -       |
| Recurring                     | 201,831 | 94,738  | 107,093 |
| Other                         | -       | -       | -       |
| Total                         | 213,828 | 100,423 | 113,405 |



| Projected Cash Flow (\$ Thousands) |                        |              |           |         |         |         |         |         |         |         |         |         |         |
|------------------------------------|------------------------|--------------|-----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CIP ID                             | Project Title          | Phase        | Total     | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
| 11377                              | Infrastructure Renewal | Design       | 73,517    | 5,685   | 6,312   | 6,501   | 7,180   | 7,396   | 7,618   | 7,846   | 8,081   | 8,324   | 8,574   |
| 11377                              | Infrastructure Renewal | Construction | 1,260,761 | 94,614  | 106,953 | 110,162 | 123,855 | 127,570 | 131,398 | 135,339 | 139,400 | 143,582 | 147,889 |
| 11378                              | Plant Inspection       | Construction | 1,650     | 124     | 140     | 144     | 162     | 167     | 172     | 177     | 182     | 188     | 194     |
| All Projects                       |                        | All Phases   | 1,335,928 | 100,423 | 113,405 | 116,807 | 131,197 | 135,133 | 139,187 | 143,363 | 147,664 | 152,093 | 156,656 |

Award Purpose:

**Pipelines - Distribution System**

Award:

**7000006-Pipeline Relocations**

Lead Department:

Engineering &amp; Construction

Start Year:

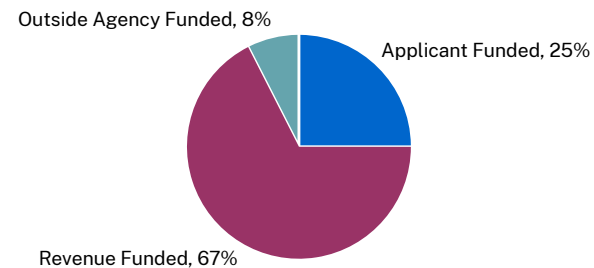
FY 2026

**Award Description**

This project relocates pipelines on an ongoing basis to accommodate projects from other agencies, such as roadway improvements, bridge replacements, or rail system expansions. The work is non-discretionary and complex forecasting is required due to the dependence on other agencies' schedules. The District obligated to commit financial resources to pipeline relocations originating from street improvement projects of most cities and counties. Costs for pipeline relocations driven by private applicants and agencies such as California Department of Transportation (Caltrans) and Bay Area Rapid Transit District (BART), are typically reimbursable. FY 2026 - FY 2030 anticipated work includes design and construction of approximately 1.5 miles of pipeline relocations per year, which includes 0.5 miles of reimbursable and 1.0 miles of non-reimbursable work.

| Appropriations (\$ Thousands) |               |              |              |
|-------------------------------|---------------|--------------|--------------|
| Phase                         | Total         | FY 2026      | FY 2027      |
| Planning                      | 285           | 140          | 144          |
| Design                        | 1,415         | 697          | 718          |
| Construction                  | -             | -            | -            |
| Recurring                     | 12,427        | 6,121        | 6,305        |
| Other                         | -             | -            | -            |
| <b>Total</b>                  | <b>14,127</b> | <b>6,959</b> | <b>7,168</b> |

Funding Sources



| Projected Cash Flow (\$ Thousands) |  |              |         |         |         |         |         |         |         |         |         |         |         |
|------------------------------------|--|--------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CIP ID                             | Project Title                                    | Phase        | Total   | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
| 11381                              | Non-Reimbursable Relocations                     | Planning     | 1,311   | 114     | 118     | 121     | 125     | 129     | 133     | 137     | 141     | 145     | 149     |
| 11381                              | Non-Reimbursable Relocations                     | Design       | 6,553   | 572     | 589     | 606     | 625     | 643     | 663     | 683     | 703     | 724     | 746     |
| 11381                              | Non-Reimbursable Relocations                     | Construction | 57,610  | 5,025   | 5,176   | 5,331   | 5,491   | 5,656   | 5,826   | 6,001   | 6,181   | 6,366   | 6,557   |
| 11382                              | Reimbursable Relocations Non-New Business Office | Planning     | 661     | 58      | 59      | 61      | 63      | 65      | 67      | 69      | 71      | 73      | 75      |
| 11382                              | Reimbursable Relocations Non-New Business Office | Design       | 3,283   | 286     | 295     | 304     | 313     | 322     | 332     | 342     | 352     | 363     | 374     |
| 11382                              | Reimbursable Relocations Non-New Business Office | Construction | 28,811  | 2,513   | 2,589   | 2,666   | 2,746   | 2,829   | 2,913   | 3,001   | 3,091   | 3,184   | 3,279   |
| 11380                              | New Business Office Reimbursable                 | Planning     | 661     | 58      | 59      | 61      | 63      | 65      | 67      | 69      | 71      | 73      | 75      |
| 11380                              | New Business Office Reimbursable                 | Design       | 3,283   | 286     | 295     | 304     | 313     | 322     | 332     | 342     | 352     | 363     | 374     |
| 11380                              | New Business Office Reimbursable                 | Construction | 28,811  | 2,513   | 2,589   | 2,666   | 2,746   | 2,829   | 2,913   | 3,001   | 3,091   | 3,184   | 3,279   |
| All Projects                       |  |              | 130,984 | 11,426  | 11,769  | 12,122  | 12,485  | 12,860  | 13,246  | 13,643  | 14,052  | 14,474  | 14,908  |

Award Purpose:  
**Pipelines - Distribution System**

Award:  
**7000024-Pipeline System Improvements**

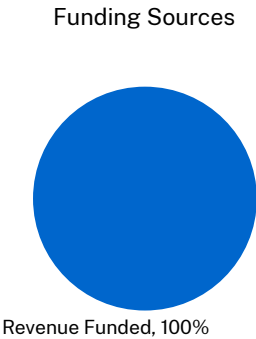
Lead Department:  
Engineering & Construction

Start Year:  
FY 2026

**Award Description**

This is an ongoing effort focused on projects to improve water quality, system performance, capacity, reliability, and maintainability of the distribution system. FY 2024 - FY 2025 work included design for the replacement of the Central Reservoir in Oakland and Almond Reservoir in Castro Valley, as well as construction work at Danville Reservoir in Da. FY 2026 - FY 2030 work will continue to contribute to the remaining 1.5 miles of pipeline system improvements replacements previously identified.

| Appropriations (\$ Thousands) |       |         |         |
|-------------------------------|-------|---------|---------|
| Phase                         | Total | FY 2026 | FY 2027 |
| Planning                      | -     | -       | -       |
| Design                        | 151   | 75      | 77      |
| Construction                  | -     | -       | -       |
| Recurring                     | -     | -       | -       |
| Other                         | -     | -       | -       |
| Total                         | 151   | 75      | 77      |





| Projected Cash Flow (\$ Thousands) |  |              |       |         |         |         |         |         |         |         |         |         |         |
|------------------------------------|--|--------------|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CIP ID                             | Project Title                                    | Phase        | Total | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
| 11087                              | System Improvements                              | Design       | 1,169 | 102     | 105     | 108     | 111     | 115     | 118     | 122     | 125     | 129     | 133     |
| 11301                              | Piedmont Pressure Zone Transmission Improvements | Design       | 399   |         |         |         |         |         |         |         | 399     |         |         |
| 11301                              | Piedmont Pressure Zone Transmission Improvements | Construction | 3,699 |         |         |         |         |         |         |         |         | 3,699   |         |
| All Projects                       |  | All Phases   | 5,267 | 102     | 105     | 108     | 111     | 115     | 118     | 122     | 524     | 3,828   | 133     |

Award Purpose:  
**Pipelines - Distribution System**

Award:  
**7000041-Service Lateral Replacements**

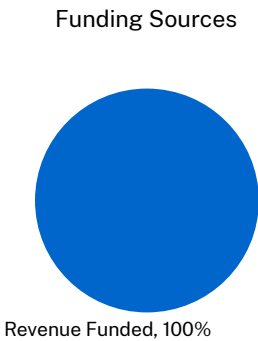
Lead Department:  
Engineering & Construction

Start Year:  
FY 2026

**Award Description**

This award manages all service lateral replacements for planned and unplanned replacements for all service lateral material types. FY 2026 - FY 2030 work includes replacement of approximately 1,200 planned and unplanned service lateral replacements per year.

| Appropriations (\$ Thousands) |        |         |         |
|-------------------------------|--------|---------|---------|
| Phase                         | Total  | FY 2026 | FY 2027 |
| Planning                      | -      | -       | -       |
| Design                        | -      | -       | -       |
| Construction                  | -      | -       | -       |
| Recurring                     | 29,795 | 14,678  | 15,118  |
| Other                         | -      | -       | -       |
| Total                         | 29,795 | 14,678  | 15,118  |



| Projected Cash Flow (\$ Thousands) |                                |              |         |         |         |         |         |         |         |         |         |         |         |
|------------------------------------|--------------------------------|--------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CIP ID                             | Project Title                  | Phase        | Total   | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
| 11386                              | Unplanned Service Replacements | Construction | 168,261 | 14,678  | 15,118  | 15,571  | 16,039  | 16,520  | 17,015  | 17,526  | 18,051  | 18,593  | 19,151  |
|                                    | All Projects                   | All Phases   | 168,261 | 14,678  | 15,118  | 15,571  | 16,039  | 16,520  | 17,015  | 17,526  | 18,051  | 18,593  | 19,151  |

Award Purpose:  
**Pipelines - Transmission**

Award:  
**7000043-Aqueduct Cathodic Protection**

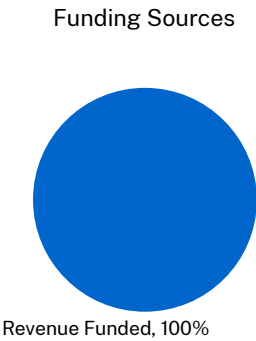
Lead Department:  
Engineering & Construction

Start Year:  
FY 2026

Award Description

This recurring project includes annual investigations and periodic renewal of the Mokelumne Aqueducts' 44 cathodic protection systems (CPS). These systems prevent the corrosion of steel pipelines that come into contact with soil and require periodic replacement of expendable components, such as anode beds and power supplies. FY 2024 - 2025 work includes site evaluations to determine the status of each CPS, prioritization of improvement projects, replacing obsolete and inefficient rectifier power supplies, and improving obsolete deep well anode beds. FY 2026 - FY 2035 work will continue to evaluate, repair, replace, and improve CPS as necessary to maintain aqueduct cathodic protection.

| Appropriations (\$ Thousands) |       |         |         |
|-------------------------------|-------|---------|---------|
| Phase                         | Total | FY 2026 | FY 2027 |
| Planning                      | -     | -       | -       |
| Design                        | -     | -       | -       |
| Construction                  | -     | -       | -       |
| Recurring                     | -     | -       | -       |
| Other                         | -     | -       | -       |
| Total                         | -     | -       | -       |



| Projected Cash Flow (\$ Thousands) |   |              |       |         |         |         |         |         |         |         |         |         |         |
|------------------------------------|---|--------------|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CIP ID                             | Project Title                                     | Phase        | Total | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
| 11032                              | Aqueduct Cathodic Protection Station Improvements | Design       | 913   | 80      | 82      | 84      | 87      | 90      | 92      | 95      | 98      | 101     | 104     |
| 11032                              | Aqueduct Cathodic Protection Station Improvements | Construction | 2,793 | 495     |         | 525     |         | 557     |         | 591     |         | 627     |         |
| All Projects                       |   | All Phases   | 3,706 | 574     | 82      | 609     | 87      | 646     | 92      | 686     | 98      | 727     | 104     |

Award Purpose:

**Pipelines - Transmission**

Award:

**7000254-Large Diameter Pipelines**

Lead Department:

Engineering &amp; Construction

Start Year:

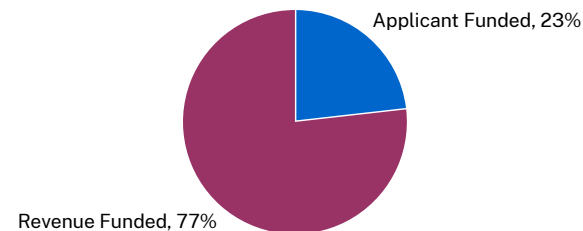
FY 2036

**Award Description**

Large diameter transmission pipelines form the backbone of the distribution system. This project replaces existing transmission pipelines that are at risk of failure and install transmission pipelines to improve the water system. FY 2024 - FY 2025 work included the completion of Oakland Inner Harbor Crossing and Wildcat El Cerrito pipeline construction. Completion of Summit PZ Phase 2A design anticipated for FY 2025. FY 2026 - FY 2030 work includes construction of Summit PZ Phase 2A; completion of design; construction of San Leandro Channel Crossing, Summit PZ Phase 2B, and Crockett Aqueduct Relocation; completion of design of South 54 Pipeline, Montana Pipeline, Summit Phase 3, and Summit PZ Phase 4; and start of design of Tidal Canal Crossing. Projects beyond FY 2030 include Tidal Canal Crossing, South 30 Pipeline Improvements, Sequoia Pipeline, Genoa Pipeline, Central PZ Pipelines, Crockett Pumping Plant Discharge Pipeline, Acalanes Aqueduct, and other replacement projects to be identified in the FY 2030 Large Diameter Pipeline Master Plan update.

| Appropriations (\$ Thousands) |              |              |          |
|-------------------------------|--------------|--------------|----------|
| Phase                         | Total        | FY 2026      | FY 2027  |
| Planning                      | -            | -            | -        |
| Design                        | 4,182        | 4,182        | -        |
| Construction                  | -            | -            | -        |
| Recurring                     | -            | -            | -        |
| Other                         | -            | -            | -        |
| <b>Total</b>                  | <b>4,182</b> | <b>4,182</b> | <b>-</b> |

Funding Sources



## Projected Cash Flow (\$ Thousands)

| CIP ID       | Project Title   | Phase        | Total   | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
|--------------|---|--------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 11330        | Crockett Aqueduct Relocation  | Design       | 4,182   | 2,060   | 2,122   |         |         |         |         |         |         |         |         |
| 11330        | Crockett Aqueduct Relocation  | Construction | 33,372  |         |         | 13,113  | 20,259  |         |         |         |         |         |         |
| 11072        | East 10th St, Hegenberger Rd and Summit Pressure Zone Transmission Phase 2A | Construction | 3,526   | 936     | 2,590   |         |         |         |         |         |         |         |         |
| 11070        | Summit Pressure Zone Transmission Phase 2B                                  | Design       | 836     | 412     | 424     |         |         |         |         |         |         |         |         |
| 11070        | Summit Pressure Zone Transmission Phase 2B                                  | Construction | 10,010  |         |         |         | 5,372   | 4,637   |         |         |         |         |         |
| 11069        | San Leandro Channel (Alameda Crossing 2)                                    | Design       | 1,030   | 1,030   |         |         |         |         |         |         |         |         |         |
| 11069        | San Leandro Channel (Alameda Crossing 2)                                    | Construction | 20,924  | 936     | 10,359  | 9,629   |         |         |         |         |         |         |         |
| 11331        | Sequoia Aqueduct Pipeline   | Design       | 7,603   |         |         |         |         |         |         | 2,460   | 2,534   | 2,610   |         |
| 11331        | Sequoia Aqueduct Pipeline   | Construction | 20,159  |         |         |         |         |         |         |         |         |         | 20,159  |
| 11333        | Montana Pipeline  | Design       | 1,771   |         | 430     | 885     | 456     |         |         |         |         |         |         |
| 11333        | Montana Pipeline  | Construction | 15,036  |         |         |         |         |         | 7,164   | 7,871   |         |         |         |
| 11334        | Summit Pressure Zone Transmission Phase 3                                   | Design       | 929     |         | 265     | 382     | 281     |         |         |         |         |         |         |
| 11335        | Summit Pressure Zone Transmission Phase 4                                   | Design       | 719     | 309     | 318     | 92      |         |         |         |         |         |         |         |
| 11339        | Tidal Canal (Alameda Crossing 3)  | Design       | 3,225   |         |         |         |         | 1,043   | 1,075   | 1,107   |         |         |         |
| 11341        | Large Diameter Pipeline Master Plan   | Planning     | 203     |         |         |         |         |         | 203     |         |         |         |         |
| 11342        | South 54 Pipeline   | Design       | 3,683   | 1,545   | 1,591   | 546     |         |         |         |         |         |         |         |
| 11342        | South 54 Pipeline   | Construction | 34,585  |         |         |         |         |         |         | 2,460   | 16,468  | 15,657  |         |
| All Projects |   | All Phases   | 189,552 | 7,228   | 18,099  | 24,648  | 26,369  | 5,680   | 8,442   | 16,357  | 21,535  | 20,876  | 40,317  |

Award Purpose:  
**Pipelines - Transmission**

Award:  
**7000055-Transmission Main Cathodic Protection**

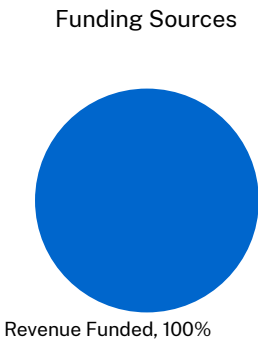
Lead Department:  
Engineering & Construction

Start Year:  
FY 2026

Award Description

This project will investigate and prioritize cathodic protection (CP) upgrades for transmission mains and large diameter pipelines and reconfigure obsolete CP systems. FY 2026 work will include CP improvements to 6 transmission pipeline CP systems - O'Hatch, Juana, Holmes, Russ Avenue, 4th Street and the 84-inch WCTP effluent pipeline. FY 2027 work will include CP improvements to 6 transmission pipeline CP systems - O'Hatch, Juana, Holmes, Russ Avenue, 4th Street and the 84-inch WCTP effluent pipeline.

| Appropriations (\$ Thousands) |       |         |         |
|-------------------------------|-------|---------|---------|
| Phase                         | Total | FY 2026 | FY 2027 |
| Planning                      | -     | -       | -       |
| Design                        | 160   | 79      | 81      |
| Construction                  | 2,162 | -       | 2,162   |
| Recurring                     | -     | -       | -       |
| Other                         | -     | -       | -       |
| Total                         | 2,321 | 79      | 2,243   |





| Projected Cash Flow (\$ Thousands) |   |              |       |         |         |         |         |         |         |         |         |         |         |
|------------------------------------|---|--------------|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CIP ID                             | Project Title                                 | Phase        | Total | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
| 11104                              | Transmission Main Cathodic Protection Station | Design       | 1,749 | 153     | 157     | 162     | 167     | 172     | 177     | 182     | 188     | 193     | 199     |
| 11104                              | Transmission Main Cathodic Protection Station | Construction | 4,194 |         | 743     |         | 788     |         | 836     |         | 887     |         | 941     |
| All Projects                       |   | All Phases   | 5,943 | 153     | 900     | 162     | 955     | 172     | 1,013   | 182     | 1,074   | 193     | 1,140   |

Award Purpose:

## Pressure Zone Studies

Award:

### 7000215-Distribution System Upgrades

Lead Department:

Engineering &amp; Construction

Start Year:

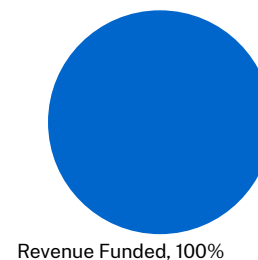
FY 2026

### Award Description

This is an ongoing project to improve distribution system resilience, customer level of service, address maintenance issues, and meet regulatory requirements for pipeline construction. This project includes rezonings, service relocations, cultural resources support, and distribution system valve improvements. Rezonings are projects that rezone pipelines and customers to a higher pressure zone to improve level of service and water system operations. Projects come from a prioritized list of potential rezonings resulting from distribution system operational issues and/or verified customer complaints. Service relocations facilitate the abandonment of pipelines located in difficult to maintain rights-of-way. Cultural resources consultants provide on-call cultural and paleontological resource management support for planned and unplanned work, including site studies and unanticipated discoveries. The distribution system valve improvements include the design and installation of distribution system isolation valves based on the recommendations of the District System Valve Study to reduce the magnitude and duration of customer outages during pipeline shutdowns and improve distribution system resilience. FY 2024 - FY 2025 accomplishments include established standardized valve installation methods, developing a method to prioritize installations, piloting installation of approximately eight new valves, approximately 20 cultural and paleontological resource detailed investigations, five rezonings and five service relocations. Planned work for FY 2026 - FY 2030 includes plan design and installation of additional distribution valves, and completion of the Withers Reservoir Service Relocations and one or more rezoning.

| Appropriations (\$ Thousands) |            |            |            |
|-------------------------------|------------|------------|------------|
| Phase                         | Total      | FY 2026    | FY 2027    |
| Planning                      | 240        | 105        | 135        |
| Design                        | 332        | 163        | 168        |
| Construction                  | -          | -          | -          |
| Recurring                     | -          | -          | -          |
| Other                         | -          | -          | -          |
| <b>Total</b>                  | <b>572</b> | <b>269</b> | <b>303</b> |

Funding Sources



| Projected Cash Flow (\$ Thousands) |                                       |              |       |         |         |         |         |         |         |         |         |         |         |
|------------------------------------|---------------------------------------|--------------|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CIP ID                             | Project Title                         | Phase        | Total | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
| 11065                              | Cultural Resources                    | Planning     | 1,181 | 103     | 106     | 109     | 113     | 116     | 119     | 123     | 127     | 130     | 134     |
| 11064                              | Valve Improvements Project            | Planning     | 2,174 | 127     | 202     | 208     | 214     | 220     | 227     | 234     | 241     | 248     | 255     |
| 11064                              | Valve Improvements Project            | Design       | 5,077 | 443     | 456     | 470     | 484     | 498     | 513     | 529     | 545     | 561     | 578     |
| 11066                              | Withers Reservoir Service Relocations | Construction | 146   |         |         |         | 146     |         |         |         |         |         |         |
| 11343                              | Pressure Zone Rezonings               | Planning     | 634   | 56      | 57      | 58      | 60      | 63      | 64      | 66      | 68      | 70      | 71      |
|                                    | All Projects                          | All Phases   | 9,213 | 728     | 821     | 845     | 1,016   | 897     | 924     | 952     | 980     | 1,010   | 1,039   |

Award Purpose:  
**Pressure Zone Studies**

Award:  
**7000271-Miscellaneous Planning Studies**

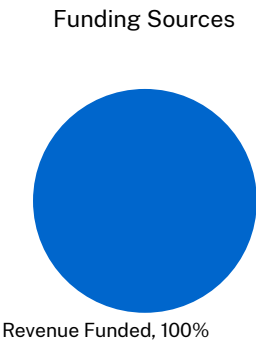
Lead Department:  
Engineering & Construction

Start Year:  
FY 2026

**Award Description**

This is an ongoing project to improve workflows and support decision-making for infrastructure planning and prioritization, and to optimize operations for energy, water quality, and emergency preparedness. This project includes Enterprise Hydraulic Modeling to develop and maintain hydraulic models and the Demand Study to maintain and update demand projections. In FY 2024 - FY 2025 accomplishments included ongoing administration of the hydraulic models and demand projections and completion of the Mid-Cycle Update of the 2050 Demand Study to support the 2025 Urban Water Management Plan. Planned work for FY 2026 - FY 2030 includes ongoing administration of the hydraulic models and demand projections, as-needed updates to the hydraulic models to account for system changes, and a major update to the demand projections as part of the 2060 Demand Study to account for recent and future development and water consumption trends and extend the projection by 10 years.

| Appropriations (\$ Thousands) |       |         |         |
|-------------------------------|-------|---------|---------|
| Phase                         | Total | FY 2026 | FY 2027 |
| Planning                      | 3,530 | 15      | 3,515   |
| Design                        | -     | -       | -       |
| Construction                  | -     | -       | -       |
| Recurring                     | -     | -       | -       |
| Other                         | -     | -       | -       |
| Total                         | 3,530 | 15      | 3,515   |



| Projected Cash Flow (\$ Thousands) |                               |            |       |         |         |         |         |         |         |         |         |         |         |
|------------------------------------|-------------------------------|------------|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CIP ID                             | Project Title                 | Phase      | Total | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
| 11074                              | Enterprise Hydraulic Modeling | Planning   | 415   | 26      | 27      | 55      | 56      | 29      | 30      | 31      | 63      | 65      | 34      |
| 11075                              | Demand Study                  | Planning   | 3,429 | 22      | 416     | 1,193   | 552     | 455     | 25      | 26      | 282     | 429     | 28      |
| All Projects                       |                               | All Phases | 3,844 | 48      | 443     | 1,248   | 609     | 484     | 55      | 57      | 345     | 494     | 62      |

Award Purpose:  
**Pressure Zone Studies**

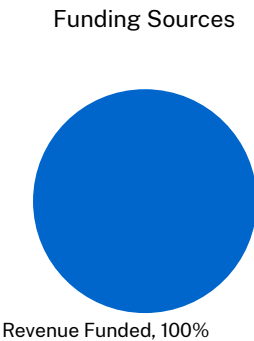
Award:  
**7000065-Pressure Zone Improvements**

|                            |             |
|----------------------------|-------------|
| Lead Department:           | Start Year: |
| Engineering & Construction | FY 2026     |

**Award Description**

This is an ongoing project to develop and prioritize infrastructure improvement recommendations to address pressure zone (PZ) operations. The project includes the Resilient Network Study and blueprints to improve the recovery of water service after a major seismic event by identifying locations for high reliability pipelines, the Collaborative Hol Pipeline Plan (CHPP) to develop a blueprint for each pressure zone to inform the selection and sizing of water distribution system pipelines and facilities, the Pumping Plant Criticality Study to determine the criticality of distribution pumping plants, and PZ Studies to recommend improvements to address pressure zone and regional operations. F - FY 2025 accomplishments included the East of Hills System Study (EOHSS) Lafayette WTP Facility Plan, completion of approximately 70 percent of the CHPP PZ blueprint, completion of the Resilient Network Study, completion of approximately 15 percent of Resilient Network blueprints, completion of the Swainland Reservoir planning study, a update to the Distribution System Master Plan. Planned work for FY 2026 - FY 2030 include completion of the EOHSS Alternative Supply Facility Plan, Maloney PZ Planning Lake Chabot Golf Course service relocation, Joaquin Miller Pumping Plant planning study, Lawrence Reservoir planning study, update to the Pumping Plant Criticality Study, the completion of the remaining 30 percent of the CHPP PZ blueprints and remaining 85 percent of the Resilient Network blueprints.

| Appropriations (\$ Thousands) |       |         |         |
|-------------------------------|-------|---------|---------|
| Phase                         | Total | FY 2026 | FY 2027 |
| Planning                      | -     | -       | -       |
| Design                        | -     | -       | -       |
| Construction                  | -     | -       | -       |
| Recurring                     | -     | -       | -       |
| Other                         | -     | -       | -       |
| Total                         | -     | -       | -       |



| Projected Cash Flow (\$ Thousands) |   |              |       |         |         |         |         |         |         |         |         |         |         |
|------------------------------------|---|--------------|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CIP ID                             | Project Title                                     | Phase        | Total | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
| 11090                              | CHPP  | Planning     | 2,945 | 940     | 1,007   | 251     | 259     | 75      | 78      | 80      | 82      | 85      | 87      |
| 11093                              | Chabot Golf Course Service Relocation             | Construction | 563   |         |         |         | 563     |         |         |         |         |         |         |
| 11092                              | Maloney Pressure Zone Improvements Planning Study | Planning     | 422   | 422     |         |         |         |         |         |         |         |         |         |
| 11298                              | Summit Pressure Zone Study                        | Planning     | 242   |         |         | 119     | 123     |         |         |         |         |         |         |
| 11299                              | Pumping Plant Criticality                         | Planning     | 249   |         |         |         | 123     | 127     |         |         |         |         |         |
| 11300                              | New Pressure Zone Studies                         | Planning     | 1,181 | 103     | 106     | 109     | 113     | 116     | 119     | 123     | 127     | 130     | 134     |
| All Projects                       |   | All Phases   | 5,602 | 1,466   | 1,113   | 480     | 1,180   | 318     | 197     | 203     | 209     | 215     | 222     |

Award Purpose:  
Pressure Zone Studies

Award:  
7000224-West of Hills Master Plan

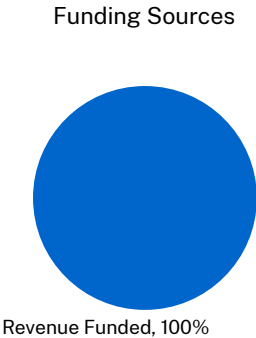
Lead Department:  
Engineering & Construction

Start Year:  
FY 2028

Award Description

The West of Hills (WOH) Master Plan is a comprehensive regional plan that addresses water treatment plant storage and transmission capacity for the WOH area, focusing on Central, Aqueduct, and Upper San Leandro Pressure Zones. The WOH Master Plan recommended improvements at three water treatment plants, two pumping plants, five water storage reservoirs, and approximately 120,000 feet of transmission pipelines. In FY 2019, an additional project recommended to decommission the San Pablo Water Treatment Plant (WTP). The WOH Master Plan project includes completing the environmental documentation for the recommended improvements. Individual projects will be consolidated into several Environmental Impact Reports (EIR), Mitigated Negative Declarations (MND), and Notice of Exemptions (NOE). In FY 2024 – FY 2025, the Wildcat Pumping Plant (PP) MND and Sobrante Water Treatment Plant (WTP) EIR completed, and WOH Central Pipelines MND began. Planned work for FY 2026 - FY 2030 includes completing the WOH Central Pipelines MND and WOH Southern Pipelines EIR.

| Appropriations (\$ Thousands) |       |         |         |
|-------------------------------|-------|---------|---------|
| Phase                         | Total | FY 2026 | FY 2027 |
| Planning                      | 59    | 59      | -       |
| Design                        | -     | -       | -       |
| Construction                  | -     | -       | -       |
| Recurring                     | -     | -       | -       |
| Other                         | -     | -       | -       |
| Total                         | 59    | 59      | -       |





| Projected Cash Flow (\$ Thousands) |   |            |       |         |         |         |         |         |         |         |         |         |         |
|------------------------------------|---|------------|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CIP ID                             | Project Title   | Phase      | Total | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
| 11112                              | Sobrante Water Treatment Plant Improvements Environmental Impact Report | Planning   | 77    | 77      |         |         |         |         |         |         |         |         |         |
| 11337                              | West of Hills Central Pipelines Environmental Impact Report             | Planning   | 377   | 377     |         |         |         |         |         |         |         |         |         |
| 11340                              | South 30 Pipeline Improvement   | Planning   | 2,599 |         |         | 477     | 1,045   | 1,076   |         |         |         |         |         |
| All Projects                       |   | All Phases | 3,053 | 454     |         | 477     | 1,045   | 1,076   |         |         |         |         |         |

Award Purpose:  
**Process & System-Wide Improvements**

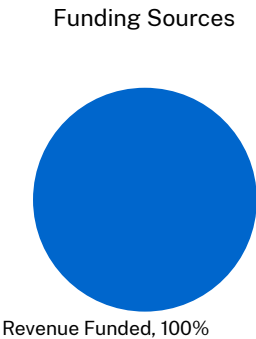
Award:  
**7000200-HRIS Replacement**

|                      |             |
|----------------------|-------------|
| Lead Department:     | Start Year: |
| Information Services | FY 2026     |

Award Description

The PeopleSoft Human Resources Information System (HRIS) is reaching the end of its useful life and support for the product is limited. Loss of support would increase the risk of failure of the District's human resources (HR) functions and make it difficult to implement required tax and regulatory updates. This project is a joint effort of the Information Systems, Human Resources and user departments to replace the HRIS system. The project will be delivered in two phases: Phase 1 will replace the Retirement System; Phase 2 will replace the Core HR functionality and retire the PeopleSoft system.

| Appropriations (\$ Thousands) |       |         |         |
|-------------------------------|-------|---------|---------|
| Phase                         | Total | FY 2026 | FY 2027 |
| Other                         | 8,070 | 2,766   | 5,305   |
| Total                         | 8,070 | 2,766   | 5,305   |



| Projected Cash Flow (\$ Thousands) |  |              |        |         |         |         |         |         |         |         |         |         |         |
|------------------------------------|--|--------------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CIP ID                             | Project Title                                    | Phase        | Total  | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
| 11409                              | Human Resources Information System Core Software | Construction | 13,534 | 2,766   | 5,305   | 5,464   |         |         |         |         |         |         |         |
|                                    | All Projects                                     | All Phases   | 13,534 | 2,766   | 5,305   | 5,464   |         |         |         |         |         |         |         |

Award Purpose:

**Process & System-Wide Improvements**

Award:

**New-Information Technology**

Lead Department:

Information Services

Start Year:

FY 2026

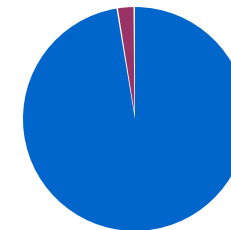
**Award Description**

In this budget cycle, the District has consolidated its information technology projects into a single capital allocation. A major focus of this initiative is enhancing the District's capabilities by migrating on-premise data center systems – including servers, storage, and applications – to the cloud. This transition builds upon existing cloud services and essential for infrastructure modernization, business continuity, and strengthening organizational security and resiliency. As the District expands its adoption of cloud service additional security layers will be implemented to protect systems, applications, and data. However, existing server and data storage equipment needs refreshed on an ongoing basis to keep up to date. Near-term software projects include continuing implementation of a modernized pension management system, upgrading payroll software, and a new maintenance management system. Additional technology improvements over the next 10 years include the implementation of a new core human resources system as well as customer information system.

| Appropriations (\$ Thousands) |               |              |              |
|-------------------------------|---------------|--------------|--------------|
| Phase                         | Total         | FY 2026      | FY 2027      |
| Planning                      | -             | -            | -            |
| Design                        | -             | -            | -            |
| Construction                  | 3,417         | 1,560        | 1,856        |
| Recurring                     | -             | -            | -            |
| Other                         | 11,839        | 5,543        | 6,296        |
| <b>Total</b>                  | <b>15,256</b> | <b>7,104</b> | <b>8,152</b> |

Funding Sources

Outside Agency Funded, 3%



Revenue Funded, 97%

## Projected Cash Flow (\$ Thousands)

| CIP ID       | Project Title                                       | Phase        | Total  | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
|--------------|---|--------------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 11173        | Computerized Maintenance Management System Software | Construction | 17,784 | 1,030   | 5,305   | 11,450  |         |         |         |         |         |         |         |
| 11174        | Human Resources Pension Software                    | Construction | 1,648  | 1,648   |         |         |         |         |         |         |         |         |         |
| 11175        | Voiceover Internet Protocol (VoIP) Software         | Construction | 1,476  | 129     | 133     | 137     | 141     | 145     | 149     | 154     | 158     | 163     | 168     |
| 11397        | Data Backup and Retention                           | Construction | 779    |         |         | 119     | 152     |         | 143     |         | 160     | 204     |         |
| 11398        | Data Capture/Analysis and Traffic Management        | Construction | 769    |         | 79      | 239     | 89      |         | 100     |         | 263     |         |         |
| 11399        | Data Center Network Equipment Replacement           | Construction | 353    |         | 353     |         |         |         |         |         |         |         |         |
| 11401        | Cloud Infrastructure Services                       | Construction | 1,560  | 1,030   | 530     |         |         |         |         |         |         |         |         |
| 11402        | Firewall Refresh                                    | Construction | 773    | 773     |         |         |         |         |         |         |         |         |         |
| 11403        | Network Switch, Router, and Wireless Replacement    | Construction | 1,670  | 244     | 169     | 179     | 101     |         | 214     | 348     |         |         | 415     |
| 11404        | Server Equipment Replacement                        | Construction | 3,027  | 258     |         | 492     |         | 209     | 418     | 369     | 1,013   |         | 269     |
| 11405        | Storage Equipment Replacement                       | Construction | 5,449  | 618     | 690     | 246     | 253     | 261     | 1,702   | 799     | 285     | 294     | 302     |
| 11406        | Upcountry Microwave System Replacement              | Construction | 2,338  | 1,015   |         |         |         |         |         |         |         |         | 1,324   |
| 11407        | Voice Services Migration to Cloud                   | Construction | 735    |         | 506     |         |         |         | 228     |         |         |         |         |
| 11408        | Computer Information System Replacement             | Construction | 22,533 |         |         | 2,213   | 6,149   | 6,524   | 6,921   | 726     |         |         |         |
| 11410        | Payroll Software                                    | Construction | 1,478  | 1,478   |         |         |         |         |         |         |         |         |         |
| All Projects |   | All Phases   | 62,372 | 8,221   | 7,764   | 15,074  | 6,885   | 7,138   | 9,874   | 2,396   | 1,880   | 661     | 2,478   |

Award Purpose:  
**Process & System-Wide Improvements**

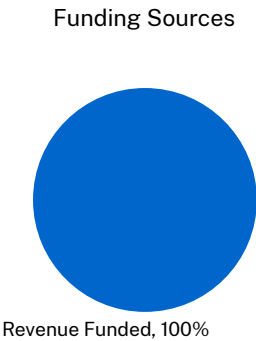
Award:  
**7000029-Op/Net System Improvements**

|                  |             |
|------------------|-------------|
| Lead Department: | Start Year: |
| Water Operations | FY 2026     |

Award Description

This project consists of ongoing component upgrades and replacements for the OP/NET System to ensure that it reliably and securely obtains water system information and process data to system operators, engineers, and planners. The OP/NET System includes the Security System, Supervisory Control and Data Acquisition (SCADA) system, wi and wireless communication networks, monitoring and control equipment at over 300 facilities, and distributed control systems (DCS) to provide operations staff with the ab control and monitor water production, treatment, distribution, hydroelectric power generation and field facilities. Hardware, software, and components need replacements ai upgrades to ensure reliability and security. In FY 2026 - FY 2027, the core SCADA system will get upgraded with new hardware and software to ensure up-to-date security ai features. As cybersecurity concern rises across the country, an up-to-date SCADA system assures the District will receive the latest patches to any vulnerabilities. In additio SCADA display will also get updated to incorporate latest industry standards.

| Appropriations (\$ Thousands) |       |         |         |
|-------------------------------|-------|---------|---------|
| Phase                         | Total | FY 2026 | FY 2027 |
| Planning                      | -     | -       | -       |
| Design                        | -     | -       | -       |
| Construction                  | -     | -       | -       |
| Recurring                     | 2,050 | 650     | 1,400   |
| Other                         | -     | -       | -       |
| Total                         | 2,050 | 650     | 1,400   |



| Projected Cash Flow (\$ Thousands) |  |              |        |         |         |         |         |         |         |         |         |         |         |
|------------------------------------|--|--------------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CIP ID                             | Project Title  | Phase        | Total  | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
| 11143                              | Supervisory Control and Data Acquisition System Upgrades | Construction | 5,472  | 371     | 1,549   | 448     | 405     | 417     | 430     | 443     | 456     | 470     | 484     |
| 11144                              | Control System Improvements                              | Recurring    | 7,203  | 628     | 647     | 667     | 687     | 707     | 728     | 750     | 773     | 796     | 820     |
| All Projects                       |  | All Phases   | 12,675 | 999     | 2,196   | 1,115   | 1,092   | 1,124   | 1,158   | 1,193   | 1,229   | 1,266   | 1,304   |

Award Purpose:  
**Process & System-Wide Improvements**

Award:  
**7000165-Planned Meter Replacements**

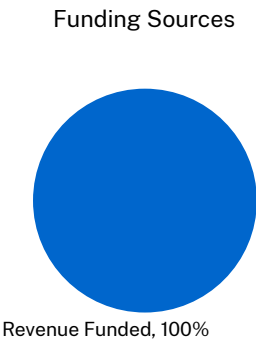
Lead Department:  
Maintenance & Construction

Start Year:  
FY 2026

Award Description

This ongoing project replaces water meters and meter boxes at the end of their useful lives, and replaces meters believed to be reading inaccurately. Currently, the District has a twenty-year meter replacement cycle plan. In FY 2024, approximately 10,751 residential meters, 869 small commercial meters, 87 large commercial meters and 102 fire service meters replaced.

| Appropriations (\$ Thousands) |       |         |         |
|-------------------------------|-------|---------|---------|
| Phase                         | Total | FY 2026 | FY 2027 |
| Planning                      | 6,500 | 3,000   | 3,500   |
| Design                        | -     | -       | -       |
| Construction                  | -     | -       | -       |
| Recurring                     | 1,519 | 742     | 777     |
| Other                         | -     | -       | -       |
| Total                         | 8,019 | 3,742   | 4,277   |





| Projected Cash Flow (\$ Thousands) |                            |              |        |         |         |         |         |         |         |         |         |         |         |
|------------------------------------|----------------------------|--------------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CIP ID                             | Project Title              | Phase        | Total  | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
| 11394                              | Planned Meter Replacements | Construction | 69,727 | 5,580   | 5,845   | 6,556   | 6,753   | 6,956   | 7,164   | 7,379   | 7,601   | 7,829   | 8,063   |
|                                    | All Projects               | All Phases   | 69,727 | 5,580   | 5,845   | 6,556   | 6,753   | 6,956   | 7,164   | 7,379   | 7,601   | 7,829   | 8,063   |

Award Purpose:  
**Process & System-Wide Improvements**

Award:  
**7000085-Security Improvements**

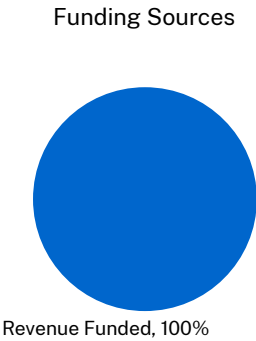
Lead Department:  
Engineering & Construction

Start Year:  
FY 2026

**Award Description**

Security Improvements addresses physical security improvements to facilities. Major projects include the Adeline Maintenance Center Campus Security Improvements and Administration Building 1st-Floor Ballistics-Resistant Window System and Security Camera Upgrades. FY 2024 - FY 2025 work included the Administration Building Building Floor Ballistics-Resistant Window System and Security Camera Upgrades, as well as on-going operational security improvements, security consultant design support, and America Water Infrastructure Act reporting. FY 2026 - FY 2027 work includes planning improvements for aqueduct facilities, design of the Adeline Maintenance Center Campus Security Improvements Phase II and water treatment plant security improvements, and construction of the Adeline Maintenance Center Campus Security Improvements Phase I, as well as on-going operational security improvements and security consultant design support. FY 2028 - FY 2035 work includes planning and design for the Administration Building Long Term Security Improvements, South Area Service Center Service Center Security Improvements, Casteneda Yard Service Center Security Improvements, Aqueduct Watershed Facilities, Distribution Facilities, Upcountry Facilities, and Water Treatment Plant Facilities, construction of the Adeline Maintenance Center Campus Security Improvements II, as well as on-going operational security improvements, security consultant design support, and America Water Infrastructure Act reporting.

| Appropriations (\$ Thousands) |       |         |         |
|-------------------------------|-------|---------|---------|
| Phase                         | Total | FY 2026 | FY 2027 |
| Planning                      | -     | -       | -       |
| Design                        | -     | -       | -       |
| Construction                  | -     | -       | -       |
| Recurring                     | -     | -       | -       |
| Other                         | -     | -       | -       |
| Total                         | -     | -       | -       |



| Projected Cash Flow (\$ Thousands) |               |              |        |         |         |         |         |         |         |         |         |         |         |
|------------------------------------|---------------|--------------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CIP ID                             | Project Title | Phase        | Total  | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
| 11233                              | Security      | Planning     | 762    | 133     | 71      | 27      | 100     | 77      | 119     | 59      |         | 87      | 89      |
| 11233                              | Security      | Design       | 5,915  | 1,044   | 1,235   | 617     | 682     | 298     | 307     | 400     | 754     | 342     | 235     |
| 11233                              | Security      | Construction | 20,647 | 1,801   | 3,358   | 5,731   | 4,448   | 987     | 881     | 98      | 101     | 1,320   | 1,920   |
| All Projects                       |               | All Phases   | 27,323 | 2,978   | 4,665   | 6,375   | 5,230   | 1,362   | 1,307   | 557     | 855     | 1,749   | 2,244   |

Award Purpose:

## Process & System-Wide Improvements

Award:

### 7000325-Water Loss Control

Lead Department:

Maintenance &amp; Construction

Start Year:

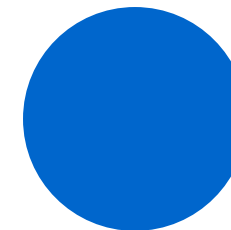
FY 2026

### Award Description

This project supports compliance associated with California Senate Bill 555, Water Loss Management. The project is composed of activities to reduce apparent and real water losses through meter replacement, leak detection, and pressure management. Previous accomplishments included doubling the size of the automated acoustic leak detection network, meeting the key performance indicator for the infrastructure leakage index, completion of a Metering Improvements Plan, and commencement of the first water loss master plan. Planned work in FY 2026 - FY 2028 includes completion of the design phases of improvements to flow meters for water treatment plants and large customers, completion of the water loss control master plan, completion of two manual leak detection surveys, and annual verification of water treatment plant flow rates to improve the accuracy of the water audit. Planned work in FY 2029 - FY 2035 includes completion of construction of improvements to flow meters for additional large customers and compliance with the State Water Resources Control Board's regulatory limit for water loss.

| Appropriations (\$ Thousands) |              |              |              |
|-------------------------------|--------------|--------------|--------------|
| Phase                         | Total        | FY 2026      | FY 2027      |
| Planning                      | 203          | 100          | 103          |
| Design                        | -            | -            | -            |
| Construction                  | -            | -            | -            |
| Recurring                     | 6,400        | 2,750        | 3,650        |
| Other                         | -            | -            | -            |
| <b>Total</b>                  | <b>6,603</b> | <b>2,850</b> | <b>3,753</b> |

Funding Sources



Revenue Funded, 100%

| Projected Cash Flow (\$ Thousands) |  |              |        |         |         |         |         |         |         |         |         |         |         |
|------------------------------------|--|--------------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CIP ID                             | Project Title  | Phase        | Total  | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
| 11170                              | Water Treatment Plant, Effluent Meter, and Rate Control Station Improvements | Planning     | 929    |         | 57      |         | 182     | 690     |         |         |         |         |         |
| 11170                              | Water Treatment Plant, Effluent Meter, and Rate Control Station Improvements | Design       | 591    |         |         | 591     |         |         |         |         |         |         |         |
| 11170                              | Water Treatment Plant, Effluent Meter, and Rate Control Station Improvements | Construction | 17,459 | 3,285   | 4,830   | 3,676   | 707     | 763     | 2,068   | 2,130   |         |         |         |
| 11171                              | Water Loss Control Project   | Planning     | 1,960  | 155     | 159     | 251     | 169     | 174     | 179     | 184     | 291     | 196     | 202     |
| 11171                              | Water Loss Control Project   | Construction | 21,944 | 766     | 844     | 795     | 3,553   | 3,660   | 2,525   | 2,601   | 2,679   | 2,227   | 2,294   |
| All Projects                       |  | All Phases   | 42,884 | 4,205   | 5,891   | 5,314   | 4,611   | 5,286   | 4,773   | 4,916   | 2,970   | 2,423   | 2,495   |

Award Purpose:

Pumping Plants

Award:

7000033-Pumping Plant Rehabilitation

Lead Department:

Engineering & Construction

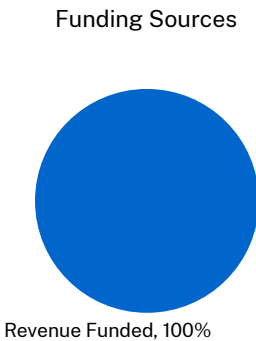
Start Year:

FY 2036

Award Description

The Distribution Pumping Plant Infrastructure Rehabilitation Plan (IRP), updated in 2024, identifies the highest priority pumping plants (PP) for rehabilitation, replacement, or demolition. In FY 2025, construction contracts were awarded for the replacement of Crest, Hill Mutual, Ridgewood and Fay Hill PPs. FY 2026 - FY 2030 work includes planning, design, and/or construction at 27 of the 130 distribution PPs, including: Westside, Encinal, Madrone, Palo Seco, Fay Hill, Ridgewood, Crest, Hill Mutual, Bryant PP Power Reliability, Montclair, Proctor, Dos Osos, Summit West, Aqueduct, Berryman West, Castenada, Welle, Rolph, Fontaine, Larkey, Los Altos, Crockett, Valory, Summit North, Dona Pearl, and Stott PPs. New facilities that include planning, design, and/or construction work in FY 2026 - FY 2030 include Happy Valley, Sunnyside, Wildcat, Tice, and Withers. In FY 2030 - FY 2035 work will begin at the existing Quarry, Bryant No. 1 and 2 Pumping Plants.

| Appropriations (\$ Thousands) |       |         |         |
|-------------------------------|-------|---------|---------|
| Phase                         | Total | FY 2026 | FY 2027 |
| Planning                      | 2,422 | 2,222   | 201     |
| Design                        | 6,789 | 4,028   | 2,761   |
| Construction                  | 14    | 14      | -       |
| Recurring                     | -     | -       | -       |
| Other                         | -     | -       | -       |
| Total                         | 9,226 | 6,264   | 2,962   |



| Projected Cash Flow (\$ Thousands) |   |              |        |         |         |         |         |         |         |         |         |         |         |
|------------------------------------|---|--------------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CIP ID                             | Project Title   | Phase        | Total  | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
| 11164                              | Happy Valley and Sunnyside Pumping Plants, and Happy Valley Pipelines Phase 2 Improvements  | Construction | 24     | 24      |         |         |         |         |         |         |         |         |         |
| 11094                              | Welle Reservoir Replacement, Rolph and Welle Pumping Plant and Rolph Reservoir Demo   | Planning     | 825    | 825     |         |         |         |         |         |         |         |         |         |
| 11094                              | Welle Reservoir Replacement, Rolph and Welle Pumping Plant and Rolph Reservoir Demo   | Design       | 3,793  |         |         | 1,290   | 1,233   | 1,270   |         |         |         |         |         |
| 11094                              | Welle Reservoir Replacement, Rolph and Welle Pumping Plant and Rolph Reservoir Demo   | Construction | 28,641 |         |         |         |         |         | 4,146   | 14,233  | 10,262  |         |         |
| 11293                              | Fontaine Pumping Plant Relocation   | Design       | 4,416  |         | 1,516   | 2,900   |         |         |         |         |         |         |         |
| 11293                              | Fontaine Pumping Plant Relocation   | Construction | 4,042  |         |         |         |         |         |         |         |         |         | 4,042   |
| 11158                              | Valory Pumping Plant Rehabilitation   | Planning     | 981    | 240     | 741     |         |         |         |         |         |         |         |         |
| 11158                              | Valory Pumping Plant Rehabilitation   | Design       | 1,872  |         |         | 643     | 1,229   |         |         |         |         |         |         |
| 11162                              | Madrone and Palo Seco Pumping Plants  | Construction | 2,692  | 2,575   | 117     |         |         |         |         |         |         |         |         |
| 11166                              | Westside Pumping Plant Relocation, Encinal Regulator Installation, Encinal Reservoir and Pumping Plant Demolition                       | Construction | 14,114 | 4,566   | 4,703   | 4,844   |         |         |         |         |         |         |         |
| 11165                              | Fay Hill, Rheem, and Scenic East Pumping Plants; Fay Hill Reservoir and Pipeline; Ridgewood Regulator, Pumping Plant, and Pressure Tank | Construction | 24,225 | 13,281  | 10,944  |         |         |         |         |         |         |         |         |
| 11157                              | Pumping Plant Facility Assessment   | Planning     | 727    | 184     |         | 48      |         | 207     |         | 55      |         | 233     |         |
| 11271                              | Bryant Pumping Plant Power Reliability/Lafayette Reliability Improvements   | Design       | 2,575  | 2,575   |         |         |         |         |         |         |         |         |         |
| 11271                              | Bryant Pumping Plant Power Reliability/Lafayette Reliability Improvements   | Construction | 48,272 |         |         | 4,778   | 16,026  | 17,291  | 10,177  |         |         |         |         |
| 11161                              | Wildcat Pumping Plant   | Design       | 2,730  | 2,730   |         |         |         |         |         |         |         |         |         |
| 11161                              | Wildcat Pumping Plant   | Construction | 23,161 |         |         |         | 4,470   | 9,208   | 9,484   |         |         |         |         |

| Projected Cash Flow (\$ Thousands) |   |              |        |         |         |         |         |         |         |         |         |         |         |
|------------------------------------|---|--------------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CIP ID                             | Project Title   | Phase        | Total  | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
| 11163                              | Castenada Pumping Plant Standby Generator                             | Planning     | 523    | 523     |         |         |         |         |         |         |         |         |         |
| 11163                              | Castenada Pumping Plant Standby Generator                             | Design       | 1,391  | 201     | 691     | 498     |         |         |         |         |         |         |         |
| 11163                              | Castenada Pumping Plant Standby Generator                             | Construction | 10,161 |         |         | 489     | 4,907   | 4,765   |         |         |         |         |         |
| 11272                              | Summit West, Berryman West, and Aqueduct Pumping Plant Rehabilitation | Design       | 2,016  | 692     | 1,324   |         |         |         |         |         |         |         |         |
| 11272                              | Summit West, Berryman West, and Aqueduct Pumping Plant Rehabilitation | Construction | 17,830 |         |         |         |         |         | 3,482   | 14,348  |         |         |         |
| 11276                              | Larkey Pumping Plant  | Design       | 1,706  | 586     | 1,120   |         |         |         |         |         |         |         |         |
| 11276                              | Larkey Pumping Plant  | Construction | 18,199 |         |         |         |         |         | 3,555   | 14,645  |         |         |         |
| 11278                              | Summit North Pumping Plant Rehabilitation                             | Planning     | 173    |         |         | 173     |         |         |         |         |         |         |         |
| 11279                              | Stott Pumping Plant   | Planning     | 85     |         |         |         |         |         | 85      |         |         |         |         |
| 11279                              | Stott Pumping Plant   | Design       | 1,154  |         |         |         |         |         |         |         | 396     | 758     |         |
| 11279                              | Stott Pumping Plant   | Construction | 924    |         |         |         |         |         |         |         |         |         | 924     |
| 11280                              | Pearl Pumping Plant   | Planning     | 85     |         |         |         |         |         | 85      |         |         |         |         |
| 11281                              | Quarry Pumping Plant  | Planning     | 88     |         |         |         |         |         | 88      |         |         |         |         |
| 11281                              | Quarry Pumping Plant  | Design       | 1,217  |         |         |         |         |         |         |         | 418     | 800     |         |
| 11281                              | Quarry Pumping Plant  | Construction | 1,499  |         |         |         |         |         |         |         |         |         | 1,499   |
| 11282                              | Tice Pumping Plant  | Planning     | 192    |         |         |         |         |         | 192     |         |         |         |         |
| 11283                              | Withers Pumping Plant   | Planning     | 175    |         |         | 175     |         |         |         |         |         |         |         |
| 11284                              | Donald Pumping Plant  | Planning     | 45     | 22      | 23      |         |         |         |         |         |         |         |         |
| 11284                              | Donald Pumping Plant  | Design       | 2,024  |         |         |         | 695     | 1,329   |         |         |         |         |         |
| 11284                              | Donald Pumping Plant  | Construction | 3,555  |         |         |         |         |         |         |         |         |         | 3,555   |
| 11286                              | Castle Hill Pumping Plant   | Planning     | 90     |         |         |         |         |         | 90      |         |         |         |         |



| Projected Cash Flow (\$ Thousands) |   |              |         |         |         |         |         |         |         |         |         |         |         |
|------------------------------------|---|--------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CIP ID                             | Project Title   | Phase        | Total   | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
| 11287                              | Los Altos Pumping Plant                                       | Planning     | 379     | 379     |         |         |         |         |         |         |         |         |         |
| 11287                              | Los Altos Pumping Plant                                       | Design       | 2,094   |         |         | 719     | 1,375   |         |         |         |         |         |         |
| 11292                              | Crockett Pumping Plant Improvements                           | Planning     | 645     |         | 318     | 327     |         |         |         |         |         |         |         |
| 11292                              | Crockett Pumping Plant Improvements                           | Design       | 1,965   |         |         |         | 675     | 1,290   |         |         |         |         |         |
| 11294                              | Joaquin Miller Pumping Plant Landslide Repair and Access Road | Design       | 41      | 41      |         |         |         |         |         |         |         |         |         |
| 11294                              | Joaquin Miller Pumping Plant Landslide Repair and Access Road | Construction | 568     |         |         |         | 568     |         |         |         |         |         |         |
| 11295                              | Joaquin Miller Pumping Plant                                  | Planning     | 168     | 168     |         |         |         |         |         |         |         |         |         |
| 11296                              | Navallier Pumping Plant Demolition                            | Design       | 27      |         | 27      |         |         |         |         |         |         |         |         |
| All Projects                       |   |              | 232,679 | 30,093  | 21,524  | 16,884  | 31,179  | 35,360  | 31,471  | 43,280  | 11,077  | 1,790   | 10,021  |

Award Purpose:

## Raw Water System

Award:

### 7000185-Mokelumne Aqueduct Number 2 & 3 Relining

Lead Department:

Engineering &amp; Construction

Start Year:

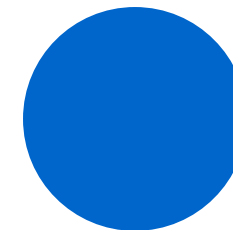
FY 2026

### Award Description

The Mokelumne Aqueduct System consists of three large diameter pipelines that convey untreated water to the District's Water Treatment Plants. This project will replace the deteriorated cement mortar lining (CML) in Mokelumne Aqueducts No. 2 (MOK2) and No. 3 (MOK3) to protect the steel pipelines from internal corrosion. Inspections of the Mokelumne Delta reach revealed that 10 miles of the CML in MOK2 and MOK3 need replacement. Inspections of MOK2 indicate that 65 miles of the below ground pipeline reaches also require CML replacement. Prior to relining, it is necessary to design and construct raw water treatment facilities to minimize corrosion. FY 2026 - FY 2027 anticipated work includes construction of 1.5 miles of above ground MOK2 relining, researching new cement mortar lining mix designs, beginning construction of the Pardee Chemical Improvements, and beginning design of the above ground MOK3 relining. FY 2027 - FY 2029 anticipated work includes completing the design of the above ground MOK3 relining and completing construction of the Pardee Chemical Improvements.

| Appropriations (\$ Thousands) |               |               |            |
|-------------------------------|---------------|---------------|------------|
| Phase                         | Total         | FY 2026       | FY 2027    |
| Planning                      | -             | -             | -          |
| Design                        | 389           | 210           | 179        |
| Construction                  | 52,174        | 52,174        | -          |
| Recurring                     | -             | -             | -          |
| Other                         | -             | -             | -          |
| <b>Total</b>                  | <b>52,563</b> | <b>52,384</b> | <b>179</b> |

Funding Sources



Revenue Funded, 100%

## Projected Cash Flow (\$ Thousands)

| CIP ID       | Project Title                                      | Phase        | Total   | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
|--------------|--|--------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 11078        | Pardee Chemical Improvements                       | Construction | 76,561  | 7,923   | 17,536  | 18,112  | 22,487  | 10,503  |         |         |         |         |         |
| 11076        | Cement Mortar Lining Studies                       | Design       | 54      | 54      |         |         |         |         |         |         |         |         |         |
| 11077        | Mokelumne Aqueduct No. 2 Lining Replacement        | Construction | 7,698   | 3,792   | 3,906   |         |         |         |         |         |         |         |         |
| 11327        | Mokelumne Aqueduct No. 3 Lining Replacement        | Design       | 1,306   | 255     | 263     | 388     | 400     |         |         |         |         |         |         |
| 11327        | Mokelumne Aqueduct No. 3 Lining Replacement        | Construction | 33,574  |         |         |         |         | 2,319   | 28,796  | 2,460   |         |         |         |
| 11328        | Mokelumne Aqueduct No. 2 Future Lining Replacement | Design       | 2,317   |         |         |         |         | 358     | 369     | 380     | 391     | 403     | 415     |
| All Projects |  | All Phases   | 121,510 | 12,024  | 21,704  | 18,500  | 22,887  | 13,180  | 29,165  | 2,840   | 391     | 403     | 415     |

Award Purpose:  
**Raw Water System**

Award:  
**7000155-Mokelumne Aqueducts Recoating**

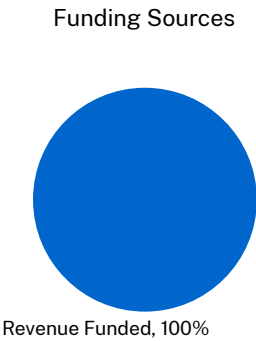
Lead Department:  
Engineering & Construction

Start Year:  
FY 2026

Award Description

This project continues the ongoing removal of existing lead-based paint and recoating above-ground sections of the Mokelumne Aqueducts in the Delta. The work typically takes place during the dry summer season and temporarily shuts down during the wet and cooler winter. FY 2024 - 2025 work included completing recoating work at 22 sites for Aqueduct No. 1 - Phase 13 of the Mokelumne Aqueduct Recoating Project. FY 2026 - FY 2028 work will include recoating the remaining 35 sites for Aqueduct No. 1 - Phase 1: the Mokelumne Aqueduct Recoating Project.

| Appropriations (\$ Thousands) |       |         |         |
|-------------------------------|-------|---------|---------|
| Phase                         | Total | FY 2026 | FY 2027 |
| Planning                      | -     | -       | -       |
| Design                        | -     | -       | -       |
| Construction                  | -     | -       | -       |
| Recurring                     | -     | -       | -       |
| Other                         | -     | -       | -       |
| Total                         | -     | -       | -       |



| Projected Cash Flow (\$ Thousands) |   |              |        |         |         |         |         |         |         |         |         |         |         |
|------------------------------------|---|--------------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CIP ID                             | Project Title                               | Phase        | Total  | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
| 11079                              | Mokelumne Aqueduct No. 1 Recoating Phase 13 | Construction | 14,989 | 6,288   | 6,477   | 2,224   |         |         |         |         |         |         |         |
|                                    | All Projects                                | All Phases   | 14,989 | 6,288   | 6,477   | 2,224   |         |         |         |         |         |         |         |

Award Purpose:  
**Raw Water System**

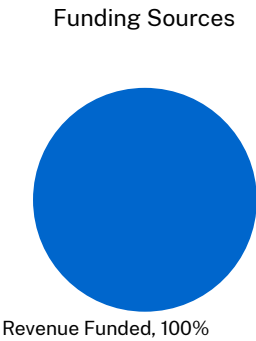
Award:  
**7000045-Raw Water Aqueduct Improvements**

|                  |             |
|------------------|-------------|
| Lead Department: | Start Year: |
| Water Operations | FY 2026     |

Award Description

This project provides infrastructure improvements to facilitate the safe and reliable operation of the raw water aqueducts and wasteways, pumping plants, terminal reservoir facilities, three service yards and over 100 miles of right of way. In FY 2026 - FY 2032, plans include improvements, repair, and capital replacements of facilities such as pipe pumping plants, and wasteways; service yards; fences, gates, and structures along the right-of-way; outlet towers and associated appurtenances, spillways, drains; and support equipment/materials to extend the useful life of these facilities. This project also provides for improvements to the Delta levees for the protection of the Mokelumne Aqueduct. District works collaboratively with the Reclamation Districts on these projects.

| Appropriations (\$ Thousands) |        |         |         |
|-------------------------------|--------|---------|---------|
| Phase                         | Total  | FY 2026 | FY 2027 |
| Planning                      | -      | -       | -       |
| Design                        | -      | -       | -       |
| Construction                  | 13,487 | 13,487  | -       |
| Recurring                     | -      | -       | -       |
| Other                         | -      | -       | -       |
| Total                         | 13,487 | 13,487  | -       |



| Projected Cash Flow (\$ Thousands) |                                     |              |        |         |         |         |         |         |         |         |         |         |         |
|------------------------------------|-------------------------------------|--------------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CIP ID                             | Project Title                       | Phase        | Total  | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
| 11126                              | Mokelumne Aqueduct Secondary Levees | Construction | 3,404  | 258     | 265     | 273     | 281     | 290     | 299     | 400     | 412     | 457     | 470     |
| 11127                              | Freeport Region Water Authority     | Construction | 8,265  | 721     | 743     | 765     | 788     | 811     | 836     | 861     | 887     | 913     | 941     |
| 11125                              | Rehabilitation Aqueduct Facilities  | Construction | 1,818  | 309     | 318     | 328     | 113     | 116     | 119     | 123     | 127     | 130     | 134     |
| 11125                              | Rehabilitation Aqueduct Facilities  | Other        | 3,468  |         |         |         | 411     | 429     | 436     | 458     | 671     | 534     | 529     |
| All Projects                       |                                     | All Phases   | 16,955 | 1,288   | 1,326   | 1,366   | 1,593   | 1,647   | 1,690   | 1,842   | 2,096   | 2,034   | 2,075   |

Award Purpose:

Raw Water System

Award:

New-Raw Water Facilities

Lead Department:

Engineering & Construction

Start Year:

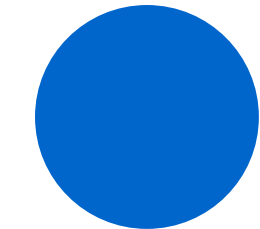
FY 2026

Award Description

Raw Water Facilities includes the rehabilitation of and improvements to non-pipeline facilities in the raw water system, including pumping plants, chemical systems, and various upcountry facilities. This is a new award, created in the current budget cycle by removing non-pipeline projects from the Raw Water Infrastructure award (7000061) and placing them in this award. FY 2024 – FY 2025 work included the planning and design for the Pardee Power Line Upsizing project that will improve the safety of the power system near Pardee Dam and upgrade the system to meet future power demands. FY 2026 - FY 2027 work includes construction of the Pardee Power Line Upsizing project, a planning study to identify recommended improvements to rehabilitate Moraga Raw Water Pumping Plant (RWPP) and Walnut Creek RWPP No. 3, and the planning and start of design of improvements to FSCC chemical facilities. FY 2028 - FY 2035 work includes design and construction of improvements to rehabilitate Moraga RWPP, planning of Walnut Creek RWPP No. 3 improvements, and the planning of Mokelumne Aqueducts Wasteways Rehabilitation and Upgrades.

| Appropriations (\$ Thousands) |        |         |         |
|-------------------------------|--------|---------|---------|
| Phase                         | Total  | FY 2026 | FY 2027 |
| Planning                      | 4,057  | 4,057   | -       |
| Design                        | 381    | 103     | 278     |
| Construction                  | 11,638 | 11,638  | -       |
| Recurring                     | -      | -       | -       |
| Other                         | -      | -       | -       |
| Total                         | 16,077 | 15,798  | 278     |

Funding Sources



Revenue Funded, 100%



## Projected Cash Flow (\$ Thousands)

| CIP ID       | Project Title  | Phase        | Total  | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
|--------------|--|--------------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 11255        | Walnut Creek Raw Water Pumping Plant No. 3 Rehabilitation and Upgrades | Planning     | 3,826  | 1,015   | 1,671   |         |         |         |         |         | 1,140   |         |         |
| 11255        | Walnut Creek Raw Water Pumping Plant No. 3 Rehabilitation and Upgrades | Design       | 2,446  |         |         | 1,205   | 1,241   |         |         |         |         |         |         |
| 11255        | Walnut Creek Raw Water Pumping Plant No. 3 Rehabilitation and Upgrades | Construction | 15,914 |         |         |         |         | 3,804   | 3,918   | 4,036   | 4,157   |         |         |
| 11256        | Pardee Power Line Upsizing   | Design       | 103    | 103     |         |         |         |         |         |         |         |         |         |
| 11256        | Pardee Power Line Upsizing   | Construction | 11,638 | 2,789   | 6,174   | 2,675   |         |         |         |         |         |         |         |
| 11138        | Folsom South Canal Connection Facility Chemical Improvements           | Planning     | 232    | 232     |         |         |         |         |         |         |         |         |         |
| 11138        | Folsom South Canal Connection Facility Chemical Improvements           | Design       | 565    |         | 278     | 287     |         |         |         |         |         |         |         |
| 11138        | Folsom South Canal Connection Facility Chemical Improvements           | Construction | 3,024  |         |         |         |         |         |         |         |         |         | 3,024   |
| 11266        | Wasteways Rehabilitation and Upgrades                                  | Planning     | 1,123  |         |         |         |         |         |         |         | 545     | 578     |         |
| All Projects |  | All Phases   | 38,870 | 4,139   | 8,123   | 4,166   | 1,241   | 3,804   | 3,918   | 4,036   | 5,841   | 578     | 3,024   |

Award Purpose:

Raw Water System

Award:

7000061-Raw Water Infrastructure

Lead Department:

Engineering & Construction

Start Year:

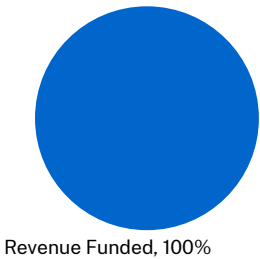
FY 2026

Award Description

This project consists of evaluating and improving the pipeline related projects in the untreated raw water system to reliably meet operational requirements. FY 2026 - FY 2027 includes the following: completing the FY 2026 Mokelumne Aqueduct No. 1 settlement survey, completing the Lafayette Aqueduct No. 1 relining design phase, completing the exposed Mokelumne Aqueduct river crossing planning and design phases, completing the Jones Tract Scour Protection planning and design phases, beginning the Mokelumne Aqueduct No. 4 feasibility analysis, completing the Mokelumne Aqueduct satellite settlement monitoring, complete the Folsom South Canal Connection (FSCC) pipeline inspection planning phase, complete the Mokelumne Aqueduct No. 3 sag inspection, complete the Raw Water Model calibration, and complete the Concord Fault fiber optic monitoring planning and design phases. FY 2028 - FY 2035 work includes the following: completing the FY 2028, FY 2030, FY 2032, and FY 2034 Mokelumne Aqueduct No. 1 settlement survey, completing the Lafayette Aqueduct No. 1 relining construction phase, completing the exposed Mokelumne Aqueduct river crossing construction phase, complete the Tunnel Access Improvement design phase, complete the Mokelumne Aqueduct No. 4 feasibility analysis, complete the Jones Tract Scour Protection construction phase, complete the 2030 Raw Water Master Plan, complete the Mokelumne Aqueduct No. 1 temperature anchor replacement at station 2456 planning, design, and construction phase, and complete the Concord Fault fiber optic monitoring phase.

| Appropriations (\$ Thousands) |       |         |         |
|-------------------------------|-------|---------|---------|
| Phase                         | Total | FY 2026 | FY 2027 |
| Planning                      | -     | -       | -       |
| Design                        | -     | -       | -       |
| Construction                  | -     | -       | -       |
| Recurring                     | -     | -       | -       |
| Other                         | -     | -       | -       |
| Total                         | -     | -       | -       |

Funding Sources



## Projected Cash Flow (\$ Thousands)

| CIP ID | Project Title  | Phase        | Total  | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
|--------|--|--------------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 11095  | Mokelumne Aqueduct No.1 Bi and Annual Survey                 | Planning     | 902    | 160     |         | 169     |         | 180     |         | 191     |         | 202     |         |
| 11096  | Lafayette No. 1 Relining                                     | Design       | 1,030  | 1,030   |         |         |         |         |         |         |         |         |         |
| 11096  | Lafayette No. 1 Relining                                     | Construction | 99,015 |         |         |         | 8,226   | 35,316  | 36,376  | 19,097  |         |         |         |
| 11097  | Exposed Aqueduct River Crossing                              | Planning     | 206    | 206     |         |         |         |         |         |         |         |         |         |
| 11097  | Exposed Aqueduct River Crossing                              | Design       | 206    | 206     |         |         |         |         |         |         |         |         |         |
| 11097  | Exposed Aqueduct River Crossing                              | Construction | 1,919  |         |         |         |         |         |         |         | 1,267   | 652     |         |
| 11099  | Mokelumne Aqueduct Sediment Control at Station 3922          | Design       | 80     | 26      | 27      | 27      |         |         |         |         |         |         |         |
| 11100  | Pardee Tunnel Access Improvements                            | Design       | 6,743  |         |         |         |         |         |         | 2,258   | 2,724   | 1,761   |         |
| 11100  | Pardee Tunnel Access Improvements                            | Construction | 6,921  |         |         |         |         |         |         |         |         |         | 6,921   |
| 11101  | Jones Tract Scour Protection                                 | Planning     | 103    | 103     |         |         |         |         |         |         |         |         |         |
| 11101  | Jones Tract Scour Protection                                 | Design       | 523    | 258     | 265     |         |         |         |         |         |         |         |         |
| 11101  | Jones Tract Scour Protection                                 | Construction | 15,839 |         |         |         |         |         |         | 4,919   | 5,700   | 5,219   |         |
| 11257  | Mokelumne Aqueduct No. 4 Feasibility Analysis                | Planning     | 211    | 77      | 80      | 55      |         |         |         |         |         |         |         |
| 11258  | Satellite Monitoring for Mokelumne Aqueduct No. 1 Settlement | Design       | 523    | 258     | 265     |         |         |         |         |         |         |         |         |
| 11259  | Folsom South Canal Connection Pipeline Inspection            | Planning     | 366    | 180     | 186     |         |         |         |         |         |         |         |         |
| 11260  | 2030 Raw Water Master Plan                                   | Planning     | 880    |         |         |         | 433     | 446     |         |         |         |         |         |
| 11261  | Mokelumne Aqueduct No. 3 Sags Inspection                     | Planning     | 521    | 309     | 212     |         |         |         |         |         |         |         |         |
| 11263  | Raw Water Model Calibration                                  | Planning     | 262    | 103     | 159     |         |         |         |         |         |         |         |         |

| Projected Cash Flow (\$ Thousands) |  |              |         |         |         |         |         |         |         |         |         |         |         |
|------------------------------------|--|--------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CIP ID                             | Project Title  | Phase        | Total   | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
| 11264                              | Mokelumne Aqueduct No.1 Temporary Anchor Replacement at Station 2456 | Planning     | 222     |         |         | 109     | 113     |         |         |         |         |         |         |
| 11264                              | Mokelumne Aqueduct No.1 Temporary Anchor Replacement at Station 2456 | Design       | 727     |         |         |         |         |         | 358     | 369     |         |         |         |
| 11264                              | Mokelumne Aqueduct No.1 Temporary Anchor Replacement at Station 2456 | Construction | 3,857   |         |         |         |         |         |         |         | 1,900   | 1,957   |         |
| 11265                              | Aqueduct 3 Base Isolators  | Design       | 1,655   |         |         |         |         |         |         |         | 759     | 896     |         |
| 11269                              | Concord Fault Fiber Optic Monitoring                                 | Planning     | 21      | 21      |         |         |         |         |         |         |         |         |         |
| 11269                              | Concord Fault Fiber Optic Monitoring                                 | Design       | 77      | 77      |         |         |         |         |         |         |         |         |         |
| 11269                              | Concord Fault Fiber Optic Monitoring                                 | Construction | 771     |         |         |         |         |         |         |         | 380     | 391     |         |
| All Projects                       |  | All Phases   | 143,581 | 3,013   | 1,194   | 361     | 8,772   | 35,942  | 36,734  | 26,835  | 12,730  | 11,080  | 6,921   |

Award Purpose:

Recreation Areas & Facilities

Award:

7100004-Camanche Hills Hunting Preserve

Lead Department:

Natural Resources

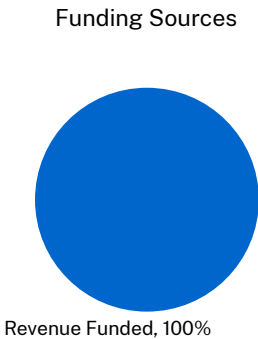
Start Year:

FY 2029

Award Description

Recreation Areas are managed to ensure public health and safety, and environmental protection. Typical projects include the capital upgrades and replacements of facilities the Recreation Areas, including structures, utility infrastructure, launch ramps and docks, recreation halls, parking lots, maintenance facilities, campgrounds, roads, trails, or fences. In FY 2028 - FY 2030, work includes the abatement of lead in the soil as a result of years of lead shot used for hunting, including California Environmental Quality Act (CEQA) compliance.

| Appropriations (\$ Thousands) |       |         |         |
|-------------------------------|-------|---------|---------|
| Phase                         | Total | FY 2026 | FY 2027 |
| Planning                      | -     | -       | -       |
| Design                        | -     | -       | -       |
| Construction                  | -     | -       | -       |
| Recurring                     | -     | -       | -       |
| Other                         | -     | -       | -       |
| Total                         | -     | -       | -       |



| Projected Cash Flow (\$ Thousands) |  |              |       |         |         |         |         |         |         |         |         |         |         |
|------------------------------------|--|--------------|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CIP ID                             | Project Title                                | Phase        | Total | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
| 11001                              | Camanche Hills Hunting Preserve Improvements | Construction | 1,126 |         |         |         | 1,126   |         |         |         |         |         |         |
|                                    | All Projects                                 | All Phases   | 1,126 |         |         |         | 1,126   |         |         |         |         |         |         |

Award Purpose:  
**Recreation Areas & Facilities**

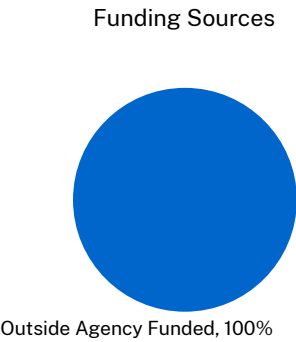
Award:  
**7100009-Camanche Recreation Area Improvements**

|                   |             |
|-------------------|-------------|
| Lead Department:  | Start Year: |
| Natural Resources | FY 2026     |

Award Description

Recreation Areas are managed to ensure public health and safety, and environmental protection. Typical projects are the capital upgrades and replacements of facilities with Recreation Areas, including marina and dock structures, launch ramps and docks, recreation halls, parking lots, maintenance facilities, campgrounds, roads, trails, and fence 2024 - FY 2025 work included replacement of the South Shore Maintenance Shop roof and entryway damaged during a storm, and replacement of the North Shore open ber destroyed by a storm. FY 2026 - FY 2035 potential projects include replacements to recreation structures and infrastructure resulting from storm damage, wildfires, regulat requirements, and end-of-life.

| Appropriations (\$ Thousands) |       |         |         |
|-------------------------------|-------|---------|---------|
| Phase                         | Total | FY 2026 | FY 2027 |
| Planning                      | -     | -       | -       |
| Design                        | -     | -       | -       |
| Construction                  | -     | -       | -       |
| Recurring                     | -     | -       | -       |
| Other                         | -     | -       | -       |
| Total                         | -     | -       | -       |



| Projected Cash Flow (\$ Thousands) |                                   |              |       |         |         |         |         |         |         |         |         |         |         |
|------------------------------------|-----------------------------------|--------------|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CIP ID                             | Project Title                     | Phase        | Total | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
| 11002                              | Camanche Recreation Area Projects | Construction | 1,666 | 258     | 265     | 273     | 281     | 290     | 299     |         |         |         |         |
|                                    | All Projects                      | All Phases   | 1,666 | 258     | 265     | 273     | 281     | 290     | 299     |         |         |         |         |



Award Purpose:

Recreation Areas & Facilities

Award:

7000263-Lafayette Recreation Infrastructure

Lead Department:

Natural Resources

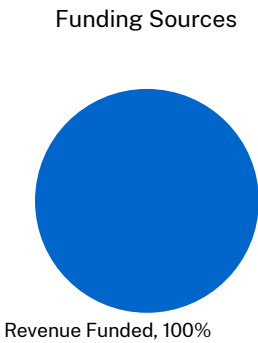
Start Year:

FY 2026

Award Description

Recreation areas are managed to ensure public health and safety, and environmental protection. Typical projects include the capital upgrades and replacements of facilities the recreation areas, including structures, utility infrastructure, launch ramps and docks, recreation halls, parking lots, maintenance facilities, campgrounds, roads, trails, and FY 2024 - FY 2025 work included completing the designs for replacement of the Lafayette Recreation Area lift station and associated collection and discharge piping (force installed in 1967. The project will allow the system to be added to the District's SCADA network, providing an additional level of oversight. The sewer system prevents recreation area sewage from entering Lafayette Reservoir. Work also included replacement of the recreation area's parking pay stations. FY 2026 - FY 2028 work includes the construction of the entire sewer force main replacement project. Work also includes the replacement of one dilapidated boat dock.

| Appropriations (\$ Thousands) |       |         |         |
|-------------------------------|-------|---------|---------|
| Phase                         | Total | FY 2026 | FY 2027 |
| Planning                      | -     | -       | -       |
| Design                        | -     | -       | -       |
| Construction                  | 2,711 | 2,711   | -       |
| Recurring                     | -     | -       | -       |
| Other                         | -     | -       | -       |
| Total                         | 2,711 | 2,711   | -       |



| Projected Cash Flow (\$ Thousands) |                 |              |       |         |         |         |         |         |         |         |         |         |         |
|------------------------------------|-----------------|--------------|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CIP ID                             | Project Title   | Phase        | Total | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
| 11221                              | Lafayette Sewer | Construction | 2,711 | 2,504   | 207     |         |         |         |         |         |         |         |         |
|                                    | All Projects    | All Phases   | 2,711 | 2,504   | 207     |         |         |         |         |         |         |         |         |

Award Purpose:

Recreation Areas & Facilities

Award:

7000300-Recreation Area Capital Maintenance & Improvements

Lead Department:

Water Operations

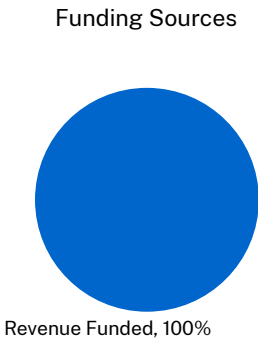
Start Year:

FY 2026

Award Description

This project provides for replacement and improvements to the Water and Wastewater Treatment Plants (WTP), potable water systems, waste collection systems, dams, dike watershed lands at the Pardee and Camanche recreation areas. Work required to meet water and wastewater demands and maintain regulatory compliance. FY 2026 - FY 2027 work includes Camanche South Shore WTP raw water supply improvements, electrical system improvements, performing comprehensive assessments of wastewater collection systems, wastewater pond improvements, rehabilitation or replacement of water distribution tanks, and replacement of and improvements to treated water distribution system pipeline and valves.

| Appropriations (\$ Thousands) |       |         |         |
|-------------------------------|-------|---------|---------|
| Phase                         | Total | FY 2026 | FY 2027 |
| Planning                      | -     | -       | -       |
| Design                        | 950   | 475     | 475     |
| Construction                  | -     | -       | -       |
| Recurring                     | 3,700 | 1,850   | 1,850   |
| Other                         | -     | -       | -       |
| Total                         | 4,650 | 2,325   | 2,325   |



| Projected Cash Flow (\$ Thousands) |  |              |        |         |         |         |         |         |         |         |         |         |         |
|------------------------------------|--|--------------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CIP ID                             | Project Title                                | Phase        | Total  | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
| 11136                              | Pardee Camanche Projects                     | Recurring    | 4,768  |         |         | 656     | 329     | 470     | 919     | 320     | 842     | 339     | 894     |
| 11137                              | Recreation Area Water/WW System Improvements | Design       | 1,667  | 646     | 579     | 441     |         |         |         |         |         |         |         |
| 11137                              | Recreation Area Water/WW System Improvements | Construction | 12,114 | 2,551   | 2,493   | 1,974   | 470     | 743     | 613     | 650     | 690     | 936     | 993     |
|                                    | All Projects                                 | All Phases   | 18,549 | 3,197   | 3,072   | 3,071   | 799     | 1,213   | 1,532   | 970     | 1,532   | 1,276   | 1,887   |

Award Purpose:

Recreation Areas & Facilities

Award:

7000289-San Pablo Recreation Infrastructure

Lead Department:

Natural Resources

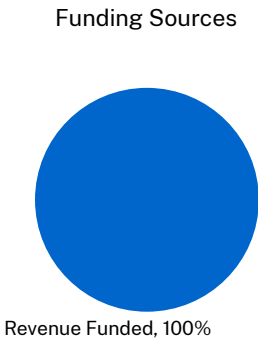
Start Year:

FY 2026

Award Description

Recreation areas are managed to ensure public health and safety, and environmental protection. Typical projects include the capital upgrades and replacements of facilities the recreation areas, including structures, utility infrastructure, launch ramps and docks, recreation halls, parking lots, maintenance facilities, campgrounds, roads, trails, and FY 2024 - FY 2025 work included designs for the replacement of approximately 1,500 feet of asbestos cement sewer force main at the San Pablo Recreation Center, which is the recreation area and keeps sewage from entering San Pablo Reservoir. FY 2026 - FY 2029 work includes completing the designs for the sewer force main replacement project, construction of the sewer force main replacement, and the construction of a new Americans with Disabilities Act (ADA)-accessible boat dock.

| Appropriations (\$ Thousands) |       |         |         |
|-------------------------------|-------|---------|---------|
| Phase                         | Total | FY 2026 | FY 2027 |
| Planning                      | -     | -       | -       |
| Design                        | -     | -       | -       |
| Construction                  | 2,894 | 2,894   | -       |
| Recurring                     | -     | -       | -       |
| Other                         | -     | -       | -       |
| Total                         | 2,894 | 2,894   | -       |



| Projected Cash Flow (\$ Thousands) |   |              |       |         |         |         |         |         |         |         |         |         |         |
|------------------------------------|---|--------------|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CIP ID                             | Project Title                                   | Phase        | Total | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
| 11016                              | San Pablo Recreation Sewer Force Maintenance Re | Construction | 2,913 | 2,575   |         |         | 338     |         |         |         |         |         |         |
|                                    | All Projects                                    | All Phases   | 2,913 | 2,575   |         |         | 338     |         |         |         |         |         |         |

Award Purpose:  
**Regulators & Rate Control Stations**

Award:  
**7000089-Rate Control Station Rehabilitation**

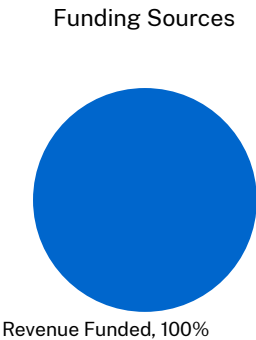
Lead Department:  
Engineering & Construction

Start Year:  
FY 2026

**Award Description**

The District includes 30 rate control station (RCS) facilities, many of which have been in operation for more than 50 years. This project involves the planning, rehabilitation, and long-term maintenance work needed to support distribution operations. Elements include pressure zone improvement work, such as installing new facilities and demolishing obsolete facilities to improve flow control within and between pressure zones; and rehabilitation improvements such as major repairs and equipment upgrades. FY 2024 - FY 2025 work included planning for 73rd Avenue, Dunsmuir, and Webster RCSs; and design for 82nd Avenue and Almond RCSs. In FY 2026 - FY 2027, work continues with planning and design of 73rd Avenue RCS; design of 82nd Avenue, Almond, and Fontaine RCSs; and planning of Clayton-Fairmount RCS. FY 2028 - FY 2035 work includes construction of 73rd Avenue, 82nd Avenue, and Almond RCSs; planning, design, and construction of Genoa No. 1, Genoa No. 2, and Hollis RCSs; design and construction of Fontaine RCS; and planning of Bryant, San Ramon, and Danville RCSs.

| Appropriations (\$ Thousands) |       |         |         |
|-------------------------------|-------|---------|---------|
| Phase                         | Total | FY 2026 | FY 2027 |
| Planning                      | -     | -       | -       |
| Design                        | -     | -       | -       |
| Construction                  | -     | -       | -       |
| Recurring                     | -     | -       | -       |
| Other                         | -     | -       | -       |
| Total                         | -     | -       | -       |



## Projected Cash Flow (\$ Thousands)

| CIP ID       | Project Title   | Phase        | Total | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
|--------------|---|--------------|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 11236        | Facility Assessments  | Planning     | 524   | 155     |         |         |         | 174     |         |         |         | 196     |         |
| 11238        | Genoa No. 1, Genoa No. 2, and Hollis Rate Control Stations  | Planning     | 290   |         |         |         |         |         |         | 71      | 219     |         |         |
| 11238        | Genoa No. 1, Genoa No. 2, and Hollis Rate Control Stations  | Design       | 1,274 |         |         |         |         |         |         |         | 206     | 848     | 219     |
| 11238        | Genoa No. 1, Genoa No. 2, and Hollis Rate Control Stations  | Construction | 1,966 |         |         |         |         |         |         |         |         |         | 1,966   |
| 11242        | Church St, Golf Links, Victoria, Ney, 73rd Ave and Dunsmuir Rate Control Stations                       | Design       | 575   | 379     | 196     |         |         |         |         |         |         |         |         |
| 11242        | Church St, Golf Links, Victoria, Ney, 73rd Ave and Dunsmuir Rate Control Stations                       | Construction | 3,863 |         |         |         | 622     | 1,921   | 1,319   |         |         |         |         |
| 11243        | Clayton, Fairmount and Webster Rate Control Stations; Ascot, Girvin, La Loma, and Kensington Regulators | Planning     | 83    | 53      | 19      | 10      |         |         |         |         |         |         |         |
| 11243        | Clayton, Fairmount and Webster Rate Control Stations; Ascot, Girvin, La Loma, and Kensington Regulators | Design       | 468   |         |         | 153     | 315     |         |         |         |         |         |         |
| All Projects |   | All Phases   | 9,043 | 587     | 215     | 163     | 937     | 2,095   | 1,319   | 71      | 426     | 1,044   | 2,185   |



Award Purpose:  
**Regulators & Rate Control Stations**

Award:  
**7000223-Regulator Rehabilitation**

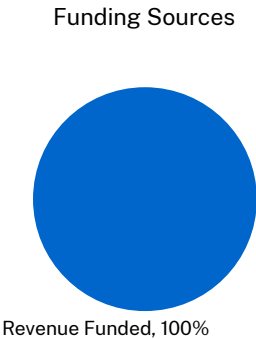
Lead Department:  
Engineering & Construction

Start Year:  
FY 2026

**Award Description**

Currently, there are 75 regulator facilities in operation with many older than 50 years. This project involves the planning, rehabilitation, and long-term maintenance responsibility for support distribution operations. Elements include pressure zone improvement work, such as installing new facilities and demolishing obsolete facilities to improve flow control and between pressure zones; and rehabilitation improvements, such as major repairs and equipment upgrades. FY 2024 - FY 2025 work included the completion of the Cull Creek Regulator construction, commencement of design and construction of Campus, Keller, Gramercy, and Villareal regulators replacements, as well as construction of Madrone Regulator. Planning studies also began for Columbia, Henry, Knight, Oakmont Memorial Park, and Redwood Regulators; and design for Almond Regulator. FY 2026 - FY 2027 work includes planning of Ascot, Girvin, and La Loma Regulators; design of Almond, Glendale-La Loma, and Redwood Regulators; and construction of Painted Pony, Madrone 1, Castle Hill, Encinal, Ridgewood, Circle, Cull Creek, Campus, Keller, Gramercy, and Villareal regulators. FY 2028 - FY 2035 work includes construction of Almond, Glendale-La Loma, and Redwood Regulators; design and construction of Columbia, Henry, Knight, Oakmont Memorial Park, and Overhill Regulators; demolition of Orion Regulator; and demolition of Ascot, Girvin, La Loma, and Kensington Regulators.

| Appropriations (\$ Thousands) |       |         |         |
|-------------------------------|-------|---------|---------|
| Phase                         | Total | FY 2026 | FY 2027 |
| Planning                      | -     | -       | -       |
| Design                        | -     | -       | -       |
| Construction                  | -     | -       | -       |
| Recurring                     | -     | -       | -       |
| Other                         | -     | -       | -       |
| Total                         | -     | -       | -       |



| Projected Cash Flow (\$ Thousands) |   |              |        |         |         |         |         |         |         |         |         |         |         |
|------------------------------------|---|--------------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CIP ID                             | Project Title   | Phase        | Total  | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
| 11234                              | Regulator Rehabilitation Campus Bundle  | Construction | 5,191  | 5,191   |         |         |         |         |         |         |         |         |         |
| 11235                              | Facility Assessments  | Planning     | 348    |         |         | 164     |         |         |         | 184     |         |         |         |
| 11237                              | Knight, Oakmont Memorial Park, and Overhill Regulators                          | Design       | 674    |         | 332     | 342     |         |         |         |         |         |         |         |
| 11237                              | Knight, Oakmont Memorial Park, and Overhill Regulators                          | Construction | 4,132  |         |         | 669     | 2,015   | 1,449   |         |         |         |         |         |
| 11239                              | Columbia and Henry Regulators, and John and Castro Valley Rate Control Stations | Planning     | 275    |         |         |         |         |         | 275     |         |         |         |         |
| 11239                              | Columbia and Henry Regulators, and John and Castro Valley Rate Control Stations | Design       | 1,031  |         |         |         |         |         |         |         |         |         | 1,031   |
| 11246                              | Pressure Zone Improvements - Circle Orion Regulator Rehabilitation              | Construction | 869    |         |         |         |         | 869     |         |         |         |         |         |
| 11247                              | Pressure Zone Improvements - Painted Pony Regulator Rehabilitation              | Construction | 155    | 155     |         |         |         |         |         |         |         |         |         |
| All Projects                       |   | All Phases   | 12,675 | 5,346   | 332     | 1,175   | 2,015   | 2,319   | 275     | 184     |         |         | 1,031   |

Award Purpose:  
**Reservoirs - Distribution**

Award:  
**7000319-Chloramine Boosting Stations**

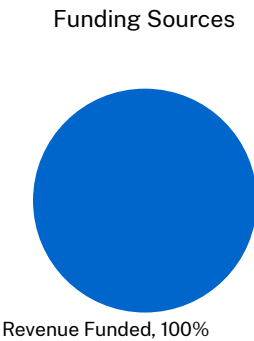
Lead Department:  
Water Operations

Start Year:  
FY 2026

Award Description

This project funds the purchase and installation of Chloramine Boosting Stations (CBS) or Chloramine Trim Stations at distribution reservoirs that suffer from chronic low chl levels. This work helps protect public health, maintain regulatory levels of the distribution water, and reduces or eliminates the labor-intensive manual treatment of distribution reservoirs.

| Appropriations (\$ Thousands) |       |         |         |
|-------------------------------|-------|---------|---------|
| Phase                         | Total | FY 2026 | FY 2027 |
| Planning                      | -     | -       | -       |
| Design                        | -     | -       | -       |
| Construction                  | 500   | 500     | -       |
| Recurring                     | -     | -       | -       |
| Other                         | -     | -       | -       |
| Total                         | 500   | 500     | -       |



| Projected Cash Flow (\$ Thousands) |                          |              |       |         |         |         |         |         |         |         |         |         |         |
|------------------------------------|--------------------------|--------------|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CIP ID                             | Project Title            | Phase        | Total | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
| 11153                              | Tice Chloramine Boosting | Construction | 814   | 814     |         |         |         |         |         |         |         |         |         |
|                                    | All Projects             | All Phases   | 814   | 814     |         |         |         |         |         |         |         |         |         |

Award Purpose:  
**Reservoirs - Distribution**

Award:  
**7000021-Distribution System Water Quality Improvements**

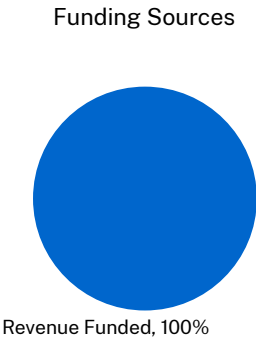
Lead Department:  
Water Operations

Start Year:  
FY 2028

Award Description

This project provides ongoing improvements related to water quality in the distribution system, which is composed of more than 4,100 miles of pipeline and 165 reservoirs.

| Appropriations (\$ Thousands) |       |         |         |
|-------------------------------|-------|---------|---------|
| Phase                         | Total | FY 2026 | FY 2027 |
| Planning                      | -     | -       | -       |
| Design                        | -     | -       | -       |
| Construction                  | -     | -       | -       |
| Recurring                     | -     | -       | -       |
| Other                         | -     | -       | -       |
| Total                         | -     | -       | -       |



| Projected Cash Flow (\$ Thousands) |                              |              |       |         |         |         |         |         |         |         |         |         |         |
|------------------------------------|------------------------------|--------------|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CIP ID                             | Project Title                | Phase        | Total | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
| 11152                              | Raw Water Autoprofilers      | Construction | 232   |         |         |         | 113     |         | 119     |         |         |         |         |
| 11124                              | Highway 49 WQMS Improvements | Design       | 55    |         |         | 55      |         |         |         |         |         |         |         |
| 11124                              | Highway 49 WQMS Improvements | Construction | 348   |         |         |         | 113     | 116     | 119     |         |         |         |         |
| All Projects                       |                              | All Phases   | 634   |         |         | 55      | 225     | 116     | 239     |         |         |         |         |

Award Purpose:

Reservoirs - Distribution

Award:

7000017-Open-Cut Reservoir Program

Lead Department:

Engineering & Construction

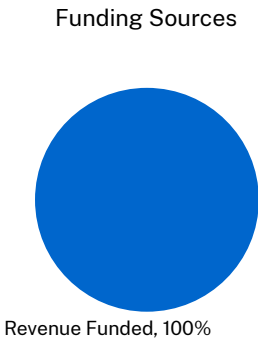
Start Year:

FY 2026

Award Description

Open-Cut Reservoir includes the rehabilitation, replacement, and demolition of aging open-cut reservoirs. FY 2024 - FY 2025 work included the design for the replacement of Central Reservoir in Oakland and Almond Reservoir in Castro Valley, as well as construction for the Danville Odor Control project. FY 2026 - FY 2027 work includes the continuation of the design for the replacement of Central and Almond Reservoirs, the design of the Maloney Valve Replacement Project, as well as the demolition of the existing Central Reservoir. FY 2028 - FY 2035 work includes the design for 39th Avenue Reservoir in Oakland and Selby Reservoir in Rodeo, the construction of the Central Reservoir Almond Reservoir, and Maloney Valve Replacement projects, and the start of construction for Leland Reservoir.

| Appropriations (\$ Thousands) |         |         |         |
|-------------------------------|---------|---------|---------|
| Phase                         | Total   | FY 2026 | FY 2027 |
| Planning                      | -       | -       | -       |
| Design                        | 20,090  | 19,562  | 528     |
| Construction                  | 190,038 | 190,038 | -       |
| Recurring                     | -       | -       | -       |
| Other                         | -       | -       | -       |
| Total                         | 210,128 | 209,600 | 528     |



## Projected Cash Flow (\$ Thousands)

| CIP ID       | Project Title   | Phase        | Total   | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
|--------------|---|--------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 11303        | Central Reservoir Replacement   | Design       | 17,852  | 8,240   | 7,426   | 2,185   |         |         |         |         |         |         |         |
| 11303        | Central Reservoir Replacement   | Construction | 190,038 | 639     | 19,075  | 546     | 20,934  | 28,750  | 66,031  | 30,501  | 23,562  |         |         |
| 11084        | Almond Reservoir Replacement, Proctor Pumping Plant Replacement and Cull Creek Demolition | Design       | 2,491   | 1,854   | 637     |         |         |         |         |         |         |         |         |
| 11084        | Almond Reservoir Replacement, Proctor Pumping Plant Replacement and Cull Creek Demolition | Construction | 51,905  |         |         |         |         |         |         | 9,839   | 19,255  | 14,613  | 8,198   |
| 11304        | Leland Reservoir Replacement  | Design       | 6,027   |         |         |         |         |         |         | 861     | 2,407   | 2,088   | 672     |
| 11304        | Leland Reservoir Replacement  | Construction | 9,139   |         |         |         |         |         |         |         |         |         | 9,139   |
| 11305        | Maloney Reservoir Replacement   | Planning     | 1,675   |         |         | 656     | 788     | 232     |         |         |         |         |         |
| 11326        | Maloney Reservoir Valve Pit Repair  | Design       | 206     | 206     |         |         |         |         |         |         |         |         |         |
| 11326        | Maloney Reservoir Valve Pit Repair  | Construction | 1,013   |         |         |         | 1,013   |         |         |         |         |         |         |
| All Projects |   | All Phases   | 280,346 | 10,939  | 27,138  | 3,387   | 22,735  | 28,982  | 66,031  | 41,201  | 45,224  | 16,701  | 18,008  |



## Reservoirs - Distribution

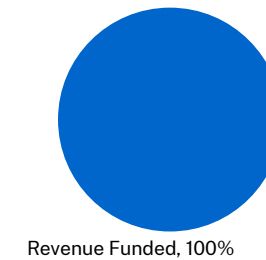
## 7000323-Reservoir Mixing System

FY 2028

#Missing

| Appropriations (\$ Thousands) |          |          |          |
|-------------------------------|----------|----------|----------|
| Phase                         | Total    | FY 2026  | FY 2027  |
| Planning                      | -        | -        | -        |
| Design                        | -        | -        | -        |
| Construction                  | -        | -        | -        |
| Recurring                     | -        | -        | -        |
| Other                         | -        | -        | -        |
| <b>Total</b>                  | <b>-</b> | <b>-</b> | <b>-</b> |

## Funding Sources



| Projected Cash Flow (\$ Thousands) |                                 |              |       |         |         |         |         |         |         |         |         |         |         |
|------------------------------------|---------------------------------|--------------|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CIP ID                             | Project Title                   | Phase        | Total | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
| 11149                              | Central Reservoir Mixing System | Construction | 972   |         |         | 109     | 113     | 116     | 119     | 123     | 127     | 130     | 134     |
|                                    | All Projects                    | All Phases   | 972   |         |         | 109     | 113     | 116     | 119     | 123     | 127     | 130     | 134     |

Award Purpose:

Reservoirs - Distribution

Award:

7000031-Reservoir Rehabilitation and Maintenance

Lead Department:

Engineering & Construction

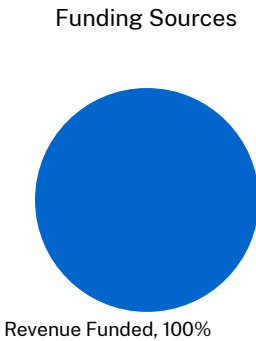
Start Year:

FY 2026

Award Description

This project includes the rehabilitation and replacement of the District’s 166 steel, concrete, and redwood reservoirs and pressure vessels to maintain the existing infrastructure, improve roof safety, improve water quality, and prioritize work through the Infrastructure Rehabilitation Plan (IRP). FY 2024 - FY 2025 work included construction work for Arroyo, Derby, Scenic, Scenic East, Castenada No. 1 and No. 2, Glen, Mulholland No. 1 and No. 2, Encinal, Madrone, Grizzly, Castle Hill, Knife No. 1, Wiedemann No. 1, Crest, Hill Mutual, Ridgewood, Arroyo, and Carter reservoirs, as well as the design for Swainland Reservoir. FY 2026 - FY 2027 work includes the continuation of the design for Swainland Reservoir, the design for Dos Osos and Welle reservoirs, and the continuation of construction for Grizzly, Castle Hill, Knife No. 1, Wiedemann No. 1, Crest, and Hill Mutual reservoirs. FY 2028 - FY 2035 work includes the design of Holly, Woods, Verde, Luzon, Selby, and Ardith Reservoirs, as well as the construction of Swainland and Dos Osos reservoirs and the Maloney Valve Replacement Project.

| Appropriations (\$ Thousands) |        |         |         |
|-------------------------------|--------|---------|---------|
| Phase                         | Total  | FY 2026 | FY 2027 |
| Planning                      | -      | -       | -       |
| Design                        | -      | -       | -       |
| Construction                  | 22,873 | -       | 22,873  |
| Recurring                     | -      | -       | -       |
| Other                         | -      | -       | -       |
| Total                         | 22,873 | -       | 22,873  |



## Projected Cash Flow (\$ Thousands)

| CIP ID | Project Title   | Phase        | Total  | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
|--------|---|--------------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 11316  | KPI Luzon and Verde Reservoir Improvements  | Design       | 1,584  |         |         | 470     | 1,114   |         |         |         |         |         |         |
| 11302  | KPI Dos Osos Reservoir Replacement and Dos Osos Pumping Plant Rehabilitation                                  | Design       | 1,111  | 793     | 318     |         |         |         |         |         |         |         |         |
| 11302  | KPI Dos Osos Reservoir Replacement and Dos Osos Pumping Plant Rehabilitation                                  | Construction | 16,889 |         |         |         |         |         |         | 3,198   | 6,587   | 5,089   | 2,016   |
| 11081  | East of Hills Facilities Demolition and Improvements  | Construction | 15,336 | 8,652   | 6,684   |         |         |         |         |         |         |         |         |
| 11086  | Reservoir Planning Studies and Facility Assessment  | Planning     | 3,649  | 318     | 328     | 338     | 348     | 358     | 369     | 380     | 391     | 403     | 415     |
| 11082  | Carter Reservoir Rehabilitation, Arroyo Pumping Plant Improvement, and Arroyo Reservoir Replacement           | Construction | 14,185 | 6,489   | 5,729   | 1,967   |         |         |         |         |         |         |         |
| 11083  | Swainland Reservoir and Montclair Pumping Plant Replacements and 82nd Ave Rate Control Station Rehabilitation | Design       | 1,030  | 1,030   |         |         |         |         |         |         |         |         |         |
| 11083  | Swainland Reservoir and Montclair Pumping Plant Replacements and 82nd Ave Rate Control Station Rehabilitation | Construction | 22,873 |         |         | 3,317   | 11,175  | 7,187   | 1,194   |         |         |         |         |
| 11085  | Reservoirs Safety and Maintenance   | Construction | 1,902  |         |         |         |         |         | 358     | 369     | 380     | 391     | 403     |
| 11313  | KPI Woods Reservoirs and Regulators   | Design       | 494    |         |         |         |         |         |         |         | 291     | 202     |         |
| 11314  | KPI Holly Reservoirs  | Design       | 739    |         |         |         |         |         |         |         | 513     | 226     |         |
| 11319  | Pressure Zone Improvements Ardith Reservoir   | Design       | 1,156  |         |         |         | 338     | 580     | 239     |         |         |         |         |
| 11320  | Pressure Zone Improvements Diablo Reservoir Replacement   | Planning     | 70     |         |         |         |         |         |         |         |         | 70      |         |
| 11321  | Pressure Zone Improvements Redwood Reservoir Demolition   | Planning     | 33     |         |         |         |         |         | 33      |         |         |         |         |
| 11322  | Pressure Zone Improvements Diablo Vista Reservoir Demolition  | Planning     | 33     |         |         |         |         |         | 33      |         |         |         |         |
| 11323  | Pressure Zone Improvements Oak Knoll Reservoir Demolition, and Rilea Reservoir Replacement                    | Planning     | 72     |         |         |         |         |         | 72      |         |         |         |         |
| 11324  | Pressure Zone Improvements Stott Reservoir Demolition   | Planning     | 33     |         |         |         |         |         | 33      |         |         |         |         |

| Projected Cash Flow (\$ Thousands) |  |          |        |         |         |         |         |         |         |         |         |         |         |
|------------------------------------|--|----------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CIP ID                             | Project Title  | Phase    | Total  | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
| 11325                              | Pressure Zone Improvements Selby Reservoir Replacement | Planning | 418    | 206     | 212     |         |         |         |         |         |         |         |         |
| 11325                              | Pressure Zone Improvements Selby Reservoir Replacement | Design   | 1,739  |         |         |         | 506     | 696     | 537     |         |         |         |         |
| All Projects                       |  |          | 83,345 | 17,488  | 13,271  | 6,091   | 13,481  | 8,821   | 2,868   | 3,947   | 8,163   | 6,382   | 2,834   |

Award Purpose:  
**Reservoirs - Supply**

Award:  
**7000068-Dam Operational Upgrades**

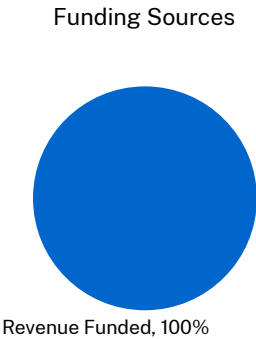
Lead Department:  
Engineering & Construction

Start Year:  
FY 2026

**Award Description**

This project involves improvements to dams and reservoirs to allow continued safe operation. Notable projects include: (1) Dunsmuir, Moraga, Watson, and Fay Hill liner rehabilitation to reduce dam safety leakage risk and extend the service life of these facilities until their eventual replacement as part of the reservoir rehabilitation program, Terminal Spillway Improvements, (3) Upcountry Spillway Evaluations and Upgrades, (4) Upper San Leandro (USL) Dam Outlet Improvements, (5) Inundation Maps, and (6) Reservoir Risk Studies. FY 2024 - FY 2025 accomplishments included: (1) repairing the liner at Watson Reservoir and the roof at Dunsmuir Reservoir, (2) implementing spillway activities such as crack repairs, spall repairs, and non-destructive testing, and (3) performing tripod-mounted Light Detection and Ranging (LiDAR) point cloud surveys at spillways to assess differential movements, subsurface voids, and distress. FY 2026 - FY 2027 goals include: (1) repairing the liners at Moraga and Fay Hill Reservoirs to reduce dam safety leakage risk and extend the service life of these facilities until their eventual replacement as part of the reservoir rehabilitation program, (2) installing flow deflectors over spillway subdrain systems, (3) developing plans for rehabilitation and upgrades at the USL Dam Blowoff Structure and Chabot Energy Dissipator, and (4) completing new inundation maps for Pardee and Camanche dams and dikes to comply with Federal Energy Regulatory Commission (FERC) and California Division of Dam Safety (DSOD) requirement. FY 2028 - FY 2035 goals include: (1) constructing the rehabilitation and upgrades at the USL Dam Blowoff Structure and Chabot Energy Dissipator (2) inspecting terminal reservoir tunnel outlet conduits, and (3) performing risk evaluation studies, as part of an overall risk assessment of the District's dam facilities.

| Appropriations (\$ Thousands) |       |         |         |
|-------------------------------|-------|---------|---------|
| Phase                         | Total | FY 2026 | FY 2027 |
| Planning                      | -     | -       | -       |
| Design                        | -     | -       | -       |
| Construction                  | -     | -       | -       |
| Recurring                     | -     | -       | -       |
| Other                         | -     | -       | -       |
| Total                         | -     | -       | -       |



## Projected Cash Flow (\$ Thousands)

| CIP ID       | Project Title   | Phase        | Total  | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
|--------------|---|--------------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 11056        | Federal Energy Regulatory Commission (FERC) Inundation Maps | Planning     | 150    | 103     |         |         |         |         |         |         |         |         | 47      |
| 11051        | Terminal Spillway Improvements                              | Planning     | 1,068  | 324     |         | 344     |         |         |         |         | 399     |         |         |
| 11051        | Terminal Spillway Improvements                              | Design       | 766    |         |         |         | 355     |         |         |         |         | 411     |         |
| 11051        | Terminal Spillway Improvements                              | Construction | 1,344  |         |         |         |         |         |         |         |         | 1,344   |         |
| 11055        | Terminal Reservoir Emergency Drain Tunnels                  | Design       | 289    | 289     |         |         |         |         |         |         |         |         |         |
| 11055        | Terminal Reservoir Emergency Drain Tunnels                  | Construction | 336    |         |         |         |         |         | 336     |         |         |         |         |
| 11053        | Moraga Creek Flood and Erosion Control                      | Other        | 130    | 84      | 15      | 15      | 16      |         |         |         |         |         |         |
| 11350        | Terminal Spillway Future Risk Studies                       | Planning     | 5,594  | 361     | 690     | 628     | 675     | 87      | 657     | 1,230   | 1,267   |         |         |
| 11350        | Terminal Spillway Future Risk Studies                       | Other        | 1,079  |         |         | 219     | 225     | 232     |         |         |         |         | 403     |
| 11353        | Upcountry Spillway Evaluations and Upgrades                 | Planning     | 5,477  | 206     | 387     | 710     | 1,126   | 290     | 299     | 2,460   |         |         |         |
| 11354        | Upcountry Spillway Evaluations and Upgrades                 | Construction | 66     |         |         |         |         |         | 66      |         |         |         |         |
| 11356        | Pardee and Camanche Risk Studies                            | Planning     | 2,425  |         |         |         | 580     | 597     | 615     | 633     |         |         |         |
| 11357        | Local Reservoir Risk Studies                                | Planning     | 3,534  |         | 546     | 563     | 580     | 597     | 615     | 633     |         |         |         |
| 11358        | Upper San Leandro Dam Outlet Improvements                   | Planning     | 258    | 258     |         |         |         |         |         |         |         |         |         |
| 11358        | Upper San Leandro Dam Outlet Improvements                   | Design       | 515    | 515     |         |         |         |         |         |         |         |         |         |
| 11358        | Upper San Leandro Dam Outlet Improvements                   | Construction | 2,388  |         |         |         |         |         | 2,388   |         |         |         |         |
| All Projects |   | All Phases   | 25,418 | 2,140   | 1,638   | 2,479   | 3,555   | 1,803   | 4,974   | 4,956   | 1,666   | 1,755   | 450     |

Award Purpose:  
**Reservoirs - Supply**

Award:  
**7000131-Dam Seismic Upgrades**

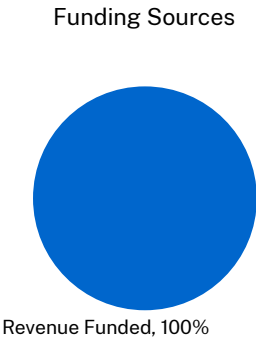
Lead Department:  
Engineering & Construction

Start Year:  
FY 2026

Award Description

This project involves the seismic evaluation, design, and retrofit of the District’s dams based on current engineering standards, safety requirements, and to respond to the Federal Energy Regulatory Commission (FERC) and California Division of Dam Safety (DSOD) requirements. Notable projects include: (1) the Camanche and Pardee Seismic Study, (2) the Camanche and Pardee Seismic and Flood Improvements, (3) the San Pablo Dam Environmental Mitigations (4) the San Pablo Dam Seismic Valve, and (5) Local Dam Safety Reviews. FY 2024 - FY 2025 accomplishments included: (1) completing studies of the Camanche spillway and outlet, Pardee Dam, and Pardee South Spillway for seismic and flood-loading conditions, (2) continued environmental mitigation for San Pablo Dam, and (3) starting the current cycle of safety reviews at local reservoirs. FY 2026 - FY 2027 includes (1) planning and design of necessary improvements following the recommendations from the studies of the Camanche spillway and outlet, Pardee Dam, and Pardee Spillway for seismic and flood-loading conditions to comply with safety requirements as regulated by FERC and DSOD, (2) completing the current cycle of safety reviews at local reservoirs based on current engineering standards, and (3) design and installation of the seismic valve at San Pablo Dam to shut off water flow and prevent flooding on the Oso de los Rios Aqueduct if it becomes damaged in a seismic event. FY 2028 - FY 2035 goals include: (1) continued environmental mitigation for San Pablo Dam, (2) starting the next cycle of safety reviews at local reservoirs, and (3) construction of the necessary improvements at Camanche spillway and outlet, Pardee Dam, and Pardee South Spillway for seismic and flood-loading conditions.

| Appropriations (\$ Thousands) |       |         |         |
|-------------------------------|-------|---------|---------|
| Phase                         | Total | FY 2026 | FY 2027 |
| Planning                      | -     | -       | -       |
| Design                        | -     | -       | -       |
| Construction                  | -     | -       | -       |
| Recurring                     | -     | -       | -       |
| Other                         | -     | -       | -       |
| Total                         | -     | -       | -       |





| Projected Cash Flow (\$ Thousands) |  |              |        |         |         |         |         |         |         |         |         |         |         |
|------------------------------------|--|--------------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CIP ID                             | Project Title                                      | Phase        | Total  | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
| 11058                              | San Pablo Dam Environmental Mitigations            | Other        | 2,641  |         |         |         |         |         |         |         | 32      | 2,610   |         |
| 11057                              | Camanche and Pardee Seismic Study                  | Planning     | 77     | 77      |         |         |         |         |         |         |         |         |         |
| 11057                              | Camanche and Pardee Seismic Study                  | Design       | 858    |         | 530     | 328     |         |         |         |         |         |         |         |
| 11057                              | Camanche and Pardee Seismic Study                  | Construction | 10,286 |         |         |         |         |         |         |         | 5,067   | 5,219   |         |
| 11347                              | San Pablo Dam Seismic Valve                        | Planning     | 103    | 103     |         |         |         |         |         |         |         |         |         |
| 11347                              | San Pablo Dam Seismic Valve                        | Design       | 530    |         | 530     |         |         |         |         |         |         |         |         |
| 11347                              | San Pablo Dam Seismic Valve                        | Construction | 2,424  |         |         |         |         |         | 1,194   | 1,230   |         |         |         |
| 11348                              | Local Dam Safety Reviews                           | Planning     | 1,063  | 93      | 95      | 98      | 101     | 104     | 107     | 111     | 114     | 117     | 121     |
| 11349                              | Camanche and Pardee Seismic and Flood Improvements | Planning     | 1,260  |         |         |         | 495     | 765     |         |         |         |         |         |
| 11349                              | Camanche and Pardee Seismic and Flood Improvements | Design       | 1,324  |         |         |         |         |         |         |         |         |         | 1,324   |
| All Projects                       |  | All Phases   | 20,567 | 273     | 1,156   | 426     | 597     | 869     | 1,302   | 1,341   | 5,213   | 7,946   | 1,445   |

Award Purpose:

Reservoirs - Supply

Award:

7000167-Dam Surveillance Improvements

Lead Department:

Engineering & Construction

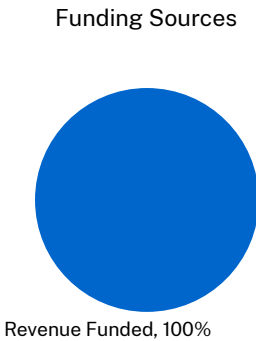
Start Year:

FY 2026

Award Description

This project aims to improve the District’s dam safety surveillance using over 2,000 instruments. These include piezometers for water levels, seepage weirs for flow measure survey instruments for settlements, load cells for spillway loads, crack meters for concrete monitoring, and seismographs for earthquake motions. Notable projects are: Carr and Pardee Surveillance Improvements; Local Reservoir Surveillance Improvements; Remote Operated Vehicle (ROV) Inspections at Camanche and Pardee. Achievements fo 2024 - FY 2025 included submitting instrumentation plans for FERC and DSOD approval. Goals for FY 2026 - FY 2027 include: Piezometer upgrades and automated data sys at Camanche and Pardee reservoirs; Hydrological improvements at Camanche and Pardee, including seepage collection enhancements; ROV inspections at Camanche Dam outlets and Pardee Dam upstream face; Designing instrumentation improvements at local reservoirs. Goals for FY 2028 - FY 2035 include completing installations at Pardee Camanche, replacing non-functional piezometers at Briones and Lafayette dams, and improving the GPS survey system at Camanche and Pardee.

| Appropriations (\$ Thousands) |       |         |         |
|-------------------------------|-------|---------|---------|
| Phase                         | Total | FY 2026 | FY 2027 |
| Planning                      | 92    | 63      | 29      |
| Design                        | 36    | 13      | 23      |
| Construction                  | -     | -       | -       |
| Recurring                     | 243   | 120     | 123     |
| Other                         | -     | -       | -       |
| Total                         | 371   | 195     | 176     |



| Projected Cash Flow (\$ Thousands) |   |              |       |         |         |         |         |         |         |         |         |         |         |
|------------------------------------|---|--------------|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CIP ID                             | Project Title   | Phase        | Total | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
| 11061                              | Camanche and Pardee Drone Mapping                       | Planning     | 355   |         | 164     |         |         |         |         | 191     |         |         |         |
| 11060                              | Camanche and Pardee Surveillance Improvements           | Design       | 104   | 26      | 27      | 16      | 11      | 12      |         |         | 13      |         |         |
| 11060                              | Camanche and Pardee Surveillance Improvements           | Construction | 2,116 | 670     | 690     | 273     | 169     | 174     |         |         | 70      | 72      |         |
| 11059                              | Camanche and Pardee Remote Operated Vehicle Inspections | Planning     | 522   | 350     |         |         | 84      | 87      |         |         |         |         |         |
| 11059                              | Camanche and Pardee Remote Operated Vehicle Inspections | Design       | 198   |         |         |         | 158     | 41      |         |         |         |         |         |
| 11344                              | Local Reservoir Surveillance Improvements               | Design       | 294   | 36      | 69      | 71      |         |         |         |         | 65      | 20      | 34      |
| 11344                              | Local Reservoir Surveillance Improvements               | Construction | 1,935 |         |         |         |         |         | 358     | 246     | 652     | 470     | 208     |
| 11345                              | Embankment Dam Seismic Surveillance and Monitoring      | Design       | 96    | 10      | 34      | 28      |         | 23      |         |         |         |         |         |
| 11346                              | Dam Camera and Global Positioning System Surveillance   | Design       | 66    |         |         |         |         |         |         |         |         | 46      | 20      |
| All Projects                       |   | All Phases   | 5,685 | 1,092   | 983     | 389     | 422     | 336     | 358     | 437     | 799     | 607     | 262     |

Award Purpose:

Reservoirs - Supply

Award:

7000034-Reservoir Tower Modifications

Lead Department:

Engineering & Construction

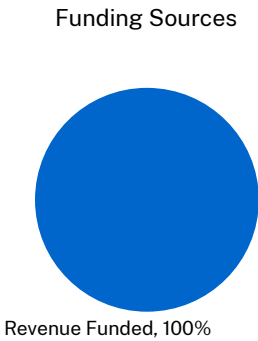
Start Year:

FY 2026

Award Description

This project involves the seismic evaluation, design, and retrofit of six reservoir towers: Pardee Reservoir and the five Terminal Reservoirs. Notable projects include: (1) Lafayette Reservoir Outlet Tower Seismic Retrofit, (2) Briones Reservoir Isolation Valve Relocation, and Reservoir Tower Control Improvements. FY 2024 - FY 2025 accomplishments included: (1) the construction of the Briones Reservoir Tower seismic upgrade, and (2) the design of Lafayette Reservoir Tower safety upgrade. FY 2026 - FY 2027 goals include: (1) construction of the Lafayette Reservoir Tower safety upgrade, and (2) design of the Briones Reservoir isolation valve relocation. FY 2028 - FY 2035 goals include: (1) construction of the Briones Reservoir isolation valve relocation and (2) improvements to the controls for the gates and valves at the reservoir towers to improve safety and re

| Appropriations (\$ Thousands) |        |         |         |
|-------------------------------|--------|---------|---------|
| Phase                         | Total  | FY 2026 | FY 2027 |
| Planning                      | -      | -       | -       |
| Design                        | 878    | 878     | -       |
| Construction                  | 12,529 | 12,529  | -       |
| Recurring                     | -      | -       | -       |
| Other                         | -      | -       | -       |
| Total                         | 13,407 | 13,407  | -       |



| Projected Cash Flow (\$ Thousands) |   |              |        |         |         |         |         |         |         |         |         |         |         |
|------------------------------------|---|--------------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CIP ID                             | Project Title                                     | Phase        | Total  | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
| 11102                              | Lafayette Reservoir Outlet Tower Seismic Retrofit | Construction | 17,647 | 5,871   | 11,776  |         |         |         |         |         |         |         |         |
| 11103                              | Briones Reservoir Isolation Valve Relocation      | Design       | 1,236  | 1,236   |         |         |         |         |         |         |         |         |         |
| 11103                              | Briones Reservoir Isolation Valve Relocation      | Construction | 5,278  |         |         |         |         |         |         |         | 633     | 1,957   | 2,688   |
| 11254                              | Reservoir Tower Control Improvements              | Planning     | 1,177  |         |         |         | 580     | 597     |         |         |         |         |         |
| All Projects                       |   | All Phases   | 25,338 | 7,107   | 11,776  |         | 580     | 597     |         |         | 633     | 1,957   | 2,688   |

Award Purpose:  
**Reservoirs - Supply**

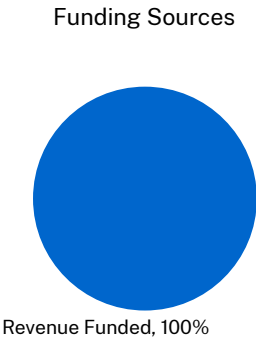
Award:  
**7000225-Water Supply Monitoring System**

|                  |             |
|------------------|-------------|
| Lead Department: | Start Year: |
| Water Operations | FY 2029     |

Award Description

This project provides for the development and improvement of a system for monitoring the Mokelumne and East Bay watersheds for precipitation, diversion, water flow, and level. This monitoring system provides near real-time information for operation and forecasting plans. Work includes monitoring on the Upper Mokelumne, Lower Mokelumne, Pardee, Camanche, and East Bay watersheds and reservoirs.

| Appropriations (\$ Thousands) |       |         |         |
|-------------------------------|-------|---------|---------|
| Phase                         | Total | FY 2026 | FY 2027 |
| Planning                      | -     | -       | -       |
| Design                        | -     | -       | -       |
| Construction                  | -     | -       | -       |
| Recurring                     | -     | -       | -       |
| Other                         | -     | -       | -       |
| Total                         | -     | -       | -       |



| Projected Cash Flow (\$ Thousands) |                             |              |       |         |         |         |         |         |         |         |         |         |         |
|------------------------------------|-----------------------------|--------------|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CIP ID                             | Project Title               | Phase        | Total | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
| 11139                              | Monitoring Station Upgrades | Construction | 4,540 |         |         |         | 438     | 1,413   | 1,458   | 446     | 464     | 156     | 165     |
|                                    | All Projects                | All Phases   | 4,540 |         |         |         | 438     | 1,413   | 1,458   | 446     | 464     | 156     | 165     |

Award Purpose:  
**Supplemental Supply, Regional Agreements**

Award:  
**7000067-Groundwater Resource Development**

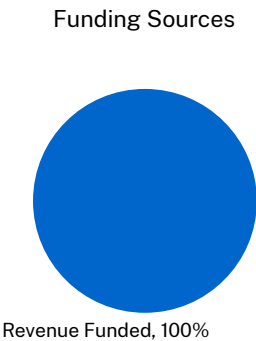
Lead Department:  
Water Resources

Start Year:  
FY 2027

Award Description

The District is actively investigating and developing groundwater resources through groundwater banking in San Joaquin County (SJC), the Bayside program, and feasibility investigations into groundwater banking in Sacramento County. These groundwater programs and projects support the District’s Strategic Plan goals for Long-Term Water Supply by providing supplemental water supply for droughts and emergencies, increasing adaptability to climate change by allowing storage of water when available. FY 2024 - FY 2025 work included completion of the San Joaquin County Demonstration Recharge, Extraction and Aquifer Management (DREAM) pilot facility. FY 2026 - FY 2030 work for SJC groundwater banking includes the rehabilitation of the existing facilities to make them permanent: the Beckman turnout/well and the DREAM Aqueduct tie-in facility and related components. FY 2030 - FY2035 work includes design and construction to further expand the SJC groundwater banking program.

| Appropriations (\$ Thousands) |       |         |         |
|-------------------------------|-------|---------|---------|
| Phase                         | Total | FY 2026 | FY 2027 |
| Planning                      | -     | -       | -       |
| Design                        | -     | -       | -       |
| Construction                  | -     | -       | -       |
| Recurring                     | -     | -       | -       |
| Other                         | -     | -       | -       |
| Total                         | -     | -       | -       |





| Projected Cash Flow (\$ Thousands) |  |              |        |         |         |         |         |         |         |         |         |         |         |
|------------------------------------|--|--------------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CIP ID                             | Project Title                                  | Phase        | Total  | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
| 11196                              | Future Central Valley Groundwater well Project | Planning     | 6,743  |         | 1,122   | 1,156   | 1,191   | 1,227   | 386     | 397     | 409     | 421     | 434     |
| 11196                              | Future Central Valley Groundwater well Project | Design       | 14,703 |         |         |         |         |         | 128     | 132     | 4,455   | 4,589   | 5,400   |
| 11196                              | Future Central Valley Groundwater well Project | Construction | 2,093  |         |         |         |         |         |         |         | 1,031   | 1,062   |         |
| All Projects                       |  | All Phases   | 23,540 |         | 1,122   | 1,156   | 1,191   | 1,227   | 513     | 529     | 5,896   | 6,072   | 5,834   |

Award Purpose:  
**Supplemental Supply, Regional Agreements**

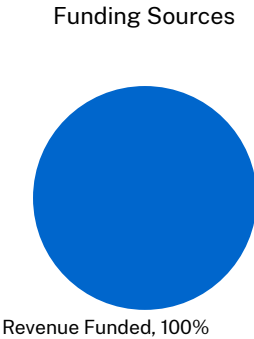
Award:  
**7000314-SGMA Compliance**

Lead Department: Start Year:  
Water Resources FY 2026

Award Description

In 2016 under the Sustainable Groundwater Management Act (SGMA), the District and the City of Hayward (Hayward) became the Groundwater Sustainability Agencies (GSA) for the portions of East Bay Plain Subbasin (Subbasin) that underlie their respective service areas. As GSAs, the District and Hayward required to complete a Groundwater Sustainability Plan (GSP) for the Subbasin and implement associated management actions. The work supports the District's Strategic Plan goals for Water Quality and Environmental Protection and Long-Term Water Supply by protecting the Sub-basin and integrating local groundwater into the District's water supplies. Work is partially funded through a cost-sharing and implementation agreement with Hayward. FY 2024 - FY2025 work included GSP biological surveys and installation of monitoring wells. FY 2026 - FY 2027 work includes preparing the 5-year GSP periodic update, and implementing management actions of installing stream gauges and shallow wells near creeks. The next periodic update to the GSP is planned for FY 2031 - FY 2032.

| Appropriations (\$ Thousands) |       |         |         |
|-------------------------------|-------|---------|---------|
| Phase                         | Total | FY 2026 | FY 2027 |
| Planning                      | 1,003 | 1,003   | -       |
| Design                        | -     | -       | -       |
| Construction                  | -     | -       | -       |
| Recurring                     | 305   | 305     | -       |
| Other                         | -     | -       | -       |
| Total                         | 1,308 | 1,308   | -       |



| Projected Cash Flow (\$ Thousands) |   |              |       |         |         |         |         |         |         |         |         |         |         |
|------------------------------------|---|--------------|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CIP ID                             | Project Title   | Phase        | Total | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
| 11018                              | Sustainable Groundwater Management Act Compliance Program | Planning     | 1,775 | 729     | 274     |         |         |         | 653     | 119     |         |         |         |
| 11018                              | Sustainable Groundwater Management Act Compliance Program | Construction | 305   | 150     | 155     |         |         |         |         |         |         |         |         |
| All Projects                       |   | All Phases   | 2,081 | 880     | 429     |         |         |         | 653     | 119     |         |         |         |

Award Purpose:  
**Supplemental Supply, Regional Agreements**

Award:  
**New-Upper Mokelumne River Watershed Authority - Water Supply Project**

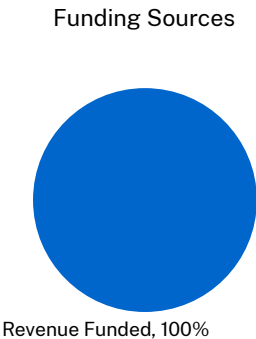
Lead Department:  
Water Resources

Start Year:  
FY 2033

Award Description

The Upper Mokelumne River Watershed Authority (UMRWA) is implementing a phased Forest Projects Plan (FPP) to conduct forest remediation and fuel reduction work in the upper Mokelumne watershed. Accelerating the pace of this work could benefit the District by reducing the risk of extreme fire in the watershed (which could significantly impact water quality), potentially obtaining carbon credits, and increasing the amount of runoff. New water created under such an approach could theoretically be stored for use during drought. UMRWA is partially funding/financing this work through a Forest Resilience Bond (FRB) administered by Blue Forest, a nonprofit. The District is investing in the FRB pilot, with the goals of quantifying the benefits of this work and determining the extent to which its investment can be leveraged to secure additional funding. Benefits include improved forest health in the upper watershed, reduced risk of fire that impacts water quality, and increased water supply reliability, and the potential for obtaining carbon credits. FY 2028- FY 2035 will include a pilot project that, if successful, could demonstrate the creation of "new water" to the State Water Resources Control Board or lead to the development of a new source of carbon credits to help the District meet its climate goals.

| Appropriations (\$ Thousands) |       |         |         |
|-------------------------------|-------|---------|---------|
| Phase                         | Total | FY 2026 | FY 2027 |
| Planning                      | -     | -       | -       |
| Design                        | -     | -       | -       |
| Construction                  | -     | -       | -       |
| Recurring                     | -     | -       | -       |
| Other                         | -     | -       | -       |
| Total                         | -     | -       | -       |



| Projected Cash Flow (\$ Thousands) |  |              |       |         |         |         |         |         |         |         |         |         |         |
|------------------------------------|--|--------------|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CIP ID                             | Project Title  | Phase        | Total | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
| 11202                              | Upper Mokelumne River Watershed Authority - Water Supply Project | Construction | 1,566 |         |         |         |         |         |         |         | 507     | 522     | 538     |
|                                    | All Projects   | All Phases   | 1,566 |         |         |         |         |         |         |         | 507     | 522     | 538     |

Award Purpose:  
**Supplemental Supply, Regional Agreements**

Award:  
**7100007-Water Rights, Licenses & Plans**

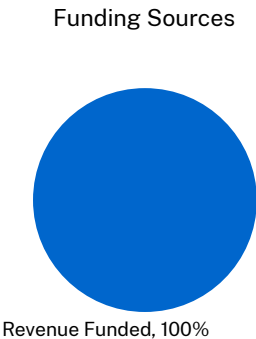
Lead Department:  
Water Resources

Start Year:  
FY 2026

Award Description

Water Rights, Licenses, and Plans includes programs and projects that meet the criteria of capitalized intangible assets associated with the District’s license to operate its hydropower facilities, long-term water supply planning, and assessments and improvements necessary to protect the District’s water rights. Major projects include renewal District’s license with the Federal Energy Regulatory Commission (FERC), ongoing compliance with the existing FERC license, completing the District’s Urban Water Manage Plan (UWMP) and associated climate change analysis, and water right petitions. FY 2024 - FY 2025 work included initiating the FERC relicensing process and securing a consultant to help support climate change analysis for the 2025 UWMP. FY 2026 - FY 2027 goals include major milestones associated with FERC relicensing (e.g., submittal Application Document and Notice of Intent, initiating supporting studies), conducting major inspections and reviews required from the existing FERC license, completing the UWMP (to be submitted in June 2026), and noticing several water right petitions. FY 2028 - FY 2035 goals include securing a new FERC license, ensuring compliance with th newly issued FERC license, completing the 2030 UWMP (submitted in June 2031), and securing water right orders from the State Board for completed petitions.

| Appropriations (\$ Thousands) |       |         |         |
|-------------------------------|-------|---------|---------|
| Phase                         | Total | FY 2026 | FY 2027 |
| Planning                      | 8,864 | 8,864   | -       |
| Design                        | -     | -       | -       |
| Construction                  | -     | -       | -       |
| Recurring                     | -     | -       | -       |
| Other                         | -     | -       | -       |
| Total                         | 8,864 | 8,864   | -       |



| Projected Cash Flow (\$ Thousands) |   |            |        |         |         |         |         |         |         |         |         |         |         |
|------------------------------------|---|------------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CIP ID                             | Project Title   | Phase      | Total  | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
| 11031                              | Federal Energy Regulatory Commission (FERC)<br>- License Relicensing  | Planning   | 9,198  | 773     | 3,413   | 3,918   | 886     | 118     | 87      | 4       |         |         |         |
| 11031                              | Federal Energy Regulatory Commission (FERC)<br>- License Relicensing  | Other      | 189    |         |         | 87      | 101     |         |         |         |         |         |         |
| 11192                              | Federal Energy Regulatory Commission (FERC)<br>- License Requirements | Planning   | 3,887  | 569     | 817     | 677     | 1,013   | 811     |         |         |         |         |         |
| 11193                              | Water Rights  | Planning   | 4,740  | 1,818   | 1,076   | 208     | 214     | 220     | 227     | 234     | 241     | 248     | 255     |
| 11194                              | Urban Water Management Plan   | Planning   | 4,695  | 536     | 1,273   | 1,311   | 402     | 325     | 143     |         |         | 261     | 443     |
| All Projects                       |   | All Phases | 22,709 | 3,695   | 6,579   | 6,202   | 2,616   | 1,474   | 457     | 238     | 241     | 509     | 699     |

Award Purpose:  
**Sustainable Energy**

Award:  
**7000273-Enhanced Power Revenue**

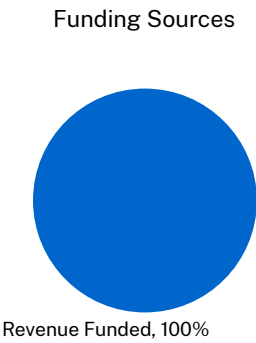
Lead Department:  
Water Operations

Start Year:  
FY 2026

Award Description

This project provides ongoing funding for the development of renewable generation projects or purchase of renewable energy to support the Energy Policy goal to reduce in greenhouse gas emissions to zero by 2030. The project also supports efforts to fund projects that directly reduce energy consumption and energy expenses.

| Appropriations (\$ Thousands) |       |         |         |
|-------------------------------|-------|---------|---------|
| Phase                         | Total | FY 2026 | FY 2027 |
| Planning                      | -     | -       | -       |
| Design                        | -     | -       | -       |
| Construction                  | 50    | 50      | -       |
| Recurring                     | -     | -       | -       |
| Other                         | -     | -       | -       |
| Total                         | 50    | 50      | -       |





| Projected Cash Flow (\$ Thousands) |   |              |       |         |         |         |         |         |         |         |         |         |         |
|------------------------------------|---|--------------|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CIP ID                             | Project Title                                     | Phase        | Total | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
| 11150                              | Enhanced Power Revenue                            | Planning     | 450   |         |         |         | 450     |         |         |         |         |         |         |
| 11391                              | Duffel Photovoltaic Mitigation Measures           | Construction | 113   |         |         |         | 113     |         |         |         |         |         |         |
| 11154                              | Turnkey Photovoltaic Systems (Stockton & Oakland) | Construction | 103   | 103     |         |         |         |         |         |         |         |         |         |
| All Projects                       |   | All Phases   | 666   | 103     |         |         | 563     |         |         |         |         |         |         |

Award Purpose:  
**Sustainable Energy**

Award:  
**7000117-Powerhouse Improvements**

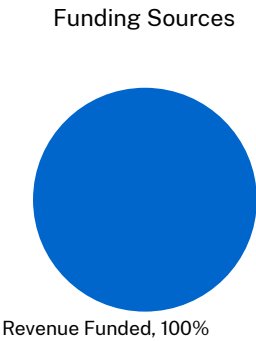
Lead Department:  
Water Operations

Start Year:  
FY 2026

Award Description

This project provides for replacement and improvements of electrical and mechanical equipment such as turbines, generators, breakers, protective relays, valves, pipeline, a conduits to ensure reliable power production, management of river flows, and remote operation and monitoring of critical systems. FY 2026 - FY 2032 work consists of upgrade powerhouse controls and programmable logic controllers, overhauling turbines, high voltage circuit breaker and transformer replacement, security improvements and access improvements.

| Appropriations (\$ Thousands) |       |         |         |
|-------------------------------|-------|---------|---------|
| Phase                         | Total | FY 2026 | FY 2027 |
| Planning                      | -     | -       | -       |
| Design                        | -     | -       | -       |
| Construction                  | -     | -       | -       |
| Recurring                     | 1,500 | 1,000   | 500     |
| Other                         | -     | -       | -       |
| Total                         | 1,500 | 1,000   | 500     |



| Projected Cash Flow (\$ Thousands) |   |            |        |         |         |         |         |         |         |         |         |         |         |
|------------------------------------|---|------------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CIP ID                             | Project Title                           | Phase      | Total  | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
| 11129                              | Camanche Powerhouse System Improvements | Recurring  | 6,465  | 917     |         | 1,410   | 1,604   | 667     | 316     | 769     | 253     | 261     | 269     |
| 11130                              | Pardee Powerhouse System Improvements   | Recurring  | 9,645  | 1,416   | 1,411   | 1,912   | 1,204   | 1,049   | 484     | 498     | 513     | 613     | 544     |
| All Projects                       |   | All Phases | 16,110 | 2,333   | 1,411   | 3,322   | 2,808   | 1,716   | 800     | 1,267   | 766     | 874     | 813     |

Award Purpose:  
Vehicles, Equipment & Related Facilities

Award:  
7000066-Diesel Engine Retrofit

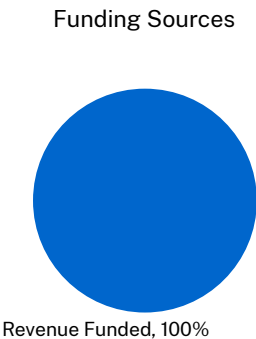
Lead Department:  
Water Operations

Start Year:  
FY 2033

Award Description

The California Air Resources Board (CARB) establishes and enforces regulations for air emissions. Fines and civil actions can result from noncompliance with established deadlines. These projects are required to comply with CARB. This project will install Best Available Control Technology on off-road, on-road, portable and stationary diesel engines to comply with air quality regulations. All portable diesel engines greater than 50 horsepower must meet regulations for diesel particulate matter.

| Appropriations (\$ Thousands) |       |         |         |
|-------------------------------|-------|---------|---------|
| Phase                         | Total | FY 2026 | FY 2027 |
| Planning                      | -     | -       | -       |
| Design                        | -     | -       | -       |
| Construction                  | -     | -       | -       |
| Recurring                     | -     | -       | -       |
| Other                         | -     | -       | -       |
| Total                         | -     | -       | -       |



| Projected Cash Flow (\$ Thousands) |                          |              |       |         |         |         |         |         |         |         |         |         |         |
|------------------------------------|--------------------------|--------------|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CIP ID                             | Project Title            | Phase        | Total | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
| 11148                              | On Road Diesel Eng Retro | Construction | 4,467 |         |         |         |         |         |         |         | 975     | 1,070   | 2,422   |
|                                    | All Projects             | All Phases   | 4,467 |         |         |         |         |         |         |         | 975     | 1,070   | 2,422   |

Award Purpose:  
**Vehicles, Equipment & Related Facilities**

Award:  
**7000023-Fleet & Equipment Additions**

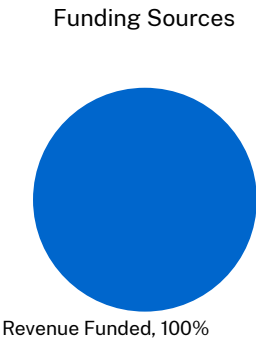
Lead Department:  
Maintenance & Construction

Start Year:  
FY 2026

Award Description

This ongoing project serves to acquire additions to the fleet resulting from new positions that require a vehicle to perform necessary job responsibilities, or changing demand in the existing workforce and redirection of priorities. Vehicles and equipment includes backhoes, dump trucks, trailers, utility trucks, sedans or SUVs, saw trucks and water trucks. In FY 2026 - FY 2027, necessary equipment will be purchased to outfit additional staff, including new Pipeline Rebuild crews, replace long-term leased vehicles, and decrease the reliance on contracting out.

| Appropriations (\$ Thousands) |       |         |         |
|-------------------------------|-------|---------|---------|
| Phase                         | Total | FY 2026 | FY 2027 |
| Planning                      | -     | -       | -       |
| Design                        | -     | -       | -       |
| Construction                  | -     | -       | -       |
| Recurring                     | -     | -       | -       |
| Other                         | 862   | 745     | 117     |
| Total                         | 862   | 745     | 117     |



| Projected Cash Flow (\$ Thousands) |                               |              |       |         |         |         |         |         |         |         |         |         |         |
|------------------------------------|-------------------------------|--------------|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CIP ID                             | Project Title                 | Phase        | Total | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
| 11116                              | Fleet and Equipment Additions | Construction | 862   | 745     | 117     |         |         |         |         |         |         |         |         |
|                                    | All Projects                  | All Phases   | 862   | 745     | 117     |         |         |         |         |         |         |         |         |

Award Purpose:  
Vehicles, Equipment & Related Facilities

Award:  
7000022-Fleet & Equipment Replacement & Purchases

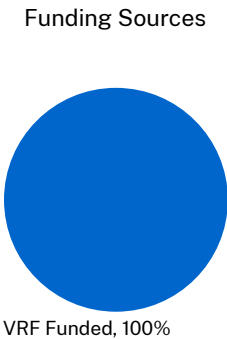
Lead Department:  
Maintenance & Construction

Start Year:  
FY 2026

Award Description

The District's Vehicle Study indicates that the criteria used for evaluating replacement needs provides the best means of fleet management for replacing vehicles and equipment in a timely and cost effective manner. In FY 2026 Fleet will replace 208 vehicles and equipment and in FY 2027, Fleet will replace 131 vehicles and pieces of equipment. This keeps Fleet on track with replacing vehicles and equipment before they become too costly to maintain and also keeps us in compliance with the California Air Resources Board (CARB) and their Advanced Clean Fleet Rule (ACF) as well as the District's overall goal to reduce greenhouse gas emissions. This award manages the replacement process for vehicle and equipment system-wide.

| Appropriations (\$ Thousands) |        |         |         |
|-------------------------------|--------|---------|---------|
| Phase                         | Total  | FY 2026 | FY 2027 |
| Planning                      | -      | -       | -       |
| Design                        | -      | -       | -       |
| Construction                  | -      | -       | -       |
| Recurring                     | 35,154 | 21,362  | 13,792  |
| Other                         | -      | -       | -       |
| Total                         | 35,154 | 21,362  | 13,792  |





| Projected Cash Flow (\$ Thousands) |                                 |            |         |         |         |         |         |         |         |         |         |         |         |
|------------------------------------|---------------------------------|------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CIP ID                             | Project Title                   | Phase      | Total   | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
| 11115                              | Fleet and Equipment Replacement | Recurring  | 132,323 | 21,362  | 13,792  | 10,927  | 11,255  | 11,593  | 11,941  | 12,299  | 12,668  | 13,048  | 13,439  |
|                                    | All Projects                    | All Phases | 132,323 | 21,362  | 13,792  | 10,927  | 11,255  | 11,593  | 11,941  | 12,299  | 12,668  | 13,048  | 13,439  |

Award Purpose:

Water Recycling & Conservation

Award:

7000036-DERWA

Lead Department:

Water Resources

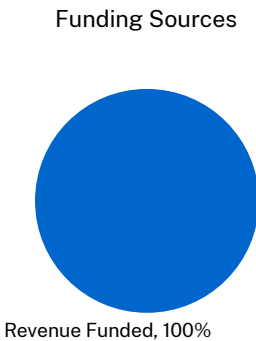
Start Year:

FY 2026

Award Description

DSRSD-EBMUD Recycled Water Authority (DERWA) is a joint project with Dublin San Ramon Service District (DSRSD). Recycled water from DSRSD used for landscape irrigation in San Ramon, Danville and Blackhawk. DERWA supports the District’s strategic planning goal of Long-Term Water Supply through water recycling. FY 2024 - FY 2025 work included replacements and upgrades of capital components of the DERWA facility. FY 2026 - FY 2030 includes DERWA capital projects identified in the DERWA capital budget. EBMUD pays a share of costs: securing supplemental supplies including diversion of wastewater from Central Contra Costa Sanitary District, treatment plant and distribution system replacement costs, HVAC replacements, VFD and SCADA improvements, valve rehabilitation, gate replacements, backwash analysis studies, and decommissioning of microfiltration facility. Ongoing treatment plant and distribution system equipment replacement occurs annually.

| Appropriations (\$ Thousands) |       |         |         |
|-------------------------------|-------|---------|---------|
| Phase                         | Total | FY 2026 | FY 2027 |
| Planning                      | -     | -       | -       |
| Design                        | -     | -       | -       |
| Construction                  | -     | -       | -       |
| Recurring                     | -     | -       | -       |
| Other                         | -     | -       | -       |
| Total                         | -     | -       | -       |



| Projected Cash Flow (\$ Thousands) |                                    |              |       |         |         |         |         |         |         |         |         |         |         |
|------------------------------------|------------------------------------|--------------|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CIP ID                             | Project Title                      | Phase        | Total | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
| 11019                              | DERWA EBMUD Share Capital Projects | Planning     | 266   | 101     | 127     | 15      | 11      | 12      |         |         |         |         |         |
| 11019                              | DERWA EBMUD Share Capital Projects | Design       | 95    |         | 95      |         |         |         |         |         |         |         |         |
| 11019                              | DERWA EBMUD Share Capital Projects | Construction | 835   | 262     | 485     | 89      |         |         |         |         |         |         |         |
| 11020                              | DERWA Capital Replacements         | Planning     | 22    | 4       | 4       | 4       | 5       | 5       |         |         |         |         |         |
| 11020                              | DERWA Capital Replacements         | Construction | 339   | 64      | 66      | 68      | 70      | 72      |         |         |         |         |         |
| All Projects                       |                                    | All Phases   | 1,558 | 431     | 778     | 176     | 86      | 88      |         |         |         |         |         |

Award Purpose:  
**Water Recycling & Conservation**

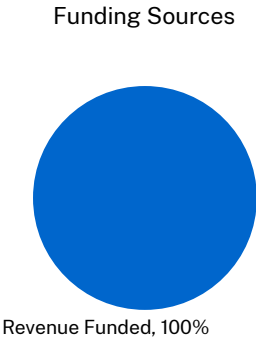
Award:  
**7000035-East Bayshore**

|                  |             |
|------------------|-------------|
| Lead Department: | Start Year: |
| Water Resources  | FY 2026     |

Award Description

The East Bayshore Recycled Water Project (EBRWP) currently provides up to 0.2 million gallons per day (MGD) of recycled water to customers in Oakland and Emeryville for irrigation use. EBRWP supports the District’s Strategic Plan goal of Long-Term Water Supply through water recycling. FY 2024 - FY 2025 work included water quality improvement evaluation, update of distribution system hydraulic modeling, customer retrofits, and the beginning of a project to create a new Estuary pipeline crossing to Alameda. Treatment upgrades are planned to be completed in FY 2029 to improve the EBRWP recycled water quality. Phase 2 of EBRWP will expand recycled water service to Alameda. Design of estuary crossing pipeline to Alameda (slip-lining existing pipe) will be completed in FY 2026 and construction will begin in FY 2027. The rest of the facilities required to expand recycled water service to Alameda will be phased from FY 2028 to FY 2041 including pipelines and customer retrofits. Phase 2 of EBRWP will also include expansion in Emeryville. Oakland to be completed in FY 2036. When completed, Phase 2 will provide up to an additional 0.68 MGD of recycled water for irrigation use.

| Appropriations (\$ Thousands) |       |         |         |
|-------------------------------|-------|---------|---------|
| Phase                         | Total | FY 2026 | FY 2027 |
| Planning                      | -     | -       | -       |
| Design                        | -     | -       | -       |
| Construction                  | -     | -       | -       |
| Recurring                     | -     | -       | -       |
| Other                         | -     | -       | -       |
| Total                         | -     | -       | -       |



## Projected Cash Flow (\$ Thousands)

| CIP ID       | Project Title   | Phase        | Total  | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
|--------------|---|--------------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 11023        | Emeryville Distribution                                   | Planning     | 1,248  |         |         |         |         |         |         |         | 323     | 359     | 566     |
| 11023        | Emeryville Distribution                                   | Design       | 1,192  |         |         |         |         |         |         |         |         | 587     | 605     |
| 11023        | Emeryville Distribution                                   | Construction | 7,403  |         |         |         |         |         |         |         |         | 3,647   | 3,756   |
| 11023        | Emeryville Distribution                                   | Other        | 8      |         |         |         |         |         |         |         | 3       | 3       | 3       |
| 11024        | Customer Retrofits Phase 1A                               | Planning     | 428    |         | 11      | 33      | 56      | 81      | 84      | 61      | 63      | 39      |         |
| 11024        | Customer Retrofits Phase 1A                               | Design       | 598    |         |         | 78      | 80      | 83      | 85      | 88      | 90      | 93      |         |
| 11024        | Customer Retrofits Phase 1A                               | Construction | 1,604  |         |         |         | 209     | 216     | 222     | 229     | 236     | 243     | 250     |
| 11030        | East Bayshore Estuary Pipeline                            | Planning     | 41     | 41      |         |         |         |         |         |         |         |         |         |
| 11030        | East Bayshore Estuary Pipeline                            | Design       | 144    | 144     |         |         |         |         |         |         |         |         |         |
| 11030        | East Bayshore Estuary Pipeline                            | Construction | 78     | 46      | 32      |         |         |         |         |         |         |         |         |
| 11197        | East Bayshore Alameda Distribution and Customer Retrofits | Planning     | 3,409  |         | 404     | 416     | 429     | 442     | 455     | 622     | 641     |         |         |
| 11197        | East Bayshore Alameda Distribution and Customer Retrofits | Design       | 7,554  |         |         | 860     | 886     | 912     | 940     | 968     | 1,472   | 1,516   |         |
| 11197        | East Bayshore Alameda Distribution and Customer Retrofits | Construction | 32,261 |         |         | 3,022   | 3,113   | 3,207   | 3,303   | 3,402   | 5,246   | 5,403   | 5,565   |
| 11197        | East Bayshore Alameda Distribution and Customer Retrofits | Other        | 18     | 2       | 2       | 2       | 2       | 2       | 2       | 2       | 3       |         |         |
| 11200        | East Bayshore Upgrades                                    | Planning     | 155    | 155     |         |         |         |         |         |         |         |         |         |
| 11200        | East Bayshore Upgrades                                    | Design       | 101    |         |         |         | 101     |         |         |         |         |         |         |
| 11200        | East Bayshore Upgrades                                    | Construction | 405    |         |         |         | 405     |         |         |         |         |         |         |
| All Projects |   | All Phases   | 56,648 | 388     | 449     | 4,412   | 5,282   | 4,942   | 5,091   | 5,373   | 8,076   | 11,890  | 10,745  |

Award Purpose:  
**Water Recycling & Conservation**

Award:  
**7000315-North Richmond Recycled Water Plant**

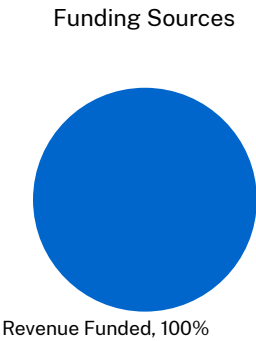
Lead Department:  
Water Resources

Start Year:  
FY 2028

Award Description

The North Richmond Water Recycling Plant (NRWRP) provides tertiary treatment to wastewater effluent from West County Wastewater District for use in the Chevron refinery cooling towers. NRWRP supports the District’s Strategic Plan goal of Long-Term Water Supply through water recycling. FY 2024 - FY 2025 work included an unplanned replacement of the sand filters. FY 2028 - FY 2035 planned improvements include chemical feed pump replacements, clarifier and thickener drive replacements, thickener t rehabilitation, process water pipe replacements, and sand filter baffles replacement.

| Appropriations (\$ Thousands) |       |         |         |
|-------------------------------|-------|---------|---------|
| Phase                         | Total | FY 2026 | FY 2027 |
| Planning                      | -     | -       | -       |
| Design                        | -     | -       | -       |
| Construction                  | -     | -       | -       |
| Recurring                     | -     | -       | -       |
| Other                         | -     | -       | -       |
| Total                         | -     | -       | -       |



| Projected Cash Flow (\$ Thousands) |   |              |        |         |         |         |         |         |         |         |         |         |         |
|------------------------------------|---|--------------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CIP ID                             | Project Title   | Phase        | Total  | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
| 11026                              | North Richmond Water Reclamation Plant Improvements Phase 3 | Design       | 1,351  |         |         | 1,351   |         |         |         |         |         |         |         |
| 11026                              | North Richmond Water Reclamation Plant Improvements Phase 3 | Construction | 7,831  |         |         |         | 7,831   |         |         |         |         |         |         |
| 11028                              | North Richmond Water Reclamation Plant RCER FY24-25         | Recurring    | 4,890  |         |         |         | 574     | 591     | 609     | 1,119   | 646     | 665     | 685     |
| 11203                              | North Richmond Water Reclamation Plant Condition Assessment | Planning     | 86     |         |         |         | 86      |         |         |         |         |         |         |
| All Projects                       |   | All Phases   | 14,158 |         |         | 1,351   | 8,491   | 591     | 609     | 1,119   | 646     | 665     | 685     |

Award Purpose:  
**Water Recycling & Conservation**

Award:  
**7000160-RARE - Chevron Funded**

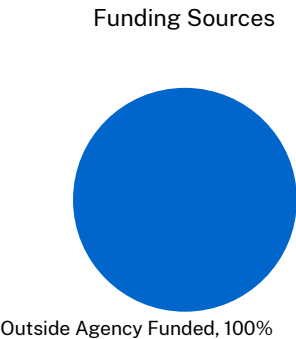
Lead Department:  
Water Resources

Start Year:  
FY 2026

Award Description

The Richmond Advanced Recycled Expansion (RARE) Water Project provides up to 3.5 MGD of recycled water to the Chevron refinery for boiler feedwater applications to cor the use of potable water. RARE supports the District’s Strategic Plan goal of Long-Term Water Supply through water recycling, and improvements are funded by Chevron. FY - FY2025 work included microfiltration module replacement, new Reverse Osmosis (RO) feed pumps and clean-in-place pump replacements, and sodium hypochlorite tank r In FY 2026 - FY2035 equipment will be replaced and upgraded at RARE including RO membranes, instruments and analyzers, and the waste equalization tank and neutraliza system.

| Appropriations (\$ Thousands) |       |         |         |
|-------------------------------|-------|---------|---------|
| Phase                         | Total | FY 2026 | FY 2027 |
| Planning                      | -     | -       | -       |
| Design                        | 214   | -       | 214     |
| Construction                  | -     | -       | -       |
| Recurring                     | 1,901 | 1,409   | 492     |
| Other                         | -     | -       | -       |
| Total                         | 2,116 | 1,409   | 707     |





| Projected Cash Flow (\$ Thousands) |  |              |        |         |         |         |         |         |         |         |         |         |         |
|------------------------------------|--|--------------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CIP ID                             | Project Title                                    | Phase        | Total  | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
| 11027                              | Richmond Advance Recycled Expansion RCER FY24-25 | Design       | 214    |         | 214     |         |         |         |         |         |         |         |         |
| 11027                              | Richmond Advance Recycled Expansion RCER FY24-25 | Construction | 1,690  |         |         | 1,690   |         |         |         |         |         |         |         |
| 11027                              | Richmond Advance Recycled Expansion RCER FY24-25 | Recurring    | 13,317 | 1,409   | 492     | 532     | 2,068   | 592     | 610     | 1,767   | 647     | 1,189   | 4,010   |
| All Projects                       |  | All Phases   | 15,222 | 1,409   | 707     | 2,223   | 2,068   | 592     | 610     | 1,767   | 647     | 1,189   | 4,010   |

Award Purpose:

Water Recycling & Conservation

Award:

7000071-San Ramon Valley Recycled Water

Lead Department:

Start Year:

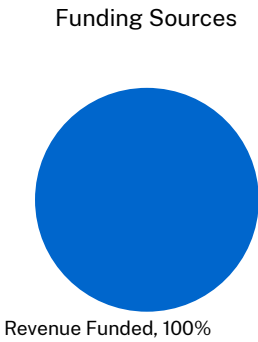
Water Resources

FY 2026

Award Description

The San Ramon Valley Recycled Water Program provides recycled water to offset drinking water that was previously used for landscape irrigation in the San Ramon Valley. The program meets the District's Strategic Plan goal of Long-Term Water Supply through water recycling. FY2024 and FY 2025 work included automated meter infrastructure installation on the large recycled water irrigation meters and continuation of customer retrofits. Design for Pump Station R3000 anticipated to begin in FY 2026 with construction completion in FY 2028 - FY 2029. Design for Phases 3 pipelines anticipated in FY 2027 - FY 2028 with construction in FY 2029 - FY 2030. Phase 3 site retrofits will complete FY 2031. Phase 5 (Blackhawk West) anticipated to be completed in FY 2033.

| Appropriations (\$ Thousands) |       |         |         |
|-------------------------------|-------|---------|---------|
| Phase                         | Total | FY 2026 | FY 2027 |
| Planning                      | -     | -       | -       |
| Design                        | -     | -       | -       |
| Construction                  | -     | -       | -       |
| Recurring                     | -     | -       | -       |
| Other                         | -     | -       | -       |
| Total                         | -     | -       | -       |



| Projected Cash Flow (\$ Thousands) |                                     |              |        |         |         |         |         |         |         |         |         |         |         |
|------------------------------------|-------------------------------------|--------------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CIP ID                             | Project Title                       | Phase        | Total  | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
| 11017                              | EBMUD/SRV Distribution Pipelines    | Planning     | 1,997  | 299     | 223     | 317     | 428     | 301     | 430     |         |         |         |         |
| 11017                              | EBMUD/SRV Distribution Pipelines    | Design       | 1,982  | 1,277   | 286     | 87      | 191     | 139     |         |         |         |         |         |
| 11017                              | EBMUD/SRV Distribution Pipelines    | Construction | 27,484 |         |         | 11,353  | 11,694  | 591     | 3,845   |         |         |         |         |
| 11025                              | San Ramon Valley Customer Retrofits | Planning     | 451    | 41      | 42      | 66      | 68      | 151     | 84      |         |         |         |         |
| 11025                              | San Ramon Valley Customer Retrofits | Design       | 497    | 155     |         |         | 169     | 174     |         |         |         |         |         |
| 11025                              | San Ramon Valley Customer Retrofits | Construction | 2,835  | 21      | 1,857   | 33      | 68      | 464     | 394     |         |         |         |         |
| All Projects                       |                                     | All Phases   | 35,246 | 1,792   | 2,408   | 11,856  | 12,617  | 1,820   | 4,752   |         |         |         |         |

Award Purpose:

Water Treatment

Award:

7000299-Pardee Center Capital Maintenance & Improvements

Lead Department:

Water Operations

Start Year:

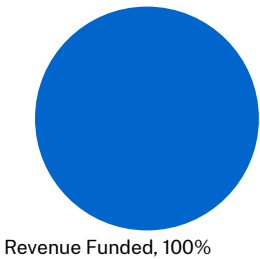
FY 2026

Award Description

This project provides for replacement and improvements to the Pardee Center Wastewater Treatment Plant, office and lodging buildings and grounds, roads, conference cen and power poles to ensure safe and reliable systems that comply with operational and regulatory requirements.

| Appropriations (\$ Thousands) |       |         |         |
|-------------------------------|-------|---------|---------|
| Phase                         | Total | FY 2026 | FY 2027 |
| Planning                      | -     | -       | -       |
| Design                        | -     | -       | -       |
| Construction                  | -     | -       | -       |
| Recurring                     | 4,484 | 2,833   | 1,651   |
| Other                         | -     | -       | -       |
| Total                         | 4,484 | 2,833   | 1,651   |

Funding Sources



| Projected Cash Flow (\$ Thousands) |   |            |        |         |         |         |         |         |         |         |         |         |         |
|------------------------------------|---|------------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CIP ID                             | Project Title                                       | Phase      | Total  | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
| 11135                              | FY22 Pardee Center Capital Municipal and Industrial | Recurring  | 13,535 | 2,833   | 1,651   | 1,918   | 1,747   | 1,336   | 991     | 749     | 1,131   | 647     | 533     |
|                                    | All Projects  | All Phases | 13,535 | 2,833   | 1,651   | 1,918   | 1,747   | 1,336   | 991     | 749     | 1,131   | 647     | 533     |

Award Purpose:

Water Treatment

Award:

7000090-Treatment Plant Upgrades

Lead Department:

Engineering & Construction

Start Year:

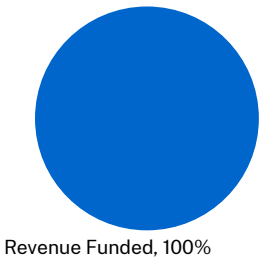
FY 2026

Award Description

This project includes the planning, design, and construction of improvements to the District’s six water treatment plants (WTPs) in order to strengthen the performance, reliability and resiliency of the treatment system. FY 2025 work included construction of Orinda WTP Disinfection and the Chemical Safety System Improvements Project, Upper San Leandro (USL) WTP Maintenance and Reliability and USL and Sobrante Chemical Safety System Improvements Project, Lafayette WTP Control Systems Improvements, and completion of the San Pablo Reservoir Hypolimnetic Oxygenation System (HOS) and the Orinda, Lafayette, and Walnut Creek WTPs Carbonic Acid Storage and Feed Control Systems Projects. FY 2026 - FY 2027 work includes construction of Orinda WTP Disinfection and the Chemical Safety System Improvements Project, USL WTP Maintenance Reliability and USL and Sobrante Chemical Safety System Improvements projects, Lafayette WTP Control Systems Improvements, Walnut Creek WTP and Lafayette WTP Chemical Safety Systems Project; design and start of construction of Walnut Creek WTP Filters Improvements Project, Walnut Creek WTP Control Systems Refresh Project design of Walnut Creek WTP Pretreatment Project, Briones Reservoir HOS and planning for Orinda WTP washwater lift station and residuals and WTP standby power improvements. FY 2028 - 2035 work includes construction of the Orinda WTP Disinfection and the Chemical Safety System Improvements Project, USL WTP Maintenance and Reliability and USL and Sobrante Chemical Safety System Improvements Project, Walnut Creek WTP and Lafayette WTP Chemical Safety Systems Project, Walnut Creek WTP Filters Improvements Project, Walnut Creek WTP Control Systems Refresh, Water Quality Research Facility, and Walnut Creek WTP Pretreatment Project. Design of the Orinda WTP Washwater Lift Station and Residuals Project and WTP Valve Reliability Project will also begin.

| Appropriations (\$ Thousands) |         |         |         |
|-------------------------------|---------|---------|---------|
| Phase                         | Total   | FY 2026 | FY 2027 |
| Planning                      | 1,078   | 442     | 637     |
| Design                        | 11,210  | 11,142  | 68      |
| Construction                  | 90,765  | 62,791  | 27,974  |
| Recurring                     | -       | -       | -       |
| Other                         | -       | -       | -       |
| Total                         | 103,053 | 74,374  | 28,679  |

Funding Sources



## Projected Cash Flow (\$ Thousands)

| CIP ID | Project Title   | Phase        | Total   | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
|--------|---|--------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 11112  | Sobrante Water Treatment Plant Improvements<br>Environmental Impact Report            | Design       | 7,853   |         |         |         |         |         |         |         |         | 2,566   | 5,287   |
| 11106  | Upper San Leandro Water Treatment Plant<br>Reliability Improvements                   | Construction | 187,234 | 60,630  | 62,450  | 64,154  |         |         |         |         |         |         |         |
| 11105  | Orinda Water Treatment Plant Disinfection and<br>Chemical Systems Safety Improvements | Construction | 122,762 | 58,746  | 43,107  | 20,909  |         |         |         |         |         |         |         |
| 11109  | Walnut Creek Water Treatment Plant<br>Pretreatment Project                            | Design       | 9,334   | 2,661   | 3,289   | 2,259   | 1,126   |         |         |         |         |         |         |
| 11109  | Walnut Creek Water Treatment Plant<br>Pretreatment Project                            | Construction | 247,980 |         |         |         |         | 22,037  | 50,274  | 65,391  | 73,654  | 36,624  |         |
| 11108  | Lafayette Water Treatment Plant Control<br>Systems Improvements                       | Construction | 1,431   | 1,431   |         |         |         |         |         |         |         |         |         |
| 11111  | Walnut Creek Water Treatment Plant Filters<br>Improvements                            | Construction | 32,627  |         | 518     | 12,839  | 12,894  | 6,376   |         |         |         |         |         |
| 11107  | Water Treatment Plants Chemical Safety<br>Improvements                                | Construction | 65,747  | 16,437  | 19,185  | 20,842  | 9,284   |         |         |         |         |         |         |
| 11110  | Walnut Creek Water Treatment Plant Control<br>Systems Refresh                         | Design       | 670     | 670     |         |         |         |         |         |         |         |         |         |
| 11110  | Walnut Creek Water Treatment Plant Control<br>Systems Refresh                         | Construction | 6,056   | 1,685   | 3,729   | 642     |         |         |         |         |         |         |         |
| 11113  | Water Quality Research Facility   | Construction | 7,997   |         |         |         | 3,939   | 4,057   |         |         |         |         |         |
| 11227  | Water Treatment Plant Valve Reliability Study   | Planning     | 454     |         |         |         | 338     | 116     |         |         |         |         |         |
| 11227  | Water Treatment Plant Valve Reliability Study   | Design       | 1,180   |         |         |         |         | 464     | 716     |         |         |         |         |
| 11228  | Water Treatment Plant Standby Power Study   | Planning     | 1,067   | 206     | 424     | 437     |         |         |         |         |         |         |         |
| 11228  | Water Treatment Plant Standby Power Study   | Design       | 2,426   |         |         |         | 506     | 638     |         |         | 760     | 522     |         |
| 11230  | Briones Reservoir Water Quality Improvement<br>Study                                  | Design       | 1,167   | 227     | 700     | 240     |         |         |         |         |         |         |         |
| 11231  | Water Treatment Plant Controls System<br>Cybersecurity                                | Design       | 886     | 77      | 80      | 82      | 84      | 87      | 90      | 92      | 95      | 98      | 101     |
| 11232  | Orinda Water Treatment Plant Washwater Lift<br>Station and Residuals Study            | Planning     | 627     | 309     | 318     |         |         |         |         |         |         |         |         |
| 11232  | Orinda Water Treatment Plant Washwater Lift<br>Station and Residuals Study            | Design       | 1,929   |         |         | 1,339   | 591     |         |         |         |         |         |         |

| Projected Cash Flow (\$ Thousands) |               |            |         |         |         |         |         |         |         |         |         |         |         |
|------------------------------------|---------------|------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CIP ID                             | Project Title | Phase      | Total   | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
|                                    | All Projects  | All Phases | 699,428 | 143,079 | 133,800 | 123,742 | 28,762  | 33,775  | 51,080  | 65,483  | 74,509  | 39,810  | 5,388   |



Award Purpose:

Contingency

Award:

7000355-Contingency - Water

Lead Department:

Finance

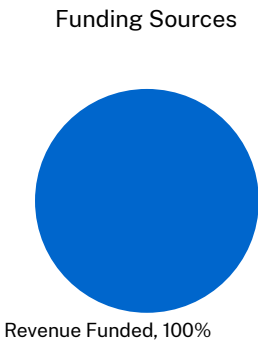
Start Year:

FY 2026

Award Description

The Water and Wastewater systems have independent capital contingency funds to ensure the timely response to unanticipated critical work, and potentially support projects that are contingent upon the receipt of grants or other outside funding. The Contingency Awards are only intended to provide appropriations to existing Awards approved by the Board in the event of material unexpected cost increases or due to unexpected emergencies, without requiring the Board amend the budget, and without each Award incurring its own contingency, which could significantly increase overall capital appropriations. Transfers of contingency appropriations are uncommon and costs that significantly exceed budget expectations are reported to the Board under existing policies. Transfers out of the Capital Contingency Awards are approved by the Director of Finance, and the General Manager and Board of Directors are informed when the amount is greater than \$2.5 million.

| Appropriations (\$ Thousands) |        |         |         |
|-------------------------------|--------|---------|---------|
| Phase                         | Total  | FY 2026 | FY 2027 |
| Planning                      | -      | -       | -       |
| Design                        | -      | -       | -       |
| Construction                  | -      | -       | -       |
| Recurring                     | -      | -       | -       |
| Other                         | 99,541 | 48,855  | 50,687  |
| Total                         | 99,541 | 48,855  | 50,687  |



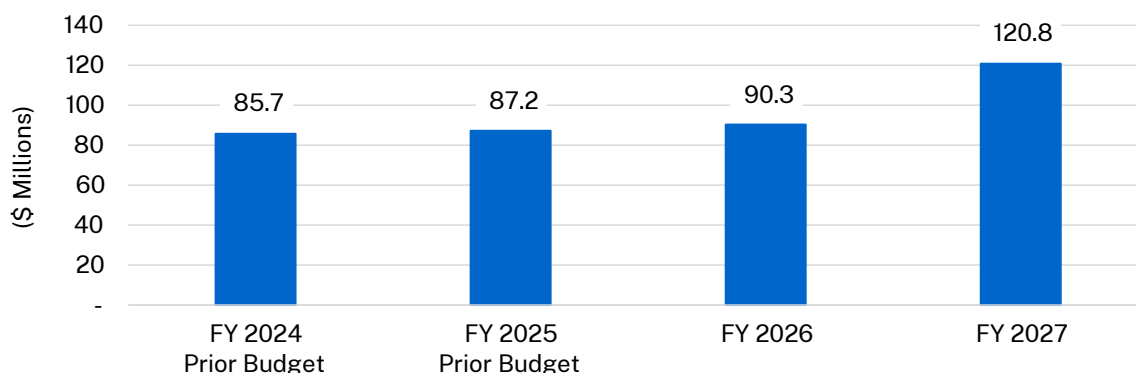
| Projected Cash Flow (\$ Thousands) |               |              |       |         |         |         |         |         |         |         |         |         |         |
|------------------------------------|---------------|--------------|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CIP ID                             | Project Title | Phase        | Total | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
|                                    |               | Planning     |       |         |         |         |         |         |         |         |         |         |         |
|                                    |               | Design       |       |         |         |         |         |         |         |         |         |         |         |
|                                    |               | Construction |       |         |         |         |         |         |         |         |         |         |         |

## Wastewater System

### Overview

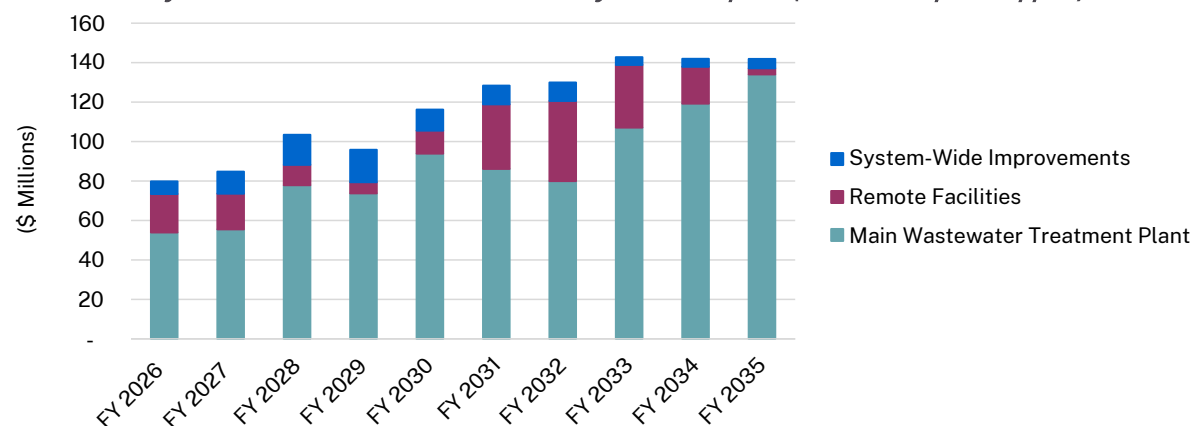
The Wastewater System's FY 2026 capital appropriation will increase by \$3.1 million or 4 percent from FY 2025. In FY 2027, appropriations will increase by \$30.5 million, or 34 percent, from FY 2026. The second year's increase aligns with the CIP's increasing size and scope.

*Water System Appropriations Current Budget Compared to Prior Budget by Fiscal Year*



The FY 2026 - FY 2035 CIP is \$1.2 billion, including Capital Support. The CIP is driven by the combination of increasing investments to replace and rehabilitate aging infrastructure, working towards meeting Board-set priorities, and increased labor and construction costs. Capital Support, the indirect costs associated with capital work, is in line with recent expenses at \$ \$3.1 million annually in the first two years, and then increases by 3 percent annually for the remainder of the CIP.

*Wastewater System FY 2026 – FY 2035 Cash Flows by Award Purpose (Excludes Capital Support)*



Award Purpose:  
**Main Wastewater Treatment Plant**

Award:  
**7000338-Dewatering**

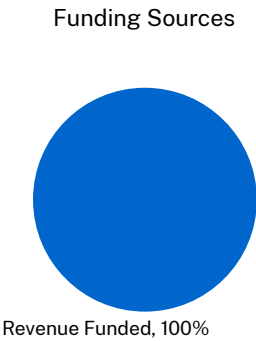
Lead Department:  
Wastewater

Start Year:  
FY 2026

Award Description

The Dewatering award includes capital improvements to renew and replace process equipment and structures to reduce water content of digested sludge to prepare it for b use as biosolids. Major projects include the Dewatering Improvements Project which will replace the existing dewatering process. FY 2024 and FY2025 work included the be of the planning phase of the Dewatering Improvements project. FY 2026 and FY 2027 will include beginning of the design phase of the Dewatering Improvements project. FY through FY 2035 will include the completion of the construction of the Dewatering Improvements project.

| Appropriations (\$ Thousands) |       |         |         |
|-------------------------------|-------|---------|---------|
| Phase                         | Total | FY 2026 | FY 2027 |
| Planning                      | -     | -       | -       |
| Design                        | -     | -       | -       |
| Construction                  | -     | -       | -       |
| Recurring                     | -     | -       | -       |
| Other                         | -     | -       | -       |
| Total                         | -     | -       | -       |



## Projected Cash Flow (\$ Thousands)

| CIP ID       | Project Title                   | Phase        | Total   | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
|--------------|---------------------------------|--------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 21008        | Dewatering Improvements Project | Design       | 12,415  | 2,740   | 4,944   | 4,732   |         |         |         |         |         |         |         |
| 21008        | Dewatering Improvements Project | Construction | 102,519 |         |         | 15,036  | 24,491  | 36,819  | 26,174  |         |         |         |         |
| All Projects |                                 | All Phases   | 114,934 | 2,740   | 4,944   | 19,767  | 24,491  | 36,819  | 26,174  |         |         |         |         |

Award Purpose:  
**Main Wastewater Treatment Plant**

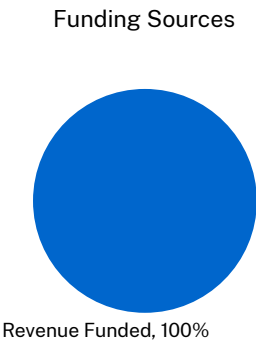
Award:  
**7000337-Digesters**

|                  |             |
|------------------|-------------|
| Lead Department: | Start Year: |
| Wastewater       | FY 2026     |

Award Description

The Digesters award includes all capital improvements to renew and improve assets directly associated with digestion of solids separated in the liquid treatment process and high strength waste blended with those separated solids via the Blend Tanks. Major projects include the Digester Upgrade Project Phase 3, Digester 2 Dual Membrane Replacement, Digester 7 and 12 Coating Repairs, Digester Roof and Exterior Coating Repairs, and Digester Upgrade Project Phase 4. FY 2024 and FY 2025 work included continued construction of Digester Upgrade Project Phase 3, the beginning of design of the Digester 7 and 12 Coating Repairs project. FY 2026 and FY2027 will include completion of the Digester Upgrade Project Phase 3 construction, design of the Digester 2 Dual Membrane Replacement, and design and construction of the Digester 7 and 12 Coating Repairs project. FY 2028 through FY 2035 includes design and construction of Digester Electrical Upgrades, and Digester Roof and Exterior Coating Repairs.

| Appropriations (\$ Thousands) |        |         |         |
|-------------------------------|--------|---------|---------|
| Phase                         | Total  | FY 2026 | FY 2027 |
| Planning                      | -      | -       | -       |
| Design                        | 318    | -       | 318     |
| Construction                  | 13,224 | 13,224  | -       |
| Recurring                     | -      | -       | -       |
| Other                         | -      | -       | -       |
| Total                         | 13,542 | 13,224  | 318     |



| Projected Cash Flow (\$ Thousands) |  |              |        |         |         |         |         |         |         |         |         |         |         |
|------------------------------------|--|--------------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CIP ID                             | Project Title                              | Phase        | Total  | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
| 21021                              | Digester Upgrade Project Phase 3           | Construction | 6,180  | 6,180   |         |         |         |         |         |         |         |         |         |
| 21051                              | Digester 2 Dual Membrane Replacement       | Design       | 318    |         | 318     |         |         |         |         |         |         |         |         |
| 21051                              | Digester 2 Dual Membrane Replacement       | Construction | 2,841  |         |         | 2,841   |         |         |         |         |         |         |         |
| 21052                              | Digester 7 and 12 Coating Repairs          | Construction | 13,224 | 4,429   | 5,517   | 3,278   |         |         |         |         |         |         |         |
| 21053                              | Digester Electrical Upgrades               | Design       | 1,013  |         |         |         | 1,013   |         |         |         |         |         |         |
| 21053                              | Digester Electrical Upgrades               | Construction | 7,060  |         |         |         |         | 3,478   | 3,582   |         |         |         |         |
| 21054                              | Digester Roof and Exterior Coating Repairs | Design       | 696    |         |         |         |         | 696     |         |         |         |         |         |
| 21054                              | Digester Roof and Exterior Coating Repairs | Construction | 11,881 |         |         |         |         |         | 5,731   | 6,149   |         |         |         |
| 21055                              | Digester Upgrade Project Phase 4           | Design       | 3,167  |         |         |         |         |         |         |         | 3,167   |         |         |
| 21055                              | Digester Upgrade Project Phase 4           | Construction | 20,268 |         |         |         |         |         |         |         |         | 9,786   | 10,483  |
| All Projects                       |  | All Phases   | 66,648 | 10,609  | 5,835   | 6,119   | 1,013   | 4,173   | 9,314   | 6,149   | 3,167   | 9,786   | 10,483  |

Award Purpose:  
**Main Wastewater Treatment Plant**

Award:  
**7000334-Effluent Discharge**

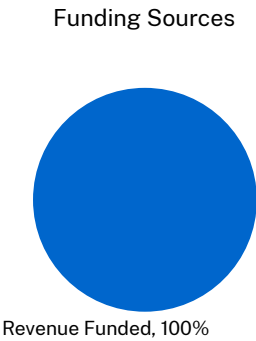
Lead Department:  
Wastewater

Start Year:  
FY 2033

Award Description

The Effluent Discharge award includes all capital improvements to renew and replace systems associated with discharge of treated wastewater into San Francisco Bay, inclu the effluent channel downstream of secondary treatment, the Effluent Pump Station (EPS), the outfall pipeline, the Dechlorination Facility, the Transition Structure, and the associated equipment, chemical dosing and storage systems, and other appurtenances. FY 2024 and FY 2025 work included the completion of the Dechlorination Facility Improvements Phase 3. No work is planned in FY 2026 or FY 2027 under this award. FY 2028 to FY 2035 work includes beginning of planning and design for the Dechlorinati Facility Improvements Phase 4, and the EPS Seismic Ground Improvements Project.

| Appropriations (\$ Thousands) |       |         |         |
|-------------------------------|-------|---------|---------|
| Phase                         | Total | FY 2026 | FY 2027 |
| Planning                      | -     | -       | -       |
| Design                        | -     | -       | -       |
| Construction                  | -     | -       | -       |
| Recurring                     | -     | -       | -       |
| Other                         | -     | -       | -       |
| Total                         | -     | -       | -       |





## Projected Cash Flow (\$ Thousands)

| CIP ID       | Project Title                                  | Phase        | Total  | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
|--------------|--|--------------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 21032        | Dechlorination Facility Improvements Phase 4   | Planning     | 380    |         |         |         |         |         |         |         | 380     |         |         |
| 21032        | Dechlorination Facility Improvements Phase 4   | Design       | 1,267  |         |         |         |         |         |         |         | 1,267   |         |         |
| 21032        | Dechlorination Facility Improvements Phase 4   | Construction | 6,622  |         |         |         |         |         |         |         |         | 3,262   | 3,360   |
| 21009        | Effluent Pump Station - Main Pump Improvements | Planning     | 285    |         |         |         |         |         |         |         |         |         | 285     |
| 21009        | Effluent Pump Station - Main Pump Improvements | Design       | 1,141  |         |         |         |         |         |         |         |         |         | 1,141   |
| 21059        | EPS Seismic Ground Improvements                | Planning     | 253    |         |         |         |         |         |         |         | 253     |         |         |
| 21059        | EPS Seismic Ground Improvements                | Design       | 3,424  |         |         |         |         |         |         |         |         | 2,349   | 1,075   |
| 21059        | EPS Seismic Ground Improvements                | Construction | 8,063  |         |         |         |         |         |         |         |         |         | 8,063   |
| 21013        | Navy Water Line Rehabilitation                 | Planning     | 67     |         |         |         |         |         |         |         |         |         | 67      |
| 21013        | Navy Water Line Rehabilitation                 | Design       | 134    |         |         |         |         |         |         |         |         |         | 134     |
| All Projects |  | All Phases   | 21,636 |         |         |         |         |         |         |         | 1,900   | 5,611   | 14,126  |

Award Purpose:  
**Main Wastewater Treatment Plant**

Award:  
**7000339-Electricals and Controls**

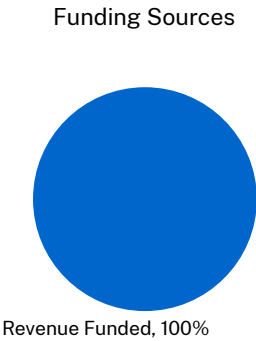
Lead Department:  
Wastewater

Start Year:  
FY 2026

Award Description

The Electricals and Controls award includes all capital improvements to renew and replace electrical and controls infrastructure, such as power distribution, instrumentation and other related assets across the Wastewater system. The award does not include the electrical and controls elements of capital projects under other awards, but rather only the projects that focused on electrical and controls infrastructure. Major projects include the Dedicated 12 kilovolt (kV) Service Connection, Electrical Reliability Improvements, Control Center (MCC) Replacements Project, Power Distribution System Equipment, and the Emergency Generator Project. FY 2024 and FY 2025 work included the Electrical Reliability Master Plan, MCC Replacements, MWWTP Intercom Paging Upgrades, Programmable Logic Controller Replacements Project, and the DCS Console Replacement Project. FY 2026 and FY 2027 work will include beginning the planning phases of the Dedicated 12 kV Service Connection, Electrical Condition Assessment, Electrical Reliability Improvements, and Emergency Generator projects, as well as construction of the Electrical Sub-Metering Data and Power Distribution System Equipment projects. FY 2028 through FY 2035 will include completion of the Electrical Reliability Improvements, Dedicated 12 kV Service Connection, MCC Replacements, MWWTP T20 Transformer Replacement, and Power Distribution System Improvements Phase 2 projects.

| Appropriations (\$ Thousands) |       |         |         |
|-------------------------------|-------|---------|---------|
| Phase                         | Total | FY 2026 | FY 2027 |
| Planning                      | -     | -       | -       |
| Design                        | -     | -       | -       |
| Construction                  | 4,371 | 2,182   | 2,189   |
| Recurring                     | -     | -       | -       |
| Other                         | -     | -       | -       |
| Total                         | 4,371 | 2,182   | 2,189   |



## Projected Cash Flow (\$ Thousands)

| CIP ID | Project Title                                   | Phase        | Total  | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
|--------|---|--------------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 21063  | Intercom Paging System Upgrade                  | Construction | 2,189  |         | 637     | 765     | 788     |         |         |         |         |         |         |
| 21083  | Electrical Sub-Metering Data                    | Design       | 431    | 103     | 106     | 109     | 113     |         |         |         |         |         |         |
| 21083  | Electrical Sub-Metering Data                    | Construction | 323    | 77      | 80      | 82      | 84      |         |         |         |         |         |         |
| 21043  | Distributed Control System Renewal and Upgrades | Construction | 3,855  |         |         | 656     | 647     |         | 2,552   |         |         |         |         |
| 21050  | Dedicated 12kV Service Connection               | Planning     | 362    | 309     | 53      |         |         |         |         |         |         |         |         |
| 21050  | Dedicated 12kV Service Connection               | Design       | 1,209  |         | 212     | 546     | 450     |         |         |         |         |         |         |
| 21050  | Dedicated 12kV Service Connection               | Construction | 14,954 |         |         |         | 1,970   | 6,349   | 896     | 5,739   |         |         |         |
| 21057  | Electrical Condition Assessment                 | Planning     | 309    | 309     |         |         |         |         |         |         |         |         |         |
| 21058  | Electrical Reliability Improvements             | Planning     | 309    | 309     |         |         |         |         |         |         |         |         |         |
| 21058  | Electrical Reliability Improvements             | Design       | 1,077  |         | 530     | 546     |         |         |         |         |         |         |         |
| 21058  | Electrical Reliability Improvements             | Construction | 23,262 |         |         | 4,699   | 2,814   | 3,594   | 4,776   | 7,379   |         |         |         |
| 21074  | Emergency Generator                             | Planning     | 103    | 103     |         |         |         |         |         |         |         |         |         |
| 21074  | Emergency Generator                             | Design       | 1,713  |         | 1,167   | 546     |         |         |         |         |         |         |         |
| 21074  | Emergency Generator                             | Construction | 16,787 |         |         | 6,556   | 6,753   | 3,478   |         |         |         |         |         |
| 21064  | Motor Control Center Replacements               | Planning     | 56     |         |         |         | 56      |         |         |         |         |         |         |
| 21064  | Motor Control Center Replacements               | Design       | 1,098  |         |         |         | 338     | 522     | 239     |         |         |         |         |
| 21064  | Motor Control Center Replacements               | Construction | 22,820 |         |         |         |         |         | 3,582   | 4,919   | 5,067   | 5,219   | 4,032   |
| 21091  | Main Wastewater Treatment Plant T20 Replacement | Planning     | 58     |         |         |         |         | 58      |         |         |         |         |         |
| 21091  | Main Wastewater Treatment Plant T20 Replacement | Design       | 174    |         |         |         |         | 174     |         |         |         |         |         |
| 21091  | Main Wastewater Treatment Plant T20 Replacement | Construction | 2,615  |         |         |         |         |         | 1,194   | 1,421   |         |         |         |

| Projected Cash Flow (\$ Thousands) |                                     |              |        |         |         |         |         |         |         |         |         |         |         |
|------------------------------------|-------------------------------------|--------------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CIP ID                             | Project Title                       | Phase        | Total  | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
| 21102                              | Power Distribution System Equipment | Design       | 82     | 82      |         |         |         |         |         |         |         |         |         |
| 21102                              | Power Distribution System Equipment | Construction | 1,858  | 793     | 255     | 262     | 270     | 278     |         |         |         |         |         |
| 21075                              | Power Distribution System Phase 2   | Planning     | 84     |         |         |         | 84      |         |         |         |         |         |         |
| 21075                              | Power Distribution System Phase 2   | Design       | 563    |         |         |         | 563     |         |         |         |         |         |         |
| 21075                              | Power Distribution System Phase 2   | Construction | 3,659  |         |         |         | 1,688   | 1,971   |         |         |         |         |         |
| All Projects                       |                                     | All Phases   | 99,950 | 2,086   | 3,039   | 14,768  | 16,618  | 16,423  | 13,239  | 19,459  | 5,067   | 5,219   | 4,032   |

Award Purpose:  
**Main Wastewater Treatment Plant**

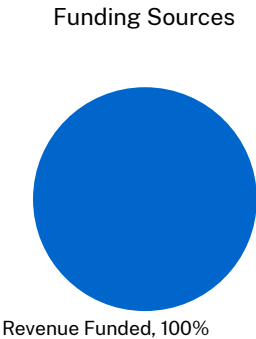
Award:  
**7000335-Nutrients**

|                  |             |
|------------------|-------------|
| Lead Department: | Start Year: |
| Wastewater       | FY 2026     |

Award Description

The Nutrients award includes all work prompted specifically by future nitrogen load limit stipulated in the Regional Water Quality Control Board Watershed Permit, schedule into effect in October 2034. Complying with this future load limit will require that all secondary treatment infrastructure be renewed and reliable; however, infrastructure rer existing secondary assets would be required whether or not there is a nitrogen load limit, therefore only capital work required in addition to already necessary secondary tre infrastructure renewal is included in this award. The immediate project work that will determine exactly what the new infrastructure requires is the Nutrients Master Plan Up Prior to completion of that work and confirmation of the preferred combination of capital improvements necessary to meet the future nitrogen load limit, the Secondary Rea Redundancy Expansion project was included in the Capital Improvements Plan (CIP) to account for the expected major capital investment necessary to meet the future load FY 2024 and FY 2025 work included investments in minor modifications and testing of the existing secondary infrastructure to operate in a biological nitrogen removal (BNR FY 2026 and FY 2027 work will include the Nutrients Master Plan Update. FY 2028 through FY 2025 work currently includes the Secondary Reactor Deck Redundancy Expa project.

| Appropriations (\$ Thousands) |       |         |         |
|-------------------------------|-------|---------|---------|
| Phase                         | Total | FY 2026 | FY 2027 |
| Planning                      | -     | -       | -       |
| Design                        | -     | -       | -       |
| Construction                  | -     | -       | -       |
| Recurring                     | -     | -       | -       |
| Other                         | -     | -       | -       |
| Total                         | -     | -       | -       |



## Projected Cash Flow (\$ Thousands)

| CIP ID       | Project Title                               | Phase        | Total   | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
|--------------|---|--------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 21015        | Nutrient Master Plan Update                 | Planning     | 1,295   | 1,030   | 265     |         |         |         |         |         |         |         |         |
| 21026        | Secondary Reactor Deck Redundancy Expansion | Planning     | 2,947   |         |         |         |         |         | 2,197   | 750     |         |         |         |
| 21026        | Secondary Reactor Deck Redundancy Expansion | Design       | 27,680  |         |         |         |         |         | 8,955   | 9,224   | 9,501   |         |         |
| 21026        | Secondary Reactor Deck Redundancy Expansion | Construction | 185,984 |         |         |         |         |         |         |         | 60,172  | 61,977  | 63,836  |
| 21028        | Sidestream Treatment                        | Planning     | 3,061   |         |         |         |         |         |         |         |         | 1,508   | 1,553   |
| 21028        | Sidestream Treatment                        | Design       | 4,660   |         |         |         |         |         |         |         |         |         | 4,660   |
| All Projects |   | All Phases   | 225,628 | 1,030   | 265     |         |         |         | 11,152  | 9,974   | 69,672  | 63,485  | 70,049  |

Award Purpose:

Main Wastewater Treatment Plant

Award:

7000333-Power Generation and Biogas

Lead Department:

Wastewater

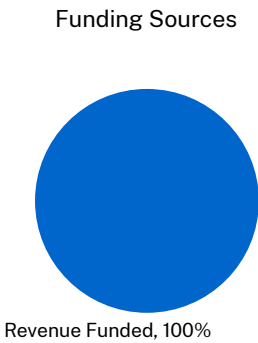
Start Year:

FY 2026

Award Description

The Power Generation and Biogas award includes all capital improvements to renew and expand the Power Generation Station (PGS) and the conveyance and conditioning systems that deliver biogas to PGS. Major projects include the PGS Engine Overhauls, PGS Master Plan, PGS MIP to Decentralized Control System (DCS) Migration, and PGS Controls Upgrades. In FY 2024 and FY 2025, the PGS Reliability Improvements Phase 3 project completed. FY 2026 and FY 2027 work includes the start of design for the PG Gas Conditioning System Upgrade, completion of the PGS Engine Overhauls work, start of the PGS Master Plan, and continuing upgrades under the PGS MIP to DCS Migrati FY 2028 to FY 2035 work will include completion of construction for the Gas Conditioning System Upgrade, completion of the PGS MIP to DCS Migration work, completion o Controls Upgrades, and the start of design and construction of the PGS Reliability Improvements Phase 4.

| Appropriations (\$ Thousands) |        |         |         |
|-------------------------------|--------|---------|---------|
| Phase                         | Total  | FY 2026 | FY 2027 |
| Planning                      | 1,077  | 514     | 563     |
| Design                        | 1,567  | 1,426   | 141     |
| Construction                  | 20,522 | 9,810   | 10,712  |
| Recurring                     | -      | -       | -       |
| Other                         | -      | -       | -       |
| Total                         | 23,166 | 11,750  | 11,416  |



## Projected Cash Flow (\$ Thousands)

| CIP ID       | Project Title                                 | Phase        | Total  | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
|--------------|---|--------------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 21060        | Gas Conditioning System Upgrade               | Design       | 1,545  | 1,545   |         |         |         |         |         |         |         |         |         |
| 21060        | Gas Conditioning System Upgrade               | Construction | 12,108 |         | 4,244   | 2,732   | 2,814   | 2,319   |         |         |         |         |         |
| 21045        | Power Generation Station Engine Overhauls     | Planning     | 133    | 133     |         |         |         |         |         |         |         |         |         |
| 21045        | Power Generation Station Engine Overhauls     | Construction | 8,337  | 4,107   | 4,230   |         |         |         |         |         |         |         |         |
| 21096        | Power Generation Station Master Plan          | Planning     | 1,049  | 412     | 637     |         |         |         |         |         |         |         |         |
| 21068        | Power Generation Station MIP to DCS Migration | Planning     | 36     | 36      |         |         |         |         |         |         |         |         |         |
| 21068        | Power Generation Station MIP to DCS Migration | Design       | 503    | 67      | 159     | 164     | 113     |         |         |         |         |         |         |
| 21068        | Power Generation Station MIP to DCS Migration | Construction | 1,176  | 412     | 265     | 273     | 225     |         |         |         |         |         |         |
| 21069        | Power Generation Station Reliability Phase 4  | Design       | 811    |         |         |         |         | 811     |         |         |         |         |         |
| 21069        | Power Generation Station Reliability Phase 4  | Construction | 12,989 |         |         |         |         |         | 4,776   | 4,919   | 3,294   |         |         |
| 21106        | Power Generation Station 1 Controls Upgrades  | Construction | 546    | 299     | 149     | 98      |         |         |         |         |         |         |         |
| 21107        | Power Generation Station 2 Controls Upgrades  | Construction | 1,030  | 1,030   |         |         |         |         |         |         |         |         |         |
| All Projects |   | All Phases   | 40,262 | 8,041   | 9,683   | 3,267   | 3,151   | 3,130   | 4,776   | 4,919   | 3,294   |         |         |



Award Purpose:  
**Main Wastewater Treatment Plant**

Award:  
**7000330-Preliminary Treatment**

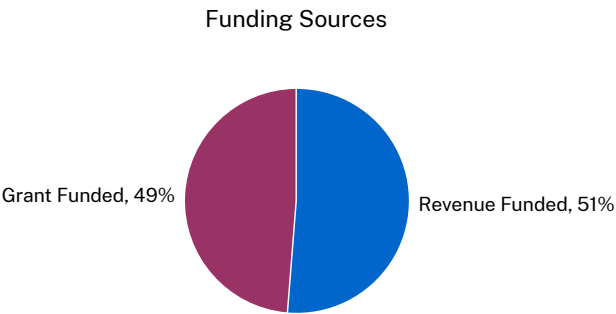
Lead Department:  
Wastewater

Start Year:  
FY 2036

Award Description

The Preliminary Treatment award includes all capital improvements to the first stage of treatment processes applied to raw sewage flows conveyed to the Main Wastewater Treatment Plant (MWWTP), including coarse screening, pumping, fine screening, and grit removal. Major projects include the Influent Pump Station (IPS) Resiliency Project and the MWWTP Grit Dewatering Equipment Replacement projects. In FY 2024 and FY 2025, the design of the IPS Resiliency Project began and the construction of the MWWTP Grit Dewatering Equipment Replacement Project began. In FY 2026 and FY 2027, the IPS Resiliency Project design will be completed and construction will begin, while the construction of the MWWTP Grit Dewatering Equipment Replacement Project will be completed. In FY 2028 through FY 2035, the second phase of construction of the IPS Resiliency Project will be completed, and the Aerated Grit Tank Concrete, Pipe, and Equipment Improvements Project will begin.

| Appropriations (\$ Thousands) |        |         |         |
|-------------------------------|--------|---------|---------|
| Phase                         | Total  | FY 2026 | FY 2027 |
| Planning                      | -      | -       | -       |
| Design                        | 5,181  | 4,120   | 1,061   |
| Construction                  | 18,306 | -       | 18,306  |
| Recurring                     | -      | -       | -       |
| Other                         | -      | -       | -       |
| Total                         | 23,487 | 4,120   | 19,367  |



## Projected Cash Flow (\$ Thousands)

| CIP ID       | Project Title   | Phase        | Total  | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
|--------------|---|--------------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 21011        | Influent Pump Station Resiliency Project  | Design       | 5,181  | 4,120   | 1,061   |         |         |         |         |         |         |         |         |
| 21011        | Influent Pump Station Resiliency Project  | Construction | 50,733 |         | 9,018   | 9,288   | 8,875   | 9,142   | 4,712   | 9,698   |         |         |         |
| 21034        | Main Wastewater Treatment Plant Grit Dewatering Equipment Replacement and Reactor Drain Improvements (SD-432) | Construction | 12,296 | 8,409   | 3,887   |         |         |         |         |         |         |         |         |
| 21048        | AGT Concrete, Pipe, and Equipment Improvements  | Design       | 1,267  |         |         |         |         |         |         |         | 1,267   |         |         |
| 21048        | AGT Concrete, Pipe, and Equipment Improvements  | Construction | 19,980 |         |         |         |         |         |         |         |         | 10,438  | 9,542   |
| All Projects |   | All Phases   | 89,457 | 12,529  | 13,966  | 9,288   | 8,875   | 9,142   | 4,712   | 9,698   | 1,267   | 10,438  | 9,542   |

Award Purpose:  
**Main Wastewater Treatment Plant**

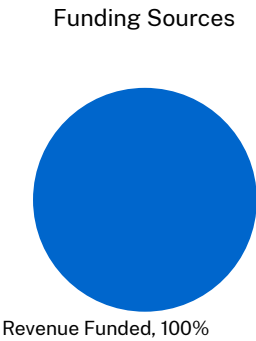
Award:  
**7000331-Primary Treatment**

|                  |             |
|------------------|-------------|
| Lead Department: | Start Year: |
| Wastewater       | FY 2035     |

Award Description

The Primary Treatment award includes all capital improvements to the Primary Sedimentation Tanks, scum collection system, primary sludge pumping system, and all related equipment and appurtenances. Major projects include the Primary Sedimentation Tank Seismic Retrofit Phases 1 and 2, and the final phase (Phase 6) of the Repair Primary Sedimentation Tanks and Channels project. There were no ongoing projects under this award in FY 2024 and FY 2025 because significant progress completed on the Repair Primary Sedimentation Tanks and Channels projects prior to FY 2024. There are no projects scheduled to begin in FY 2026 through FY 2027. In FY 2028 through FY 2035, we will begin on Repair Primary Sedimentation Tanks and Channels Phase 6.

| Appropriations (\$ Thousands) |       |         |         |
|-------------------------------|-------|---------|---------|
| Phase                         | Total | FY 2026 | FY 2027 |
| Planning                      | -     | -       | -       |
| Design                        | -     | -       | -       |
| Construction                  | -     | -       | -       |
| Recurring                     | -     | -       | -       |
| Other                         | -     | -       | -       |
| Total                         | -     | -       | -       |



| Projected Cash Flow (\$ Thousands) |  |            |       |         |         |         |         |         |         |         |         |         |         |
|------------------------------------|--|------------|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CIP ID                             | Project Title                              | Phase      | Total | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
| 21020                              | Repair Primary Sed Tanks and Channels Ph 6 | Planning   | 134   |         |         |         |         |         |         |         |         |         | 134     |
| 21020                              | Repair Primary Sed Tanks and Channels Ph 6 | Design     | 538   |         |         |         |         |         |         |         |         |         | 538     |
| All Projects                       |  | All Phases | 672   |         |         |         |         |         |         |         |         |         | 672     |

Award Purpose:  
**Main Wastewater Treatment Plant**

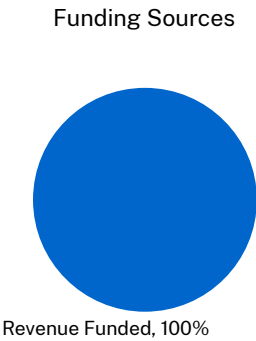
Award:  
**7000336-Resource Recovery**

|                  |             |
|------------------|-------------|
| Lead Department: | Start Year: |
| Wastewater       | FY 2030     |

Award Description

The Resource Recovery award includes all capital improvements necessary to operate the Resource Recovery (R2) program of receiving trucked waste at the low strength and high strength (Blend Tank) receiving stations to generate additional revenue and biogas. Major projects include the Blend Tank Odor and Grit Improvements. FY 2024 and FY 2025 work included completion of design of the Blend Tank Odor and Grit Improvements Project. No work is expected in FY 2026 and FY 2027 under this award, as the Blend Tank and Grit Improvements Project has paused in favor of higher priority projects. FY 2028 through FY 2035 work will include completion of the Blend Tank Odor and Grit Improvements Project.

| Appropriations (\$ Thousands) |       |         |         |
|-------------------------------|-------|---------|---------|
| Phase                         | Total | FY 2026 | FY 2027 |
| Planning                      | -     | -       | -       |
| Design                        | -     | -       | -       |
| Construction                  | -     | -       | -       |
| Recurring                     | -     | -       | -       |
| Other                         | -     | -       | -       |
| Total                         | -     | -       | -       |



| Projected Cash Flow (\$ Thousands) |                                       |              |       |         |         |         |         |         |         |         |         |         |         |
|------------------------------------|---------------------------------------|--------------|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CIP ID                             | Project Title                         | Phase        | Total | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
| 21005                              | Blend Tank Odor and Grit Improvements | Construction | 6,402 |         |         |         |         | 5,507   | 896     |         |         |         |         |
|                                    | All Projects                          | All Phases   | 6,402 |         |         |         |         | 5,507   | 896     |         |         |         |         |

Award Purpose:

Main Wastewater Treatment Plant

Award:

7000332-Secondary Treatment

Lead Department:

Wastewater

Start Year:

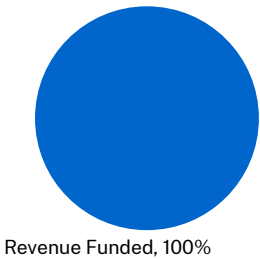
FY 2026

Award Description

The Secondary Treatment award includes all capital improvements to renew existing infrastructure in the secondary treatment process area, which includes the secondary i channels, mid-plant pump station, oxygen production plant, secondary reactor decks, mixed liquor channels, secondary clarifiers, return activated sludge (RAS) and waste a sludge (WAS) pumping systems, and all associated equipment and appurtenances. Capital projects that are specifically required by new nutrient regulations included in the Nutrients award. Major projects include rehabilitation and modernization of the Oxygen Production Plant, rehabilitation of the Secondary Reactor Decks and Secondary Clar and seismic retrofit of the Oxygen Production Plant. In FY 2024 and FY 2025, the Secondary Reactor Rehabilitation Phase 1 completed, the Secondary Clarifier Rehabilitatio Phase 3 completed, the design completed and construction began for the Oxygen Plant Improvements project, design completed and construction began for the Secondary Clarifiers Rehabilitation Phase 4, and the design of Secondary Reactors Rehabilitation Phase 2 began. In FY 2026 and FY 2027, the Oxygen Plant Improvements Project will continue construction, the Secondary Clarifier Rehabilitation Phase 4 will completed, and design of the Secondary Reactors Rehabilitation Phase 2 will continue and constru will begin. In FY 2028 through FY 2035, Secondary Reactors Rehabilitation Phase 2 will completed, Secondary Reactors Rehabilitation Phases 3 and 4 will begin, and Secon Clarifiers Phases 5 and 6 will begin.

| Appropriations (\$ Thousands) |        |         |         |
|-------------------------------|--------|---------|---------|
| Phase                         | Total  | FY 2026 | FY 2027 |
| Planning                      | -      | -       | -       |
| Design                        | 2,061  | 2,061   | -       |
| Construction                  | 27,072 | 27,072  | -       |
| Recurring                     | -      | -       | -       |
| Other                         | -      | -       | -       |
| Total                         | 29,133 | 29,133  | -       |

Funding Sources



## Projected Cash Flow (\$ Thousands)

| CIP ID       | Project Title                             | Phase        | Total   | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
|--------------|---|--------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 21035        | Oxygen Plant Improvements                 | Construction | 18,791  | 6,668   | 6,382   | 4,761   | 979     |         |         |         |         |         |         |
| 21105        | Clarifier Rehabilitation Phase 4          | Construction | 4,120   | 4,120   |         |         |         |         |         |         |         |         |         |
| 21024        | Clarifier Rehabilitation Phase 5          | Design       | 836     |         |         |         |         |         | 836     |         |         |         |         |
| 21024        | Clarifier Rehabilitation Phase 5          | Construction | 28,207  |         |         |         |         |         |         | 7,748   | 13,934  | 6,524   |         |
| 21025        | Clarifier Rehabilitation Phase 6          | Design       | 522     |         |         |         |         |         |         |         |         | 522     |         |
| 21025        | Clarifier Rehabilitation Phase 6          | Construction | 5,376   |         |         |         |         |         |         |         |         |         | 5,376   |
| 21065        | Oxygen Plant Seismic Improvements         | Design       | 998     |         |         |         |         |         |         |         |         | 326     | 672     |
| 21039        | Secondary Reactors Rehabilitation Phase 2 | Design       | 2,123   | 2,123   |         |         |         |         |         |         |         |         |         |
| 21039        | Secondary Reactors Rehabilitation Phase 2 | Construction | 23,770  | 408     | 8,181   | 8,427   | 6,753   |         |         |         |         |         |         |
| 21040        | Secondary Reactors Rehabilitation Phase 3 | Planning     | 34      |         |         |         | 34      |         |         |         |         |         |         |
| 21040        | Secondary Reactors Rehabilitation Phase 3 | Design       | 2,521   |         |         |         | 1,749   | 772     |         |         |         |         |         |
| 21040        | Secondary Reactors Rehabilitation Phase 3 | Construction | 24,424  |         |         |         |         | 468     | 11,801  | 12,155  |         |         |         |
| 21046        | Secondary Reactors Rehabilitation Phase 4 | Planning     | 37      |         |         |         |         |         |         | 37      |         |         |         |
| 21046        | Secondary Reactors Rehabilitation Phase 4 | Design       | 2,929   |         |         |         |         |         |         | 2,032   | 897     |         |         |
| 21046        | Secondary Reactors Rehabilitation Phase 4 | Construction | 26,874  |         |         |         |         |         |         |         | 515     | 12,985  | 13,375  |
| All Projects |   | All Phases   | 141,560 | 13,319  | 14,564  | 13,188  | 9,515   | 1,240   | 12,637  | 21,972  | 15,346  | 20,357  | 19,422  |



Award Purpose:  
**Main Wastewater Treatment Plant**

Award:  
**New-Seismic Retrofit Maintenance Center**

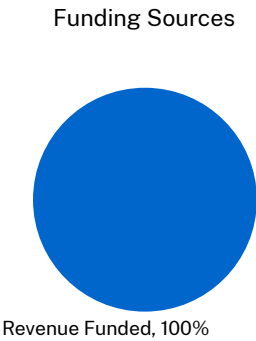
Lead Department:  
Wastewater

Start Year:  
FY 2028

Award Description

The Maintenance Center is an operational facility that serves as the primary hub at the Main Wastewater Treatment Plant. This project is designed to enhance the safety of the building during a seismic event and ensure functional recovery after. While the probability of a major earthquake occurring within the next 10 years is estimated to be less than 1 percent, proactive measures are being taken to mitigate potential risks. Although not mandated by regulatory authorities, this project is being undertaken voluntarily to enhance the facility’s resilience and safeguard both personnel and critical infrastructure in the event of a seismic event.

| Appropriations (\$ Thousands) |       |         |         |
|-------------------------------|-------|---------|---------|
| Phase                         | Total | FY 2026 | FY 2027 |
| Planning                      | -     | -       | -       |
| Design                        | -     | -       | -       |
| Construction                  | -     | -       | -       |
| Recurring                     | -     | -       | -       |
| Other                         | -     | -       | -       |
| Total                         | -     | -       | -       |



| Projected Cash Flow (\$ Thousands) |                                     |              |        |         |         |         |         |         |         |         |         |         |         |
|------------------------------------|-------------------------------------|--------------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CIP ID                             | Project Title                       | Phase        | Total  | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
| 21041                              | Seismic Retrofit Maintenance Center | Design       | 236    |         |         | 109     |         |         |         |         | 127     |         |         |
| 21041                              | Seismic Retrofit Maintenance Center | Construction | 32,333 |         |         | 10,140  | 7,833   | 8,068   |         |         |         | 3,549   | 2,742   |
| All Projects                       |                                     | All Phases   | 32,569 |         |         | 10,250  | 7,833   | 8,068   |         |         | 127     | 3,549   | 2,742   |

Award Purpose:

Main Wastewater Treatment Plant

Award:

7000340-Utilities and Sitework

Lead Department:

Wastewater

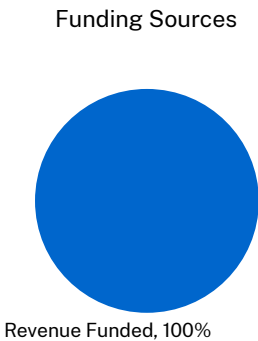
Start Year:

FY 2026

Award Description

The Utilities and Sitework award includes all capital projects to renew and replace plant utilities such as potable water, 3 water (3W), plant drain system, compressed air and as well as chemical systems and piping, paving, fencing, and related assets. Major projects include annual paving projects, the Hypochlorite Pipe Replacement Phase 3 project and the 3W System, Gallery and Vault Drain Improvements project. FY 2024 and FY 2025 projects included beginning of design of the 3W System, Gallery and Vault Drain improvements project and completion of the design of the Hypochlorite Pipe Replacement Phase 3 project. FY 2026 and FY 2027 will include construction of the Hypochlorite Pipe Replacement Phase 3 and the planning phase of the Plant Utility Assessment project. FY 2028 through FY 2035 will include completion of the Hypochlorite Pipe Replacement Phase 3 project, MWWTP paving projects, and completion of the 3W System, Gallery and Vault Drain improvements project.

| Appropriations (\$ Thousands) |       |         |         |
|-------------------------------|-------|---------|---------|
| Phase                         | Total | FY 2026 | FY 2027 |
| Planning                      | 996   | 303     | 693     |
| Design                        | -     | -       | -       |
| Construction                  | 3,900 | 3,900   | -       |
| Recurring                     | -     | -       | -       |
| Other                         | -     | -       | -       |
| Total                         | 4,896 | 4,203   | 693     |



## Projected Cash Flow (\$ Thousands)

| CIP ID       | Project Title   | Phase        | Total  | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
|--------------|---|--------------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 21062        | Hypo Pipe Replacement Phase 3   | Construction | 5,971  | 3,111   | 2,141   | 719     |         |         |         |         |         |         |         |
| 21047        | 3W System, Gallery and Vault Drain Improvements, and Wet Weather Storage Basin Concrete Rehabilitation (SD-439) | Design       | 2,141  |         |         |         | 2,141   |         |         |         |         |         |         |
| 21047        | 3W System, Gallery and Vault Drain Improvements, and Wet Weather Storage Basin Concrete Rehabilitation (SD-439) | Construction | 27,180 |         |         |         |         | 9,274   | 3,125   | 7,666   | 7,115   |         |         |
| 21056        | East Gate Undercrossing   | Design       | 652    |         |         |         |         |         |         |         |         | 652     |         |
| 21056        | East Gate Undercrossing   | Construction | 2,016  |         |         |         |         |         |         |         |         |         | 2,016   |
| 21089        | Main Wastewater Treatment Plant Paving Projects   | Planning     | 2,136  | 103     | 1,061   | 109     | 113     | 116     | 119     | 123     | 127     | 130     | 134     |
| 21071        | Plant Drain System Improvements   | Planning     | 181    |         |         |         |         |         |         |         |         |         | 181     |
| 21071        | Plant Drain System Improvements   | Design       | 632    |         |         |         |         |         |         |         |         |         | 632     |
| 21073        | Plant Gallery Ventilation Improvements  | Planning     | 399    |         |         | 399     |         |         |         |         |         |         |         |
| 21097        | Plant Utility Assessment  | Planning     | 361    | 361     |         |         |         |         |         |         |         |         |         |
| All Projects |   | All Phases   | 41,669 | 3,574   | 3,202   | 1,227   | 2,254   | 9,390   | 3,244   | 7,789   | 7,242   | 783     | 2,963   |

Award Purpose:  
Remote Facilities

Award:  
7000328-Interceptors and Pump Stations

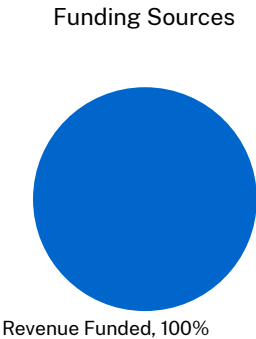
Lead Department:  
Wastewater

Start Year:  
FY 2026

Award Description

The Interceptors and Pump Stations award includes all capital improvements to rehabilitate aging gravity interceptors, force mains, and pump stations that convey wastewater to the Main Wastewater Treatment Plant (MWWTP). This award includes projects that rehabilitate underground piping, appurtenances, maintenance holes and other buried structures, pumping equipment, electrical and instrumentation infrastructure, and associated buildings. Major projects include the North Interceptor Rehabilitation Emeryville, Alameda Interceptor Rehabilitation Phase 4, and Pump Station H Rehabilitation Phase 2. FY 2024 and FY 2025, the District completed the Special Structures Rehabilitation Phase 1, Pump Station M improvements project, and Interceptor Level Monitoring Station Improvements Project. FY 2026 and FY2027 work includes initiating planning for the Alameda Channel Crossing Improvements project, design of the South Interceptor Rehabilitation Coliseum and Alameda Interceptor Rehabilitation Phase 4 projects, and construction of the North Interceptor Rehabilitation Emeryville and Pump Station H Improvements Phase 2 projects. FY 2028 through FY 2035 work includes construction of the Alameda Channel Crossing Improvements, Pump Stations Facilities Improvements, Pump Station A Improvements, Pump Station L Improvements, South Interceptor Rehabilitation Embarcadero, South Interceptor Rehabilitation Second Street, South Interceptor S24 to S26, and Alameda Interceptor Rehabilitation Phase 5 projects.

| Appropriations (\$ Thousands) |        |         |         |
|-------------------------------|--------|---------|---------|
| Phase                         | Total  | FY 2026 | FY 2027 |
| Planning                      | 1,498  | 628     | 870     |
| Design                        | 4,032  | 3,077   | 955     |
| Construction                  | 14,872 | 523     | 14,349  |
| Recurring                     | -      | -       | -       |
| Other                         | -      | -       | -       |
| Total                         | 20,402 | 4,228   | 16,174  |



## Projected Cash Flow (\$ Thousands)

| CIP ID | Project Title                                | Phase        | Total  | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
|--------|--|--------------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 21037  | Pump Station L Improvements Project          | Planning     | 229    |         |         | 229     |         |         |         |         |         |         |         |
| 21037  | Pump Station L Improvements Project          | Design       | 584    |         |         | 57      | 527     |         |         |         |         |         |         |
| 21037  | Pump Station L Improvements Project          | Construction | 3,222  |         |         |         | 788     | 2,434   |         |         |         |         |         |
| 21085  | Force Main Access Manholes and ARVs          | Design       | 672    |         |         |         |         |         |         |         |         |         | 672     |
| 21036  | Pump Station H Rehabilitation Phase 2        | Construction | 11,429 | 7,544   | 3,885   |         |         |         |         |         |         |         |         |
| 21002  | Alameda Interceptor Rehabilitation Phase 4   | Design       | 1,030  | 1,030   |         |         |         |         |         |         |         |         |         |
| 21002  | Alameda Interceptor Rehabilitation Phase 4   | Construction | 3,183  |         | 3,183   |         |         |         |         |         |         |         |         |
| 21092  | North Interceptor Rehabilitation Emeryville  | Construction | 6,137  | 6,137   |         |         |         |         |         |         |         |         |         |
| 21042  | South Interceptor Rehabilitation (S8 to S10) | Design       | 1,035  | 1,035   |         |         |         |         |         |         |         |         |         |
| 21042  | South Interceptor Rehabilitation (S8 to S10) | Construction | 11,166 |         | 5,207   | 5,959   |         |         |         |         |         |         |         |
| 21001  | Alameda Channel Crossing Improvements        | Planning     | 685    | 206     | 424     | 55      |         |         |         |         |         |         |         |
| 21001  | Alameda Channel Crossing Improvements        | Design       | 1,410  |         |         |         | 450     | 661     | 299     |         |         |         |         |
| 21001  | Alameda Channel Crossing Improvements        | Construction | 16,424 |         |         |         |         |         | 5,970   | 10,454  |         |         |         |
| 21003  | Alameda Interceptor Rehabilitation Phase 5   | Design       | 1,230  |         |         |         |         |         |         | 1,230   |         |         |         |
| 21003  | Alameda Interceptor Rehabilitation Phase 5   | Construction | 10,134 |         |         |         |         |         |         |         | 10,134  |         |         |
| 21086  | Inflow and Infiltration                      | Planning     | 8,849  | 422     | 446     | 470     | 619     | 788     | 1,546   | 1,593   | 1,640   | 652     | 672     |
| 21077  | Pump Station Ventilation System and Access   | Design       | 228    |         |         |         |         |         |         |         |         |         | 228     |
| 21077  | Pump Station Ventilation System and Access   | Construction | 779    |         |         |         |         |         |         |         |         |         | 779     |
| 21078  | Pump Station A Improvements                  | Planning     | 123    |         |         |         |         |         |         | 123     |         |         |         |
| 21078  | Pump Station A Improvements                  | Design       | 1,080  |         |         |         |         |         |         | 573     | 507     |         |         |
| 21078  | Pump Station A Improvements                  | Construction | 6,254  |         |         |         |         |         |         |         | 2,907   | 3,262   | 85      |

| Projected Cash Flow (\$ Thousands) |  |              |         |         |         |         |         |         |         |         |         |         |         |
|------------------------------------|--|--------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CIP ID                             | Project Title  | Phase        | Total   | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
| 21079                              | Pump Stations Facilities Improvements                | Design       | 1,966   | 1,011   | 955     |         |         |         |         |         |         |         |         |
| 21079                              | Pump Stations Facilities Improvements                | Construction | 13,794  |         |         |         |         |         | 4,911   | 6,051   | 2,635   | 197     |         |
| 21104                              | Remote Facilities Communications Control Integration | Construction | 523     | 258     | 265     |         |         |         |         |         |         |         |         |
| 21099                              | South Interceptor Rehabilitation (S24 to S26)        | Design       | 1,159   |         |         |         |         | 1,159   |         |         |         |         |         |
| 21099                              | South Interceptor Rehabilitation (S24 to S26)        | Construction | 7,757   |         |         |         |         |         | 3,821   | 3,936   |         |         |         |
| 21030                              | South Interceptor Rehabilitation (Embarcadero)       | Planning     | 225     |         |         |         | 225     |         |         |         |         |         |         |
| 21030                              | South Interceptor Rehabilitation (Embarcadero)       | Design       | 3,935   |         |         |         | 225     | 3,710   |         |         |         |         |         |
| 21030                              | South Interceptor Rehabilitation (Embarcadero)       | Construction | 26,178  |         |         |         |         |         | 12,896  | 13,283  |         |         |         |
| 21029                              | South Interceptor Rehabilitation 2nd St              | Construction | 23,144  |         |         |         |         |         |         |         | 11,401  | 11,743  |         |
| 21100                              | Special Structures Sewer Rehabilitation Phase 2      | Planning     | 882     |         |         |         |         |         |         |         |         | 209     | 673     |
| All Projects                       |  |              | 165,446 | 17,643  | 14,365  | 6,770   | 2,834   | 8,753   | 29,443  | 37,242  | 29,224  | 16,063  | 3,109   |

Award Purpose:

Remote Facilities

Award:

7000329-Wet Weather Facilities

Lead Department:

Wastewater

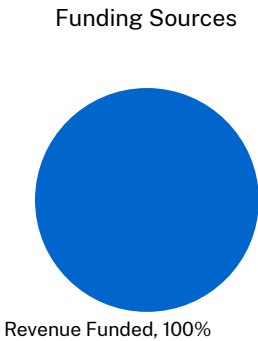
Start Year:

FY 2026

Award Description

The Wet Weather Facilities award includes all work required for the Inflow and Infiltration (I/I) Program and renewal and maintenance of the Wet Weather Facilities (WWF) for reliable performance during wet weather events. This award includes annual implementation of the regional private sewer lateral (PSL) ordinance, flow monitoring and modeling and reporting, as required from the Consent Decree issued by United States Environmental Protection Agency and Regional Water Quality Control Board. FY 2024 and FY 2025 work included implementation of the I/I Program flow monitoring and modeling, and design and construction of the Oakport Chemical Tank Replacement project. FY 2026 to FY2027 work will include all I/I Program capital work, implementation of a new PSL management software, and design and start of construction of the Remote Wet Weather Facilities Improvements Project. FY 2028 to FY 20235 will include completion of construction of the Remote Wet Weather Facilities Improvements Project, and further implementation of the I/I Program Consent Decree compliance.

| Appropriations (\$ Thousands) |        |         |         |
|-------------------------------|--------|---------|---------|
| Phase                         | Total  | FY 2026 | FY 2027 |
| Planning                      | -      | -       | -       |
| Design                        | 1,935  | 1,648   | 287     |
| Construction                  | 24,726 | 206     | 24,520  |
| Recurring                     | -      | -       | -       |
| Other                         | -      | -       | -       |
| Total                         | 26,661 | 1,854   | 24,807  |





## Projected Cash Flow (\$ Thousands)

| CIP ID       | Project Title                              | Phase        | Total  | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
|--------------|--|--------------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 21103        | Private Sewer Lateral Software Replacement | Construction | 206    | 206     |         |         |         |         |         |         |         |         |         |
| 21081        | Remote Wet Weather Facilities Improvements | Design       | 1,935  | 1,648   | 287     |         |         |         |         |         |         |         |         |
| 21081        | Remote Wet Weather Facilities Improvements | Construction | 24,520 |         | 3,448   | 3,551   | 2,814   | 2,898   | 3,284   | 3,382   | 2,534   | 2,610   |         |
| All Projects |  | All Phases   | 26,661 | 1,854   | 3,735   | 3,551   | 2,814   | 2,898   | 3,284   | 3,382   | 2,534   | 2,610   |         |

Award Purpose:

System-Wide Improvements

Award:

7000341-General Wastewater

Lead Department:

Wastewater

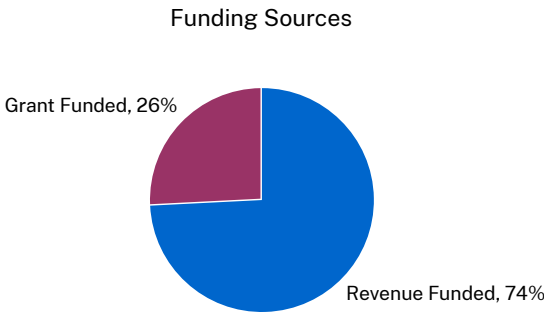
Start Year:

FY 2026

Award Description

The General Wastewater award includes all capital improvements not covered from the other awards and apply to the Wastewater system as a whole, rather than specific projects or areas. Major projects include the Administration and Laboratory Building Seismic Retrofit and Heating, Ventilation, and Air Conditioning (HVAC) Improvements, Laboratory Facility Improvements, Routine Capital Equipment Replacement (RCER) projects, and the Maintenance Center Seismic Retrofit project. FY 2024 and FY 2025 work included design of the Maintenance Center Seismic Retrofit and Administration and Laboratory Building Seismic Retrofit and HVAC Improvements projects, Asset Management Program, and the RCER project. FY 2026 and FY 2027 work will include design and construction of the Administration and Laboratory Building Seismic Retrofit and HVAC Improvements project, Asset Management Program, Laboratory Facility Improvements, planning phase of the MWWTP Space Requirement Planning project, and Optimization Evaluations of Wastewater Facilities projects. FY 2028 through FY 2035 will include completion of the Administration and Laboratory Building Seismic Retrofit and HVAC Improvements project, construction of the Maintenance Center Seismic Retrofit project, RCER implementation, and further Laboratory Facility Improvements implementation.

| Appropriations (\$ Thousands) |        |         |         |
|-------------------------------|--------|---------|---------|
| Phase                         | Total  | FY 2026 | FY 2027 |
| Planning                      | 1,356  | 773     | 583     |
| Design                        | 2,060  | 2,060   | -       |
| Construction                  | 33,079 | 2,362   | 30,718  |
| Recurring                     | 6,111  | 3,172   | 2,939   |
| Other                         | 176    | 176     | -       |
| Total                         | 42,782 | 8,542   | 34,240  |



| Projected Cash Flow (\$ Thousands) |  |              |        |         |         |         |         |         |         |         |         |         |         |
|------------------------------------|--|--------------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CIP ID                             | Project Title  | Phase        | Total  | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
| 21095                              | Optimization Evaluation of WW Facilities                               | Planning     | 2,952  | 258     | 265     | 273     | 281     | 290     | 299     | 307     | 317     | 326     | 336     |
| 21033                              | Administration and Lab Building Seismic Retrofit and HVAC Improvements | Design       | 2,060  | 2,060   |         |         |         |         |         |         |         |         |         |
| 21033                              | Administration and Lab Building Seismic Retrofit and HVAC Improvements | Construction | 45,103 |         | 7,426   | 11,474  | 11,818  | 3,478   | 5,373   | 5,534   |         |         |         |
| 21087                              | Laboratory Equipment   | Construction | 2,647  | 700     | 393     | 372     | 383     | 394     | 406     |         |         |         |         |
| 21004                              | Asset Management Program   | Planning     | 3,056  | 309     | 318     | 273     | 281     | 290     | 299     | 307     | 317     | 326     | 336     |
| 21004                              | Asset Management Program   | Other        | 176    | 176     |         |         |         |         |         |         |         |         |         |
| 21049                              | CMU Structures Seismic Retrofit  | Planning     | 38     |         |         |         |         |         |         |         |         |         | 38      |
| 21049                              | CMU Structures Seismic Retrofit  | Design       | 538    |         |         |         |         |         |         |         |         |         | 538     |
| 21006                              | Collaboration Space  | Planning     | 124    |         |         |         | 124     |         |         |         |         |         |         |
| 21006                              | Collaboration Space  | Design       | 620    |         |         |         | 620     |         |         |         |         |         |         |
| 21006                              | Collaboration Space  | Construction | 3,191  |         |         |         |         | 3,191   |         |         |         |         |         |
| 21088                              | Laboratory Facility Improvements                                       | Construction | 2,362  | 206     | 212     | 219     | 225     | 232     | 239     | 246     | 253     | 261     | 269     |
| 21090                              | Main Wastewater Treatment Plant RCER                                   | Construction | 28,339 | 2,472   | 2,546   | 2,623   | 2,701   | 2,782   | 2,866   | 2,952   | 3,040   | 3,131   | 3,225   |
| 21012                              | Main Wastewater Treatment Plant - Space Requirement Planning           | Planning     | 206    | 206     |         |         |         |         |         |         |         |         |         |
| All Projects                       |  |              | 91,411 | 6,387   | 11,161  | 15,233  | 16,433  | 10,657  | 9,481   | 9,347   | 3,927   | 4,045   | 4,741   |

Award Purpose:

Contingency

Award:

7000354-Contingency - Wastewater

Lead Department:

Wastewater

Start Year:

FY 2026

Award Description

The Water and Wastewater systems have independent capital contingency funds to ensure the timely response to unanticipated critical work, and potentially support projects that are contingent upon the receipt of grants or other outside funding. The Contingency Awards are only intended to provide appropriations to existing Awards approved by the Board in the event of material unexpected cost increases or due to unexpected emergencies, without requiring the Board amend the budget, and without each Award incurring its own contingency, which could significantly increase overall capital appropriations. Transfers of contingency appropriations are uncommon and costs that significantly exceed budget expectations are reported to the Board under existing policies. Transfers out of the Capital Contingency Awards are approved by the Director of Finance, and the General Manager and Board of Directors are informed when the amount is greater than \$2.5 million.

| Appropriations (\$ Thousands) |        |         |         |
|-------------------------------|--------|---------|---------|
| Phase                         | Total  | FY 2026 | FY 2027 |
| Planning                      | -      | -       | -       |
| Design                        | -      | -       | -       |
| Construction                  | -      | -       | -       |
| Recurring                     | -      | -       | -       |
| Other                         | 16,457 | 7,981   | 8,476   |
| Total                         | 16,457 | 7,981   | 8,476   |

| Projected Cash Flow (\$ Thousands) |               |              |       |         |         |         |         |         |         |         |         |         |         |
|------------------------------------|---------------|--------------|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CIP ID                             | Project Title | Phase        | Total | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
|                                    |               | Planning     |       |         |         |         |         |         |         |         |         |         |         |
|                                    |               | Design       |       |         |         |         |         |         |         |         |         |         |         |
|                                    |               | Construction |       |         |         |         |         |         |         |         |         |         |         |

RESOLUTION NO. \_\_\_\_\_

APPROVING AND ADOPTING THE BUDGET OF THE EAST BAY MUNICIPAL UTILITY DISTRICT WATER AND WASTEWATER SYSTEMS FOR FISCAL YEAR 2026 AND FISCAL YEAR 2027, ESTABLISHING THE TERMS AND CONDITIONS FOR THE PAYMENT OF DEMANDS AGAINST THE DISTRICT, DELEGATING AUTHORITY FOR CERTAIN BUDGET IMPLEMENTATION ACTIONS, AND EXPRESSING THE DISTRICT'S INTENTION TO ISSUE TAX EXEMPT DEBT OBLIGATIONS FOR REIMBURSEMENT OF EXPENDITURES FOR CERTAIN CAPITAL IMPROVEMENT PROJECTS

Introduced by Director \_\_\_\_\_ ; Seconded by Director \_\_\_\_\_

WHEREAS, the General Manager has prepared an estimate of all expenditures necessary and advisable for the proper conduct of the activities of the East Bay Municipal Utility District (District) and submitted the estimate to the Board of Directors (Board) in the Fiscal Year 2026 (FY 2026) and Fiscal Year 2027 (FY 2027) Biennial Budget (Biennial Budget), which is reflected in the Proposed Biennial Budget Fiscal Years 2026 and 2027, Volumes 1 and 2; and

WHEREAS, workshops were held on January 28, 2025 and March 25, 2025, at which time the Board and members of the public were provided an opportunity to review and ask questions about the Biennial Budget; and

WHEREAS, adoption of this Resolution does not constitute a project under the California Environmental Quality Act (CEQA) Guidelines section 15378(b)(4) because approving and adopting the budget of the District's Water and Wastewater Systems for FY 2026 and FY 2027, establishing the terms and conditions for the payment of demands against the District, delegating authority for certain budget implementation actions, and expressing the District's intention to issue tax exempt debt obligations for reimbursement of expenditures for certain capital improvement projects, involve the creation of a government funding mechanism or other government fiscal activities and do not involve any commitment to any specific project which may result in a potentially significant impact on the environment; and

WHEREAS, the Board has considered all the oral and written information presented to it; and

WHEREAS, the Board desires to adopt a budget for FY 2026 and FY 2027, to appropriate funds for expenditure consistent with the adopted budget, and to delegate certain limited authority, as specified in this Resolution, to incur obligations, to provide for payment of demands against the District, to make certain transfers of appropriated funds, and for other purposes specified herein; and

WHEREAS, the District expects to finance, from time to time, a portion of the costs of the District's capital improvement program for its Water and Wastewater Systems through the issuance and sale of obligations, the interest upon which is excluded from gross income for federal income tax purposes, and the Board desires to establish, at this time, the District's intention to reimburse itself from the proceeds of such tax-exempt obligations for certain expenditures incurred by the District in connection with its capital improvement program prior to

the issuance of the debt obligations;

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the East Bay Municipal Utility District as follows:

Section 1. The Biennial Budget is hereby approved and adopted as the FY 2026 and FY 2027 budget for the District. The Director of Finance is directed to prepare final budget documents in accordance with such approval and adoption, which shall be kept on file in the Office of the Secretary. The final budget documents may incorporate minor modifications to the Biennial Budget provided such modifications do not result in a change to any amounts stated in Section 2 of this Resolution. The adopted budget may be further modified without further action of the Board only to the extent authorized by another provision of this Resolution.

Section 2. For the purposes of complying with section 11891.5 of the Public Utilities Code, the FY 2026 and FY 2027 budget is expressed in major groups of accounts as indicated below. The following amounts are hereby appropriated for expenditure:

| WATER SYSTEM:           | <u>FY 2026</u>     | <u>FY 2027</u>     |
|-------------------------|--------------------|--------------------|
| Operating Budget        | \$456,433,205      | \$478,498,390      |
| Debt Service            | 269,710,000        | 289,380,000        |
| <u>Capital Budget</u>   | <u>729,154,266</u> | <u>394,444,383</u> |
| Total Water System      | \$1,455,297,471    | \$1,162,322,773    |
| WASTEWATER SYSTEM:      |                    |                    |
| Operating Budget        | \$118,937,574      | \$123,682,296      |
| Debt Service            | 36,925,000         | 36,790,000         |
| <u>Capital Budget</u>   | <u>90,315,931</u>  | <u>120,779,370</u> |
| Total Wastewater System | \$246,178,505      | \$281,251,666      |

Section 3. The General Manager is authorized to approve the payment of demands against the District in FY 2026, without further Board authorization, so long as the demands are incurred for purposes and within the amounts set forth in Section 2 of this Resolution, and as said amounts may be amended, with respect to FY 2026. Projection of the District's operations with respect to FY 2027 will be resubmitted to the Board in June 2026 for review and approval, consistent with Public Utilities Code section 11891.5.

Section 4. The General Manager is authorized for FY 2026 and FY 2027 to transfer funds between the Capital Budget and the Operating Budget within each of the Water and Wastewater Systems' respective budgets as required, but not to exceed a variance of 5.0 percent of the affected Capital or Operating Budgets, whichever is higher in dollar terms, and provided that the total budget for each of the two systems remains unchanged.

Section 5. Subject to compliance with section 12751 of the Public Utilities Code, authority is hereby delegated to incur obligations for the purposes and within the amounts specified for such purposes in the budget hereby approved under such terms and conditions as the General Manager shall establish.

Section 6. In order to provide for completion of work authorized but not completed as of the close of the fiscal year, balances remaining at the close of FY 2025 and FY 2026, respectively, are hereby appropriated for expenditure in the subsequent fiscal year, in addition to the applicable fiscal year appropriations for capital and operating expenditures.

Section 7. The Director of Finance is hereby authorized and directed to distribute the FY 2026 and FY 2027 appropriations to the various accounts of the District in accordance with generally accepted accounting principles and consistent with the purposes and objectives identified in the approved budget. The Director of Finance is further authorized to apply surplus revenues above the targeted reserve levels identified in the approved budget to retire currently outstanding bonds where it is cost-effective to do so, fund capital expenditures in FY 2026 and FY 2027, or set aside revenues in a restricted fund to fund capital expenditures. Department directors and department managers are authorized, with approval of the Office of Budget and Performance, to transfer unexpended funds to other approved operations or capital projects, provided that the total Capital Budget and Operating Budget for the Water and Wastewater Systems remain unchanged. An annual report of the transferred capital unexpended funds will be submitted by the Office of Budget and Performance to the General Manager. This Section 7 does not modify or limit the authority given to the General Manager by Section 4.

Section 8. Notwithstanding Section 2 of this Resolution, any appropriations necessary to fulfill the purposes of a grant duly accepted by the District are hereby appropriated for the purposes for which the grant has been approved. Such appropriation includes authorization for the General Manager to expend such monies and for the Director of Finance to make payments therefor in accordance with the terms and conditions and for the purposes of the grant.

Section 9. The Board hereby declares the District's intent to reimburse itself with the proceeds of one or more issues of tax-exempt bonds, commercial paper notes, or other indebtedness (Obligations) for a portion of the costs of the District's capital improvement program for its Water and Wastewater Systems, as set forth above in the District's planned capital expenses in the Biennial Budget. The maximum principal amount of the Obligations expected to be issued from time to time to finance the costs of such capital improvement program, as set forth in the District's planned capital expenses is in aggregate \$1,178,375,000 for the Water System (\$579,531,000 for FY 2026 expenditures, and \$598,844,000 million for FY 2027 expenditures), and in aggregate \$170,771,000 for the Wastewater System (\$82,912,000 for FY 2026 expenditures, and \$87,859,000 for FY 2027 expenditures). The District reasonably expects on the date hereof that it will reimburse certain expenditures paid pursuant to the District's planned capital expenses in the Biennial Budget with the proceeds of the Obligations.

Section 10. Proceeds of the Obligations to be used to reimburse for costs are not expected to be used within one year of reimbursement, directly or indirectly to pay debt service with respect to any obligation (other than to pay current debt service coming due within the next succeeding one year period on any tax-exempt obligation of the District (other than the Obligations)) or to be held as a reasonably required reserve or replacement fund with respect to an obligation of the District or any entity related in any manner to the District, or to reimburse any expenditure that was originally paid with the proceeds of any obligation, or to replace funds that are or will be used in such manner.



Section 11. This Resolution is consistent with the budgetary and financial circumstances of the District as of the date hereof. No monies from sources other than the Obligations are, or are reasonably expected to be, reserved, allocated on a long-term basis, or otherwise set aside by the District or any related party pursuant to their budget or financial policies with respect to the costs to be reimbursed from the Obligations.

Section 12. Among other purposes, this Resolution is adopted as an official action of the District in order to comply with Treasury Regulation section 1.150-2 and any other regulations of the Internal Revenue Service relating to the qualification for reimbursement of the District expenditures incurred prior to the date of issue of the Obligations, is part of the District's official proceedings, and will be available for inspection by the general public at the main administrative office of the District.

ADOPTED this 10th day of June, 2025 by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

ATTEST:

\_\_\_\_\_  
President

\_\_\_\_\_  
Secretary

APPROVED AS TO FORM AND PROCEDURE:

\_\_\_\_\_  
General Counsel



## BOARD ACTION

|                |     |               |               |
|----------------|-----|---------------|---------------|
| Agenda Number: | 20. | Meeting Date: | June 10, 2025 |
|----------------|-----|---------------|---------------|

### TITLE FISCAL YEARS 2026 AND 2027 POSITION RESOLUTION

ACTION ☐ Motion: ☒ Resolution: ☐ Ordinance:

RECOMMENDED ACTION Adopt the proposed position resolution for Fiscal Year (FY) 2026 and FY 2027 to implement necessary staffing and classification changes.

SUMMARY The recommended action will ensure that position changes funded in the FY 2026 and FY 2027 biennial budget are in place for implementation on July 1, 2025 and July 1, 2026.

DISCUSSION

The position resolution reflects those staffing and classification changes requiring Board approval that are requested in the FY 2026 and FY 2027 operating and capital budgets. Proposed staffing changes are consistent with the Strategic Plan goals.

Exhibit A summarizes the number of estimated staff years and net change in overall staffing for each department for FY 2026 and FY 2027. Staffing needs for FY 2027 will be re-evaluated when mid-cycle budget changes are considered in May 2026.


Exhibit B1 itemizes the specific extensions of limited-term positions, additions, deletions, and conversions of positions by organization for FY 2026. Exhibit B2 itemizes additions of positions by organization for FY 2027.

Proposed staffing for FY 2026 is 2242.25 full-time equivalents (FTEs), a net increase of 10.5 FTEs from FY 2025. The additional positions support the customer service call center and the customer support program, data analytics, employee relations support, maintenance and operations support, community education, and wastewater capital projects.

Proposed staffing for FY 2027 is 2244.25 FTEs, an increase of two FTEs from FY 2026 due to the addition of limited-term Utility Laborer positions in the Maintenance and Construction Department.

The recommended staffing actions contained in Exhibits A, B1, and B2 are consistent with changes included in the proposed budget documents discussed at the March 25, 2025 Budget Workshop.

Exhibit C includes the addition of three new classifications, and the deletion of two obsolete classifications in FY 2026. The new Outreach and Education Specialist classification is being created in FY 2026 to support educational outreach initiatives by leading field trips, facilitating classroom presentations and engaging the public at community events. The new Data Scientist classifications are being created to provide enhanced data analytics. Two classifications will be deleted in FY 2026 including Equipment Superintendent and Senior Legal Secretary.

|  |   |                          |   |
|--|---|--------------------------|---|
| <b>Originating Department:</b><br>Human Resources          | <b>Department Director or Manager:</b><br>Cindy R. Charan | <b>CEP Forms?</b><br>N/A | <b>Board Action Type:</b><br>Administration   |
| <b>Funds Available:</b><br>N/A                             | <b>Budget Coding:</b><br>N/A                              |                          | <b>Approved:</b><br> |
| <b>Attachment(s):</b><br>Exhibits A, B1, B2, C; Resolution |   |                          |   |

|        |  |               |               |
|--------|--|---------------|---------------|
| Title: | Fiscal Years 2026 and 2027 Position Resolution | Meeting Date: | June 10, 2025 |
|--------|--|---------------|---------------|

In the FY 2026 and FY 2027 operating and capital budgets, several positions will transition from Temporary, Part-Time, Limited-Term, or Temporary Construction status to another status. During this transition, to maintain efficient operations, an extension is being requested to retain the current status of the positions as authorized in the FY 2026 Staffing Plan, that are currently filled, until they are filled in the new capacity as described in the FY 2026 and FY 2027 operating and capital budgets.

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**SUSTAINABILITY****Economic**

The District's estimated net change in cost for salary and benefits for the staffing changes reflected in this position resolution is \$4.0 million in FY 2026 and \$0.3 million in FY 2027. These amounts are included in the District's proposed FY 2026 and FY 2027 operating and capital budgets.

**Social**

The proposed position resolution changes to Union represented positions and classifications have been reviewed with Locals 444, 2019 and 21 and no objections were raised. No staffing changes were proposed for positions or classifications represented by Local 39.

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**ALTERNATIVE**

**Do not adopt the FY 2026 and FY 2027 position resolution.** This alternative is not recommended because it would prevent authorization of staffing changes critical to the accomplishment of the District's Strategic Plan and operations during FY 2026 and FY 2027.

I:\Sec\2025 Board Related Items\061025 Board Agenda Items\HRD\Fiscal Years 2026 and 2027 Position Resolution.docx

**EXHIBIT "A"**  
**SUMMARY OF STAFF CHANGES**  
**(July 1, 2025)**

| <b>Group/Department</b>                           | <b>FY2025<br/>Amended<br/>Staff Years<sup>(1)</sup></b> | <b>FY2026<br/>Recommended<br/>Staff Years<sup>(2)</sup></b> | <b>FY2026<br/>Net Change</b> | <b>FY2027<br/>Recommended<br/>Staff Years<sup>(2)</sup></b> | <b>FY2027<br/>Net Change</b> |
|---|---|---|------------------------------|---|------------------------------|
| ADMINISTRATION                                    | <u>0</u>  | <u>0</u>  | <u>0</u>                     | <u>0</u>  | <u>0</u>                     |
| CUSTOMER AND COMMUNITY SERVICES                   | <u>139.5</u>  | <u>137.5</u>  | <u>-2</u>                    | <u>137.5</u>  | <u>0</u>                     |
| DROUGHT   | <u>15</u>   | <u>15</u>   | <u>0</u>                     | <u>15</u>   | <u>0</u>                     |
| ENGINEERING AND CONSTRUCTION                      | <u>292</u>  | <u>292</u>  | <u>0</u>                     | <u>292</u>  | <u>0</u>                     |
| FINANCE   | <u>197.5</u>  | <u>200</u>  | <u>2.5</u>                   | <u>200</u>  | <u>0</u>                     |
| Finance   | 100.5   | 102   | 1.5                          | 102   | 0                            |
| Information Systems                               | 97  | 98  | 1                            | 98  | 0                            |
| HUMAN RESOURCES                                   | <u>46.5</u>   | <u>48</u>   | <u>1.5</u>                   | <u>48</u>   | <u>0</u>                     |
| OFFICE OF THE GENERAL COUNSEL                     | <u>16.5</u>   | <u>16.5</u>   | <u>0</u>                     | <u>16.5</u>   | <u>0</u>                     |
| OFFICE OF THE GENERAL MANAGER                     | <u>80.5</u>   | <u>83</u>   | <u>2.5</u>                   | <u>83</u>   | <u>0</u>                     |
| MAINTENANCE AND CONSTRUCTION                      | <u>632.5</u>  | <u>633.5</u>  | <u>1</u>                     | <u>635.5</u>  | <u>2</u>                     |
| OPERATIONS & MAINTENANCE SUPPORT                  | <u>56</u>   | <u>59</u>   | <u>3</u>                     | <u>59</u>   | <u>0</u>                     |
| WATER OPERATIONS                                  | <u>339.25</u>   | <u>336.25</u>   | <u>-3</u>                    | <u>336.25</u>   | <u>0</u>                     |
| WATER AND NATURAL RESOURCES                       | <u>104.5</u>  | <u>106.5</u>  | <u>2</u>                     | <u>106.5</u>  | <u>0</u>                     |
| Water Resources                                   | 36  | 36  | 0                            | 36  | 0                            |
| Natural Resources                                 | 68.5  | 70.5  | 2                            | 70.5  | 0                            |
| WATER RECYCLING PROGRAM                           | <u>8</u>  | <u>9</u>  | <u>1</u>                     | <u>9</u>  | <u>0</u>                     |
| <b>WATER SYSTEM TOTAL</b>                         | <b>1927.75</b>  | <b>1936.25</b>  | <b>8.5</b>                   | <b>1938.25</b>  | <b>2</b>                     |
| WASTEWATER  | <u>304</u>  | <u>306</u>  | <u>2</u>                     | <u>306</u>  | <u>0</u>                     |
| <b>DISTRICT-WIDE TOTAL IN FTEs <sup>(3)</sup></b> | <b>2231.75</b>  | <b>2242.25</b>  | <b>10.5</b>                  | <b>2244.25</b>  | <b>2</b>                     |

Notes (1), (2), (3) - See page 2

**EXHIBIT "A"**  
**SUMMARY OF STAFF CHANGES**  
**(July 1, 2025)**

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| <b>TOTAL POSITIONS AUTHORIZED BY TYPE OF STATUS</b>   | <b>FY26<br/>Positions</b> | <b>FY26<br/>Net Change</b> | <b>FY27<br/>Positions</b> | <b>FY27<br/>Net Change</b> |
|---|---------------------------|----------------------------|---------------------------|----------------------------|
| Full-Time   | 2139                      | 13                         | 2139                      | 0                          |
| Temporary   | 43                        | -4                         | 43                        | 0                          |
| Part-Time   | 14                        | -7                         | 14                        | 0                          |
| Intermittent  | 5                         | 0                          | 5                         | 0                          |
| Temporary Construction and Limited-Term               | 71                        | 3                          | 73                        | 2                          |
| <b>DISTRICT-WIDE TOTAL IN POSITIONS<sup>(3)</sup></b> | <b>2272</b>               | <b>5</b>                   | <b>2274</b>               | <b>2</b>                   |

**Notes to Exhibit A:**

- (1) Amended staffing applies mid-year Board actions, changes to the FY2025 Position Resolution under the General Manager's authority, position transfers, and administrative corrections effective May 19, 2025.
- (2) Regular Full-Time, Temporary Construction, and Limited-Term Positions = 1.0 staff year  
Part-Time and Temporary = 0.5 staff year  
Intermittent = 0.75 staff year
- (3) The District-wide full-time equivalent (FTE) total takes into account that temporary, part-time and intermittent positions are valued at less than 1.0 staff year each. The District-wide position total does not make that distinction.

**EXHIBIT "B1"**  
**FY2026**  
**POSITION ADDITIONS/DELETIONS/CONVERSIONS/REALLOCATIONS/FLEX STAFFING**  
**(July 1, 2025)**

**Customer and Community Services**

|     |            |                    |   |                  |  |              |              | Representation Change <sup>1</sup> |     |    |    |           |            |   |
|-----|------------|--------------------|---|------------------|--|--------------|--------------|------------------------------------|-----|----|----|-----------|------------|---|
| ORG | FTE Change | Position Number(s) | From Classification   | From Character   | To Classification  | To Character | Salary Range | 2019                               | 444 | 21 | 39 | MGR/ CONF | NRP/ EXMPT | Explanation   |
| 314 | (1.00)     | 4586               | Water Conservation Representative                                 | REG              |  |              | 64           | (1.00)                             |     |    |    |           |            | Position no longer needed   |
| 325 | 0.00       | 0033               | New Business Coordinator I  | L/T              | New Business Coordinator I   | L/T          | 60           | 0.00                               |     |    |    |           |            | Reauthorize one LT to continue to support peak workload   |
| 332 | 0.50       | 0303               | Customer Services Representative I/II                             | P/T <sup>2</sup> | Customer Services Representative I/II  | REG          | 51           | 0.50                               |     |    |    |           |            | Full-time position can better provide customer service  |
| 332 | 1.00       | 0361<br>3377       | Customer Services Representative I/II                             | P/T <sup>2</sup> | Customer Services Representative III   | REG          | 55           | 1.00                               |     |    |    |           |            | Increase career ladder in call center and enhanced customer service support   |
| 332 | (0.50)     | 0402               | Worker Trainee  | TEMP             |  |              | 5            |                                    |     |    |    |           | (0.50)     | Classification was abolished  |
| 332 | (1.00)     | 4594<br>5850       | Customer Services Representative I/II                             | P/T              |  |              | 51           | (1.00)                             |     |    |    |           |            | Replaced with full-time positions   |
| 332 | 0.00       | 0322               | Senior Customer Service Representative                            | L/T              | Senior Customer Service Representative                                       | L/T          | 59           | 0.00                               |     |    |    |           |            | Reauthorize one LT, scheduled to revert to temporary status, to continue to support single family liens as an alternative to shut-offs. |
| 339 | 1.00       | 0309<br>0310       | Customer Services Representative I/II                             | P/T <sup>2</sup> | Customer Services Representative I/II  | REG          | 51           | 1.00                               |     |    |    |           |            | Full-time position can better provide customer service  |
| 339 | 0.00       | 0323               | Senior Customer Services Representative/ Customer Service Rep III | L/T <sup>2</sup> | Senior Customer Services Representative/ Customer Service Representative III | REG          | 59           | 0.00                               |     |    |    |           |            | Provide permanent support for the Customer Assistance Program   |

**EXHIBIT "B1"**  
**FY2026**  
**POSITION ADDITIONS/DELETIONS/CONVERSIONS/REALLOCATIONS/FLEX STAFFING**  
**(July 1, 2025)**

**Customer and Community Services (continued)**

|     |            |                    |   |                |   |              |              | Representation Change <sup>1</sup> |     |    |    |           |            |   |
|-----|------------|--------------------|---|----------------|---|--------------|--------------|------------------------------------|-----|----|----|-----------|------------|---|
| ORG | FTE Change | Position Number(s) | From Classification                       | From Character | To Classification                         | To Character | Salary Range | 2019                               | 444 | 21 | 39 | MGR/ CONF | NRP/ EXMPT | Explanation   |
| 335 | 0.00       | 0328               | Customer Services Representative I/II/III | L/T            | Customer Services Representative I/II/III | L/T          | 55           | 0.00                               |     |    |    |           |            | Reauthorize one LT, scheduled to revert to temporary status, to continue to support single family liens as an alternative to shut-offs. |

**Finance**

|     |            |                    |                     |                      |                     |              |              | Representation Change <sup>1</sup> |      |    |    |           |            |   |
|-----|------------|--------------------|---------------------|----------------------|---------------------|--------------|--------------|------------------------------------|------|----|----|-----------|------------|---|
| ORG | FTE Change | Position Number(s) | From Classification | From Character       | To Classification   | To Character | Salary Range | 2019                               | 444  | 21 | 39 | MGR/ CONF | NRP/ EXMPT | Explanation   |
| 232 | 0.50       | 0581               | Storekeeper I/II    | TEMP/PT <sup>2</sup> | Storekeeper I/II    | REG          |              |                                    | 0.50 |    |    |           |            | Meet growing demand for warehouse products, especially pipe |
| 230 | (1.00)     | 1116               | Buyer I/II          | REG                  |                     |              |              | (1.00)                             |      |    |    |           |            | Position no longer needed                                   |
| 218 | 2.00       | TBD                |                     |                      | Data Scientist I/II | REG          |              |                                    |      |    |    | 2.00      |            | Improve data analytics                                      |

**Human Resources**

|     |            |                    |                     |                |                                |              |              | Representation Change <sup>1</sup> |     |    |    |           |            |   |
|-----|------------|--------------------|---------------------|----------------|--------------------------------|--------------|--------------|------------------------------------|-----|----|----|-----------|------------|---|
| ORG | FTE Change | Position Number(s) | From Classification | From Character | To Classification              | To Character | Salary Range | 2019                               | 444 | 21 | 39 | MGR/ CONF | NRP/ EXMPT | Explanation                                     |
| 368 | 2.00       | TBD                |                     |                | Senior Human Resources Analyst | REG          | 73           |                                    |     |    |    | 2.00      |            | Support improved approach to employee relations |

**EXHIBIT "B1"**  
**FY2026**  
**POSITION ADDITIONS/DELETIONS/CONVERSIONS/REALLOCATIONS/FLEX STAFFING**  
**(July 1, 2025)**

**Maintenance and Construction**

|     |            |  |                           |                |                           |              |              | Representation Change <sup>1</sup> |      |    |    |           |            |  |
|-----|------------|--|---------------------------|----------------|---------------------------|--------------|--------------|------------------------------------|------|----|----|-----------|------------|--|
| ORG | FTE Change | Position Number(s)                           | From Classification       | From Character | To Classification         | To Character | Salary Range | 2019                               | 444  | 21 | 39 | MGR/ CONF | NRP/ EXMPT | Explanation  |
| 753 | 0.00       | 0466<br>0522<br>0523<br>0524<br>0526<br>0527 | Meter Reader/<br>Mechanic | L/T            | Meter Reader/<br>Mechanic | L/T          | 54           |                                    | 0.00 |    |    |           |            | Reauthorize six LTs for meter reading and maintenance. Positions scheduled to revert to temporary status are reauthorized as limited term to record water consumption for billing accuracy |
| 755 | 1.00       | TBD  |                           |                | Paving Crew Foreman       | L/T          | 68           |                                    | 1.00 |    |    |           |            | Reduce the concrete paving backlog   |
| 755 | 1.00       | TBD  |                           |                | Concrete Finisher II      | L/T          | 58           |                                    | 1.00 |    |    |           |            | Reduce the concrete paving backlog   |

**Natural Resources**

|     |            |                    |                     |                |                            |              |              | Representation Change <sup>1</sup> |     |    |    |           |            |   |
|-----|------------|--------------------|---------------------|----------------|----------------------------|--------------|--------------|------------------------------------|-----|----|----|-----------|------------|---|
| ORG | FTE Change | Position Number(s) | From Classification | From Character | To Classification          | To Character | Salary Range | 2019                               | 444 | 21 | 39 | MGR/ CONF | NRP/ EXMPT | Explanation                               |
| 491 | 2.00       | TBD                |                     |                | Ranger/<br>Naturalist I/II | L/T          | 58           | 2.00                               |     |    |    |           |            | Reduce risk at upcountry recreation areas |



**EXHIBIT "B1"**  
**FY2026**  
**POSITION ADDITIONS/DELETIONS/CONVERSIONS/REALLOCATIONS/FLEX STAFFING**  
**(July 1, 2025)**

**Office of the General Manager**

|     |            |                    |                                    |                |                                   |              |              | Representation Change <sup>1</sup> |     |      |    |           |            |  |
|-----|------------|--------------------|------------------------------------|----------------|-----------------------------------|--------------|--------------|------------------------------------|-----|------|----|-----------|------------|--|
| ORG | FTE Change | Position Number(s) | From Classification                | From Character | To Classification                 | To Character | Salary Range | 2019                               | 444 | 21   | 39 | MGR/ CONF | NRP/ EXMPT | Explanation  |
| 116 | 1.00       | TBD<br>TBD         |                                    |                | Outreach and Education Specialist | P/T          |              |                                    |     | 1.00 |    |           |            | Enhance school field trips and community education   |
| 144 | 0.50       | 3261               | Ranger/ Naturalist I               | P/T            | Ranger/ Naturalist I              | L/T          | 52           | 0.50                               |     |      |    |           |            | Provide improved workforce development opportunities |
| 144 | (1.00)     | 1202<br>1203       | Information Technology Intern I/II | TEMP/ P/T      |                                   |              | 46           | (1.00)                             |     |      |    |           |            | Positions no longer needed                           |
| 144 | (0.50)     | 3262               | Ranger/ Naturalist I               | P/T            |                                   |              | 52           | (0.50)                             |     |      |    |           |            | Replaced with L/T position                           |

**Operations and Maintenance Support**

|     |            |                    |                     |                |  |              |              | Representation Change <sup>1</sup> |     |    |    |           |            |  |
|-----|------------|--------------------|---------------------|----------------|--|--------------|--------------|------------------------------------|-----|----|----|-----------|------------|--|
| ORG | FTE Change | Position Number(s) | From Classification | From Character | To Classification                        | To Character | Salary Range | 2019                               | 444 | 21 | 39 | MGR/ CONF | NRP/ EXMPT | Explanation  |
| 792 | 2.00       | TBD<br>TBD         |                     |                | Information Systems Support Analyst I/II | T/C          | 70           | 2.00                               |     |    |    |           |            | Support work management software replacement project |

**EXHIBIT "B1"**  
**FY2026**  
**POSITION ADDITIONS/DELETIONS/CONVERSIONS/REALLOCATIONS/FLEX STAFFING**  
**(July 1, 2025)**

**Wastewater**

|     |            |                    |                                    |                  |                                 |              |              | Representation Change <sup>1</sup> |      |    |    |           |            | Explanation                             |
|-----|------------|--------------------|------------------------------------|------------------|---------------------------------|--------------|--------------|------------------------------------|------|----|----|-----------|------------|---|
| ORG | FTE Change | Position Number(s) | From Classification                | From Character   | To Classification               | To Character | Salary Range | 2019                               | 444  | 21 | 39 | MGR/ CONF | NRP/ EXMPT |   |
| 904 | 1.00       | TBD                |                                    |                  | L/T Technical Trades Apprentice | L/T          | 44A          |                                    | 1.00 |    |    |           |            | Increase opportunities in the trades    |
| 911 | 1.00       | TBD                |                                    |                  | Electrical Technician           | REG          | 74           |                                    | 1.00 |    |    |           |            | Complete critical electrical projects   |
| 927 | 0.00       | 1230<br>1231       | Associate Civil Engineer           | T/C <sup>2</sup> | Associate Civil Engineer        | REG          | 76           | 0.00                               |      |    |    |           |            | Support baseline growth in capital plan |
| 911 | 0.00       | 1232               | Associate Civil Engineer           | T/C <sup>2</sup> | Associate Civil Engineer        | REG          | 76           | 0.00                               |      |    |    |           |            | Support baseline growth in capital plan |
| 942 | (1.00)     | 1227               | Wastewater Control In-spector I/II | L/T              |                                 |              |              | (1.00)                             |      |    |    |           |            | Position no longer needed               |

| District-wide Representation Change   |  |  |  |  |  |  |  | 2019 | 444 | 21   | 39   | MGR/ CONF | NRP/ EXMPT |
|---------------------------------------|--|--|--|--|--|--|--|------|-----|------|------|-----------|------------|
| Total FY2026 Representation (NET FTE) |  |  |  |  |  |  |  | 1.50 | 4.5 | 1.00 | 0.00 | 4.00      | (0.50)     |

**Notes to Exhibit B:**

1. "0.00" in the Representation Change column indicates no net change in FTE count.
2. Character type will be extended until transitioned to new character type.

**EXHIBIT "B2"**  
**FY2027**  
**POSITION ADDITIONS/DELETIONS/CONVERSIONS/REALLOCATIONS/FLEX STAFFING**  
**(July 1, 2026)**

**Maintenance and Construction**

|     |            |                    |                     |                |                   |              |              | Representation Change <sup>1</sup> |      |    |    |           |            |  |
|-----|------------|--------------------|---------------------|----------------|-------------------|--------------|--------------|------------------------------------|------|----|----|-----------|------------|--|
| ORG | FTE Change | Position Number(s) | From Classification | From Character | To Classification | To Character | Salary Range | 2019                               | 444  | 21 | 39 | MGR/ CONF | NRP/ EXMPT | Explanation  |
| 746 | 2.00       | TBD                |                     |                | Utility Laborer   | L/T          | 51           |                                    | 2.00 |    |    |           |            | Reduce FM&O for saw cutting as pipeline mileage goal increases |

| District-wide Representation Change   |  |  |  |  |  |  |  | 2019 | 444  | 21   | 39   | MGR/ CONF | NRP/ EXMPT |
|---------------------------------------|--|--|--|--|--|--|--|------|------|------|------|-----------|------------|
| Total FY2027 Representation (NET FTE) |  |  |  |  |  |  |  | 0.00 | 2.00 | 0.00 | 0.00 | 0.00      | 0.00       |

**Notes to Exhibit B:**

1. "0.00" in the Representation Change column indicates no net change in FTE count.
2. Character type will be extended until transitioned to new character type.

**EXHIBIT “C”  
FY2026  
CLASSIFICATION PLAN CHANGES  
(July 1, 2025)**

**CLASSIFICATION ADDITIONS**

| <b>Class Code</b> | <b>Class Title</b>                | <b>Monthly Salary Range</b> | <b>Rep. Unit</b> | <b>Explanation</b>                                 |
|-------------------|-----------------------------------|-----------------------------|------------------|--|
| TBD               | Outreach and Education Specialist | R60 \$8,752 - \$10,133      | 21               | Enhance school field trips and community education |
| TBD               | Data Scientist I                  | R67 \$9,913 - \$12,049      | CNF              | Improve data analytics                             |
| TBD               | Data Scientist II                 | R75 \$12,680 - \$14,679     | CNF              | Improve data analytics                             |

**CLASSIFICATION DELETIONS**

| <b>Class Code</b> | <b>Class Title</b>       | <b>Monthly Salary Range</b> | <b>Rep. Unit</b> | <b>Explanation</b>   |
|-------------------|--------------------------|-----------------------------|------------------|--|
| 2580              | Equipment Superintendent | R76 \$13,002 - \$15,052     | 21               | Redundant with Assistant Construction & Maintenance Superintendent |
| 5634              | Senior Legal Secretary   | R63 \$9,436 - \$10,923      | CNF              | Redundant with Paralegal and Litigation Assistant                  |

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RESOLUTION NO. \_\_\_\_\_

AUTHORIZING THE NUMBER AND CHARACTER OF POSITIONS AND AUTHORIZING  
THE GENERAL MANAGER TO TAKE ACTION IN CONNECTION THEREWITH

Introduced by Director

; Seconded by Director

WHEREAS, the Board of Directors (Board) of the East Bay Municipal Utility District (District) is charged with the responsibility to determine and create the number and character of positions required to carry on the functions of the District; and

WHEREAS, the General Manager has filed a report with the Board recommending that 2,242.25 full-time equivalent (FTE) positions be authorized to carry on the functions of the District in Fiscal Year 2026 (FY 2026) and 2,244.25 FTE positions be authorized to carry on the functions of the District in Fiscal Year 2027 (FY 2027);

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the East Bay Municipal Utility District as follows:

1. That 2,242.24 FTE positions be and hereby are authorized for FY 2026 and 2,244.25 FTE positions be and hereby are authorized for FY 2027, and that said positions are hereby converted, reallocated, created, deleted, and/or flexibly staffed in accordance with Exhibits A, B1, B2 and C, which are attached hereto and incorporated herein by this reference, and that the character of the positions (Full-Time Civil Service, Full-Time Civil Service Exempt, Limited Term, Temporary Construction, Temporary, Intermittent, and Part-Time) so authorized shall be as set forth in said Exhibits.
2. That the necessary amounts for salaries and benefits for the positions authorized in Section 1 of this Resolution for FY 2026 and FY 2027, which include the classification plan changes set forth in Exhibit C, are hereby authorized and appropriated, and that the salary schedules and monthly salary or wage rates for the positions authorized in this Resolution are approved.
3. That the Board hereby authorizes the General Manager to determine the specific classification and organizational placement within the District for each of the authorized positions and authorizes the General Manager to reallocate, flexibly staff, reassign and/or transfer said existing positions and personnel within the District, provided that: (1) the total number of positions that are represented remains unchanged for each fiscal year; (2) the character of the positions as enumerated above and as set forth in Exhibits A, B1, B2 and C is not changed provided, however, that the General Manager is authorized to flexibly staff regular full-time civil service positions with intermittent civil service positions consistent with procedures adopted by the General Manager for that purpose; (3) the total approved salaries and benefits for FY 2026 and FY 2027 are not exceeded;

(4) this authority is exercised in accordance with applicable District rules, regulations, policies and procedures, including those adopted to implement the District's civil service system set forth at Section 12051, *et seq.* of the Municipal Utility District Act and any applicable provisions of relevant Memoranda of Understanding between the District and AFSCME Local 444, AFSCME Local 2019, IFPTE Local 21, and IUOE Local 39; and (5) the General Manager posts notice of such proposed changes in a conspicuous place at the District, and also notifies the Board of Directors, AFSCME Local 444, AFSCME Local 2019, IFPTE Local 21, and IUOE Local 39 of such proposed changes at least seven (7) calendar days prior to making any such change.

4. That the continuing operational need for any and all Limited Term and Temporary Construction positions included in the budget for FY 2026 and FY 2027 be evaluated and reported on by departments as part of their budget request for FY 2026 and FY 2027. Departments are responsible for ensuring that Limited Term and Temporary Construction positions are terminated at the end of their assigned project and are not reassigned without obtaining approval from the General Manager and the Board.
5. That all other resolutions or motions or parts thereof in conflict with this Resolution are revoked, provided that the authority of the General Manager or the General Manager's designee to create special replacement positions (Section 4, Resolution No. 30950-84; Section 3, Resolution No. 31904-87, and Section 4, Resolution No. 32084-88 as amended by Resolution No. 33425-04) and to transfer functions and positions (Section 5, Resolution No. 30950-84) and to approve special replacement positions/classifications for Limited Term and Temporary Construction positions (Section 3, Resolution No. 31303-85) and to temporarily replace full-time employees who are absent or are on approved leave as a result of participation in the District's drug and alcohol testing program, not to exceed a maximum of six (6) months and in accordance with applicable District Civil Service Rules (Section 8, Resolution No. 32926-95) and to designate the classification, organizational assignment, duration, and appointments for up to ten (10) Workforce Transition positions to mitigate near term retirements (Resolution No. 33676-08) in accordance with applicable District Civil Service Rules shall remain in full force and effect.

BE IT FURTHER RESOLVED by the Board of Directors of the East Bay Municipal Utility District that, in accordance with Exhibit C, attached hereto and incorporated herein:

6. The following classifications shall be added: (1) Outreach and Education Specialist; (2) Data Scientist I; and (3) Data Scientist II.

7. The following classifications shall be deleted: (1) Equipment Superintendent; and (2) Senior Legal Secretary.

BE IT FURTHER RESOLVED that this Resolution shall become effective July 1, 2025.

ADOPTED this 10th day of June, 2025 by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

---

President

ATTEST:

---

Secretary

APPROVED AS TO FORM AND PROCEDURE:

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General Counsel



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**EXHIBIT "A"**  
**SUMMARY OF STAFF CHANGES**  
**(July 1, 2025)**

| Group/Department                                  | FY2025<br>Amended<br>Staff Years <sup>(1)</sup> | FY2026<br>Recommended<br>Staff Years <sup>(2)</sup> | FY2026<br>Net Change | FY2027<br>Recommended<br>Staff Years <sup>(2)</sup> | FY2027<br>Net Change |
|---|---|---|----------------------|---|----------------------|
| ADMINISTRATION                                    | <u>0</u>  | <u>0</u>  | <u>0</u>             | <u>0</u>  | <u>0</u>             |
| CUSTOMER AND COMMUNITY SERVICES                   | <u>139.5</u>                                    | <u>137.5</u>  | <u>-2</u>            | <u>137.5</u>  | <u>0</u>             |
| DROUGHT   | <u>15</u>                                       | <u>15</u>   | <u>0</u>             | <u>15</u>   | <u>0</u>             |
| ENGINEERING AND CONSTRUCTION                      | <u>292</u>                                      | <u>292</u>  | <u>0</u>             | <u>292</u>  | <u>0</u>             |
| FINANCE   | <u>197.5</u>                                    | <u>200</u>  | <u>2.5</u>           | <u>200</u>  | <u>0</u>             |
| Finance   | 100.5   | 102   | 1.5                  | 102   | 0                    |
| Information Systems                               | 97  | 98  | 1                    | 98  | 0                    |
| HUMAN RESOURCES                                   | <u>46.5</u>                                     | <u>48</u>   | <u>1.5</u>           | <u>48</u>   | <u>0</u>             |
| OFFICE OF THE GENERAL COUNSEL                     | <u>16.5</u>                                     | <u>16.5</u>   | <u>0</u>             | <u>16.5</u>   | <u>0</u>             |
| OFFICE OF THE GENERAL MANAGER                     | <u>80.5</u>                                     | <u>83</u>   | <u>2.5</u>           | <u>83</u>   | <u>0</u>             |
| MAINTENANCE AND CONSTRUCTION                      | <u>632.5</u>                                    | <u>633.5</u>  | <u>1</u>             | <u>635.5</u>  | <u>2</u>             |
| OPERATIONS & MAINTENANCE SUPPORT                  | <u>56</u>                                       | <u>59</u>   | <u>3</u>             | <u>59</u>   | <u>0</u>             |
| WATER OPERATIONS                                  | <u>339.25</u>                                   | <u>336.25</u>                                       | <u>-3</u>            | <u>336.25</u>                                       | <u>0</u>             |
| WATER AND NATURAL RESOURCES                       | <u>104.5</u>                                    | <u>106.5</u>  | <u>2</u>             | <u>106.5</u>  | <u>0</u>             |
| Water Resources                                   | 36  | 36  | 0                    | 36  | 0                    |
| Natural Resources                                 | 68.5  | 70.5  | 2                    | 70.5  | 0                    |
| WATER RECYCLING PROGRAM                           | <u>8</u>  | <u>9</u>  | <u>1</u>             | <u>9</u>  | <u>0</u>             |
| <b>WATER SYSTEM TOTAL</b>                         | <b>1927.75</b>                                  | <b>1936.25</b>                                      | <b>8.5</b>           | <b>1938.25</b>                                      | <b>2</b>             |
| WASTEWATER  | <u>304</u>                                      | <u>306</u>  | <u>2</u>             | <u>306</u>  | <u>0</u>             |
| <b>DISTRICT-WIDE TOTAL IN FTEs <sup>(3)</sup></b> | <b>2231.75</b>                                  | <b>2242.25</b>                                      | <b>10.5</b>          | <b>2244.25</b>                                      | <b>2</b>             |

Notes <sup>(1)</sup>, <sup>(2)</sup>, <sup>(3)</sup> - See page 2

**EXHIBIT "A"**  
**SUMMARY OF STAFF CHANGES**  
**(July 1, 2025)**

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| <b>TOTAL POSITIONS AUTHORIZED BY TYPE OF STATUS</b>   | <b>FY26<br/>Positions</b> | <b>FY26<br/>Net Change</b> | <b>FY27<br/>Positions</b> | <b>FY27<br/>Net Change</b> |
|---|---------------------------|----------------------------|---------------------------|----------------------------|
| Full-Time   | 2139                      | 13                         | 2139                      | 0                          |
| Temporary   | 43                        | -4                         | 43                        | 0                          |
| Part-Time   | 14                        | -7                         | 14                        | 0                          |
| Intermittent  | 5                         | 0                          | 5                         | 0                          |
| Temporary Construction and Limited-Term               | 71                        | 3                          | 73                        | 2                          |
| <b>DISTRICT-WIDE TOTAL IN POSITIONS<sup>(3)</sup></b> | <b>2272</b>               | <b>5</b>                   | <b>2274</b>               | <b>2</b>                   |

**Notes to Exhibit A:**

- (1) Amended staffing applies mid-year Board actions, changes to the FY2025 Position Resolution under the General Manager's authority, position transfers, and administrative corrections effective May 19, 2025.
- (2) Regular Full-Time, Temporary Construction, and Limited-Term Positions = 1.0 staff year  
Part-Time and Temporary = .5 staff year  
Intermittent = .75 staff year
- (3) The District-wide full-time equivalent (FTE) total takes into account that temporary, part-time and intermittent positions are valued at less than 1.0 staff year each. The District-wide position total does not make that distinction.

**EXHIBIT "B1"**  
**FY2026**  
**POSITION ADDITIONS/DELETIONS/CONVERSIONS/REALLOCATIONS/FLEX STAFFING**  
**(July 1, 2025)**

**Customer and Community Services Department**

|     |            |                    |   |                  |  |              |              | Representation Change <sup>1</sup> |     |    |    |           |            |   |
|-----|------------|--------------------|---|------------------|--|--------------|--------------|------------------------------------|-----|----|----|-----------|------------|---|
| ORG | FTE Change | Position Number(s) | From Classification   | From Character   | To Classification  | To Character | Salary Range | 2019                               | 444 | 21 | 39 | MGR/ CONF | NRP/ EXMPT | Explanation   |
| 314 | (1.00)     | 4586               | Water Conservation Representative                                 | REG              |  |              | 64           | (1.00)                             |     |    |    |           |            | Position no longer needed   |
| 325 | 0.00       | 0033               | New Business Coordinator I  | L/T              | New Business Coordinator I   | L/T          | 60           | 0.00                               |     |    |    |           |            | Reauthorize one LT to continue to support peak workload   |
| 332 | 0.50       | 0303               | Customer Services Representative I/II                             | P/T <sup>2</sup> | Customer Services Representative I/II  | REG          | 51           | 0.50                               |     |    |    |           |            | Full-time position can better provide customer service  |
| 332 | 1.00       | 0361<br>3377       | Customer Services Representative I/II                             | P/T <sup>2</sup> | Customer Services Representative III   | REG          | 55           | 1.00                               |     |    |    |           |            | Increase career ladder in call center and enhanced customer service support   |
| 332 | (0.50)     | 0402               | Worker Trainee  | TEMP             |  |              | 5            |                                    |     |    |    |           | (0.50)     | Classification was abolished  |
| 332 | (1.00)     | 4594<br>5850       | Customer Services Representative I/II                             | P/T              |  |              | 51           | (1.00)                             |     |    |    |           |            | Replaced with full-time positions   |
| 332 | 0.00       | 0322               | Senior Customer Service Representative                            | L/T              | Senior Customer Service Representative                                       | L/T          | 59           | 0.00                               |     |    |    |           |            | Reauthorize one LT, scheduled to revert to temporary status, to continue to support single family liens as an alternative to shut-offs. |
| 339 | 1.00       | 0309<br>0310       | Customer Services Representative I/II                             | P/T <sup>2</sup> | Customer Services Representative I/II  | REG          | 51           | 1.00                               |     |    |    |           |            | Full-time position can better provide customer service  |
| 339 | 0.00       | 0323               | Senior Customer Services Representative/ Customer Service Rep III | L/T <sup>2</sup> | Senior Customer Services Representative/ Customer Service Representative III | REG          | 59           | 0.00                               |     |    |    |           |            | Provide permanent support for the Customer Assistance Program   |

**EXHIBIT "B1"**  
**FY2026**  
**POSITION ADDITIONS/DELETIONS/CONVERSIONS/REALLOCATIONS/FLEX STAFFING**  
**(July 1, 2025)**

**Customer and Community Services Department (continued)**

|     |            |                    |   |                |   |              |              | Representation Change <sup>1</sup> |     |    |    |           |            |   |
|-----|------------|--------------------|---|----------------|---|--------------|--------------|------------------------------------|-----|----|----|-----------|------------|---|
| ORG | FTE Change | Position Number(s) | From Classification                       | From Character | To Classification                         | To Character | Salary Range | 2019                               | 444 | 21 | 39 | MGR/ CONF | NRP/ EXMPT | Explanation   |
| 335 | 0.00       | 0328               | Customer Services Representative I/II/III | L/T            | Customer Services Representative I/II/III | L/T          | 55           | 0.00                               |     |    |    |           |            | Reauthorize one LT, scheduled to revert to temporary status, to continue to support single family liens as an alternative to shut-offs. |

**Finance**

|     |            |                    |                     |                      |                     |              |              | Representation Change <sup>1</sup> |      |    |    |           |            |   |
|-----|------------|--------------------|---------------------|----------------------|---------------------|--------------|--------------|------------------------------------|------|----|----|-----------|------------|---|
| ORG | FTE Change | Position Number(s) | From Classification | From Character       | To Classification   | To Character | Salary Range | 2019                               | 444  | 21 | 39 | MGR/ CONF | NRP/ EXMPT | Explanation   |
| 232 | 0.50       | 0581               | Storekeeper I/II    | TEMP/PT <sup>2</sup> | Storekeeper I/II    | REG          |              |                                    | 0.50 |    |    |           |            | Meet growing demand for warehouse products, especially pipe |
| 230 | (1.00)     | 1116               | Buyer I/II          | REG                  |                     |              |              | (1.00)                             |      |    |    |           |            | Position no longer needed                                   |
| 218 | 2.00       | TBD                |                     |                      | Data Scientist I/II | REG          |              |                                    |      |    |    | 2.00      |            | Improve data analytics                                      |

**Human Resources**

|     |            |                    |                     |                |                                |              |              | Representation Change <sup>1</sup> |     |    |    |           |            |   |
|-----|------------|--------------------|---------------------|----------------|--------------------------------|--------------|--------------|------------------------------------|-----|----|----|-----------|------------|---|
| ORG | FTE Change | Position Number(s) | From Classification | From Character | To Classification              | To Character | Salary Range | 2019                               | 444 | 21 | 39 | MGR/ CONF | NRP/ EXMPT | Explanation                                     |
| 368 | 2.00       | TBD                |                     |                | Senior Human Resources Analyst | REG          | 73           |                                    |     |    |    | 2.00      |            | Support improved approach to employee relations |

**EXHIBIT "B1"**  
**FY2026**  
**POSITION ADDITIONS/DELETIONS/CONVERSIONS/REALLOCATIONS/FLEX STAFFING**  
**(July 1, 2025)**

**Maintenance and Construction Department**

|     |            |  |                           |                |                           |              |              | Representation Change <sup>1</sup> |      |    |    |           |            |  |
|-----|------------|--|---------------------------|----------------|---------------------------|--------------|--------------|------------------------------------|------|----|----|-----------|------------|--|
| ORG | FTE Change | Position Number(s)                           | From Classification       | From Character | To Classification         | To Character | Salary Range | 2019                               | 444  | 21 | 39 | MGR/ CONF | NRP/ EXMPT | Explanation  |
| 753 | 0.00       | 0466<br>0522<br>0523<br>0524<br>0526<br>0527 | Meter Reader/<br>Mechanic | L/T            | Meter Reader/<br>Mechanic | L/T          | 54           |                                    | 0.00 |    |    |           |            | Reauthorize six LTs for meter reading and maintenance. Positions scheduled to revert to temporary status are reauthorized as limited term to record water consumption for billing accuracy |
| 755 | 1.00       | TBD  |                           |                | Paving Crew Foreman       | L/T          | 68           |                                    | 1.00 |    |    |           |            | Reduce the concrete paving backlog   |
| 755 | 1.00       | TBD  |                           |                | Concrete Finisher II      | L/T          | 58           |                                    | 1.00 |    |    |           |            | Reduce the concrete paving backlog   |

**Natural Resources Department**

|     |            |                    |                     |                |                            |              |              | Representation Change <sup>1</sup> |     |    |    |           |            |   |
|-----|------------|--------------------|---------------------|----------------|----------------------------|--------------|--------------|------------------------------------|-----|----|----|-----------|------------|---|
| ORG | FTE Change | Position Number(s) | From Classification | From Character | To Classification          | To Character | Salary Range | 2019                               | 444 | 21 | 39 | MGR/ CONF | NRP/ EXMPT | Explanation                               |
| 491 | 2.00       | TBD                |                     |                | Ranger/<br>Naturalist I/II | L/T          | 58           | 2.00                               |     |    |    |           |            | Reduce risk at upcountry recreation areas |

**EXHIBIT "B1"**  
**FY2026**  
**POSITION ADDITIONS/DELETIONS/CONVERSIONS/REALLOCATIONS/FLEX STAFFING**  
**(July 1, 2025)**

**Office of the General Manager**

|     |            |                    |                                    |                |                                   |              |              | Representation Change <sup>1</sup> |     |      |    |           |            |  |
|-----|------------|--------------------|------------------------------------|----------------|-----------------------------------|--------------|--------------|------------------------------------|-----|------|----|-----------|------------|--|
| ORG | FTE Change | Position Number(s) | From Classification                | From Character | To Classification                 | To Character | Salary Range | 2019                               | 444 | 21   | 39 | MGR/ CONF | NRP/ EXMPT | Explanation  |
| 116 | 1.00       | TBD<br>TBD         |                                    |                | Outreach and Education Specialist | P/T          |              |                                    |     | 1.00 |    |           |            | Enhance school field trips and community education   |
| 144 | 0.50       | 3261               | Ranger/ Naturalist I               | P/T            | Ranger/ Naturalist I              | L/T          | 52           | 0.50                               |     |      |    |           |            | Provide improved workforce development opportunities |
| 144 | (1.00)     | 1202<br>1203       | Information Technology Intern I/II | TEMP/ P/T      |                                   |              | 46           | (1.00)                             |     |      |    |           |            | Positions no longer needed                           |
| 144 | (0.50)     | 3262               | Ranger/ Naturalist I               | P/T            |                                   |              | 52           | (0.50)                             |     |      |    |           |            | Replaced with L/T position                           |

**Operations and Maintenance Support**

|     |            |                    |                     |                |  |              |              | Representation Change <sup>1</sup> |     |    |    |           |            |  |
|-----|------------|--------------------|---------------------|----------------|--|--------------|--------------|------------------------------------|-----|----|----|-----------|------------|--|
| ORG | FTE Change | Position Number(s) | From Classification | From Character | To Classification                        | To Character | Salary Range | 2019                               | 444 | 21 | 39 | MGR/ CONF | NRP/ EXMPT | Explanation  |
| 792 | 2.00       | TBD<br>TBD         |                     |                | Information Systems Support Analyst I/II | T/C          | 70           | 2.00                               |     |    |    |           |            | Support work management software replacement project |

**EXHIBIT "B1"**  
**FY2026**  
**POSITION ADDITIONS/DELETIONS/CONVERSIONS/REALLOCATIONS/FLEX STAFFING**  
**(July 1, 2025)**

**Wastewater Department**

|     |            |                    |                                    |                  |                                 |              |              | Representation Change <sup>1</sup> |      |    |    |           |            | Explanation                             |
|-----|------------|--------------------|------------------------------------|------------------|---------------------------------|--------------|--------------|------------------------------------|------|----|----|-----------|------------|---|
| ORG | FTE Change | Position Number(s) | From Classification                | From Character   | To Classification               | To Character | Salary Range | 2019                               | 444  | 21 | 39 | MGR/ CONF | NRP/ EXMPT |   |
| 904 | 1.00       | TBD                |                                    |                  | L/T Technical Trades Apprentice | L/T          | 44A          |                                    | 1.00 |    |    |           |            | Increase opportunities in the trades    |
| 911 | 1.00       | TBD                |                                    |                  | Electrical Technician           | REG          | 74           |                                    | 1.00 |    |    |           |            | Complete critical electrical projects   |
| 927 | 0.00       | 1230<br>1231       | Associate Civil Engineer           | T/C <sup>2</sup> | Associate Civil Engineer        | REG          | 76           | 0.00                               |      |    |    |           |            | Support baseline growth in capital plan |
| 911 | 0.00       | 1232               | Associate Civil Engineer           | T/C <sup>2</sup> | Associate Civil Engineer        | REG          | 76           | 0.00                               |      |    |    |           |            | Support baseline growth in capital plan |
| 942 | (1.00)     | 1227               | Wastewater Control In-spector I/II | L/T              |                                 |              |              | (1.00)                             |      |    |    |           |            | Position no longer needed               |

| District-wide Representation Change   |  |  |  |  |  |  |  | 2019 | 444 | 21   | 39   | MGR/ CONF | NRP/ EXMPT |
|---------------------------------------|--|--|--|--|--|--|--|------|-----|------|------|-----------|------------|
| Total FY2026 Representation (NET FTE) |  |  |  |  |  |  |  | 1.50 | 4.5 | 1.00 | 0.00 | 4.00      | (0.50)     |

**Notes to Exhibit B:**

1. "0.00" in the Representation Change column indicates no net change in FTE count.
2. Character type will be extended until transitioned to new character type.



**EXHIBIT "B2"**  
**FY2027**  
**POSITION ADDITIONS/DELETIONS/CONVERSIONS/REALLOCATIONS/FLEX STAFFING**  
**(July 1, 2026)**

**Maintenance and Construction Department**

|     |            |                    |                     |                |                   |              |              | Representation Change <sup>1</sup> |      |    |    |           |            |  |
|-----|------------|--------------------|---------------------|----------------|-------------------|--------------|--------------|------------------------------------|------|----|----|-----------|------------|--|
| ORG | FTE Change | Position Number(s) | From Classification | From Character | To Classification | To Character | Salary Range | 2019                               | 444  | 21 | 39 | MGR/ CONF | NRP/ EXMPT | Explanation  |
| 746 | 2.00       | TBD                |                     |                | Utility Laborer   | L/T          | 51           |                                    | 2.00 |    |    |           |            | Reduce FM&O for saw cutting as pipeline mileage goal increases |

| District-wide Representation Change   |  |  |  |  |  |  |  | 2019 | 444  | 21   | 39   | MGR/ CONF | NRP/ EXMPT |
|---------------------------------------|--|--|--|--|--|--|--|------|------|------|------|-----------|------------|
| Total FY2027 Representation (NET FTE) |  |  |  |  |  |  |  | 0.00 | 2.00 | 0.00 | 0.00 | 0.00      | 0.00       |

**Notes to Exhibit B:**

1. "0.00" in the Representation Change column indicates no net change in FTE count.
2. Character type will be extended until transitioned to new character type.

**EXHIBIT “C”  
FY2026  
CLASSIFICATION PLAN CHANGES  
(July 1, 2025)**

**CLASSIFICATION ADDITIONS**

| <b>Class Code</b> | <b>Class Title</b>                | <b>Monthly Salary Range</b> | <b>Rep. Unit</b> | <b>Explanation</b>                                 |
|-------------------|-----------------------------------|-----------------------------|------------------|--|
| TBD               | Outreach and Education Specialist | R60 \$8,752 - \$10,133      | 21               | Enhance school field trips and community education |
| TBD               | Data Scientist I                  | R67 \$9,913 - \$12,049      | CNF              | Improve data analytics                             |
| TBD               | Data Scientist II                 | R75 \$12,680 - \$14,679     | CNF              | Improve data analytics                             |

**CLASSIFICATION DELETIONS**

| <b>Class Code</b> | <b>Class Title</b>       | <b>Monthly Salary Range</b> | <b>Rep. Unit</b> | <b>Explanation</b>   |
|-------------------|--------------------------|-----------------------------|------------------|--|
| 2580              | Equipment Superintendent | R76 \$13,002 - \$15,052     | 21               | Redundant with Assistant Construction & Maintenance Superintendent |
| 5634              | Senior Legal Secretary   | R63 \$9,436 - \$10,923      | CNF              | Redundant with Paralegal and Litigation Assistant                  |