



*East Bay Municipal Utility District
Oakland, California*

Biennial Report and Recommendation of The General Manager Fiscal Years 2020 & 2021

*Revisions to the Water and
Wastewater System
Schedule of Rates and
Charges, Capacity Charges,
and Other Fees*

East Bay Municipal Utility District
Biennial Report and
Recommendation of the
General Manager
Fiscal Years 2020 and 2021

Revisions to the Water and Wastewater System
Schedule of Rates and Charges, Capacity Charges,
and Other Fees

*Presented to the Board of Directors
by Alexander R. Coate, General Manager on
May 14, 2019*

East Bay Municipal Utility District

TABLE OF CONTENTS

**Biennial Report and Recommendation of the General Manager
Fiscal Years 2020 and 2021
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Schedule of Rates and Charges,
Capacity Charges, and Other Fees**

Chapter-Page

GENERAL MANAGER’S MEMORANDUM

CHAPTER 1 – WATER SYSTEM RATES, CHARGES AND FEES

Introduction	1-1
Recommendations.....	1-1
Discussion.....	1-2
Water System Rates and Charges.....	1-2
Water System Cost of Service Study and Proposed FY20 & FY21 Rates and Charges	1-5
Drought Surcharges.....	1-9
Recommended Revisions to Other Water System Fees and Charges Not Subject to Proposition 218.....	1-9
Schedule B – Account Establishment Charge.....	1-10
Schedule C – Charges for Special Services.....	1-10
Schedule D – Water Service Installation Charges.....	1-12
Schedule E – Private Fire Service Installation Charges	1-13
Schedule F – Public Fire Hydrant Installation Charges	1-13
Schedule G – Water Main Extension Charges	1-13
Public Records Act Fee Schedule.....	1-14
Real Property Use Application Fees	1-14
Recreation Use Fees	1-14
Camanche Hills Hunting Preserve	1-15
Camanche North and South Recreation Areas	1-15
Pardee Recreation Area.....	1-16
Lafayette Recreation Area	1-16
San Pablo Recreation Area.....	1-16
Watershed Trails.....	1-16
Water Service Regulations	1-16
Section 12 – Non-registering & Unreadable Meters & Meter Protection	1-17
Exhibit 1 – Comparative Residential Water Charges – 8 Ccf/mo	1-18

CHAPTER 2 – WATER SYSTEM CAPACITY CHARGES/WATER DEMAND
MITIGATION FEES

Introduction	2-1
Recommendations.....	2-1
Discussion.....	2-2
Clarification of SCC for Non-Residential Connections for Meter Sizes 1-1/2 Inches and Under.....	2-2

East Bay Municipal Utility District

TABLE OF CONTENTS

Chapter-Page

CHAPTER 3 – WASTEWATER SYSTEM RATES, CHARGES AND FEES	
Introduction	3-1
Recommendations.....	3-1
Discussion.....	3-3
Wastewater Treatment Charges and Wet Weather Facilities Charge.....	3-3
Wastewater System Cost of Service Study and FY20 and FY21 Proposed Charges	3-4
Wastewater Pollution Prevention Programs and Pretreatment Fees	3-10
Pretreatment Program	3-12
Private Sewer Lateral Compliance Fees	3-13
Laboratory Testing Charges	3-16
Resource Recovery Program.....	3-16
Wastewater Interceptor Connection Review and Inspection Fee	3-16
Exhibit 1 – Comparative Residential Wastewater Charges	3-18
CHAPTER 4 – WASTEWATER CAPACITY FEES	
Introduction	4-1
Recommendations.....	4-1
Discussion.....	4-1
CHAPTER 5a – RECOMMENDED SCHEDULES OF RATES, CHARGES AND FEES	
FY20 Water System	
Schedule A – Rate Schedule for Water Service	
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 J – System Capacity Charge	
Schedule L – Drought Surcharge Rate Schedule for Water Service	
Public Records Act Fee Schedule and District Publications Fees	
Real Property Use Application Fees	
Recreation Use Fees for Calendar Years 2020 and 2021	
Regulations Section 12 – Non-registering and Unreadable Meters and Meter Protection	
FY20 Wastewater System	
Schedule A – Rates for Treatment Service	
Schedule B – Wet Weather Facilities Charge	
Schedule C – Industrial Permit Fees	
Schedule D – Other Fees	
Schedule E – Testing Fees	
Schedule F – Rates for Resource Recovery Material Treatment	
Schedule G – Capacity Fees	
Schedule H – Wastewater Interceptor Connection Review, Coordination and Inspection Fee	

East Bay Municipal Utility District

TABLE OF CONTENTS

CHAPTER 5b – RECOMMENDED SCHEDULES OF RATES, CHARGES AND FEES

FY21 Water System

Schedule A – Rate Schedule for Water Service

FY21 Wastewater System

Schedule A – Rates for Treatment Service

Schedule B – Wet Weather Facilities Charge

Schedule C – Industrial Permit Fees

Schedule D – Other Fees

CHAPTER 6 – APPENDIX

Appendix A – Fiscal Years 2020 and 2021 Update to: East Bay Municipal Utility District Water and Wastewater Cost of Service Study

EAST BAY MUNICIPAL UTILITY DISTRICT

DATE: May 9, 2019

MEMO TO: Board of Directors

FROM: Alexander R. Coate, General Manager *ARC*

SUBJECT: Biennial Report and Recommendation of the General Manager Fiscal Years 2020 & 2021 Revisions to the Water and Wastewater System Schedule of Rates and Charges, Capacity Charges and Other Fees

Every two years, the District develops a report with recommendations on revisions to the District's rates and charges for the water and wastewater systems that are subject to California Constitution Article XIII D, Section 6 (commonly known as Proposition 218). The District's proposed Fiscal Years 2020 and 2021 (FY20 and FY21) water and wastewater system charges subject to Proposition 218 were presented to the Board along with the proposed FY20 and FY21 operating and capital budgets at the March 26, 2019 Budget Workshop No. 2. At that workshop, the Board also received a draft copy of the Proposition 218 notice which, among other items, provides information about the public hearing on the proposed revisions to the District's water and wastewater system charges. The public hearing is scheduled for June 11, 2019.

The attached report summarizes all proposed changes to rates and charges subject to Proposition 218 and other fees and charges not subject to Proposition 218. The proposed charges are designed to meet Board policy goals and recover costs identified in the proposed FY20 and FY21 operating and capital budgets. In preparation for the FY20 and FY21 budget and rates determination, two Board workshops were held this year (on January 22 and March 26) to discuss details of the proposed budget, including staffing, capital projects, water sales projections and rate sensitivities.

To determine the appropriate rates needed to support the costs identified in the FY20 and FY21 budgets, the District hired an independent rate consultant in 2015 and 2019 to perform cost of service (COS) studies for its water and wastewater systems. The COS studies ensure charges are appropriately and equitably established, in compliance with California law including Proposition 218. The proposed FY20 and FY21 rates incorporate the results of the COS studies as well as the increased revenue required to address proposed FY20 and FY21 expenditures.

Recommended changes to rates, charges and fees for the water system are:

Water System Rates and Charges:

- Increase water charges (service, flow, elevation, and private fire service) 6.5 percent overall for FY20 and an additional 6.25 percent overall for FY21. These increases support the proposed FY20 and FY21 operating and capital expenses.
- Maintain the staged system of Drought Surcharges developed in the District's COS study as a contingency plan in the event of a water shortage. The Drought Surcharge percentage is

imposed on the potable Water Flow Charge when the Board declares a drought Stage 2, 3, or 4.

Other Water Fees and Charges:

- Implement proposed changes to Schedule B – Account Establishment Charge and Schedule C – Charges for Special Services. The changes increase each charge in these schedules to reflect current costs.
- 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 changes increase each charge in these schedules to reflect current costs and the second year of a three year phased-in increase approved by the Board in 2018.
- Modify Schedule J – System Capacity Charge (SCC) to clarify when the standard SCC rate tables can be used for non-residential service connections for meters less than 2 inches. Maintain the current rates in Schedule J.
- Update the Real Property Use Application Fees, Recreation Use Fees and Public Records Act Fee Schedules for specific fee changes.
- Modify Water Service Regulations Section 12 – Non-registering and Unreadable Meters and Meter Protection to update and clarify District service regulations.

The proposed increases to rates and charges for the water system in FY20 and FY21 are lower than the projections made in FY17 when the FY18 and FY19 biennial budget was adopted. At that time, it was projected that water system charges in FY20 and FY21 would need to increase by 7.0 percent each year. The proposed water system charges are lower than originally projected due to two factors: actual revenues in FY18 and projected revenues for FY19 exceed budgeted amounts, which reduced the amount of debt issued to fund the capital program; and projected increases in non-rate revenues in FY20 and FY21.

District revenues depend on water usage. The proposed charges are based on the assumption that water consumption will be 141 million gallons per day (MGD) in FY20 and 143 MGD in FY21. This is about two percent lower than the water consumption projected for FY20 and FY21 at the time the FY18 and FY19 biennial budget was adopted. Despite the end of the recent drought and lifting of water restrictions, the District expects customers to maintain many of their conservation habits.

Following the most recent drought, the average residential water user now consumes 8 hundred cubic feet (CCF) per month (about 200 gallons per day) as compared to 10 CCF in FY13 and 12 CCF in FY07. The average 8 CCF residential user will see an increase of \$3.62 per month (6.5 percent) in FY20 from \$56.12 to \$59.74 and an increase of \$3.73 per month (6.2 percent) in FY21 from \$59.74 to \$63.47. The overall impact to individual customers will vary depending on their actual water consumption.

As part of long-term financial stability efforts, the District developed a staged system of Drought Surcharges to recover water shortage-related costs, which was implemented during the Stage 4 Drought in FY16. Under this staged system, the Drought Surcharge rises as the severity of the water shortage increases (i.e., Stage 1 – 0 percent; Stage 2 – up to 8 percent; Stage 3 – up to 20 percent; Stage 4 – up to 25 percent on the Water Flow Charge). The District does not anticipate a water shortage in FY20 or FY21 as a result of the high levels of water currently in storage from recent storms and reduced customer demand. However, the Drought Surcharge percentages that were developed in the 2015 COS study and adopted and implemented for FY16 will remain in effect as a contingency plan in the event of a water shortage. If a water shortage occurs, the District will update the drought-related costs and develop and adopt Drought Surcharges based on the updated COS study. Any Drought Surcharges imposed will be consistent with the existing staged system.

Recommended changes to rates, charges and fees for the wastewater system are:

Wastewater Treatment Charges and Wet Weather Facilities Charge:

- Modify the wastewater system charges for FY20 to include the 2019 Wastewater COS study adjustments, which result in some wastewater rates and charges decreasing and others increasing.
- Increase the proposed rates for FY20 wastewater system charges an additional 4.0 percent for FY21. The FY20 and FY21 wastewater rate increases support the District's proposed FY20 and FY21 operating and capital expenses and meet Board policy goals.

Other Wastewater Fees and Charges:

- Implement increases to the Wastewater Discharge Permit and Estimation Permit Fees in Schedule C – Wastewater Department Industrial Permit Fees, Monitoring Fee, Violations Fees and Private Sewer Lateral Compliance Fees in Schedule D – Wastewater Department Other Fees to reflect actual costs.
- Update the Laboratory Test Charges in Schedule E – Wastewater Department Testing Fees to reflect actual costs.
- Change the FY20 fees and rates for the Resource Recovery Material Treatment in Schedule F – Wastewater Department Rates for Resource Recovery Material Treatment to better manage the flow of trucked waste deliveries to the treatment plant.
- Update the FY20 fees in Schedule G – Wastewater Department Capacity Fees to reflect the recommendations from the 2019 Wastewater Capacity Fee study.
- Increase the FY20 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 actual costs.

The proposed wastewater system increases are consistent with the projections made in FY17, when the FY18 and FY19 biennial budget was adopted. At that time, it was projected that wastewater system charges in FY20 and FY21 would need to increase by 4.0 percent and 4.0 percent, respectively. The wastewater system rates and charges increases for FY20 and FY21 are consistent with the levels projected for these years, largely as a result of operating cost savings and debt savings from using more cash funding and less debt financing of capital expenditures.

With the proposed FY20 and FY21 changes to the wastewater system charges, revenue collected from all wastewater system charges would increase by 4.0 percent in FY20 and an additional 4.0 percent in FY21. The impact of the proposed changes to the FY20 and FY21 wastewater system charges on customer bills will depend on the type of customer and the volume of wastewater discharge.

For the typical single-family residential homeowner who pays both the wastewater treatment charges collected on the water bill and the Wet Weather Facilities Charge collected on the property tax bill, the total proposed increase for wastewater system charges is 2.7 percent for FY20 and 4.0 percent for FY21. The changes to the FY20 wastewater service charges result in an increase of \$0.20 per month from \$21.95 to \$22.15 (0.9 percent) on the monthly wastewater charge collected on the water bill for the average residential customer. For FY21, the bill would increase \$0.87 per month from \$22.15 to \$23.02 (3.9 percent). However, the overall impact to individual customers will vary depending on their actual water consumption. The wastewater service charges collected on the water bill include the San Francisco Bay Pollution Prevention monthly fee, which remains at \$0.20 per month for FY20 and FY21 for residential customers.

In addition to the wastewater charges collected on the water bill, wastewater customers also pay a Wet Weather Facilities Charge via their property tax bill that varies with individual lot size. As a result of the 2019 Wastewater COS study adjustment, the annual Wet Weather Facilities Charge is proposed to increase 7.2 percent to \$111.24 in FY20, and 4.0 percent increase to \$115.70 in FY21 for the typical residential customer.

In compliance with Proposition 218, which established specific rules for implementing new or adjusting existing rates, the District will hold a public hearing on June 11, 2019 to consider the adoption of the charges. The Proposition 218 notice for the June 11, 2019 public hearing was sent by mail to the record owners of parcels upon which the proposed charges will be imposed and tenants directly responsible for the payment of the proposed charges (i.e., "customers" who are not property owners) at least 45 days prior to the scheduled public hearing.

Any owner of record and any customer directly liable to the District for water and/or wastewater charges may submit a written protest to the proposed increased water and wastewater system charges; however, only one written protest will be counted per identified parcel. Each protest must: (1) be in writing; (2) state the identified property owner or customer is in opposition to the proposed increases to the rates and charges for water, wastewater, or both; (3) provide the location of the identified parcel by assessor's parcel number or street address; and (4) include the original signature of the property owner or customer submitting the protest. Written protests against the proposed increases may be personally delivered to the District, submitted at the hearing, or mailed to the District. Protests submitted by fax, email, or other electronic means, will not be counted. To be

tabulated, however, any written notice must be received by the District prior to the close of the public hearing. If a majority of the affected parcel owners or customers submit written protests, the proposed increases may not be imposed.

The Proposition 218 notice for the June 11, 2019 public hearing on the proposed increases was mailed to all parcel owners and customers by April 26, 2019 in compliance with Proposition 218 requirements.

The proposed rates and charges for the water and wastewater systems are recommended to be effective on bills issued on or after July 1, 2019 for FY20, and on or after July 1, 2020 for FY21. The customer billing system will prorate bills for water and wastewater rate increases that occur during the billing cycle. All other proposed changes to the other fees and charges for the water and wastewater systems including the changes to the Public Records Act Fees and Real Property Use Application Fees will be effective July 1, 2019. The proposed changes to the Recreation Use Fees are effective January 1, 2020 for the 2020 increases and January 1, 2021 for the 2021 increases to coincide with the recreation season.

ARC:RL:rl

**1. Water System Rates,
Charges and Fees**

Chapter 1 – Water System Rates, Charges and Fees

INTRODUCTION

The District updates the water system's rates, charges, and fees biennially in conjunction with the development of its biennial budget. The charges are designed to recover costs identified in the proposed operating and capital budgets and to meet Board policy goals. The District's water system rates and charges include a Water Service Charge, which is a fixed charge to the ratepayer that does not change regardless of water use, and a Water Flow Charge, which is a variable charge that rises and falls depending upon the level of water used (also known as a consumption or volumetric charge). In addition to the Water Service Charge and the Water Flow Charge, the District's water system rates and charges levied under specified circumstances include a water Elevation Surcharge, a Private Fire Service Charge, and Nonpotable/Recycled water charges, as well as a system of Drought Surcharges. The District completed a cost of service (COS) study in FY15 to ensure that all of the District's rates and charges for the water system are appropriately and equitably established, and consistent with California law including Proposition 218. The proposed overall increase to the water system's rates and charges is 6.5 percent for FY20 and 6.25 percent for FY21; however, the overall impact to individual customers will vary depending on their actual water consumption. Illustrations of the varying impacts are presented below for FY20 and FY21.

Details of the COS analysis and the FY20 and FY21 calculations are contained in the District's April 2015 COS study and the updated COS analysis for FY20 and FY21 (see Appendix A). They are also addressed in the General Manager's March 21, 2019 memorandum to the Board which discusses the proposed FY20 and FY21 water system rates and charges that are subject to Proposition 218.

The District is not currently experiencing a water shortage and does not anticipate a water shortage in FY20 or FY21 as a result of the high levels of water currently in storage due to recent storms and reduced customer demand. A water shortage could occur from declared drought or other situations where the District's available water supply is limited or restricted. However, the Drought Surcharge percentages that were developed in the 2015 COS study and adopted for FY16 and FY17 will remain available as a contingency plan in the unanticipated event of a water shortage. If a water shortage occurs, the proposed rate structure for the water system rates and charges will allow the District to update its drought related costs and develop and implement Drought Surcharges based on the updated COS study. Any Drought Surcharges that are imposed will be consistent with the FY16 staged system of Drought Surcharges and will not exceed the Drought Surcharge percentages from FY16, as set forth in the notice of public hearing.

The proposed rates and charges for the water system will be effective on bills issued on or after July 1, 2019 for FY20, and on or after July 1, 2020 for FY21.

RECOMMENDATIONS

The recommendations in this section cover the rates and charges for the water system, including the Water Service Charge, Water Flow Charge (consumption), Drought Surcharges, Elevation

Surcharge, Private Fire Service Charge and fees and charges related to the installation of water and private fire service and other ancillary charges.

Recommended changes to rates, charges, fees, and water service regulation for the water system are:

Water System Rates and Charges Subject to Proposition 218:

- Increase water charges (service, flow, elevation and private fire service charges) set forth in Schedule A – Rate Schedule for Water Service by 6.5 percent for FY20 and an additional 6.25 percent for FY21. These increases support the projected FY20 and FY21 operating and capital expenditures.
- Adopt the FY20 and FY21 water system rates and charges as shown in Water System Schedule A – Rate Schedule for Water Service (see Chapter 5).
- Retain Drought Surcharges set forth in Schedule L – Drought Surcharge Rate Schedule for Water Service from FY16 and FY17 in the event of an unanticipated event or water shortage in FY20 or FY21.

Water Fees, Charges and Service Regulations Not Subject to Proposition 218:

- Implement proposed changes to Water System Schedule B – Account Establishment Charge and Schedule C – Charges for Special Services. The changes would increase each charge in these schedules to reflect current costs.
- 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 changes would increase each charge in these schedules to reflect current costs and the second year of a three year phased-in increase approved by the Board in 2018.
- Update specified components of the Real Property Use Application Fees, Recreation Use Fees and Public Records Act Fee Schedules to reflect current costs.
- Modify Water Service Regulations Section 12 – Non-registering and Unreadable Meters and Meter Protection to update and clarify District water service regulations.

DISCUSSION

Water System Rates and Charges

Increase rates and charges for the water system by 6.5 percent in FY20 and 6.25 percent in FY21.

The purpose of the rates and charges for the water system is to recover costs in the District's operating and capital budgets for the water system and to meet the Board's policy goals. The proposed increases address the District's needs as presented in its proposed biennial budget for

FY20 and FY21. Details of the proposed increases to the individual components of the water system rates and charges are shown below under **Water System Cost of Service and FY20 and FY21 Proposed Charges**. Details of the FY20 and FY21 budget objectives, operating budget, capital expenses, and debt expenses are available in the FY20 and FY21 Proposed Biennial Budget and Capital Project Summaries.

The proposed increases in water system rates and charges set forth in Schedule A – Rate Schedule for Water Service for FY20 and FY21 are lower than the projections made in FY17, when the FY18 and FY19 biennial budget was adopted. At that time, it was projected that water system rates and charges in FY20 and FY21 would need to increase by 7.0 percent each year. The proposed water system rates and charges are lower than originally projected two years ago due to actual revenues in FY18 and projected revenues for FY19 exceeding budgeted amounts, which reduced the amount of debt issued to fund the capital program, and projected higher non-rate revenues in FY20 and FY21.

District revenues are in large part dependent upon water usage which is projected to be about the same as the prior projections for water usage in FY19. The proposed charges are based on the assumption that water consumption will be 141 million gallons per day (MGD) in FY20 and 143 MGD in FY21. This is about two percent lower than the water consumption that had been projected for FY20 and FY21 at the time the FY18 and FY19 biennial budget was adopted. Despite the fact that the recent drought has ended and water use restrictions have been lifted, it is projected that customers will maintain many of their conservation habits.

Based on projected water consumption, rates and charges for the water system need to increase by 6.5 percent in FY20 and an additional 6.25 percent in FY21 to cover the expenditures identified in the proposed FY20 and FY21 operating and capital budgets, and to meet Board policy goals. Table 1 below illustrates the amount of revenue needed from the FY20 and FY21 increases in water system rates and charges to fund FY20 and FY21 expenditures. Between FY19 and FY21, operation and maintenance (O&M), debt service, and capital expenses are budgeted to increase to varying degrees. In total, expenses in FY20 are projected to be \$918.6 million, which is 18.9 percent higher than FY19. The District can access a variety of non-water system revenues, such as property taxes, lease revenues, water system reserves, and bond proceeds to pay for O&M and capital expenses. These revenues are projected to cover \$336.1 million of expenditures in FY21, leaving \$582.5 million to be paid for from revenues from the rates and charges of the water system. FY19 water system rates and charges are projected to generate \$516.7 million of the necessary \$582.5 million, leaving \$65.8 million, or 12.75 percent, of incremental expenditures to be addressed from increases in water system rates and charges. This 12.75 percent increase is proposed to be distributed over two years, with a 6.5 percent increase in FY20 and a 6.25 percent increase in FY21.

Table 1 - Revenue Shortfalls (In Million\$) Addressed Through Rate Increase

	FY19	FY21	2-Yr Δ
Revenue Requirement			
+ O&M expense	\$292.5	\$315.4	7.8%
+ Debt service expense	210.0	217.7	3.7%
+ Capital expense	269.8	385.5	42.9%
Total expenses =	772.3	918.6	18.9%
- Other revenues	-264.8	-336.1	26.9%
Revenue requirement =	\$507.5	\$582.5	14.8%
Revenue Adjustment			
+ Revenue requirement		\$582.5	
- Revenue from existing rates		-516.7	
Difference =		\$65.8	
Total Rate Revenue Requirement Adjustment		12.75%	

The details of the FY20 and FY21 budget objectives, operating budget, capital expenses, and debt expenses are contained in the FY20 and FY21 Proposed Biennial Budget and Capital Project Summaries. The proposed operating and capital budgets, combined with the decreased water consumption projections, contribute to the increased FY20 and FY21 water system's rates and charges in roughly the following proportions:

- Operations – additional funded positions, increases in labor and benefits, and increases in non-labor expenses drive approximately 35 percent of the additional revenue required in FY20 and FY21.
- Capital – increases in rate-funded capital and debt service drive approximately 65 percent of the additional revenue required in FY20 and FY21.

Retain the Drought Surcharge percentages calculated in the COS and implemented in FY16 as a contingency in the unlikely event of a water shortage in FY20 or FY21.

As part of long-term financial stability efforts, the District developed a staged system of Drought Surcharges to recover water shortage related costs, including without limitation reduced revenues due to mandatory conservation, increased rates for purchased water, administrative costs, and penalties or fines for consumption of water over state-mandated limits. Under this staged system of Drought Surcharges, the Drought Surcharge rises as the severity of the water shortage increases. The District does not anticipate a water shortage in FY20 or FY21 as a result of the high levels of water currently in storage due to recent storms and reduced customer demand. However, the Drought Surcharge percentages that were developed in the 2015 COS study and adopted and

implemented for FY16 will remain available as a contingency plan in the unanticipated event of a water shortage.

In its 2015 COS study, the District developed a detailed COS analysis to calculate the Drought Surcharges for the District's drought stages. The 2015 COS study calculated Drought Surcharges that would address the financial aspects of a limited or restricted water supply situation for each drought stage. The revenue requirement for each drought stage was developed and a Drought Surcharge was calculated to recover the revenue requirement based on the decreased water sales, costs of supplemental supply and increased customer service related costs during a drought. The District's COS study calculated Drought Surcharge percentages of up to 8 percent, 20 percent and 25 percent to be assessed on the potable Water Flow Charge in each billing period during Drought Stages 2, 3 and 4, respectively. In the FY16 and FY17 budget, the Board adopted the staged system of Drought Surcharges to recover water shortage-related costs. After declaring a Stage 4 drought, the District implemented a 25 percent Drought Surcharge on the potable Water Flow Charge for FY16 water bills. After the Board declared an end to the shortage emergency, the 25 percent Drought Surcharge was terminated at the start of FY17.

The District does not anticipate a water shortage in FY20 or FY21; however, the Drought Surcharge percentages that were developed in the 2015 COS study and adopted for FY16 and FY17 will continue to be available as a contingency plan in the unanticipated event of a drought, water shortage emergency, or state mandated reductions in potable water use. The District's Drought Surcharges are set forth in Schedule L – Drought Surcharge Rate Schedule for Water Service (see Chapter 5). Prior to implementing Drought Surcharges, the District will update drought related costs and develop and adopt surcharges consistent with the COS study and will not exceed the Drought Surcharge percentages listed in Schedule L. The District's Proposition 218 notice for FY20 and FY21 includes information regarding these surcharges so that they remain available to the Board to implement in the event the District is in a drought, water shortage or other situations requiring reductions in water use by its customers.

Water System Cost of Service Study and Proposed FY20 and FY21 Rates and Charges

State law and District policy require that the District's rates and charges be based on COS and that they be proportional to the cost of providing service on a parcel basis. A COS study allocates operating and capital costs to customer classes based both on customer class usage characteristics and on facility design and operations. This nexus between usage and cost forms the financial and legal basis for setting utility rates and charges. Over time, both customer usage characteristics and costs can change and a COS study helps reconcile these changes with revenues under existing rates and charges. COS studies often result in recommended modifications to existing rates and charges.

The District retained Raftelis Financial Consultants (RFC) to perform COS studies for the water and wastewater systems' rates and charges, including a study of the proposed drought rate structure. The RFC study was completed in FY15 and indicated that the District's water system rates and charges are consistent with Proposition 218's cost of service requirements. The RFC study also recommended certain adjustments to the rates and charges, which have been incorporated into the proposed FY20 and FY21 water system rates and charges. For FY20 and FY21, the District updated the original COS study for the proposed and projected FY20 and FY21 expenditures, revenues, and water sales (see Appendix A). The adjustments ensure the rates and charges for the

water system represent the District's current costs of providing water service, and allocate such costs proportionally to customers.

Based on the rate models from the District's COS studies, water system rates and charges have five customer classes: single family residential, multi-family residential, all other (including non-residential, commercial, and industrial), private fire service, and nonpotable/recycled. Together, the rates and charges of the water system are structured to proportionately recover the costs of providing water service among the various customer classes. The District's rates and charges for the water system have five components: a Water Flow Charge, a Water Service Charge, an Elevation Surcharge, a Private Fire Service Charge, and a Drought Surcharge.

The Water Flow Charge is charged to all customers based on customer class, and recovers a portion of the District's fixed costs as well as the variable costs associated with provision of water. The Water Flow Charge is imposed per unit of water consumed per month, with each unit of water equaling 748 gallons. The Water Service Charge is a fixed charge upon all water customers, based on the size of the meter serving the property, and recovers the remaining portion of the District's fixed costs. The Elevation Surcharge applies only to properties within designated geographic pressure zones, and recovers the increased costs of pumping water to such areas. The Private Fire Service Charge applies only to properties with a private fire service connection, and is charged based on the size of the private fire connection serving the property to pay for the costs of maintaining adequate water pressure to serve the private fire service connection. Finally, the Drought Surcharge is only imposed upon the Board's declaration of a Stage 2, 3, or 4 drought, and recovers the increased costs associated with providing water under water shortage conditions.

Proposed FY20 and FY21 Water System Rates and Charges Subject to Proposition 218

Overall, the rates and charges for the water system are proposed to increase by 6.5 percent in FY20 and an additional 6.25 percent in FY21. Individual charges are rounded to the nearest whole cent after the increases are applied to the current charges. The impact on a customer's water bill of the proposed increases will differ slightly for each customer class and for individual customers within each customer class depending on water use and meter size. Tables 2 through 6 illustrate the impact of the proposed increases on specific charges for various categories of users. All these tables incorporate the proposed increases consistent with the COS study.

Table 2 illustrates the rates for various single family residential customers in FY19, FY20 and FY21 at varying levels of usage. The bottom row of the table shows the impact of the increases on the average single family residential customer. Note that the average customer is now using about 8 CCF per month, down from the previous historic average use of 10 CCF per month. The monthly water bill for FY19 based on the average use for single family residential customers is \$56.12 and would rise to \$59.74 in FY20, an increase of \$3.62 or 6.5 percent. In FY21 the monthly water bill would rise to \$63.47, an additional increase of \$3.73 or 6.2 percent.

The table shows the water bill impact from the proposed increases based on differing levels of usage. The user in the 25th percentile is among the lowest user of water at 4 CCF per month; only 25 percent of ratepayers use less. Users in the 50th percentile are the median users at 6 CCF of water; half of ratepayers use more and half use less. Ratepayers in the 75th percentile use 10 CCF of water per month; three quarters of ratepayers use less. Finally, ratepayers in the 95th percentile use 24 CCF per month; 95 percent of ratepayers use less. Monthly bills in FY20 for the range of

usage shown below range from \$42.23 to \$161.98 and reflect a 6.5 percent increase from the corresponding monthly bill in FY19. Monthly bills in FY21 range from \$44.87 to \$172.03 and reflect an increase of 6.25 percent over FY20 monthly bills. **Exhibit 1** shows a comparison of the proposed FY20 annual water bill for a typical EBMUD single family residential customer using 8 CCF per month with the water bill for other local water agencies.

Table 2 - Single Family Residential Customer Monthly Water Bill Impacts – Including Proposed Water Service and Flow Charges

Single Family Residential Water Charges on Water Bill								
	Use (CCF)	FY19 Bill	FY20 Bill	Increase from FY19	Percent Change	FY21 Bill	Increase from FY20	Percent Change
25 th Percentile	4	\$39.67	\$42.23	\$2.56	6.5%	\$44.87	\$2.64	6.3%
50 th Percentile (median use)	6	\$47.19	\$50.23	\$3.04	6.4%	\$53.37	\$3.14	6.3%
75 th Percentile	10	\$66.46	\$70.76	\$4.30	6.5%	\$75.17	\$4.41	6.2%
95 th Percentile	24	\$152.12	\$161.98	\$9.86	6.5%	\$172.03	\$10.05	6.2%
Average Single Family Residential Use*	8	\$56.12	\$59.74	\$3.62	6.5%	\$63.47	\$3.73	6.2%

*8 CCF/moth represents recent average single family residential use. Previous comparisons used 10 CCF/mo, which represented historic average single family residential use prior to recent drought conditions.

Table 3 illustrates the FY20 and FY21 monthly bill impact due to increases for multi-family residential and other customers based on the size of the customer's water meter and monthly water usage in CCF.

Table 3 - Other Customer Monthly Water Bill Impacts – Includes Proposed Water Service and Flow Charges

Multi-Family Residential and Non-Residential Water Charges on Water Bill									
	Meter (Inches)	Use (CCF)	FY19 Bill	FY20 Bill	Increase from FY19	Percent Change	FY21 Bill	Increase from FY20	Percent Change
Multi-Family Residential 4 dwelling units	1	25	\$169.95	\$181.12	\$11.17	6.6%	\$192.35	\$11.23	6.2%
Multi-Family Residential 5+dwelling units	1	50	\$302.70	\$322.62	\$19.92	6.6%	\$342.60	\$19.98	6.2%
Commercial	1	50	\$301.70	\$321.12	\$19.42	6.4%	\$341.10	\$19.98	6.2%
Industrial	2	500	\$2,751.36	\$2,928.27	\$176.91	6.4%	\$3,110.35	\$182.08	6.2%

Table 4 illustrates the FY20 and FY21 monthly Water Service and Private Fire Service Charges by meter size. Table 5 illustrates the Proposed Flow Charge and Elevation Surcharge.

Table 4 - Proposed Monthly Water Service Charges (Meter Size) and Private Fire Service Charges (\$/Meter Size)

Monthly Water Service and Private Fire Service Charges on Water Bill						
	FY19	FY20	Percent Change	FY21	Percent Change	
Private Fire Service Charge						
4"	\$127.85	\$136.16	6.5%	\$144.67	6.3%	
6"	\$249.92	\$266.16	6.5%	\$282.80	6.3%	
8"	\$396.39	\$422.16	6.5%	\$448.55	6.3%	
Water Service Charge						
Single Family Residential						
5/8" & 3/4"	\$24.63	\$26.23	6.5%	\$27.87	6.3%	
Multi-Family Residential						
2"	\$106.36	\$113.27	6.5%	\$120.35	6.3%	
All Other						
4"	\$320.13	\$340.94	6.5%	\$362.25	6.3%	

Table 5 - Proposed Monthly Water Flow Charge (Volume) and Elevation Surcharge (\$/CCF)

Water Flow and Elevation Charges on Monthly Water Bill					
Flow Charges (\$/CCF)	FY19	FY20	Percent Change	FY21	Percent Change
Single Family Residential					
Tier 1 up to 7 CCF	\$3.76	\$4.00	6.4%	\$4.25	6.25%
Tier 2 over 7 and up to 16 CCF	\$5.17	\$5.51	6.6%	\$5.85	6.17%
Tier 3 over 16 CCF	\$6.83	\$7.27	6.4%	\$7.72	6.19%
Multi-Family Residential					
All other accounts (commercial/industrial)	\$5.29	\$5.63	6.4%	\$5.98	6.22%
Nonpotable/Recycled Water					
	\$4.12	\$4.39	6.6%	\$4.66	6.15%
Elevation Surcharge* (\$/CCF)					
Pressure Zone 1	\$0.00	\$0.00	0.0%	\$0.00	0.0%
Pressure Zone 2	\$0.76	\$0.81	6.6%	\$0.86	6.17%
Pressure Zone 3	\$1.58	\$1.68	6.3%	\$1.79	6.55%

*Elevation Surcharge is assessed to certain customers based on location. The Elevation Surcharge is applied to each unit of water delivered to properties in some pressure zones, and is calculated to recover the increased cost of power and facility costs required to pump water to locations 200 feet or more above sea level.

Drought Surcharges

Table 6 below shows the current Drought Surcharge percentages on potable Water Flow Charges, as set forth in Schedule L – Drought Surcharge Rate Schedule for Water Service (see Chapter 5). The Drought Surcharge percentages are applied to each of the potable Water Flow Charges including the three single family residential tiers, multi-family, and all other Flow Charges. The Drought Surcharge percentages for each of the four drought stages are independent of each other; the percentage surcharges are not additive to each other. The Drought Surcharge does not apply to the Elevation Surcharge or Nonpotable/Recycle Water Flow Charge.

Table 6 - Drought Surcharge Percentages on Potable Water Flow Charges

	Maximum Applicable Drought Surcharge Percentage in 4 Stages			
	1	2	3	4
All potable water flow charges	0%	8%	20%	25%

In the unlikely event that a water shortage occurs, prior to implementing Drought Surcharges, the District will update the drought related costs and develop and adopt surcharges consistent with the COS study, not to exceed the Drought Surcharge percentages listed above. The District’s Proposition 218 notice for FY20 and FY21 includes information regarding these Drought Surcharges that remain available as a contingency plan.

RECOMMENDED REVISIONS TO OTHER WATER SYSTEM FEES AND CHARGES NOT SUBJECT TO PROPOSITION 218

In addition to the changes in the water system rates and charges described above, this report recommends revisions to other District water system fees and charges. These fees and charges are not subject to the requirements of Proposition 218. However, they are subject to Proposition 26 and in full compliance with its requirements. Proposition 26 governs local government rates and charges, and provides that any levy, charge, or exaction of any kind that is imposed by a local government is a “tax” requiring voter approval, unless it fits within its seven stated exceptions. If a rate/charge does not fall within an exception to Proposition 26’s tax definition, then it will be deemed a tax that is subject to voter approval.

The District periodically reviews the fees and charges in the Schedules of Water System Charges to ensure that the fees and charges are consistent with legal requirements and reflect updated costs. Copies of the fees and charges recommended for revisions are shown under Chapter 5 of this report. For FY20, the following schedules of fees and charges are recommended to be updated to reflect the District’s increased costs, including those related to salaries and benefits:

- 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

- Public Records Act Fee Schedule
- Real Property Use Application Fees
- Recreation Use Fees

Schedule B – Account Establishment Charge

The Account Establishment Charge recovers the District's costs for establishing a new customer account or transferring the account of a customer moving from one address to another. Based on the analysis of the District's current labor cost to set up a new customer account or to transfer an account for a customer moving from one address to another, the Account Establishment Charge is proposed to increase from \$56 to \$57 in FY20. Customers who use the EBMUD website and use the online process to set up a new account generate lower labor costs than those who call the District for the same service. Accordingly, the Account Establishment Charge is lower for customers who set up an account online, reflecting the District's labor cost savings. In FY20, the Account Establishment Charge for online customers is proposed to increase from \$40 to \$41 to reflect updated labor costs.

Schedule C – Charges for Special Services

Schedule C contains the charges for special customer services such as the meter testing program, backflow prevention program, lien program, public hydrant meters, and service interruptions. After a detailed review of the District's costs to provide each of these services, the following recommended changes are proposed for FY20.

Meter Testing Charges

The District is responsible for the maintenance and replacement of all water meters, and recovers those costs through the monthly Water Service Charge. When the District suspects or determines a water meter is not functioning properly, the District tests and/or replaces the malfunctioning meter. When a meter is tested at the sole request of the customer, the District bills the customer a Meter Testing Charge based on the size of the meter to recover the cost of performing this work. If the meter is found to be over-registering water consumption, the Meter Testing Charge is refunded. For FY20, the Meter Testing Charges are proposed to increase between 2.8 percent and 3.2 percent depending on meter size to reflecting the District's current costs for providing this service.

Service Trip Charge

The Service Trip Charge is proposed to increase from \$48 to \$49 in FY20 to reflect the District's updated labor costs. The after-hours Service Trip Charge is proposed to increase from \$66 to \$67 for FY20. Service Trip Charges recoup the cost of sending a Field Services Representative or other District staff to a service for payment extension, service interruption and restoration, and other similar account related visits. An additional task has been added to the list of field service tasks that trigger the Service Trip Charge for removal of unauthorized devices or equipment attached to District property in the meter box. New remote submetering devices have been introduced to the market to help customers manage their own water use and check for leaks. The District has become aware of an increase in the use of these electronic devices that customers have installed inside the District's meter box. On a few occasions, the District has had to remove a device for meter reading or equipment repairs.

Service Interruption Charges

When a customer's bills remain unpaid after the District has made extensive efforts to work with the customer to collect the unpaid bills or to establish and maintain payment arrangements, the District discontinues water service to the customer. Initially, water service is shut off at the meter, which triggers a Service Trip Charge which is proposed to increase in FY20 from \$48 to \$49 to reflect District costs. After the customer pays the delinquent charges owed to the District, another Service Trip Charge is assessed to restore the service. If the customer requests service be restored after normal business hours, an after-hours Service Trip Charge is assessed instead of the normal Service Trip Charge. The after-hours Service Trip Charge is proposed to increase from \$66 to \$67 for FY20. If it is determined that the customer tampered with the water meter after the District has shut off water service, an S-Lock will be placed over the meter at an additional charge, and if there has been more than one previous occurrence of water theft, a Water Theft Penalty will be charged in accordance with the District's Water Theft Penalty Ordinance. The S-Lock charge is proposed to increase from \$61 to \$62 for FY20. If the customer is determined to have tampered with the S-Lock, the meter will be plugged at a proposed FY20 Plug Service Interruption Charge of \$422, an increase from the current charge of \$414 to reflect updated labor charges.

Lien Program Fees

The Lien Program Fees have been amended to reflect the District's staff costs and the fees charged to the District by Alameda and Contra Costa Counties to record and remove the liens. The changes to the lien fees proposed for FY20 will range from a reduction of 7.0 percent to an increase of 28 percent depending on the specific fee.

Wasteful Use Charge and Flow-Restrictor Installation Charges

If the District suspects that a customer is using water in a wasteful manner, District staff contacts the customer and investigates the customer's water use. If it is determined that the customer is violating the District's Water Service Regulations on water waste (Section 29), a Wasteful Use Charge will be charged to recover the cost of monitoring the customer's ongoing water use. The Wasteful Use Charge for FY20 is proposed to be \$49, an increase from the current charge of \$48 to reflect updated costs. If the customer continues to violate the Water Service Regulations Section 29, a flow restrictor may be installed at the customer's expense. The cost of installing the flow restrictor has been updated for FY20, increasing the Flow-Restrictor Installation Charge from \$119 to \$122 for small meters under 1-1/2 inches and from \$256 to \$262 for 1-1/2 and 2-inch meters.

Backflow Device Annual Certification and Violation Charges

To ensure that the water system is not compromised by contaminants, pollutants or plumbing hazards, the District requires a backflow prevention device on some water service connections. A Backflow Device Annual Certification Charge is assessed to cover the administrative costs related to inspection and verification, and is proposed to be \$57 for FY20, an increase from the current rate of \$56. In addition, there is a charge for labor to complete any necessary surveys and inspections which is proposed to increase from \$128 to \$131 per hour. The District maintains a list of certified private companies that can perform the required backflow test. For a company to be included on the list of certified backflow testers, the District charges a Certified Tester Listing Charge. The Certified Tester Listing Charge for FY20 is proposed to be \$159, an increase from the current charge of \$156. If it is determined that a customer has violated the District's backflow prevention

requirements, the District charges a Backflow Device Violation Charge, which is proposed to increase from \$496 to \$506 in FY20, to recover the District's costs to shut off the water service and restore the service once the District verifies that the backflow requirements have been met.

Intervening Water Service Agreement Fee

The District has a program that automatically transfers a property's water service account to the landlord when a tenant who is the EBMUD account holder terminates service. This program allows for water service to continue uninterrupted while the property is vacant without the landlord having to open a new account and pay an Account Establishment Charge for that property. There is a one-time processing fee for the Intervening Water Service Agreement, to recover the administrative costs to set up the agreement. For FY20, the Processing Fee for Intervening Water Service Agreement is proposed to increase from \$58 to \$59 to reflect updated labor costs.

Public Hydrant Meter Account Establishment and Site Visit Charges

The hydrant meter program provides customers with a 3-inch hydrant meter that can be hooked up to a public fire hydrant to meter water use when temporary water service has been approved by the District. The Public Hydrant Meter Account Establishment and Renewal Charge to establish and annually renew the hydrant meter account is proposed to increase in FY20 from \$115 to \$118. The hydrant meter program requires customers to enter into an agreement through which customers agree to regularly self-report meter readings and periodically exchange their meters. When a customer does not follow the terms of the agreement, a Public Hydrant Meter Account Site Visit Charge is charged to recover the cost of investigation and site visits by a Field Services Representative or other District staff to recover the meter. For FY20, the Public Hydrant Meter Account Site Visit Charge is proposed to increase to \$235 from the current charge of \$230 to reflect the District's updated labor costs.

Schedule D – Water Service Installation Charges

Schedule D contains the installation charges for lateral and meter installations for standard services. As part of our comprehensive review of water fees and charges in 2018, the District analyzed the details of the cost analysis for each individual installation charge and updated the labor, equipment, materials, and overhead required for each installation. The current labor and benefit rates, equipment charges, and materials and handling costs were used in the analysis. The 2018 update found that the labor hours required to perform the installations has increased significantly from the prior analysis due to an increased effort for best management practices (BMPs), traffic control, and local permit requirements. In addition, the previous charges did not include cost of supervisory staff that manages the installation work.

Because of the large increases calculated in the 2018 update, the Board approved a three-year phased-in installation charge increase, beginning in FY19. The shortfall in revenue collected from the phase-in of the increases to the installation charges is funded from higher than budgeted property tax revenue received by the District in recent years as a result of increased building activity and property values. By phasing in these large increases to the installation charges, the District will avoid the financial shock to applicants for new services that could negatively impact the increase in new construction and growth in water accounts. The recent growth in water accounts will provide more financial stability to the District in the future and will benefit all ratepayers. Service installation

charges for the second year of the three-year phase-in for FY20 are shown in the proposed Schedule D – Water Service Installation Charges (see Chapter 5) of this report. The proposed FY20 installation charges include increases for salaries and benefits, materials and equipment for 2019.

Schedule E – Private Fire Service Installation Charges

Schedule E contains the installation charges for private fire services that supply capacity for private fire sprinkler systems. As part of our comprehensive review of water fees and charges in 2018, the District analyzed the details of the cost analysis for Private Fire Service Installation Charges and updated the labor, equipment, materials, and overhead required for each installation.

Because of the large increases calculated in the 2018 update, the Board approved a three-year phased-in installation charge increase, beginning in FY19. The shortfall in revenue collected from the phase-in of the increases to the installation charges is funded from higher than budgeted property tax revenue received by the District in recent years as a result of increased building activity and property values. The proposed Private Fire Service Installation Charges for the second year of the three-year phase-in for FY20 are shown in the proposed Schedule E – Private Fire Service Installations Charge (see Chapter 5) of this report. The proposed FY20 installation charges include increases for salaries and benefits, materials and equipment for 2019.

Schedule F – Public Fire Hydrant Installation Charges

Schedule F contains the installation charges for public fire hydrants. The Public Fire Hydrant Installation Charge is almost exclusively paid by developers as a requirement for new development areas or for projects in redevelopment areas. As part of our comprehensive review of water fees and charges in 2018, the District analyzed the details of the cost analysis for public fire hydrant installation charges and updated the labor, equipment, materials, and overhead required for each installation.

Because of the large increases calculated in the 2018 update, the Board approved a three-year phased-in installation charge increase, beginning in FY19. The shortfall in revenue collected from the phase-in of the increases to the installation charges is funded from higher than budgeted property tax revenue received by the District in recent years as a result of increased building activity and property values. The proposed Public Fire Hydrant Installation Charges for the second year of the three-year phase-in for FY20 are shown in the proposed Schedule F – Public Fire Hydrant Installations Charges (see Chapter 5) of this report. The proposed FY20 installation charges include increases for salaries and benefits, materials and equipment for 2019.

Schedule G – Water Main Extension Charges

Schedule G contains the installation charges for water main extensions for both District installed and applicant installed main extensions. The District performs all the work for all water main extensions up to 1,000 feet. For main extensions greater than 1,000 feet, the District performs the engineering and design, survey and inspection work, and the applicant is responsible for installation of the pipeline. As part of our comprehensive review of water fees and charges in 2018, the District analyzed the details of the cost of recent main extensions.

Because of the large increases calculated in the update, the Board approved a three-year phased-in installation charge increase, beginning in FY19. The shortfall in revenue collected from the phase-in of the increases to the Water Main Extension Charges is funded from higher than

budgeted property tax revenue received by the District in recent years as a result of increased building activity and property values. Water Main Extension Charges for the second year of the three-year phase-in for FY20 are shown in the proposed Schedule D – Water Service Installation Charges (see Chapter 5) of this report. The proposed FY20 charges include increases for salaries and benefits, materials and equipment for 2019.

Public Records Act Fee Schedule

The recommended revisions to the Public Records Act Fee Schedule cover the costs of duplication of District records in accordance with the Public Records Act. The recommended changes to the fee schedule include updating the cost of duplication and programming labor charges to reflect direct labor costs for the job classifications involved in providing the records. The labor costs for providing existing paper and electronic records are proposed to increase from \$0.56 per minute to \$0.59 per minute, and for records on tape, CDs, or DVDs from \$0.56 per minute to \$0.59 per minute. Additionally, the labor costs associated with providing records that do not already exist is proposed to increase from \$1.05 per minute to \$1.11 per minute.

Real Property Use Application Fees

The District may allow for use of its property by other public agencies or private entities after evaluating if the proposed use adversely impacts District operations, is compatible with District land management policies and practices, and if there are measurable benefits to the District. The Real Property Use Application Fees schedule recovers the cost of evaluating the applications based on the type of use being requested. For FY20 the following changes to Real Property Use Application Fees are proposed to reflect the District's current costs and a new fee has been added to recover the costs of issuing a long term encroachment permit on District property:

- Unsolicited Title Fee is proposed to increase from \$12,700 to \$13,000
- Other types of Easement Fees is proposed to increase from \$5,900 to \$6,100
- Other types of Quitclaim is proposed to increase from \$2,400 to \$2,500
- Telecommunication Lease Fee is proposed to increase from \$3,700 to \$3,800
- Property Entry and Rights of Entry Permits is proposed to increase from \$310 to \$330
- Temporary Construction Easement/Encroachment Permits on open land with no District facilities will increase from \$650 to \$660, and with District facilities is proposed to increase from \$2,300 to \$2,400
- Long Term Encroachment Permit fee of \$22,000 is proposed to be added to the schedule for FY20.

Recreation Use Fees

The District operates four upcountry recreation areas (Camanche Hills Hunting Preserve, Camanche North and South, and Pardee) and two local watershed recreation areas (Lafayette and San Pablo). These recreation areas provide access to the District's watershed to the general public while maintaining the integrity of the water supply. For those who choose to visit the recreation areas, the District has established a schedule of fees that generate revenue to support the operation of the recreation areas. The District uses several concessionaires to assist with the upcountry and the San Pablo recreation areas; Lafayette recreation area is operated by District

forces. The District also permits public access to extensive trail networks in the East Bay and Mokelumne watersheds. The schedule of Recreation Use Fees is proposed to and approved by the Board of Directors as part of the biennial rate setting process. Discounts are available to seniors, distinguished veterans, active and retired military personnel, and disabled visitors on select recreation use fees, consistent with long-standing Board policy objectives.

The Camanche Regional Park Advisory Board (CRPAB) was established by EBMUD's Board of Directors with Resolution 31778 in December 1986 to review and advise the District and the local counties on matters including operations, rules and fees at Camanche Recreation Area. The CRPAB replaced the former JPA Park Board, and is comprised of two county board appointed representatives each from Amador, Calaveras and San Joaquin Counties. The CRPAB meets in March, July and November of each year, and typically reviews and advises on the proposed two-year package of recreation rates and charges at the November and March meetings preceding EBMUD's biennial rates and charges process. The CRPAB met on March 21, 2019 and approved the Recreation Use Fees proposed for calendar years 2020 and 2021.

Camanche Hills Hunting Preserve

The proposed update to the fee schedule for the Camanche Hills Hunting Preserve (CHHP) includes modifications to simplify the options for sporting clays shooting. In addition, the initiation and annual fees for family and corporate preserve licenses have proposed increases to reflect updated costs. The proposed initiation fee is proposed to increase from \$3,195 to \$3,495. The annual corporate maintenance fee is proposed to increase by \$100 to \$600. Archery range and course fees for pairs and groups will be eliminated.

Camanche North and South Recreation Areas

There are proposed increases for calendar years 2020 and 2021 to 121 of the 141 rates and charges that are reviewed by the EBMUD Board. Fee increases are to help offset increasing labor costs for the concessionaire. The increased fees include vehicle entry/parking, dog, boat, fishing, campsite, towing, miscellaneous, decontamination, cottage, motel, resort rental, mobile home, and facility rentals. The proposed basic Recreation Use Fee increases average 5.5 percent in 2020 and 5.2 percent in 2021 at Camanche.

To prevent the infestation of quagga mussels, zebra mussels and other aquatic invasive species, the District has been performing boat inspections at all its boating reservoirs since 2008. In 2016, the District acquired a Watercraft Decontamination System (WDS) at Camanche Reservoir using grant funds from the California Department of Boating and Waterways. The WDS provides for the decontamination of boats that fail the inspection for risk of invasive species and allows for boat launch into Pardee and Camanche Reservoirs immediately after the boat goes through the decontamination process. The decontamination service is not a required service. Boat owners whose boats fail the inspection have the option of not launching their boat at Pardee/Camanche Reservoirs; using a different non-District recreational boating reservoir; or returning to Pardee/Camanche after they have followed the proper quarantine protocol. Boaters who voluntarily choose to use the decontamination services are charged a \$35 fee that covers the labor, materials and maintenance costs of the WDS. The decontamination service has proven to be a valuable service to boaters and the District with nearly 200 boaters choosing to avail themselves of this option in 2018. The decontamination fees are now being formalized in the proposed calendar year 2020 and 2021 Recreation Use Fees.

In recent years, the Calaveras Consolidated Fire and Jackson Valley Fire Protection District, the two local fire protection districts that provide emergency services to the Camanche Recreation Areas, contacted the District to request that the District make payments to the fire districts in order to maintain the current level of emergency services. In coordination with the Urban Parks Concessionaire, the concessionaire at Camanche Recreation Area, the District has agreed to raise recreation use fees at the Camanche Recreation Areas in order to make financial contributions to the Calaveras Consolidated Fire and Jackson Valley Fire Protection District of approximately \$25,000 per year. The proposed calendar year 2020 increase to the recreation use fees at Camanche incorporate the added cost of these payments to the local fire districts for continued provision of emergency services. The fee increase to maintain the emergency services is based on a fee increase of \$0.50/car/day.

Pardee Recreation Area

The Pardee concessionaire has proposed a few small to moderate increases to the seasonal fees in calendar year 2020. In calendar year 2021, an average increase of 4.9 percent is proposed to basic recreation fees including camping, boat launch, boat slip rental, boat storage, RV fees and facility rentals. Included in this average is a two-step 14 percent increase to seasonal RV fees, which is designed to align the fees with market value following significant upgrades to the Pardee Recreation Area.

Lafayette Recreation Area

The District proposes a few fee decreases and modifications at Lafayette Recreation Area. The fees for entry and parking for cars/motorcycles/smalls vans are proposed to decrease for annual (new or renewal) and senior/disabled (new or renewals and two years). Fees associated with the access card have been removed because access cards are no longer used and have been replaced with hang-tags.

San Pablo Recreation Area

The San Pablo concessionaire has proposed a few fee increases for entry and parking, dog, boat launch, fishing, group picnic, and gazebo. All three month season fees will be eliminated.

Watershed Trails

No changes are proposed for watershed trail permits.

Water Service Regulations

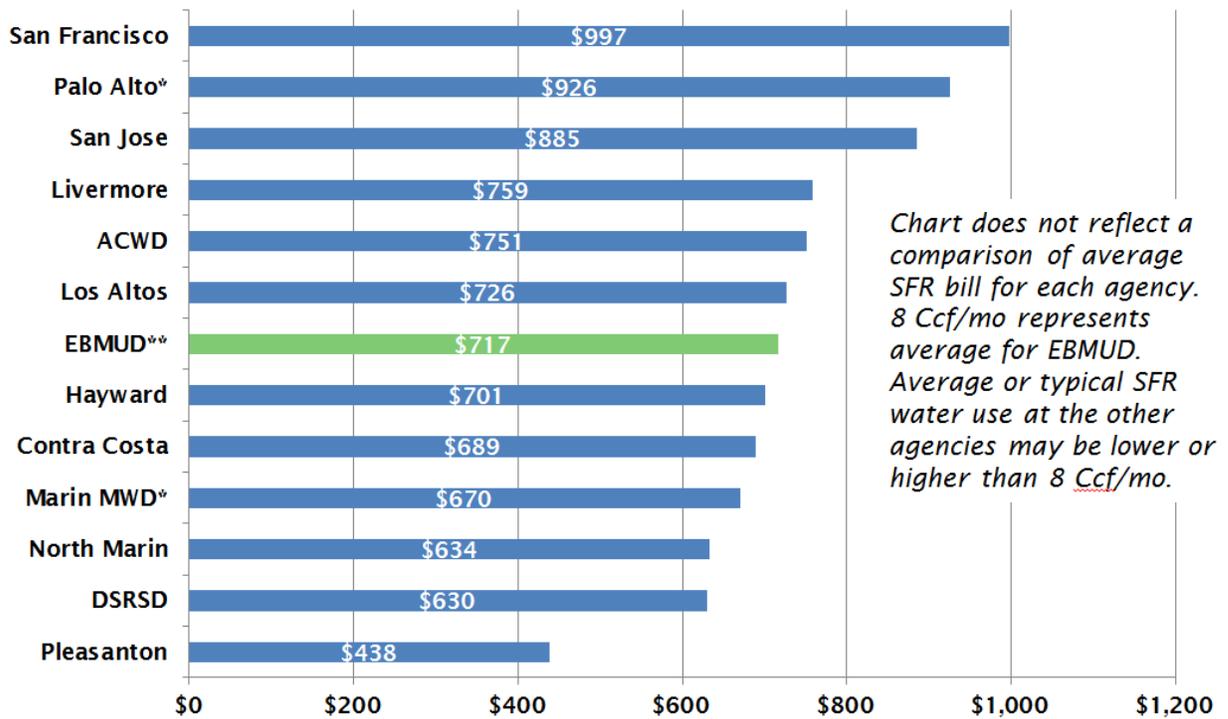
Portions of Section 12 of the District's Regulations Governing Water Service require changes to clarify and update the District requirements for water service. These proposed changes to the Section 12 of the Water Service Regulations document the prohibition against customers attaching any device or equipment to District property in the meter box without prior District approval.

Section 12 – Non-registering and Unreadable Meters and Meter Protection

This regulation has been revised to clarify that customers shall not attach any device or equipment to District property in the meter box without prior District authorization. This regulation also requires that customers shall refrain from taking any action or constructing any equipment, structures or facilities on District property that may interfere with or impede District's ability to operate and maintain the facilities necessary to provide water service to the premises, including the meter, lateral, water main and appurtenances.

Exhibit 1

**COMPARATIVE RESIDENTIAL WATER CHARGES – 8 Ccf/mo
Annual Charge for SFR – July 2019**



*FY19 rates, possible rate increases for July 2019

**Proposed FY20 rates

2. Water System Capacity Charges

Chapter 2 – Water System Capacity Charges/ Water Demand Mitigation Fees

INTRODUCTION

The District has an ongoing need to construct both water supply and water distribution system improvements to assure that there will be reliable and secure water service for each new or upsized connection to the District's system. The District's System Capacity Charge (SCC) was first established in 1983 as a means of assessing applicants an appropriate share of the costs of water distribution capital improvements within the SCC regions of the District. In 1986, an appropriate share of the costs of future water supply (FWS) improvements was added to the SCC.

All applicants for water service are required to pay the SCC when the installation of a new service or upsizing of an existing connection is needed. The SCC is applied on a regional basis (See Exhibit 1 for map), and the SCC charge is updated annually to reflect construction cost escalation for facilities that have already been built or increased cost estimates for facilities yet to be constructed and financed.

In FY08, the Board adopted the recommendations of the SCC Study performed by a rate consultant. The current SCC rates are based on updates to calculations from that study, the details of which are contained in Exhibit 2. The SCC consists of three components:

1. A System-wide Buy-In Component, which is calculated to recover a portion of the cost of existing facilities that serve the system as a whole;
2. A Regional Buy-In Component, which is calculated to recover a portion of the costs of existing facilities that serve one of the three SCC Regions (notably treatment plant and distribution facilities); and
3. A Future Water Supply Component, which is calculated to recover a portion of the costs of FWS projects that are allocated to new and upsized connections.

The District also has a Standard Participation Charge (SPC), a District-wide connection charge that is applicable to only a few remaining contracts for service entered into prior to 1983 that was first established in 1978. The SPC was designed to recover the District-wide average cost of distribution facilities constructed to serve new connections and was superseded by the SCC in 1983. A FWS Component was added to the SPC in 1986. The SPC charge is calculated to recover the latest Water Supply Management Plan costs and will continue to be less than the SCC charge in most regions. Customers eligible for service under the SPC regulations can pay for service under the more favorable of either the SPC or SCC terms and conditions.

RECOMMENDATIONS

1. Modify the FY19 Schedule J – System Capacity Charge (SCC) to clarify when the standard SCC rate tables can and cannot be used for non-residential service connections for meters less than two inches.

2. Maintain the current SCC rates listed in Schedule J, which were adopted by the Board on June 12, 2018.
3. Maintain the current SPC rates listed in Schedule H, which were adopted by the Board on June 12, 2018. The SPC reflects the allowable cost for facilities necessary to serve applicants who had separate facility agreements with the District prior to July 1, 1983.
4. Maintain the current rates listed in Schedule N for Water Demand Mitigation Fees for “The Wendt Ranch,” “The Meadows,” “The Wiedemann Ranch Development,” the “Camino Tassajara Integrated Project” and the “Gale Ranch Phase II” projects, which were adopted by the Board on June 12, 2018.

The changes recommended to Schedule J will be effective on July 1, 2019.

These rates set forth in Schedules J, H, and N are not subject to the requirements of California Constitution article XIII D, section 6 (i.e., Proposition 218). However, they are subject to California Constitution article XIII C, section 1(e) (i.e., Proposition 26), and California Government Code section 66013, and are in full compliance with their requirements.

DISCUSSION

For FY08, with the assistance from a rate consultant, the District revised its approach to the SCC and established the system-wide and regional buy-in components. Pursuant to the methodology outlined in the consultant report, the current SCC was updated in 2018 for the Engineering News Record Construction Cost Index escalation to reflect increasing costs to reproduce existing plant assets needed to serve prospective customers. The asset values and rate calculations for the current capacity charges listed in Schedules J, H and N are documented in the Report and Recommendation of the General Manager Revisions to the Water and Wastewater System Schedule of Rates and Charges, Capacity Charges, and Other Fees Not Subject to Proposition 218, and Regulations for Fiscal Year 2019, dated May 8, 2018.

For FY20, the Board has decided to maintain the current SCC rates set forth in Schedule J pending a complete review of the SCC in 2019 and 2020.

Clarification of SCC for Non-Residential Connections for Meter Sizes 1-1/2 Inches and Under

The District has determined the average daily water consumption values for meters up through 1-1/2 inches within each SCC region and established SCCs based on those averages. Non-residential applicants requesting meter sizes up to 1-1/2 inches are assessed an SCC based on the meter size and SCC region in accordance with Schedule J – System Capacity Charge Section A.1.

In some instances, the applicant’s intended use of the service connection is inconsistent with the average daily water consumption values and other assumptions used to establish the SCC charges for meter sizes up to 1-1/2 inches. Continuous water use operations would be an example of a use that is inconsistent and not intended by the meter size listed in A.1. The proposed changes to the schedule clarify that the District reserves the right to request additional water use information from the applicant requesting a meter size 1-1/2 inches or smaller. If it is determined that the applicant’s annual water use is inconsistent with water use assumptions used to establish the SCC for meter sizes 1-1/2 inches or smaller, then the applicant’s SCC will be based on the expected water use as outlined in Section 3 (SCC for Larger Meters) regardless of the actual meter size installed.

3. Wastewater System Rates, Charges and Fees

Chapter 3 – Wastewater System Rates, Charges and Fees

INTRODUCTION

The District updates the wastewater system's rates, charges and fees biennially in conjunction with the development of its budget. The charges are designed to recover the costs identified in the proposed operating and capital budgets and to meet Board policy goals. Wastewater system charges for wastewater treatment that are collected on the water bill include the Service Charge, Strength Charge, and Flow Charge. Other wastewater charges include special fees collected to fund the San Francisco Bay Pollution Prevention Program (SF Bay Pollution Prevention Fee) and the Wet Weather Facilities Charge (WWFC). The District completed a cost of service (COS) study in May 2019 to ensure that all of the District's charges are appropriately and equitably established and consistent with California law, including Proposition 218. The proposed FY20 rates and charges for the wastewater system have been modified to include the COS study adjustments as well as an overall increase to support the revenue requirements and capital and operating budgets for FY20 which results in some components of the wastewater system charges decreasing and others increasing. Overall the FY20 proposed rates will generate 4.0 percent more revenue for the District in FY20 than the current FY19 rates. For FY21, an additional 4.0 percent increase to the proposed FY20 rates is necessary to meet the FY21 revenue requirement. Illustrations of the varying impacts of the COS changes and overall FY20 and FY21 proposed rate increases are presented in this chapter.

Details of the COS adjustments and the FY20 and FY21 rate calculations from the District's May 2019 COS study are shown in Appendix A. They are also addressed in the General Manager's March 21, 2019 memorandum to the Board which discusses the proposed FY20 and FY21 wastewater rates and charges that are subject to Proposition 218 (California Constitution article XIII D, section 6). The rates and charges for the wastewater system will be effective on bills issued on or after July 1, 2019 for FY20, and on or after July 1, 2020 for FY21.

RECOMMENDATIONS

The recommendations in this section cover wastewater system charges including Treatment Charges for Service, Strength and Flow, WWFC, SF Bay Pollution Prevention Fee, Permit Fees, Testing Fees, Resource Recovery Fees, Interceptor Connection Fees, and Other Fees.

Recommended changes to the rates, charges and fees for the wastewater system are:

Wastewater Treatment Charges, Wet Weather Facilities Charge and SF Bay Pollution Prevention Fee (Subject to Proposition 218):

- Modify the wastewater system charges for FY20 to include the COS study adjustments and overall increase for FY20 which result in some wastewater rates and charges decreasing and others increasing, as shown in Schedule A – Wastewater Department Rates for Treatment Service.

- Increase the rates proposed for FY20 wastewater system charges (Schedule A) an additional 4.0 percent for FY21. The proposed FY20 and FY21 wastewater rate increases support the District's proposed FY20 and FY21 operating and capital expenditures and meets Board policy goals.
- For the wastewater treatment charges collected on the EBMUD water bill, the impact of the combined FY20 and FY21 wastewater rate to the average single family residential (SFR) customer is an increase of \$1.07 per month or about 4.9 percent compared to the current FY19 bill.
- For the WWFC collected on the property tax bill, the impact of the combined FY20 and FY21 increases for the typical SFR customer is an increase of \$11.96 per year or about 11.5 percent compared to the current FY19 charge, as shown in Schedule B – Wastewater Department Wet Weather Facilities Charge.
- Adopt the FY20 and FY21 Wastewater Treatment Rates and Charges as shown in Wastewater System Schedule A – Rates for Treatment Service (see Chapter 5).
- Adopt the FY20 and FY21 Wastewater System Schedule B – Wet Weather Facilities Charge (see Chapter 5).
- Retain the existing SF Bay Pollution Prevention Fee of \$0.20 and \$5.48 per month for residential and non-residential customers respectively, as shown in Schedule D – Wastewater Department Other Fees (see Chapter 5).

Wastewater Fees and Charges Not Subject to Proposition 218:

- Increase the Wastewater Discharge Permit, Limited Term Discharge Permit and Estimation Permit Fees by approximately 4.0 percent in FY20 and by approximately 4.0 percent in FY21 as shown in Schedule C – Wastewater Department Industrial Permit Fees (see Chapter 5).
- Increase the Monitoring Fee and Violations Follow-Up Fees by approximately 4.0 percent in FY20 and by approximately 4.0 percent in FY21 as shown in Schedule D – Wastewater Department Other Fees (see Chapter 5).
- Increase the Private Sewer Lateral Compliance Fees by 4.0 to 15 percent in FY20 and by 0.0 to 5.0 percent in FY21 as shown in Schedule D – Wastewater Department Other Fees (see Chapter 5).
- Update the Laboratory Test Charges for both increases and decreases to reflect the updated testing costs as shown in Schedule E – Wastewater Department Testing Fees (see Chapter 5).
- Increase the FY20 fees and rates for the Resource Recovery Material Treatment to reflect increased costs and to provide financial incentive to direct more material deliveries to non-peak hours as shown in Schedule F – Wastewater Department Rates for Resource Recovery Material Treatment (see Chapter 5).

- Increase the FY20 fee for review, coordination and construction inspection for connections made to the interceptors to reflect actual costs as shown in Schedule H – Wastewater Department Wastewater Interceptor Connection Review, Coordination and Inspection Fee (see Chapter 5).

DISCUSSION

Wastewater Treatment Charges and Wet Weather Facilities Charge

Update wastewater system charges for COS adjustments and increase rate revenue by 4.0 percent in FY20 and 4.0 percent in FY21.

Wastewater system charges cover expenditures in the District's operating and capital budgets and meet the Board's policy goals. The proposed increases address the District's needs as presented in its proposed biennial budget for FY20 and FY21. In 2019, the District conducted a COS study of the wastewater system to ensure that wastewater charges align with the cost to treat wastewater from residential and non-residential customers. Details of the increases in individual charges are shown below under **Wastewater System Cost of Service and FY20 and FY21 Proposed Charges**. Details of the FY20 and FY21 budget objectives, operating budget, capital expenses, and debt expenses are available in the FY20 and FY21 Proposed Biennial Budget and Capital Project Summaries.

The overall wastewater rate increases for FY20 and FY21 will be exactly as previously projected for the wastewater system, but individual components of the wastewater system charges are recommended to be adjusted to reflect the recommendations in the 2019 COS study. The average SFR bill for wastewater treatment based on the average use of 6 hundred cubic feet (CCF) will increase by approximately \$0.20 per month in FY20 and an additional \$0.87 per month in FY21. Wastewater customers also pay a WWFC collected on the property tax bill. Depending on lot size, in FY20 this charge will increase between \$7.50 to \$26.76 per year, and in FY21 between \$4.46 to \$15.90 per year.

As a result of the COS study, some wastewater rates and charges would decrease and others would increase in FY20. For FY21, wastewater rates and charges would increase an additional 4.0 percent. With the proposed FY20 and FY21 changes to the wastewater system charges, revenue collected from all wastewater system charges would increase by 4.0 percent in FY20 and an additional 4.0 percent in FY21 from what would be collected under the current FY19 charges. The required revenues collected from the proposed FY20 and FY21 wastewater system charges are developed from the proposed FY20 and FY21 operating and capital budgets and to meet the Board's financial policy goals.

Table 1 illustrates the amount of revenue needed from the FY20 and FY21 increases to the wastewater system charges to fund FY21 expenditures. Between FY19 and FY21, operation and maintenance (O&M), debt service, and capital expenses are budgeted to increase to varying degrees. In total, expenses in FY21 are projected to be \$154.4 million, 6.8 percent higher than FY19. The District has access to a variety of non-wastewater system charge revenues such as bond proceeds, property taxes, and reserves to pay for O&M and capital expenses. These revenues are projected to cover \$45.0 million of expenditures in FY21, leaving \$109.4 million to be paid for from revenues from wastewater system charges. FY19 wastewater system charges are

projected to generate \$101.3 million of the necessary \$109.4 million, leaving \$8.1 million, or 8.0 percent, of incremental expenditures to be addressed from increases in the wastewater system charges. This 8.0 percent increase is proposed to be distributed over two years, with a 4.0 percent increase in FY20 and a 4.0 percent increase in FY21, consistent with the projections made when the FY18 and FY19 budget was adopted.

Table 1 - Revenue Shortfalls (In Million\$) Addressed Through Rate Increase

	FY19	FY21	2-Yr Δ
Revenue Requirement			
+ O&M expense	\$73.1	\$78.6	7.5%
+ Debt service expense	31.9	29.8	-6.6%
+ Capital expense	39.6	46.0	16.2%
Total expenses =	144.6	154.4	6.8%
- Other revenues	-44.0	-45.0	2.3%
Revenue requirement =	\$100.6	\$109.4	8.7%
Revenue Adjustment			
+ Revenue requirement		\$109.4	
- Revenue from existing rates		-101.3	
Difference =		\$8.1	
Total Rate Revenue Requirement Adjustment		8%	

Wastewater System Cost of Service Study and FY20 and FY21 Proposed Charges

State law and District policy require that the District's property-related rates and charges, including most components of the wastewater system's rates and charges, be based on the cost of providing service. A COS study allocates operating and capital costs to each type of customer based on both the customer's wastewater discharge characteristics and the wastewater facility design and operations. This nexus between wastewater discharge and cost forms the financial and legal basis for setting utility rates and charges. Over time, both customer wastewater discharge characteristics and costs can change and a COS study helps reconcile these changes with revenues under existing rates and charges. COS studies often result in recommended modifications to existing rates and charges.

The District retained Raftelis Financial Consultants (RFC) to perform a COS study for the wastewater system. The RFC study was completed in May 2019 and indicated that the District's charges were generally in line with Proposition 218's cost of service principles, but the study also recommended some adjustments. The recommended adjustments were incorporated into the proposed FY20 and FY21 wastewater system charges. Details of the COS adjustments and the FY20 and FY21 rate calculations from the District's May 2019 COS study are shown in Appendix A. The District believes that its established and proposed rates for wastewater service comply with the substantive standards of Proposition 218 (California Constitution article XIII D, section 6) and do

not exceed the proportional cost of providing wastewater service on a parcel basis at each given level of usage.

The COS study developed detailed operating and capital cost allocations for the treatment processes at the Main Wastewater Treatment Plant (MWWTP), interceptors and wet weather facilities and evaluated alternative methods of measuring wastewater strength. Annual operating and capital costs funded by wastewater system rates and charges were allocated to wastewater treatment categories of flow, chemical oxygen demand (COD), and total suspended solids (TSS). The flow, COD, and TSS costs were then assigned to various customer classes in proportion to their loadings in compliance with Proposition 218. The billed strength loadings assumptions for residential and non-residential customers were validated with an analysis of measurements at the MWWTP.

In addition, based on the COS study a decision has been made to use COD instead of the chemical oxygen demand filtered (CODf) as a measure of waste strength, to be more consistent with other larger agencies and because the District's customer base no longer has many high strength industrial customers where the distinction is relevant.

The WWFC funds capital expenses for the inflow and infiltration (I&I) facilities required to handle the wet weather flows that enter the wastewater system through the local collection systems and sewer connections. The recommendations from the COS study results in slight changes to the residential and non-residential wastewater treatment and wet weather charges.

Key findings of the wastewater COS study are summarized below:

Wastewater System Treatment Charges

- Lower influent strength measured at the treatment plant confirms lower strength for residential customers, as well as non-residential customers. The result is a decrease in the residential treatment charge and a slight shift in the proportion of costs to non-residential uses with a corresponding increase in non-residential customer charges.
- The wastewater monthly cap of 9 CCF for SFR was reviewed and confirmed – usage above 9 CCF is considered to be largely irrigation usage and thus does not enter the wastewater system.
- Wastewater system treatment charges continue to be billed based on volume of flow (in \$/CCF). The strength of the flow is also considered and is measured in pounds of total suspended solids (\$/pound TSS) and pounds of COD (\$/pound COD), instead of CODf in order to be more consistent with other utilities.

Wet Weather Facilities Charge

- The COS analysis indicates adjustments to the WWFC are needed to reflect current and updated costs of the program. The result is a slight increase in the I&I costs assigned to the WWFC.

Based on the COS study, the District will retain its existing wastewater customer classes and rate structure. Wastewater service fees have three customer classes: residential, multi-family

residential, and non-residential. Non-residential customers are further classified based on the type of business operated, which are grouped together 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. 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 WWFC.

Proposed FY20 and FY21 Wastewater System Rates and Charges Subject to Proposition 218

As a result of implementing the recommendations from the COS study for the proposed rates and charges for the wastewater system, some wastewater rates and charges in FY20 would decrease and others would increase. For FY21, wastewater rates and charges would increase an additional 4.0 percent. With the proposed FY20 and FY21 changes to the wastewater system rates and charges, revenue collected from all wastewater system rates and charges would increase by 4.0 percent in FY20, and an additional 4.0 percent in FY21 from what would be collected under the current FY19 charges. The impact of the proposed changes to the FY20 and FY21 wastewater system rates and charges on customer bills will depend on the type of customer and the volume of wastewater discharge. For the typical SFR homeowner who pays both the wastewater treatment charges collected on the water bill and the Wet Weather Facilities Charge collected on the property tax bill, the total increase for wastewater system rates and charges is 2.7 percent for FY20, and 4.0 percent for FY21.

Individual charges proposed for FY20 and FY21 are rounded to the nearest whole cent after the increases are applied to the current service charges. The impact on a customer's bill of the proposed increases will differ slightly for each customer class and for individual customers within each customer class depending on the respective monthly wastewater flow. Tables 2 through 4 illustrate the impact of the proposed increases on specific charges for various categories of users. Six CCF per month represents the average indoor water use for residential customers. All these tables incorporate the proposed increases consistent with the 2019 COS study.

Table 2 shows the customer impacts of the proposed FY20 and FY21 charges for wastewater treatment.

Table 2 - Customers' Monthly Wastewater Treatment Bill Impacts - Includes Service, Flow and Strength Charges and SF Bay Pollution Prevention Fees

Monthly Wastewater Charges on Water Bill									
	Meter (Inches)	Use (CCF)	FY19 Bill	FY20 Bill	Increase from FY19	Percent Change	FY21 Bill	Increase from FY20	Percent Change
Average Single Family Residential	5/8	6	\$21.95	\$22.15	\$0.20	0.9%	\$23.02	\$0.87	3.9%
Single Family Residential	5/8	9	\$25.55	\$25.96	\$0.41	1.6%	\$26.98	\$1.02	3.9%
Multi-Family Residential 4 dwelling units	1	25	\$70.64	\$68.81	\$(1.83)	-2.6%	\$71.50	\$2.69	3.9%
Multi-Family Residential 5+ dwelling units	1	50	\$143.62	\$149.52	\$5.90	4.1%	\$155.30	\$5.78	3.9%
Commercial	1	50	\$148.10	\$154.00	\$5.90	4.0%	\$159.78	\$5.78	3.8%
Industrial	2	500	\$8,006.60	\$9,037.50	\$1,030.90	12.9%	\$9,387.78	\$350.28	3.9%

The unit rates listed in Table 3 are used to calculate the Strength Charge and Flow Charge for residential and non-residential customers based on the billable constituents in their wastewater discharge. The unit rates are based upon an allocation of costs to billable constituents for flow, COD and TSS which are used to determine the unit cost for each billable constituent. The unit rate increases listed in Table 3 combine the results of the COS study with the overall rate increases for FY20 and FY21. Due to the proposed FY20 switch to COD from COD_f, there is not a current COD unit rate for FY19.

Table 3 - Proposed Wastewater Treatment Unit Rates for Residential and Non-Residential Customers

Wastewater Treatment Unit Rates					
Unit Rates	FY19	FY20	Percent Change	FY21	Percent Change
Service Charge (\$/account)	\$6.12	\$7.02	14.7%	\$7.30	4.0%
Flow (\$/CCF)	\$1.196	\$1.266	5.9%	\$1.317	4.0%
Strength - COD (\$/pound)	N/A	\$0.129	N/A	\$0.134	3.9%
Strength -Total Suspended Solids (\$/pound)	\$0.517	\$0.530	2.5%	\$0.551	4.0%

Residential Wastewater Charges

The residential wastewater charges on the water bill are composed of the treatment charges and a separate SF Bay Pollution Prevention Fee. Residential customers include single family customers and multi-family customers with up to four dwelling units per premise.

For the wastewater treatment, unit rates are applied to residential discharge characteristics to calculate the fixed residential Strength Charge. Residential customers also pay the Service Charge and a Flow Charge that varies with water use to a maximum of 9 CCF per month per dwelling unit. The 9 CCF per month per dwelling unit maximum flow charges only applies to residential customers. Under the proposed increase, the average wastewater charges on the residential customer bill will increase \$0.20 per month in FY20 from \$21.95 to \$22.15 (0.9 percent). For FY21, the average wastewater bill will increase \$0.87 per month from \$22.15 to \$23.02 (3.9 percent). The monthly charges include the SF Bay Pollution Prevention Fee (described below), which remains at \$0.20 per month for FY20 and FY21 for residential customers. In addition to the wastewater system charges collected on the water bill, wastewater customers also pay a WWFC (described below) that varies with lot size and is collected on the property tax bill.

Exhibit 1 compares the estimated annual residential wastewater collection and treatment service charges with comparable charges of other agencies. The total estimated average District charge for FY20, including the SF Bay Pollution Prevention Fee and WWFC, is \$377 per year for treatment and wet weather. It should be noted that in Exhibit 1 the average city charge for wastewater collection service is added to the District's wastewater treatment charges in order to calculate an average total charge for residential wastewater service. The total residential service charge is then compared to similar service charges for other agencies and communities in the Bay Area.

Non-residential Wastewater Charges

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. Non-residential users are assigned typical waste strengths by BCC for COD and TSS. The unit rates are applied to the assigned strengths for each BCC to determine individual non-residential combined flow and strength charges (\$ per CCF).

The proposed FY20 and FY21 non-residential combined flow and strength charges for each BCC rate are shown on Schedule A – Wastewater Department Rates for Treatment Service. These charges are based on the FY20 and FY21 proposed unit rates for flow and strength as determined by the 2019 COS study plus the overall 4.0 percent increases to support FY20 and FY21 revenue requirements and capital and operating budgets. The non-residential combined flow and strength charges have been rounded to the nearest whole cents (\$ per CCF). After the adjustments from the 2019 COS study and the overall 4.0 percent increase, the FY20 non-residential combined flow and strength charges are proposed to increase between 3.7 percent to 14.5 percent, depending on the BCC. In FY21, non-residential combined flow and strength charges are proposed to be increased by 4.0 percent, but due to rounding of the charges to the whole cent, the resulting increases range from 3.8 percent to 4.7 percent when compared to FY20 charges.

In addition to the wastewater system charges collected on the water bill, wastewater customers also pay a WWFC collected on the property tax bill depending on lot size (described below). For

customers who do not receive a property tax bill (tax-exempt entities) the charge is collected on the water service bill.

Non-residential users also pay the proposed Service Charge of \$7.02 in FY20 and \$7.30 in FY21 on their monthly water service bill. The SF Bay Pollution Prevention Fee of \$5.48 for FY20 and FY21 is also included on the monthly water service bill for non-residential customers.

Wet Weather Facilities Charge

The WWFC is a fixed charge that is imposed on the property itself. 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 is it dependent on whether the wastewater discharge is from a residential or non-residential customer. For these reasons, lot size rather than water 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. As part of the FY20 and FY21 Proposition 218 rates approval process, the Board will adopt a separate resolution establishing the collection of the FY20 and FY21 WWFC on the property tax bill for Alameda and Contra Costa counties. In addition, prior to the submittal of the FY20 and FY21 WWFC filings with Alameda and Contra Costa counties, the complete listing of the WWFC by parcel number will be filed with the Board.

The WWFC was reviewed as part of the 2019 COS study. With adjustment for the 2019 COS study and the proposed overall 4.0 percent FY20 wastewater rate increase, the WWFC will increase 7.2 percent in FY20 when compared to the FY19 charge. The proposed increase for FY21 is 4.0 percent.

Table 4 shows the proposed 7.2 percent increase in FY20 and proposed 4.0 percent increase in FY21 for the WWFC for each of the three lot size categories.

Table 4 - Proposed Wet Weather Facilities Charge - (\$/Lot Size)

Wet Weather Facilities Charge on Property Tax Bill							
Lot Size	FY19 Bill	FY20 Bill	Increase from FY19	Percent Change	FY21 Bill	Increase from FY20	Percent Change
Small Lot 0 - 5,000 sq. ft.	\$103.74	\$111.24	\$7.50	7.2%	\$115.70	\$4.46	4.0%
Medium Lot 5,001 - 10,000 sq. ft.	\$162.06	\$173.78	\$11.72	7.2%	\$180.74	\$6.96	4.0%
Large Lot >10,000 sq. ft.	\$370.44	\$397.20	\$26.76	7.2%	\$413.10	\$15.90	4.0%

Wastewater Pollution Prevention Programs and Pretreatment Fees

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)).

Pretreatment Program activities include:

- Establishing discharge permit and monitoring requirements for industrial and commercial users
- Conducting inspections of industrial and commercial facilities
- Sampling industrial and commercial users' waste streams
- Reviewing industrial and commercial user reports
- Determining industrial and commercial user compliance status
- Initiating enforcement actions
- Reporting progress to the EPA and RWQCB

SF Bay Pollution Prevention Program activities include:

For non-residential customers

- Identifying and monitoring pollutants of concern
- Developing pollution prevention strategies to reduce pollutants of concern from targeted commercial businesses
- Managing the federally-mandated Dental Amalgam program for dental dischargers
- Developing a permitting program for the emerging commercial businesses with potential pollutants of concern (e.g., cannabis growing and processing)
- Developing pollution prevention control strategies
- Conducting targeted outreach for identified business types including developing and distributing best management practices information and pollution prevention literature
- Coordinating with other wastewater agencies to obtain efficiencies in program development and production of outreach materials

- Providing pollution prevention information for businesses on the District's website

For residential customers

- Targeting outreach to reduce residential discharges of pollutants of concern by creating public advertising campaigns and attending public events, providing in-person education, and outreach to residents and community groups
- Developing collaborative efforts with other wastewater agencies to obtain economies of scale and other efficiencies
- Establishing strategic partnerships with local environmental organizations such as Save The Bay, Baykeeper, and Environmental Working Group
- Conducting research to identify possible control strategies for residential sources of emerging pollutants of concern
- Developing and implementing product stewardship activities
- Providing opportunities for residential customers to dispose of targeted pollutants in an environmentally responsible manner
- Providing pollution prevention information for residents on the District's website

To effectively implement and ensure compliance with the Federal and State pretreatment program regulations, the District implements a permitting, monitoring, and enforcement response system approved by the EPA. The EPA requires that the District provide sufficient budget and staff for program implementation. Sufficient resources and qualified personnel are funded primarily by fees that are applied to industrial and commercial users. Each year, the District's Pretreatment and Pollution Prevention Program budget and source of funding is submitted to the EPA and RWQCB.

In response to continuing changes in the National Pretreatment Program and to meet requirements of the District's MWWTP National Pollutant Discharge Elimination System Permit, the District must continue to implement a robust Pretreatment Program and Pollution Prevention Program. Funds for the Pollution Prevention Program are generated by the SF Bay Pollution Prevention Fees from residential and non-residential customers. Funds to operate the Pretreatment Programs are generated from fees for Wastewater Discharge Permits, Monitoring and Testing, and Violation Follow-up activities.

SF Bay Pollution Prevention Fees

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. As shown on Schedule D – Wastewater Department Other Fees (see Chapter 5), the SF Bay Pollution Prevention Fee for non-residential customers will remain \$5.48 per month for FY20 and FY21 to fund the pollution prevention activities that target pollutants from non-residential customers. The fee for residential customers will remain \$0.20 per month for FY20 and FY21 to fund the pollution prevention activities that target pollutants from residential customers. The SF Bay Pollution Prevention Fees are collected on the water bill in addition to the wastewater service charge and have not increased since 2008.

Proposed FY20 and FY21 Wastewater System Rates and Charges NOT Subject to Proposition 218

Pretreatment Program

Wastewater Department Industrial Permit Fees

There are three types of Wastewater Permits: 1) Wastewater Discharge Permit, 2) Estimation Permit, and 3) Limited Term Discharge Permit. Each has a fee to recover costs.

1. The Wastewater Discharge Permit establishes compliance reporting requirements, site-specific discharge limitations, industry self-monitoring requirements, and may include billing conditions for unique wastewater strength and flow. Wastewater Discharge Permits are extremely detailed and include specific provisions required by the EPA and the State. Staff must review permit application documents, develop permit requirements, review compliance reports, perform onsite inspections, revise permit conditions, update billing to incorporate rate or regulatory changes, provide information to industrial users and maintain electronic and hard copy data files. The renewal frequency of the Wastewater Discharge Permits is typically 5 years with an annual permit fee. The proposed increase reflects actual District staff costs. For FY20, the annual Wastewater Discharge Permit fee is recommended to be \$2,810, an increase of \$110 over the FY19 fee. For FY21 the annual permit fee is recommended to be \$2,920, an increase of \$110 over the FY20 fee as shown on Schedule C – Wastewater Department Industrial Permit Fees (see Chapter 5).
2. The Estimation Permit establishes billing conditions when wastewater volumes cannot be determined by District water meters due to significant non-sewer use, such as irrigation. Estimation Permits are optional and issued at the request of a discharger when wastewater flow is significantly less than metered water consumption. In issuing these permits, staff must review permit application documents, develop permit requirements, review compliance reports, revise permits to incorporate rate or regulatory changes, provide information to industrial users, and maintain electronic and hard copy data files. The proposed increase reflects actual District staff costs. For FY20, the Estimation Permit fee is recommended to be \$1,060, an increase of \$45 over the FY19 fee. For FY21 the permit fee is recommended to be \$1,110, an increase of \$50 over the FY20 fee as shown on Schedule C – Wastewater Department Industrial Permit Fees (see Chapter 5).
3. Limited Term Discharge Permits are issued for special wastewater discharge conditions not included in the District's permit and fee structure. Typical uses of the limited term permit would be for construction dewatering or remediation projects. The permit fee covers the cost of labor required to review the application, issue the permit, including establishing pretreatment conditions, and monitoring discharge conditions. The treatment cost is not included in the permit fee and is charged from Schedule A – Wastewater Department Rates for Treatment Service based on the type of discharge. For example, construction dewatering discharges would be charged under Groundwater Remediation. After a review of the District's costs to issue and administer the Limited Term Discharge Permits, the District proposes to increase the Limited Term Discharge Permit fee from \$2,500 per year to \$2,570 in FY20 and to \$2,670 in FY21, as shown on Schedule C – Wastewater Department Industrial Permit Fees (see Chapter 5).

Monitoring Fees

For some Wastewater Discharge Permits issued to industrial users, the District requires monitoring and testing of the discharge. The Monitoring Fee recovers the cost of labor and equipment to perform field inspections, collect and coordinate samples for lab testing, install and maintain field monitoring equipment, and prepare inspection reports. Staff recommends that the current fee of \$1,430 be increased to \$1,490 in FY20 and to \$1,550 in FY21 as shown on Schedule D – Wastewater Department Other Fees (see Chapter 5). These increases reflect the actual staff costs to perform the monitoring activities.

Violation Follow-up Fees

Wastewater permit holders are required to follow the conditions listed in their permits. If the District determines that the permit holder has violated the conditions of their permit, a series of violation actions are taken with accompanying fees.

A stage 1 violation follow-up fee consists of follow-up actions in response to reporting or required action violations that do not include a discharge violation. These violations can usually be resolved without sampling. A stage 1 violation follow-up fee is charged to conduct this follow-up activity. Staff must identify or review the violation, provide formal notification to the violators, determine compliance status, prepare billing documentation, and monitor correction activities. Staff recommends that the current fee of \$670 be increased to \$700 in FY20 to reflect actual costs. For FY21, the proposed fee is \$730.

A stage 2 violation follow-up fee is required for wastewater discharge violations or any violation follow-up that requires sampling. Staff must identify or review the violation, provide formal notification to the violator, prepare billing documentation, conduct a follow-up inspection and sample the wastewater discharge, and determine ongoing compliance status. Staff recommends that the current fee of \$1,410 be increased to \$1,490 for FY20 to reflect actual costs. For FY21, the fee is proposed is \$1,550.

A stage 3 violation follow-up fee is required when enforcement orders are issued. Staff must identify or review the violation, provide formal notification to the violator, prepare billing documentation, conduct a follow-up inspection, sample the wastewater discharge, prepare and administer enforcement orders, and determine ongoing compliance status. Staff recommends that the current fee of \$2,950 be increased to \$3,070 for FY20 to reflect actual costs. For FY21, the fee is proposed to be \$3,190. The proposed violation follow-up fees are shown on Schedule D – Wastewater Department Other Fees (see Chapter 5).

Private Sewer Lateral Compliance Fees

The District has been operating under a Consent Decree with the EPA, State Water Resources Control Board (SWRCB), the RWQCB and the District's satellite collection system agencies since September 2014. As part of the Consent Decree, the District is required to implement a Regional Private Sewer Lateral (PSL) Ordinance. The ordinance requires property owners to obtain a compliance certificate from the District when they hit one of three triggers: transferring title to property (e.g., buying/selling a home), performing remodeling or construction work valued at greater than \$100,000, or increasing or decreasing water meter size. The District has been implementing this program since August 2011, having been under a prior regulatory order.

The current fee for the compliance certificate is \$250 and was last increased in FY18. To recover the District's costs for the inspection and to issue the compliance certificate, the compliance certificate fee is proposed to increase to \$260 for FY20 and to \$270 in FY21. The charge for a time extension certificate is also proposed to increase in FY20 from \$100 to \$110 to reflect the District's costs. The fees for rescheduling, extra lateral or additional testing, and off-hours verification testing are also proposed to increase 5 to 10 percent for FY20, and the fee for off-hours verification testing is proposed to increase an additional 5 percent in FY21. For clarity and consistency with other violation-related cost of service based fees, the PSL non-compliance initial and monthly fees will be renamed PSL Violation Follow-Up – Initial Fee and PSL Violation Follow-up – Monthly Fee. The PSL Violation Follow-up – Initial Fee is proposed to increase from \$350 to \$370 for FY20 and to \$380 for FY21 to reflect actual costs. The PSL Violation Follow-up – Monthly Fee is proposed to increase from \$87 to \$100 for FY20 to reflect actual costs. The proposed PSL compliance fees are shown on Schedule D – Wastewater Department Other Fees (see Chapter 5).

Table 5 shows the proposed permit fee changes for FY20 and FY21.

Table 5 - Summary of Proposed Permit Fee Changes

Description	FY19 Fee	Proposed FY20		Proposed FY21	
		Fee	\$ Incr	Fee	\$ Incr
Wastewater Discharge Permit	\$2,700	\$2,810	\$110	\$2,920	\$110
Estimation Permit	\$1,015	\$1,060	\$45	\$1,110	\$50
Limited Term Discharge Permit	\$2,500	\$2,570	\$70	\$2,670	\$100
Monitoring Fee (per event if required)	\$1,430	\$1,490	\$60	\$1,550	\$60
Violation Follow-Up Stage 1	\$670	\$700	\$30	\$730	\$30
Violation Follow-Up Stage 2	\$1,410	\$1,490	\$80	\$1,550	\$60
Violation Follow-Up Stage 3	\$2,950	\$3,070	\$120	\$3,190	\$120
Private Sewer Lateral Compliance Fees - Compliance Certificate	\$250	\$260	\$10	\$270	\$10
Private Sewer Lateral Compliance Fees - Time Extension Certificate	\$100	\$110	\$10	\$110	-
Private Sewer Lateral Compliance Fees - Inspection Reschedule	\$73	\$80	\$7	\$80	-
Private Sewer Lateral Compliance Fees - Extra Lateral or Additional	\$66	\$70	\$4	\$70	-
Private Sewer Lateral Compliance Fees - Off-Hours	\$200	\$210	\$10	\$220	\$10
Private Sewer Lateral Compliance Fees – Violation Follow-Up – Initial Fee	\$350	\$370	\$20	\$380	\$10
Private Sewer Lateral Compliance Fees – Violation Follow-Up – Monthly Fee	\$87	\$100	\$13	\$100	-

Laboratory Testing Charges

The District may require laboratory testing and analysis of samples as part of a discharge permit or other action. The Testing Fees recover the cost of labor and equipment to perform the laboratory testing and analysis. Based on the updated cost to perform the laboratory testing, the charges for some tests have been reduced and some have been increased. In addition, testing for individual metals (arsenic, cadmium, chromium, copper, iron, lead, nickel, silver, and zinc) has been combined for FY20 into the ICP Metals Scan test because the EPA methodology requires that the ICP Metals Scan process that tests for the entire group of metals be used. Beginning FY20, the ICP Metals Scan charge of \$224 will be charged for any metals test which was previously charged \$70 for each individual metals test. The proposed FY20 laboratory testing charges are shown on Schedule E – Wastewater Department Testing Fees (see Chapter 5) and reflect changes in laboratory costs and elimination of the individual metals tests.

Resource Recovery Program

The Resource Recovery program accepts delivery of trucked wastes to use excess treatment capacity at the MWWTP and generate tip fee revenue for the District. This program provides an environmentally sound disposal alternative to the community while maintaining fiscal responsibility to the ratepayers by fully utilizing treatment assets. Based on the District's experience in operating the Resource Recovery program and the knowledge of customer's waste streams, the District proposes to increase the FY20 treatment rates for Brine, Sludge and Solid Organic Materials in FY20. The treatment rates for these waste streams have not been increased since FY14 or earlier.

The permit fee is proposed to be renamed the Annual Administrative Fee to reflect that the fee covers the administrative costs of accepting a customer's waste material. For FY20, the Annual Administrative Fee is proposed to increase from \$300 to \$350 per year. The higher volumes of trucked waste delivered during peak delivery times has resulted in gas production spikes that periodically exceed the capacity of on-site power generation. In order to incentivize trucked waste delivery during off peak periods, the proposed FY20 rates for Liquid Organic Material, Protein Material and Fats, Oil and Grease (FOG) have been modified from a fixed rate to an "up to" rate. The "up to" rate might be used during peak delivery periods and lower rates could be used for off-peak. The rate for Liquid Organic Material would change from \$0.04 per gallon to up to \$0.06 per gallon. The rate for Protein Material would change from \$0.08 per gallon to up to \$0.10 per gallon. The rate for FOG would change from \$0.08 per gallon to up to \$0.12 per gallon. The updated resource recovery rates and fees for FY20 are shown in the Schedule F – Wastewater Department Rates for Resource Recovery Material Treatment (see Chapter 5).

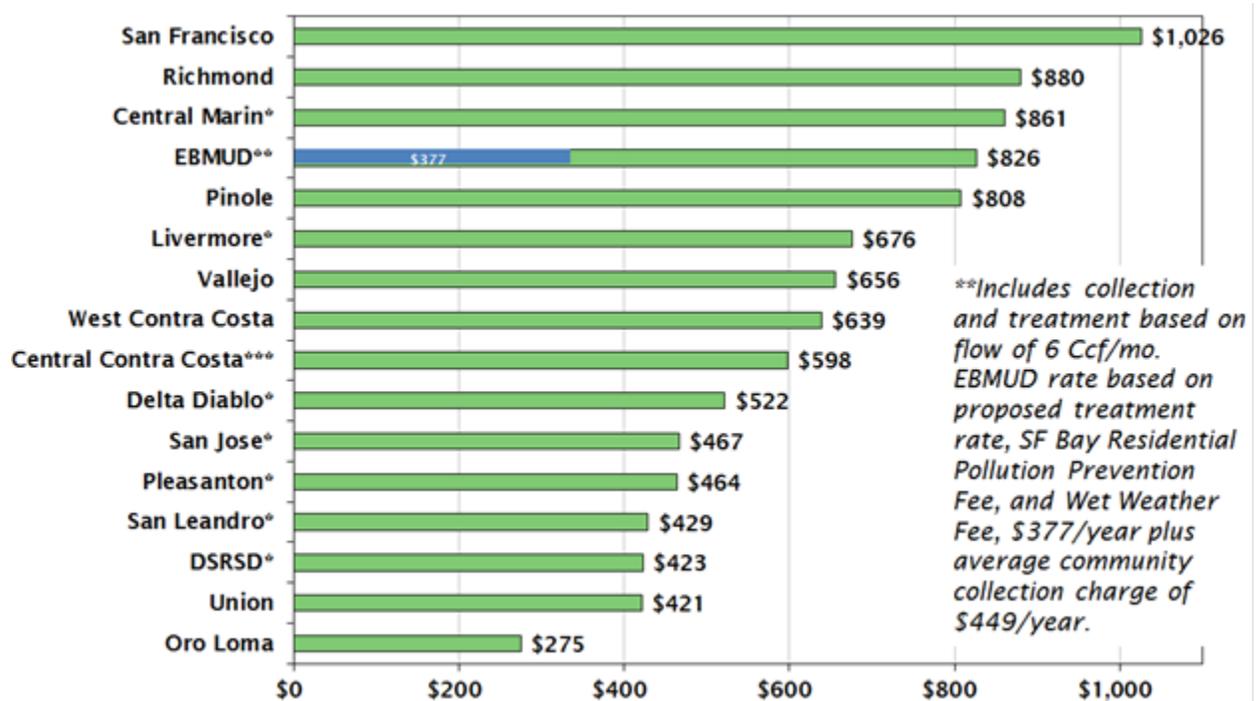
Wastewater Interceptor Connection Review and Inspection Fee

This fee was established in 2005 to recover the District's staff time required for plan review, project coordination and construction inspection of requests made by cities to modify their interceptor connections. Only cities and the Stege Sanitary District can apply for either new connections or larger connections to the District's interceptors. These projects are designed, constructed and funded by the applicants. When an applicant makes a request for a new or modified interceptor connection, District staff must review the engineering design and evaluate any potential operational or maintenance impacts of the work. Once approved, the District must coordinate and inspect the construction work of the applicant.

The current fee is \$1,750 for review and coordination plus \$2,300 for inspection for a total of \$4,050 and has not increased since 2005 when the fee was first established. Based on an analysis of the District's actual costs to perform this work, the proposed fee for FY20 is \$11,500 for review, coordination, and inspection with a lower fee of \$9,400 for each additional connection submitted under the same project with the same design and pipe sizes. The proposed FY20 fees are shown on Schedule H – Wastewater Department Interceptor Connection Review, Coordination and Inspection Fee (see Chapter 5).

Exhibit 1

COMPARATIVE RESIDENTIAL WASTEWATER CHARGES
Annual Charge for SFR – July 2019



*FY19 rates, possible rate increases for July 2019

***Proposed FY20 rates

4. Wastewater Capacity Fees

Chapter 4 – Wastewater Capacity Fees

INTRODUCTION

The Wastewater Capacity Fee (WCF) was implemented in 1987 to recover costs of providing wastewater treatment capacity for new or expanded system use. The WCF is based on a “buy-in” or an equity approach, whereby new users buy-in to a wastewater system that has adequate capacity to serve both existing demands and new growth. The wastewater system capacity is expressed in terms of wastewater flow volume (flow) and strength factors including Chemical Oxygen Demand (COD) and Total Suspended Solids (TSS).

The WCF applies to all dischargers who increase wastewater volume or strength. For example, an additional capacity fee may be required to be paid if a property is developed and connects to the wastewater system, changes use or is redeveloped and increases the volume or strength of the wastewater it discharges, or a flow review has been completed by the District that demonstrates that the volume and/or strength of the wastewater discharged from a non-residential property has significantly increased or is greater than anticipated at the time a WCF was first paid.

The WCF is calculated based on the anticipated flow contributions multiplied by the wastewater strength measured or assigned for each classification of customer and the unit capacity rates for flow and strength factors. For non-residential customers, the District may conduct a review of the actual flow and strength within 24 months of the business being fully established and discharging, to verify the estimated demand for wastewater capacity. The review may result in additional capacity fees if the actual flow and strength exceeds the original estimate.

These rates are not subject to the requirements of California Constitution article XIII D, section 6 (i.e., Proposition 218). However, they are subject to California Constitution article XIII C, section 1(e) (i.e., Proposition 26), and California Government Code section 66013, and are in full compliance with their requirements.

RECOMMENDATIONS

- Adopt the findings in the 2019 Wastewater Capacity Fee study based on the equity buy-in methodology and an updated analysis of value of the wastewater capital assets.
- Implement the WCF study recommendations to streamline the process of determining the non-residential WCF.
- Adopt Schedule G for the Wastewater Department Capacity Fees based on the 2019 WCF study for FY20.

If adopted, the changes and updates recommended for the WCF will be effective on July 1, 2019.

DISCUSSION

For the FY20 rate update, the District hired a financial rate consultant to conduct two comprehensive wastewater studies, a cost of service (COS) study of wastewater treatment service and a capacity fee study on the WCF. The equity buy-in methodology was used in determining the

updated WCF. This methodology is appropriate in instances where there is excess capacity available to serve new connections, as is the case with the District.

The concept of the equity buy-in methodology is that new connections to the system pay the same amount as existing connections have already contributed to the system. The total system value is then calculated and divided by the current loadings at treatment plant to determine unit rates for flow (\$ per hundred cubic feet (CCF)), COD (\$ per pound (lbs)), and TSS (\$ per lbs). Additionally, the consultant evaluated several approaches for streamlining the process of determining non-residential WCFs. The approach that has been selected is similar to the Water System Capacity Charge (SCC) process for new customers.

Wastewater Capacity Fee Study

As part of the buy-in methodology, the WCF study calculated the value of the existing capital facilities using replacement cost less depreciation for each capital asset. In addition, the wastewater cash reserve balance was included in the total value of the wastewater system for the buy-in methodology because these reserves have been built up over time by existing rate customers and will be used to repair or replace aging infrastructure. The outstanding principal on the existing wastewater debt has been subtracted from the total. Table 1 shows the total system value of \$702 million.

Table 1 - Total System Value

Total System Value	
Wastewater System Capital Assets Value	\$1,047,651,236
Reserve Balance	\$74,175,000
Less Total Outstanding Debt	\$420,207,400
Total System Value	\$701,618,836

The WCF study developed an allocation of the total system value to the flow, COD and TSS components of the WCF based the allocations developed for the wastewater COS study (see Table 2).

Table 2 - Total System Value Allocation

	% Allocation	Cost Allocation
Flow	40%	\$281,986,612
COD	21%	\$149,763,582
TSS	38%	\$269,868,642
Total	100%	\$701,618,836

Table 3 shows the total flow, COD and TSS loadings to the treatment plant, which was used to calculate the updated FY19 unit rates in Table 4. The proposed FY20 unit rates includes a 3.027 percent escalation for the Engineering News Record Cost Index applied to the FY19 unit rates to reflect an increase in the total system value used in the calculation of the WCF for FY20.

Table 3 - Wastewater System Capacity

Annual Treatment Plant Loadings	
Flow (CCF)	20,983,276
COD (lbs)	106,264,585
TSS (lbs)	41,790,303

Table 4 - WCF Updated FY19 Unit Rates and Proposed FY20 Unit Rates

	System Value (A)	Plant Loadings (B)	Updated FY19 Unit Rates (C)=(A)/(B)	Proposed FY20 Unit Rates	Current FY19 Unit Rates
Flow	\$281,986,612	20,983,276	\$13.44 per CCF per yr	\$13.85 per CCF per yr	\$15.99 per CCF per yr
COD	\$149,763,582	106,264,585	\$1.41 per lbs per yr	\$1.45 per lbs per yr	\$1.31 per lbs per yr
TSS	\$269,868,642	41,790,303	\$6.46 per lbs per yr	\$6.66 per lbs per yr	\$6.33 per lbs per yr

Residential Wastewater Capacity Fee

The WCF is assessed on a per dwelling unit basis for all residential connections including single family residential, 2 to 4 dwelling units multi-family residential, and 5 dwelling units and greater multi-family residential. The proposed FY20 WCF is calculated using the District's baseline residential indoor water use of 84 CCF per year and COD loadings of 374 lbs per year and TSS loadings of 157 lbs per year determined from the recent wastewater COS study on wastewater treatment service. The proposed residential WCF for FY20 is \$2,750 per dwelling unit, an increase of 5.4 percent over the current fee of \$2,610.

Non-Residential Wastewater Capacity Fee

An objective of the WCF study was to streamline the process of determining the non-residential WCF. Currently, staff completes detailed analysis of the estimated annual wastewater flow for each non-residential applicant using various parameters of the proposed facilities and operations. To streamline the process, the WCF study proposes a process similar to the Water System Capacity Charge (SCC) where non-residential applicants using meter sizes up to 1-1/2 inches will be assessed a capacity fee based on the meter size. For the WCF, in addition to the meter size, the WCF will be based on a strength category of low, medium, or high as assigned by the District. For applicants using meters sized greater than 1-1/2 inches, staff will complete an analysis of the

estimated annual wastewater flow for the proposed facilities and operations, which is similar to the process for the water system SCC.

The WCF study analyzed the annual water use for all non-residential customers and found that for meter sizes 1-1/2 inches and under, the average annual non-residential water use by meter size could be used as the estimate of the annual wastewater flow used in the calculation of the WCF for new non-residential applicants. Table 5 shows the average annual water use assigned to each meter size for the WCF.

Table 5 - Annual Wastewater Flow by Meter Size

Meter Size	Annual Wastewater Flow
5/8 inch	132 CCF
3/4 and 1 inch	347 CCF
1-1/2 inch	676 CCF

To create the strength categories for the non-residential WCF, each non-residential Business Classification Code (BCC) was placed into one of three strength categories: Low, Medium or High. Placement into these categories was determined by combining the assumed strengths for COD and TSS from the COS analysis. Table 6 shows the BCCs that are in each of the strength categories. Weighted average strengths for COD and TSS were then determined for each strength category using actual FY17 flows into the MWWTP, as shown in Table 7.

Table 6 - Low, Medium and High WCF Strength Categories

Low Strength		Medium Strength		High Strength	
BCC	Description	BCC	Description	BCC	Description
4500	Air Transportation	2088	Beverage Manufacturing & Bottling	2050	Bakeries (including Pastries)
7542	Automobile Washing and Polishing	2840	Cleaning and Sanitation Products	2020	Dairy Product Processing
7215	Coin Operated Laundromats	7210	Commercial Laundries	3410	Drum and Barrel Manufacturing
3200	Earthenware Manufacturing	2830	Drug Manufacturing	7218	Industrial Laundries
8060	Hospitals	5812	Food Service Establishments	3110	Leather Tanning and Finishing
7000	Hotels, Motels with Food Service	2030	Fruit and Vegetable Canning	2010	Meat Products
7300	Laboratories	2040	Grain Mills	2850	Paint Manufacturing
3470	Metal Coating	2893	Ink and Pigment Manufacturing	2077	Rendering Tallow
3400	Metal Products Fabricating	2810	Inorganic Chemicals Manufacturing	2090	Specialty Foods Manufacturing
3300	Primary Metals Manufacturing	2600	Pulp and Paper Products	2060	Sugar Processing
8200	Schools	2011	Slaughterhouses		
2820	Synthetic Material Manufacturing All Other Business Classification Codes (includes dischargers of only segregated domestic wastes from sanitary conveniences)				

Table 7 - Low, Medium and High Strength Categories COD and TSS Concentrations

	Low Strength	Medium Strength	High Strength
Weighted Average COD Strength (mg/l)	690	1,958	8,259
Weighted Average TSS Strength (mg/l)	262	749	820

The weighted average strengths by category and the flow by meter size were used to calculate the WCF for non-residential applicants using meter sizes up to 1-1/2 inches (see Table 8). The WCF will be calculated on a case by case basis for non-residential applicants with meter sizes greater than 1-1/2 inches using the WCF rates shown in Table 9.

Table 8 - Proposed FY20 WCF for Non-Residential up to 1-1/2 Inch Meter Size

Meter Size	Low Strength	Medium Strength	High Strength
5/8 inch	\$4,090	\$8,280	\$16,210
3/4 & 1 inch	10,760	21,750	42,610
1-1/2 inch	20,960	42,390	83,020

Table 9 - Proposed FY20 WCF Rates for Non-Residential greater than 1-1/2 Inch Meter Size

WCF Rate \$ per annual CCF		
Low Strength	Medium Strength	High Strength
\$31.01	\$62.70	\$122.81

WCF Credit for Replacing or Expanding Service

Per the District's policy, customers will receive a credit based on the WCF previously paid for service at the property. For FY20, the procedures for determining the WCF credit will be updated to be consistent with the proposed changes to the non-residential WCF process. 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 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 the diversion of water use from the sanitary sewer.

The updated Schedule G – Wastewater Department Capacity Fees is included in Chapter 5 of this report.

RECOMMENDED SCHEDULES OF RATES, CHARGES AND FEES

FY20

Water System

Schedule A – Rate Schedule for Water Service

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 J – System Capacity Charge

Schedule L – Drought Surcharge Rate Schedule for Water Service

Public Records Act Fee Schedule and District Publications Fees

Real Property Use Application Fees

Recreation Use Fees for Calendar Years 2020 and 2021

Regulations Section 12 – Non-registering and Unreadable Meters and Meter Protection

Wastewater System

Schedule A – Rates for Treatment Service

Schedule B – Wet Weather Facilities Charge

Schedule C – Industrial Permit Fees

Schedule D – Other Fees

Schedule E – Testing Fees

Schedule F – Rates for Resource Recovery Material Treatment

Schedule G – Capacity Fees

Schedule H – Interceptor Connection Review, Coordination and Inspection Fee

Schedule A

Rate Schedule for Water Service

FY20



SCHEDULE A – RATE SCHEDULE FOR WATER SERVICE

EFFECTIVE ~~07/01/18~~ 07/01/19

A. ONE 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	\$24.63	<u>\$26.23</u>
1 inch	37.20	<u>39.62</u>
1-1/2 inch	68.65	<u>73.11</u>
2 inch	106.36	<u>113.27</u>
3 inch	206.96	<u>220.41</u>
4 inch	320.13	<u>340.94</u>
6 inch	634.43	<u>675.67</u>
8 inch	1,011.64	<u>1,077.40</u>
10 inch	1,451.69	<u>1,546.05</u>
12 inch	2,017.52	<u>2,148.66</u>
14 inch	2,583.30	<u>2,751.21</u>
16 inch	3,274.84	<u>3,487.70</u>
18 inch	3,966.36	<u>4,224.17</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 ~~07/01/18~~ 07/01/19

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>	WATER FLOW CHARGE PER <u>UNIT</u> 100 CU. FT.	
Single Family Residential Accounts:		
For the first 172 gpd	\$3.76	<u>\$4.00</u>
For all water used in excess of 172 gpd, up to 393 gpd	5.17	<u>5.51</u>
For all water used in excess of 393 gpd	6.83	<u>7.27</u>
Multiple Family Residential Accounts:		
For all water used	5.31	<u>5.66</u>
All Other Water Use:		
For all water used	5.29	<u>5.63</u>

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 CHARGE PER <u>UNIT</u> 100 CU. CT.	
For all water used	\$4.12	<u>\$4.39</u>



SCHEDULE A – RATE SCHEDULE FOR WATER SERVICE

EFFECTIVE ~~07/01/18~~ 07/01/19

B. 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	\$49.26	<u>\$52.46</u>
1 inch	74.40	<u>79.24</u>
1-1/2 inch	137.30	<u>146.22</u>
2 inch	212.72	<u>226.54</u>
3 inch	413.92	<u>440.82</u>
4 inch	640.26	<u>681.88</u>
6 inch	1,268.86	<u>1,351.34</u>
8 inch	2,023.28	<u>2,154.80</u>
10 inch	2,903.38	<u>3,092.10</u>
12 inch	4,035.04	<u>4,297.32</u>
14 inch	5,166.60	<u>5,502.42</u>
16 inch	6,549.68	<u>6,975.40</u>
18 inch	7,932.72	<u>8,448.34</u>

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 ~~07/01/18~~ 07/01/19

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

<u>Potable Water Service</u>	WATER FLOW CHARGE PER <u>UNIT</u> 100 CU. FT.	
Single Family Residential Accounts:		
For the first 172 gpd	\$3.76	<u>\$4.00</u>
For all water used in excess of 172 gpd, up to 393 gpd	5.17	<u>5.51</u>
For all water used in excess of 393 gpd	6.83	<u>7.27</u>
Multiple Family Residential Accounts:		
For all water used	5.34	<u>5.66</u>
All Other Water Use:		
For all water used	5.29	<u>5.63</u>

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 CHARGE PER <u>UNIT</u> 100 CU. CT.	
For all water used	\$4.12	<u>\$4.39</u>

C. 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 ~~07/01/18~~ 07/01/19

D. PRIVATE FIRE SERVICES

Effective July 1, 2005, 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 CHARGE AMOUNT	
5/8 and 3/4 inch	\$13.11	<u>\$13.96</u>
1 inch	18.01	<u>19.18</u>
1-1/2 inch	30.20	<u>32.16</u>
2 inch	44.84	<u>47.75</u>
3 inch	83.92	<u>89.37</u>
4 inch	127.85	<u>136.16</u>
6 inch	249.92	<u>266.16</u>
8 inch	396.39	<u>422.16</u>
10 inch	567.27	<u>604.14</u>
12 inch	786.97	<u>838.12</u>
14 inch	1,006.69	<u>1,072.12</u>
16 inch	1,275.25	<u>1,358.14</u>
18 inch	1,543.78	<u>1,644.13</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~~100 cu. ft.~~:

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 ~~07/01/18~~ 07/01/19

E. ELEVATION SURCHARGE

Elevation Designator	AMOUNT PER <u>UNIT</u> 100 CU. FT.	
<u>Pressure Zone 1: Elevation Designator</u> 0 and 1	\$0.00	
<u>Pressure Zone 2: Elevation Designator</u> 2 through 5	0.76	<u>0.81</u>
<u>Pressure Zone 3: Elevation Designator</u> 6 and greater	1.58	<u>1.68</u>

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 B

Account Establishment Charge

FY20



SCHEDULE B – ACCOUNT ESTABLISHMENT CHARGE

EFFECTIVE ~~07/01/18~~ 07/01/19

The charge for establishing a new account or the transfer of an account for a customer moving from one address to another is \$~~56.00~~ 57.00 with the following exceptions:

- Customers in the Customer Assistance Program shall be charged \$28.00.
- Landlords requiring temporary water service for a period not to exceed 60 days shall be charged \$28.00, 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.
- Upon completion of the on-line account establishment system, the charge for establishing a new account or the transfer of an account moving from one address to another on EBMUD's website over the Internet for a single family residence customer is \$~~40.00~~ 41.00.

Schedule C

Charges for Special Services

FY20



SCHEDULE C – CHARGES FOR SPECIAL SERVICES

EFFECTIVE ~~07/01/18~~07/01/19

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"	\$63.00 <u>65.00</u>
1-1/2" and 2"	\$63.00 <u>65.00</u> On Site \$141.00 <u>145.00</u> Pull/Test
3" and larger	\$282.00 <u>291.00</u> On Site Actual Cost Pull and Test

B. SERVICE INTERRUPTION

The charge for shutting off water service due to non-payment of a water bill is ~~\$48.00~~49.00

The charge for restoring service after payment has been received during regular office hours is ~~\$48.00~~49.00

The charge for restoring service between 5 p.m. and 8 a.m. or on Saturday, Sunday or on a holiday is ~~\$66.00~~67.00

An additional charge to lock or plug the meter due to non-payment or unauthorized water use is

S-Lock	\$61.00 <u>62.00</u>
Plug	\$414.00 <u>422.00</u>

A service trip charge of ~~\$48.00~~49.00 shall be paid in the event of the following occurrences in the field: 1) ~~payment collection~~; 2) payment extension; and ~~3~~2) 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 \$26.00 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 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 dwelling units.



SCHEDULE C – CHARGES FOR SPECIAL SERVICES

EFFECTIVE ~~07/01/18~~07/01/19

-
- | | |
|---|--|
| 1. Lien Filing Fee | \$ 140 <u>141</u> per lien (<u>in Alameda County</u>)

<u>\$117 per lien (in Contra Costa County)</u> |
| 2. Lien Removal Fee | \$ 408 <u>103</u> (in Alameda County) and \$ 404 <u>94</u> (in Contra Costa County) for first lien removed

\$ 50 <u>51</u> (in Alameda County) and \$ 43 <u>42</u> (in Contra Costa County) for each additional lien removed at the same time |
| 3. Property Tax Transfer Fee Unpaid Charges with Liens Recorded | \$21 plus county auditor’s fee (1.7% of collected amount for Alameda County; \$3 per parcel for Contra Costa County) |

E. PROHIBITED WATER USE CHARGE

A charge of \$~~48.00~~49.00 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 continues 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” | \$ 119.00 <u>122.00</u> |
| 1” | \$ 119.00 <u>122.00</u> |
| 1-1/2” | \$ 256.00 <u>262.00</u> |
| 2” | \$ 256.00 <u>262.00</u> |

2. All others –

The charges for installing flow-restricting devices on water services, other than those in the above schedule, shall be the actual cost of installing the device, as determined by the District, including engineering, equipment, material, labor and related overhead expenses.

G. NOTICE OF PROHIBITED WATER USE AND FLOW-RESTRICTOR CHARGES

For the purposes of Sections E and F above, written notification shall:



SCHEDULE C – CHARGES FOR SPECIAL SERVICES

EFFECTIVE ~~07/01/18~~07/01/19

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) ~~\$56.00~~57.00
2. The charge for District staff to conduct a *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 ~~\$128.00~~131.00/hr.
3. The charge for backflow testers to be placed on the District's list of certified testers ~~\$156.00~~159.00

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 to cover the District's costs pursuant to the termination and restoration of service ~~\$496.00~~506.00

K. LATE PAYMENT PENALTY AND INTEREST

For those customers with outstanding overdue balances exceeding \$10 at billing, a charge equivalent to 1.5% 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 is ~~\$58.00~~59.00

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 ~~07/01/18~~07/01/19

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 ~~\$58.00~~\$59.00

M. SERVICE TRIP CHARGE

The charge for District staff to perform special services for customers is ~~\$48.00~~\$49.00

The charge shall be applied for, but is not limited to the following:

- ~~1. Payment collection in the field;~~
- ~~2.1.~~ 1. Payment extension in the field;
- ~~3.2.~~ 2. 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;
- ~~4.3.~~ 3. 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
- ~~5.4.~~ 4. Field inspections conducted at the customer's request.

N. PUBLIC HYDRANT METER ACCOUNT ESTABLISHMENT CHARGES

Customers can 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 ~~\$115.00~~\$118.00

The charge to renew a hydrant meter account at the end of a 12-month period is ~~\$115.00~~\$118.00

If a field stop is required to establish a new account, a ~~\$230~~\$235 site visit charge shall be paid in addition to the ~~\$115~~\$118 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 ~~\$230.00~~\$235.00

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

FY20



SCHEDULE D – WATER SERVICE INSTALLATION CHARGES

EFFECTIVE ~~07/01/18~~ 07/01/19

A. INSTALLING A SERVICE

The charge for installing a water service, other than a private fire service, will be in accordance with the following schedule:

1. FOUR INCHES AND SMALLER

a. Regular Services (1 meter per lateral)

LATERAL SIZE	INSTALLED IN PAVED CONDITIONS	INSTALLED IN UNPAVED CONDITIONS
1" Lateral with 1" and under meter	\$7,100 <u>8,140</u>	\$2,336 <u>3,594</u>
1-1/2" Lateral with 1-1/2" and under meter	9,650 <u>12,247</u>	5,126 <u>6,958</u>
2" Lateral with 2" and under meter	9,650 <u>12,247</u>	5,126 <u>6,958</u>
3" Lateral with 3" and under meter	28,748 <u>31,534</u>	23,818 <u>23,922</u>
4" Lateral with 4" and under meter	28,748 <u>31,534</u>	23,818 <u>23,922</u>

Cost to install services with 6" laterals and larger will be calculated on an actual cost basis.

b. Branch Services (2 or more meters per lateral)

METER SIZE	# OF METERS	INSTALLED IN PAVED CONDITIONS	INSTALLED IN UNPAVED CONDITIONS
5/8" Meters	2	\$7,534 <u>8,559</u>	\$3,965 <u>4,598</u>
	3	9,437 <u>12,170</u>	5,313 <u>7,054</u>
	4	9,746 <u>12,526</u>	5,623 <u>7,400</u>
	5	10,670 <u>13,189</u>	6,145 <u>7,851</u>
	6	10,978 <u>13,544</u>	6,454 <u>8,196</u>
	7	11,287 <u>13,900</u>	6,762 <u>8,541</u>
	8	11,595 <u>14,255</u>	7,071 <u>8,886</u>
	1" Meters	2	9,274 <u>11,916</u>
3		9,659 <u>12,309</u>	5,536 <u>7,045</u>
4		10,041 <u>12,701</u>	5,917 <u>7,426</u>

¹Requires steel pipes



SCHEDULE D – WATER SERVICE INSTALLATION CHARGES

EFFECTIVE ~~07/01/18~~ 07/01/19

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 ~~\$517.00~~ \$532.00 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.

2. ALL OTHERS

The charge for installing all water services other than those in the above schedule shall be the actual cost of installing the service, as determined by the District, including engineering, equipment, material, labor and related overhead expenses.

B. COST OF INCREASING METER SIZE (Up to available capacity on existing lateral)

<u>1" Tap and Lateral</u>	(Additional charge of \$600 if concrete replacement required) \$870 <u>1,001</u>
<u>1-1/2" Tap and Lateral</u>	(Additional charge of \$600 if concrete replacement required)
Up to 1-1/2"	\$870 <u>1,001</u>
<u>2" Tap and Lateral</u>	(Additional charge of \$600 if concrete replacement required)
Up to 2"	\$1,172 <u>1,207</u>
<u>4" Tap and Lateral</u>	(Additional charge of \$600 if concrete replacement required)
Up to 2"	\$1,172 <u>1,207</u>
<u>4" Tap and Lateral</u>	(Additional charge of \$600 if concrete replacement required)
Up to 4"	\$6,221 <u>6,453</u>



SCHEDULE D – WATER SERVICE INSTALLATION CHARGES

EFFECTIVE ~~07/01/18~~ 07/01/19

C. COST OF REDUCING METER SIZE (Additional charge of \$600 if concrete replacement required)

1", 1-1/2" and
2" Laterals to smaller meter ~~\$853~~916

3" and 4"
Laterals to smaller meter ~~2,503~~2,816

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 ~~\$2,292~~2,342.
2. 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. RESETTING OR REPLACING A METER

There will be a charge equivalent to 5% of the water service installation charge for resetting a meter on an existing service connection.

There will be a charge equivalent to 5% 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

(Multi-metering, when feasible)

Branch Conversion ~~\$2,674~~2,745 for two meter conversion, ~~\$381~~397 for each additional meter
(Additional charge of \$600 if concrete replacement is required)

G. SERVICE ELIMINATIONS

3/4" to 2" ~~\$1,739~~2,053 (Additional charge of \$600 if concrete replacement required)

3" to 12" ~~3,879~~3,980 (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 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 actual cost of all engineering, material, equipment, labor and related overhead expenses incidental to the installation.

Schedule E

Private Fire Service Installation Charges

FY20



SCHEDULE E – PRIVATE FIRE SERVICE INSTALLATION CHARGES

EFFECTIVE ~~07/01/18~~ 07/01/19

A. INSTALLING A PRIVATE FIRE SERVICE

The charge for installing a private fire service will be in accordance with the following schedule:

SIZE	INSTALLED IN PAVED CONDITIONS	INSTALLED IN UNPAVED CONDITIONS
4"	\$22,536 <u>25,242</u>	\$17,844 <u>17,649</u>
6"	23,786 <u>26,506</u>	19,043 <u>18,907</u>
8"	29,699 <u>29,344</u>	19,043 <u>18,907</u>

Cost to install 2" and smaller is shown in Schedule D – Water Service Installation Charges, Section A.1 – Installing a Service, Four Inches and Smaller.

Cost to install 10" and larger will be calculated on an actual 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 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 actual cost of all engineering, material, equipment, labor and related overhead expenses incidental to the installation.

Schedule F

Public Fire Hydrant Installation Charges

FY20



SCHEDULE F – PUBLIC FIRE HYDRANT INSTALLATION CHARGES

EFFECTIVE ~~07/01/18~~ 07/01/19

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 ~~\$19,034~~ \$24,030 in pavement and ~~\$12,722~~ \$13,879 in dirt.

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 ~~\$3,731.00~~ \$3,918
- 2. Material charge for services laterals ~~\$21.00~~ \$22.00 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 concrete sidewalk ~~\$3,879.00~~ \$3,980
- 2. The charge to remove a hydrant located in dirt ~~\$2,395.00~~ \$2,457

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 \$9,303. 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 ~~\$1,761.00~~ \$1,834

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 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 actual cost of all engineering, material, equipment, labor and related expenses incidental to the installation.

Schedule G

Water Main Extension Charges

FY20



SCHEDULE G – WATER MAIN EXTENSION CHARGES

EFFECTIVE ~~07/01/18~~ 07/01/19

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 dirt 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 ~~\$4,019.00~~ 4,107
plus,

Linear foot charge, for combined length of main extension and fire hydrant lateral of 0 to 1,000 feet:

In dirt streets

2-inch PVC pipe	\$141.00 <u>174.00</u> per foot
2-inch Copper pipe	164.00 <u>203.00</u> per foot
6-inch/8-inch PVC or HDPE pipe	217.00 <u>272.00</u> per foot
6-inch/8-inch Steel pipe	255.00 <u>315.00</u> per foot
12-inch HDPE pipe	279.00 <u>370.00</u> per foot
12-inch Steel pipe	324.00 <u>416.00</u> per foot

In paved streets

2-inch PVC pipe	\$231.00 <u>286.00</u> per foot
2-inch Copper pipe	254.00 <u>314.00</u> per foot
6-inch/8-inch PVC or HDPE pipe	311.00 <u>380.00</u> per foot
6-inch/8-inch Steel pipe	344.00 <u>421.00</u> per foot
12-inch HDPE pipe	369.00 <u>477.00</u> per foot
12-inch Steel pipe	414.00 <u>523.00</u> per foot

- b. The above charges apply to all District-installed mains except when there are unusual or special conditions which, in the opinion of the District, would result in the need for additional services and materials, including hydraulic analysis, property rights evaluation, site conditions or contaminated soil. In such cases, the additional charge will be based on the District’s actual cost of all engineering, material, equipment, labor and related overhead expenses incidental to the installation.

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:



SCHEDULE G – WATER MAIN EXTENSION CHARGES

EFFECTIVE ~~07/01/18~~ 07/01/19

- a. Basic installation charge of ~~\$4,019.00~~ 4,107 plus
 Linear foot charge of:
 - 6-inch/8-inch diameter pipe ~~\$41.00~~ 49.00 per foot
 - 12-inch diameter pipe ~~\$47.00~~ 57.00 per foot
 - 16-inch and larger diameter pipe See B, 3 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 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 additional charge will be based on the District’s actual cost of all engineering, material, equipment, labor and related overhead 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.

- 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 J

System Capacity Charge

FY20



SCHEDULE J – SYSTEM CAPACITY CHARGE (SCC)

EFFECTIVE ~~08/13/18~~ 07/01/19

A. SCC FOR STANDARD SERVICE¹

The SCC is calculated based on the applicant's projected average annual demand.

1. Non-Residential Service Connections SCC² for meters up to 1-1/2 inches (dollars per connection)

METER SIZE (INCHES)	REGION ³		
	1	2	3
5/8	\$25,850	\$46,590	\$43,140
3/4	38,780	69,890	64,710
1	64,760	116,720	108,070
1-1/2	129,520	233,440	216,140

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 ~~larger~~ meters larger than 1-1/2 inch see Section 3 below.

2. Single Family Service Connections ~~(SCC)²²~~ with typical use demand patterns that can be served by meters up to 1-1/2 inches (dollars per connection)

METER SIZE (INCHES)	REGION ³		
	1	2	3
3/4	\$18,100	\$31,350	\$40,040
1	30,230	52,350	66,870
1-1/2	60,460	104,700	133,740

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



SCHEDULE J – SYSTEM CAPACITY CHARGE (SCC)

EFFECTIVE ~~08/13/18~~ 07/01/19

assess the SCC using this 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. ~~see Section 3 below.~~

¹This charge covers the cost of System-wide Facilities Buy-in, Regional Facilities Buy-in and Future Water Supply.

²The 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 ~~charged in~~ 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).

³REGION GENERAL DESCRIPTION

- 1 Central Area (gravity zones West-of-Hills)
El Sobrante and North (pumped zones)
- 2 South of El Sobrante to vicinity of Highway 24 (pumped zone)
South from vicinity of Highway 24 (pumped zones)
Castro Valley Area (pumped zones)
North Oakland Hill Area (pumped zones, formerly 4A)
- 3 Orinda-Moraga-Lafayette Area (pumped zones)
San Ramon Valley and Walnut Creek (pumped and gravity zones)

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	\$2,185
Future Water Supply ⁴	2,099



SCHEDULE J – SYSTEM CAPACITY CHARGE (SCC)

EFFECTIVE ~~08/13/18~~ 07/01/19

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	\$2,179
2	n/a	4,424
3	n/a	2,619
3C	\$7,099	1,965
3D	7,099	1,965

In no instance will the SCC for a meter larger than 1-1/2 inches be less than the 1-1/2 inch price 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, rounded to three significant places.

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) ~~a meter larger than 1-1/2 inches is appropriate~~, the SCC shall be calculated pursuant to this subdivision ~~shall apply~~ irrespective of the arrangement of water metering or meter size at the premises.

⁴The Future Water Supply component for Region 3C is based on 1993 agreement (see Section B1).

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. For purposes of this Schedule J, "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.

Multi-Family Premises			
Dollars per Dwelling Unit (DU)			
	REGION ⁵		
	1	2	3
For each Dwelling Unit	\$10,530	\$14,630	\$13,740

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 in the immediate area contiguous to the



SCHEDULE J – SYSTEM CAPACITY CHARGE (SCC)

EFFECTIVE ~~08/13/18~~ 07/01/19

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.

An SCC 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, 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.

⁵Same regions as described in A.2.

B. SEPARATE SCC FOR STANDARD SERVICE FOR ADDITIONAL REGIONS⁶

The System Capacity Charge for non-residential and 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 (INCHES)	ADDITIONAL REGION ⁷	
	3C ⁸	3-D
5/8	n/a	\$103,450
3/4	n/a	155,180
1	n/a	259,150
1-1/2	n/a	518,300

For service connections with larger meters see Section 3 below.

2. Single-family service connections shall be as follows (dollars per connections)

METER SIZE (INCHES)	ADDITIONAL REGION ⁷	
	3C ⁸	3-D
3/4	\$91,930	\$103,450
1	153,520	172,760
1-1/2	307,040	345,520

For service connections with larger meters see Section 3 below.



SCHEDULE J – SYSTEM CAPACITY CHARGE (SCC)

EFFECTIVE ~~08/13/18~~ 07/01/19

⁶This 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.

⁷ 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)

⁸The 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.

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. For purposes of this Schedule J, “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.

Multi-Family Premises		
Dollars per Dwelling Unit		
	ADDITIONAL REGIONS ⁹	
	3-C	3-D
For each Dwelling Unit	\$35,470	\$36,310

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 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 do not apply to the requirements listed below.

An SCC 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, golf courses, community clubhouse and recreational facilities, and



SCHEDULE J – SYSTEM CAPACITY CHARGE (SCC)

EFFECTIVE ~~08/13/18~~ 07/01/19

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.

⁹Same regions as described in B.1.

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.

If additional dwelling units are constructed on premises subsequent to the installation of service and payment of an SCC under B.1, 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 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.1 and A.2 –



SCHEDULE J – SYSTEM CAPACITY CHARGE (SCC)

EFFECTIVE ~~08/13/18~~ 07/01/19

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 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 combination standard and fire 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.

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 landscape exceeds the threshold for a dedicated irrigation meter 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 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 ~~08/13/18~~ 07/01/19

J. NONPOTABLE WATER SERVICE

1. Nonpotable Water Service Connections (dollars per connection)

METER SIZE (INCHES)	REGION		
	1	2	3
5/8	\$8,400	\$11,230	\$13,120
3/4	12,590	16,840	19,680
1	21,030	28,130	32,860
1-1/2	42,060	56,260	65,720

All SCC 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 from Section J.1 above.

K. DUAL STANDARD SERVICES

An SCC shall be applicable for separate meters installed to provide dual (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, or the replacement meter is larger than



SCHEDULE J – SYSTEM CAPACITY CHARGE (SCC)

EFFECTIVE ~~08/13/18~~07/01/19

initially determined, or 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 L

Drought Surcharge Rate Schedule for Water Service

FY20



SCHEDULE L – DROUGHT SURCHARGE RATE SCHEDULE FOR WATER SERVICE

EFFECTIVE 07/12/17

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 ¹ in 4 Stages			
	Stage 1	Stage 2	Stage 3	Stage 4
All potable water flow charges	0%	8%	20%	25%

¹Drought 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 listed in this Schedule.

**Public Records Act Fee Schedule and
District Publications Fees**

FY20



PUBLIC RECORDS ACT FEE SCHEDULE

EFFECTIVE ~~07/12/17~~ 07/01/19

INTRODUCTION

The following ~~f~~Fee ~~s~~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, or by calling (510) 287-0404.

CHARGES

Pursuant to the Public Records Act, the District may recover the “direct cost 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 in order to make the equipment operational.
- Labor costs ordinarily include the pro rata salary ~~and benefits~~ 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 ~~housed in the District Library or in other areas~~ are charged at the same rate as District documents.

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 the actual cost of duplication by the outside vendor.

PAYMENT

For requests estimated to cost over \$100 in duplication 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).



PUBLIC RECORDS ACT FEE SCHEDULE

EFFECTIVE ~~07/12/17~~ 07/01/19

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 ~~F~~fee ~~S~~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. Audio Cassette Tapes~~
 - ~~D~~C. Compact Disks (CDs)
 - ~~E~~D. Digital Versatile Disks (DVDs)

Fees for document types/requests not covered herein will be provided upon request.



PUBLIC RECORDS ACT FEE SCHEDULE

EFFECTIVE ~~07/12/17~~ 07/01/19

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 District.

Fee = Labor Cost (\$~~0.56~~0.59 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 charge at the rate of \$~~0.56~~0.59 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.
- Material & 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

8-1/2 x 11	\$0.09/page
11 x 17	0.17/page

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.

8-1/2 x 11	\$0.50/page
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PUBLIC RECORDS ACT FEE SCHEDULE

EFFECTIVE ~~07/12/17~~ 07/01/19

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-maps 250' scale (11 x 17) includes Map View prints	\$0.99/map
Map Book Covers	\$38.64/cover

C. BID DOCUMENTS FOR PUBLICLY BID PROJECTS

Copies of plans and specifications for publicly bid construction projects are available through the District's Specifications, Cost Estimating, and Engineering Standard Records (ESR) 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 Specification's Clerk. Federal Express service is available if the requestor supplies a Federal Express account number.

Contract documents are also available for viewing and downloading [online at from EBMUD's public website: www.ebmud.com](#); via the "Business [Center Opportunities](#)" and "[Construction Bid Opportunities](#)" [Link](#).



PUBLIC RECORDS ACT FEE SCHEDULE

EFFECTIVE ~~07/12/17~~ 07/01/19

Copies of CD-ROM versions of contract documents in Adobe Acrobat format are available free of charge from the Specifications Clerk at 510-287-1040.

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 the 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 ~~requester~~ requestor seeks a record that already exists on the 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 (~~\$0.56~~ \$0.59 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 of B-maps

Cost of Media	
CD	\$3.05
DVD	6.35
Electronic Transfer	N/C



PUBLIC RECORDS ACT FEE SCHEDULE

EFFECTIVE ~~07/12/17~~ 07/01/19

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

*These 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

B. RECORDS THAT DO NOT ALREADY EXIST

When a requestor seeks records that do not currently exist on the 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 (~~\$1.05~~ 1.11 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.

NOTE – we no longer use cassette tapes.



PUBLIC RECORDS ACT FEE SCHEDULE

EFFECTIVE ~~07/12/17~~ 07/01/19

~~C. AUDIO CASSETTE TAPES~~

~~Regular meetings of the Board of Directors are recorded on audiotape. Copies of recordings of Regular meetings of the Board of Directors are available upon request and can be provided on compact disc or digital versatile disc.~~ tapes are available upon request.

~~Fee = Labor Cost (\$0.56 per minute duplicating time)
Cost per tape (90-minute cassette tape = \$1.68/tape)
+ Postage (if applicable)~~

DC. COMPACT DISCS (CDs)

Fee = Labor Cost (\$~~0.56~~ 0.59 per minute duplicating time)
Cost per disc (CD-R Disc, Write-Once, 700 MB, 80 Minute, 52X = \$3.05/disc)
+ Postage (if applicable)

ED. DIGITAL VERSATILE DISCS (DVDs)

Fee = Labor Cost (\$~~0.56~~ 0.59 per minute duplicating time)
Cost per disc (DVD+R, 16X, Single Sided, 4.7 GB/120 Minutes = \$6.355/disc)
+ Postage (if applicable)



PUBLIC RECORDS ACT FEE SCHEDULE

EFFECTIVE ~~07/12/17~~ 07/01/19

DISTRICT PUBLICATION FEES

Fee = Cost of publication (see below)
+ Sales tax
+ Postage (if applicable)

Municipal Utility District Act	\$5.15
Rules and Regulations (Customer Service Book)	\$8.12
Water Conserving Plants and Landscape for the Bay Area (Water Conservation Section)	
1 – 4 copies (EBMUD pickup)	\$12.00
1 – 4 copies (mailed)	\$15.00
5 or more copies	\$11.00
Its Name Was MUD	\$18.00

~~Educational Materials (Outside of District's Service Area)~~

Teacher's Guides	
 1 – 50 copies	\$2.00 each
 51 – 1,500 copies	\$1.75 each
Student Workbooks	
 1 – 5,000 copies	\$0.50 each
 5,001 – 50,000 copies	\$0.43 each
Captain Hydro Posters	
 1 – 1,000 copies	\$0.70 each
 1,001 and up	\$0.50 each

Plants and Landscapes for Summer Dry Climates of the San Francisco Bay Region

Soft cover	\$34.95 each
 District customer and employee	\$24.95 each
Hardcover	\$49.95 each
District customer <u>s</u> and employee <u>s</u>	\$29.95 each
Wholesalers	up to 60% discount
Vendors	up to 50% discount

Real Property Use Application Fees

FY20



REAL PROPERTY USE APPLICATION FEES

EFFECTIVE ~~07/01/18~~ 07/01/19

TYPE OF USE	APPLICATION FEE
Fee Title (<i>Outright purchase of District property</i>) Properties for Sale Unsolicited	\$2,200.00 12,700.00 <u>13,000</u>
Easement (<i>Rights for permanent use of District property, such as access, utilities, etc.</i>) Utility Type Other	2,200.00 5,900.00 <u>6,100</u>
Quitclaim (<i>Removal of District's right, title and interest to property</i>) Pipe Abandonment Other	1,100.00 2,400.00 <u>2,500</u>
Revocable License (<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>)	1,700.00 <u>1,800.00</u>
Lease (<i>The right to occupy and use District land for a specified time period</i>)	2,200.00
Telecommunication Lease (<i>Long-term lease for PCS, cellular and/or radio uses</i>)	3,700.00 <u>3,800.00</u>
Information-Only (<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>)	140.00/hr
Processing and Review of Watershed Land Use Proposals <i>(Request for District to perform a formal evaluation of watershed land use proposal)</i>	140.00/hr (plus all other District costs)
Property Entry Permits, Rights of Entry Permits (<i>Permission for temporary access onto District</i>)	310.00 <u>330.00</u>
Limited Land Use Permit (<i>Allows landscaping, gardening or other minor surface use of District property, subject to annual renewal</i>)	120.00
Temporary Construction Easement/Encroachment Permit <i>(Permission for temporary access onto District)</i> Open Land, No District Facilities With District Facilities	650.00 <u>660.00</u> 2,300.00 <u>2,400.00</u>
Survey Costs if needed (<i>Application use fees listed above do not include survey costs if needed</i>)	150.00/hr



REAL PROPERTY USE APPLICATION FEES

EFFECTIVE ~~07/01/18~~ 07/01/19

<u>TYPE OF USE (Continued)</u>	<u>APPLICATION FEE</u>
<u>Long Term Encroachment Permit</u>	<u>\$22,000.00</u>

Recreation Use Fees
Calendar Years 2020 and 2021



RECREATION USE FEES FOR 2020 & 2021

January – December 2020¹

January – December 2021¹

EFFECTIVE 01/01/20

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 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 in order to attract new customers and/or 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.

¹Fee 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 2020 & 2021

January – December 2020

January – December 2021

EFFECTIVE 01/01/20

CAMANCHE HILLS HUNTING PRESERVE	<u>Current CY19</u>	<u>Proposed CY20</u>	<u>Proposed CY21</u>
PRESERVE LICENSE (QUANTITY PRICE BREAK)			
PRESERVE LICENSE:			
Initiation Fee (Family)	\$3,195.00	<u>\$3,495.00</u>	\$3,495.00
Initiation Fee (Corporate)	3,195.00	<u>\$3,495.00</u>	\$3,495.00
Annual Maintenance (Family)	300.00	300.00	300.00
Annual Maintenance (Corporate)	500.00	<u>600.00</u>	600.00
LICENSED GUIDE GOOSE HUNT (PER PERSON/HUNT)	200.00	200.00	200.00
BIRD PROCESSING: (PRICE PER EACH)			
Pheasant	4.00	4.00	4.00
Chukar	4.00	4.00	4.00
20-bird card (pheasant and chukar) for 20	70.00	70.00	70.00
Duck	4.50	4.50	4.50
Goose	10.00	10.00	10.00
Smoking (all birds)	5.00	<u>6.00</u>	6.00
DOG RENTAL			
Half Day	75.00	75.00	75.00
Full Day	140.00	140.00	140.00
Special Hunt	140.00	140.00	140.00
SPORTING CLAYS			
Full Round Course (100 targets)	40.00	40.00	40.00
Half Round Course (50 targets)	22.00	22.00	22.00
25 targets (5-Stand/Grouse bunker)	9.00	9.00	9.00
5 targets (Skeet/trap)	6.00	6.00	6.00
ARCHERY RANGE AND COURSE			
7 Station 3-D Target Course			
Per person	10.00	10.00	10.00
Per pair	18.00	18.00	18.00
Per group (max 4)	34.00	34.00	34.00
FISHING ACCESS TO RABBIT CREEK ARM OF CAMANCHE LAKE AND FARM PONDS LOCATED ON CHHP RECREATIONAL AREA			
Public Fishing Access	10.00	10.00	10.00
CHHP Members Access	5.00	5.00	5.00
FISHING ACCESS TO RABBIT CREEK ARM OF CAMANCHE LAKE			
Public Fishing Access: Bow for Carp	10.00	10.00	10.00



RECREATION USE FEES FOR 2020 & 2021

January – December 2020

January – December 2021

EFFECTIVE 01/01/20

**CAMANACHE HILLS HUNTING PRESERVE
(continued)**

	<u>Current CY19</u>	<u>Proposed CY20</u>	<u>Proposed CY21</u>
<u>RV Parking Area</u>			
Nightly	\$6.00	\$6.00	\$6.00
Clubhouse Rental (daily)	500.00	500.00	500.00
Kitchen Rental (daily)	500.00	500.00	500.00
Grounds (daily)	500.00	500.00	500.00

**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 2020 & 2021
January – December 2020
January – December 2021
 EFFECTIVE 01/01/20

CAMANCHE RESERVOIR – NORTH SHORE AND SOUTH SHORE RECREATION AREAS	<u>Current CY19</u>	<u>Proposed CY20</u>	<u>Proposed CY21</u>
VEHICLE ENTRY/PARKING			
CAR/MOTORCYCLE/SMALL VAN			
Daily	\$13.50	<u>\$14.50</u>	<u>\$15.00</u>
Daily, after 3:00pm weekdays except Memorial Day, Independence Day, and Labor Day	10.50	<u>11.50</u>	<u>12.00</u>
Daily (Off-season)	9.00	<u>10.00</u>	<u>10.50</u>
Nightly (non-camping)	13.50	<u>14.50</u>	<u>15.00</u>
Annual (12 consecutive months)	175.00	<u>195.00</u>	<u>205.00</u>
Combined Car/Boat Daily	17.00	<u>17.50</u>	17.50
Combined Car and Boat 5 Use Card (Off- season)	65.00	<u>67.50</u>	67.50
Combined Car and Boat 5 Use Card, after 3:00 p.m. weekdays	40.00	<u>42.50</u>	42.50
Annual Marina Overnight/Day Use (12 consecutive months)	225.00	<u>240.00</u>	240.00
VEHICLE ENTRY/PARKING LARGE VANS AND BUSES			
Large Vans – 10-20 Passengers	19.00	<u>22.00</u>	<u>23.00</u>
Buses – 21+ Passengers	36.00	<u>42.00</u>	<u>44.00</u>
DOG			
Daily (<u>Fee charged each day in park</u>)	5.50	<u>5.75</u>	<u>6.00</u>
Annual (12 consecutive months concurrent with Annual Parking Pass)	35.00	<u>45.00</u>	<u>50.00</u>
BOAT LAUNCH			
Daily (<u>Fee charged each day in park</u>)	12.00	<u>12.50</u>	<u>13.00</u>
Daily (Off-season) (<u>Fee charged each day in park</u>)	9.00	<u>9.50</u>	<u>10.00</u>
Night (<u>Fee charged each day in park</u>)	12.00	<u>12.50</u>	<u>13.00</u>
Annual (12 consecutive months)	165.00	<u>170.00</u>	<u>175.00</u>
Senior/Disabled/Former POW/Disabled Veteran Annual (12 consecutive months)	82.50	<u>85.00</u>	<u>87.50</u>
BOAT MOORING (Buoy)			
Nightly	16.00	16.00	16.00
Weekly	90.00	90.00	90.00
Monthly: under 30 feet	285.00	285.00	285.00
30 feet & larger	340.00	340.00	340.00
Annual (12 consecutive months):			
under 30 feet	1,550.00	<u>1,675.00</u>	<u>N/A</u>
30 feet & larger	2,050.00	<u>2,225.00</u>	<u>2,400.00</u>



RECREATION USE FEES FOR 2020 & 2021
January – December 2020
January – December 2021
 EFFECTIVE 01/01/20

CAMANCHE RESERVOIR – NORTH SHORE AND SOUTH SHORE RECREATION AREAS (continued)	<u>Current CY19</u>	<u>Proposed CY20</u>	<u>Proposed CY21</u>
BOAT SLIP OPEN (Excluding park entry)			
Daily	\$30.00	<u>\$33.00</u>	<u>\$36.00</u>
Weekly	150.00	<u>160.00</u>	<u>170.00</u>
Monthly	350.00	<u>375.00</u>	<u>400.00</u>
Annual (12 consecutive months)	1,650.00	<u>1,750.00</u>	<u>1,775.00</u>
8 Months	1,350.00	<u>1,450.00</u>	<u>1,475.00</u>
Key Security Deposit	10.00	10.00	10.00
BOAT SLIP COVERED – 24' Length Maximum			
Daily	45.00	<u>48.00</u>	<u>51.00</u>
Weekly	190.00	<u>200.00</u>	<u>210.00</u>
Monthly	525.00	<u>550.00</u>	<u>575.00</u>
Annual (12 consecutive months)	2,100.00	<u>2,200.00</u>	<u>2,300.00</u>
Key Security Deposit	50.00	50.00	50.00
BOAT SLIP COVERED – (over 24' Length Excluding park entry)			
Daily	50.00	50.00	50.00
Weekly	250.00	<u>260.00</u>	<u>275.00</u>
Monthly	625.00	<u>650.00</u>	<u>675.00</u>
Annual (12 consecutive months)	2,600.00	<u>2,750.00</u>	<u>2,900.00</u>
Key Security Deposit	50.00	50.00	50.00
RV/TRAILER/BOAT STORAGE (Excluding park entry)			
Weekly	55.00	<u>60.00</u>	<u>65.00</u>
Monthly	130.00	<u>140.00</u>	<u>150.00</u>
12 Months, consecutive	750.00	<u>800.00</u>	<u>825.00</u>
Monthly – 30' Length Maximum (Concurrent with Mooring/Slip Rental)	60.00	<u>65.00</u>	<u>70.00</u>
Monthly – Over 30' (Concurrent with Mooring/Slip Rental)	90.00	<u>95.00</u>	<u>100.00</u>
Annual – 30' Length Maximum (Concurrent with Mooring/Slip Rental) (12 consecutive months)	320.00	<u>340.00</u>	<u>350.00</u>
Annual – Over 30' (Concurrent with Mooring/Slip Rental) (12 consecutive months)	450.00	<u>470.00</u>	<u>480.00</u>
Annual – concurrent with Mobile Home Space rent (12 consecutive months)	425.00	425.00	425.00
Annual – concurrent with Mobile Home Space rent (<28', 1 boat only, dry #3) (12 consecutive months)	175.00	175.00	175.00



RECREATION USE FEES FOR 2020 & 2021
January – December 2020
January – December 2021
EFFECTIVE 01/01/20

CAMANCHE RESERVOIR – NORTH SHORE AND SOUTH SHORE RECREATION AREAS (continued)	<u>Current CY19</u>	<u>Proposed CY20</u>	<u>Proposed CY21</u>
FISHING ACCESS PERMIT			
Daily	\$6.50	<u>\$7.00</u>	<u>\$7.25</u>
Annual	140.00	<u>145.00</u>	<u>150.00</u>
CAMPSITE (w/vehicle parking)			
Nightly	32.00	<u>35.50</u>	<u>37.50</u>
Nightly (Off-season – Friday thru Sunday nights)	17.00	<u>24.00</u>	24.00
Midweek (Monday thru Thursday night)	8.50		
Second Car Parking	15.00	<u>16.00</u>	<u>17.00</u>
Weekly	165.00	<u>173.50</u>	<u>178.50</u>
Second Car Weekly	75.00	<u>80.00</u>	<u>85.00</u>
14 nights	300.00	<u>332.00</u>	<u>357.00</u>
5 Use Card (Off-season)	85.00	<u>92.50</u>	<u>97.50</u>
Camping Reservation Fee	11.00	<u>11.75</u>	<u>12.00</u>
LAKESIDE PREMIUM CAMPSITES			
Nightly	40.00	<u>42.50</u>	<u>45.50</u>
Nightly (Off-season – Friday thru Sunday nights)	18.00	<u>19.50</u>	<u>20.50</u>
Midweek (Monday thru Thursday night)	9.00	<u>10.00</u>	<u>10.50</u>
Second Car Parking	15.00	<u>15.50</u>	<u>16.00</u>
Weekly	195.00	<u>203.50</u>	<u>213.50</u>
Second Car Weekly	80.00	<u>85.00</u>	<u>90.00</u>
14 nights	360.00	<u>377.00</u>	<u>382.00</u>
5 Use Card (Off-season)	85.00	<u>92.50</u>	<u>102.50</u>
CAMPSITES WITH <u>TENT</u> YURT STRUCTURES			
8 person nightly	85.00	<u>85.50</u>	85.50
16 person nightly	150.00	<u>151.00</u>	151.00
8 person weekly	425.00	<u>428.50</u>	428.50
16 person weekly	655.00	<u>662.00</u>	662.00
CAMPSITE (WALK-IN/BICYCLE PARKING – 8 PERSON/BIKE MAX)			
Nightly	25.00	<u>25.50</u>	25.50
Weekly	135.00	<u>138.50</u>	138.50
14 nights	255.00	<u>262.00</u>	262.00



RECREATION USE FEES FOR 2020 & 2021
January – December 2020
January – December 2021
EFFECTIVE 01/01/20

CAMANCHE RESERVOIR – NORTH SHORE AND SOUTH SHORE RECREATION AREAS (continued)	<u>Current CY19</u>	<u>Proposed CY20</u>	<u>Proposed CY21</u>
GROUP CAMP (Nightly)			
12-Person Limit	\$110.00	<u>\$116.00</u>	<u>\$121.00</u>
16-Person Limit	135.00	<u>141.00</u>	<u>146.00</u>
24-Person Limit	160.00	<u>166.50</u>	<u>171.50</u>
32-Person Limit	210.00	<u>222.00</u>	<u>227.00</u>
64-Person Limit	375.00	<u>404.00</u>	<u>429.00</u>
72-Person Limit	425.00	<u>455.00</u>	<u>480.00</u>
GROUP CAMP (Nightly, off-season)			
12-Person Limit	55.00	<u>61.00</u>	<u>66.00</u>
16-Person Limit	60.00	<u>66.00</u>	<u>71.00</u>
24-Person Limit	65.00	<u>71.50</u>	<u>76.50</u>
32-Person Limit	70.00	<u>77.00</u>	<u>82.00</u>
64-Person Limit	145.00	<u>154.00</u>	<u>159.00</u>
72-Person Limit	170.00	<u>190.00</u>	<u>205.00</u>
EQUESTRIAN – TURKEY HILL – 2 HORSES PER SINGLE SITE – “NO OFF-SEASON DISCOUNTS”			
General Assembly Area	90.00	<u>95.00</u>	<u>100.00</u>
Turkey Hill Single	57.00	<u>60.50</u>	<u>65.50</u>
Turkey Hill Double	115.00	<u>121.00</u>	<u>126.00</u>
Turkey Hill Triple	135.00	<u>141.50</u>	<u>151.50</u>
Turkey Hill Quad	185.00	<u>192.00</u>	<u>202.00</u>
Entire Turkey Hill (includes assembly area)	650.00	<u>690.00</u>	<u>730.00</u>
RV SITE			
Nightly	52.00	<u>54.50</u>	<u>56.50</u>
Weekly	305.00	<u>313.50</u>	<u>323.50</u>
Monthly	575.00	<u>610.00</u>	<u>635.00</u>
Season (6-Month Max)	1,850.00	<u>1,915.00</u>	<u>1,965.00</u>
6 night off-season use card (Off-Season)	490.00	<u>198.00</u>	<u>203.00</u>
Premium Sites (Peak Season)	57.00	<u>60.50</u>	<u>63.50</u>
Premium Sites Weekly (Peak Season)	335.00	<u>343.50</u>	<u>353.50</u>
TOWING			
Camanche Recreation Area per hour	120.00	<u>130.00</u>	<u>135.00</u>
MISCELLANEOUS			
Camanche Recreation Area Lake Tours	14.00	14.00	14.00
Holding Tank Pumping	400.00	<u>105.00</u>	<u>110.00</u>



RECREATION USE FEES FOR 2020 & 2021
January – December 2020
January – December 2021
 EFFECTIVE 01/01/20

**CAMANCHE RESERVOIR – NORTH SHORE
 AND SOUTH SHORE RECREATION AREAS
 (continued)**

BOAT/VESSEL DECONTAMINATION

	<u>Current CY19</u>	<u>Proposed CY20</u>	<u>Proposed CY21</u>
<u>Vessel decontamination (up to 30')</u>	<u>\$35.00</u>	\$35.00	\$35.00
<u>Vessels over 30' in length</u>	<u>35 + 5.00</u>	35 + 5.00	35 + 5.00
	<u>for each 5'</u>	for each 5'	for each 5'
	<u>over 30'</u>	over 30'	over 30'
<u>Ballast tanks decontamination</u>	<u>10.00</u>	10.00	10.00
<u>Tank, bilge, live well decontamination only</u>	<u>25.00</u>	25.00	25.00
<u>PWC storage area decontamination only</u>	<u>25.00</u>	25.00	25.00
<u>Kayaks and Canoes decontamination</u>	<u>25.00</u>	25.00	25.00

COTTAGE/MOTEL GENERAL

Camanche Recreation Area – Security Deposit	\$200.00	\$200.00	\$200.00
Additional Guest Charge (to maximum occupancy)	15.00	15.00	15.00

COTTAGE (4-Person Base)

May – Sept: Night	180.00	<u>185.50</u>	<u>190.50</u>
Week	850.00	<u>863.50</u>	<u>903.50</u>
Oct – April: Night	115.00	<u>120.50</u>	<u>125.50</u>
Week	570.00	<u>583.50</u>	<u>628.50</u>
Month	1,500.00	<u>1,560.00</u>	<u>1,710.00</u>

COTTAGE (6-Person Base)

May – Sept: Night	225.00	<u>235.50</u>	<u>245.50</u>
Week	950.00	<u>1,003.50</u>	<u>1,053.50</u>
Oct – April: Night	150.00	<u>155.50</u>	<u>160.50</u>
Week	700.00	<u>753.50</u>	<u>778.50</u>
Month	1,250.00	<u>1,335.00</u>	<u>1,360.00</u>

MOTEL (TWIN)

May – Sept: Night	80.00	<u>85.50</u>	<u>90.50</u>
Week	400.00	<u>428.50</u>	<u>453.50</u>
Oct – April: Night	60.00	<u>65.50</u>	<u>70.50</u>
Week	300.00	<u>328.50</u>	<u>353.50</u>
Month	525.00	<u>585.00</u>	<u>610.00</u>

**RESORT RENTAL (4 BEDROOM, 14
 PERSON MAX)**

May – Sept: Night	375.00	<u>400.50</u>	<u>425.50</u>
Week	1,750.00	<u>1,803.50</u>	<u>1,853.50</u>
Oct – April: Night	155.00	<u>200.50</u>	<u>225.50</u>
Week	785.00	<u>853.50</u>	<u>903.50</u>



RECREATION USE FEES FOR 2020 & 2021
January – December 2020
January – December 2021
 EFFECTIVE 01/01/20

CAMANCHE RESERVOIR – NORTH SHORE AND SOUTH SHORE RECREATION AREAS (continued)	<u>Current CY19</u>	<u>Proposed CY20</u>	<u>Proposed CY21</u>
MOBILE HOME (MONTHLY)			
3 bedroom	927.27	<u>929.77 + HUD FMR²</u>	<u>CY20 Rate + HUD FMR²</u>
MOBILE HOME SPACES (MONTHLY)			
North Shore 1A	508.57	<u>511.07* + HUD FMR²</u>	<u>CY20 Rate* + HUD FMR²</u>
North Shore 1B	535.29	<u>537.79* + HUD FMR²</u>	<u>CY20 Rate* + HUD FMR²</u>
North Shore 2	645.52	<u>618.02* + HUD FMR²</u>	<u>CY20 Rate* + HUD FMR²</u>
South Shore	538.29	<u>540.79* + HUD FMR²</u>	<u>CY20 Rate* + HUD FMR²</u>
<u>*Mobile homes registered through Amador County receive a \$2.50 credit on their monthly rent to reflect their payment of fire-related fees.</u>			
OTHER MOBILE HOME FEES (Per Space – Monthly)			
Guest Fee	\$75.00	\$75.00	\$75.00
Late Rent/Returned Check Fee	40.00	<u>50.00</u>	50.00
FACILITY RENTAL			
Lakeside Hall Daily (hall only)	700.00	<u>750.00</u>	<u>775.00</u>
Lakeside Hall Daily (kitchen & service ware included)	1,000.00	<u>1,050.00</u>	<u>1,100.00</u>
Lakeside Hall Cleaning and Equipment Deposit	1,000.00	1,000.00	1,000.00
Camanche Clubhouse Rental (<u>North Shore</u>) Daily	150.00	<u>160.00</u>	<u>175.00</u>
Camanche Clubhouse Rental (<u>South Shore</u>)	100.00	<u>110.00</u>	<u>120.00</u>

²HUD FMR is the Housing and Urban Development Fair Market Rents Index which is published by HUD each October. The mobile home rental space rate will be adjusted annually based on the percent change in the HUD FMR index for 2-bedroom homes averaged for Amador and Calaveras Counties.



RECREATION USE FEES FOR 2020 & 2021
January – December 2020
January – December 2021
EFFECTIVE 01/01/20

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 off-season monthly open slip, covered slip and mooring buoy fees; 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 2020 & 2021
January – December 2020
January – December 2021
EFFECTIVE 01/01/20

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 2020 & 2021
January – December 2020
January – December 2021
 EFFECTIVE 01/01/20

LAFAYETTE RECREATION AREA

	<u>Current CY19</u>	<u>Proposed CY20</u>	<u>Proposed CY21</u>
ENTRY AND PARKING – CAR/MOTORCYCLE/SMALL VAN			
Daily	\$7.00	\$7.00	\$7.00
Annual (new <u>or renewal</u> , includes \$25 access card)	145.00	<u>120.00*</u>	120.00
Annual (renewal, using existing access card)	120.00		
<u>Annual (new or renewal) 2 years</u>		<u>240.00*</u>	240.00
Replacement <u>hang-tag access card (gate card)</u>	25.00	<u>25.00**</u>	25.00**
Parking Meters 1/2 hour (may be increased up to a maximum rate of \$0.75 per 1/2 hour prior to CY13)	0.75	0.75	0.75
Senior/Disabled			
Season (new <u>or renewal</u>)	105.00	<u>80.00*</u>	80.00
<u>Season (new or renewal) 2 years</u>		<u>160.00*</u>	160.00
 Season (renewal upon existing access card)	80.00		

*Effective 7/1/19.

**Replacement limited to 1 hang-tag per year.

**ENTRY AND PARKING –
LARGE VANS AND BUSES**

Large Vans – 10-20 Passengers	18.00	18.00	18.00
Buses – 21+ Passengers	33.00	33.00	33.00

DOG (no charge)

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)	100.00	100.00	100.00
Medium (from 11 to 50 people)	500.00	500.00	500.00
Large (from 51 to 150 people)	1,000.00	1,000.00	1,000.00

BOAT LAUNCH

Daily	4.00	4.00	4.00
Annual	50.00	50.00	50.00
Boat Inspection Fee	6.00	6.00	6.00

FISHING ACCESS

Daily	5.00	5.00	5.00
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RECREATION USE FEES FOR 2020 & 2021
January – December 2020
January – December 2021
 EFFECTIVE 01/01/20

LAFAYETTE RECREATION AREA
(continued)

	<u>Current</u> <u>CY19</u>	<u>Proposed</u> <u>CY20</u>	<u>Proposed</u> <u>CY21</u>
GROUP PICNIC			
Small Site (Weekend/Holiday)	200.00	200.00	200.00
Small Site (Weekday/Non-Holiday)	100.00	100.00	100.00
Large Site (Weekend/Holiday)	350.00	350.00	350.00
Large Site (Weekday/Non-Holiday)	175.00	175.00	175.00
Special Events Fee	500.00 + \$1/participant	500.00 + \$1/participant	500.00 + \$1/participant

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 2020 & 2021
January – December 2020
January – December 2021
EFFECTIVE 01/01/20

PARDEE RECREATION AREA	<u>Current CY19</u>	<u>Proposed CY20</u>	<u>Proposed CY21</u>
VEHICLE ENTRY AND PARKING – CAR/MOTORCYCLE/SMALL VAN			
Daily/Nightly (Non-Camping)	\$10.50	<u>\$10.00</u>	\$10.00
Season	118.00	118.00	118.00
Combined Car/Boat Daily	16.00	16.00	16.00
VEHICLE ENTRY AND PARKING – LARGE VANS AND BUSES			
Large Vans – 10-20 Passengers	22.00	22.00	22.00
Buses – 21+ Passengers	38.00	38.00	38.00
DOG			
Daily (<u>Fee charged each day in park</u>)	5.50	<u>5.00</u>	5.00
Season (Concurrent with Season Parking Pass)	35.00	<u>45.00</u>	<u>50.00</u>
STANDARD BOAT LAUNCH			
Daily (<u>Fee charged each day in park</u>) (Weekend included)	9.50	<u>10.00</u>	10.00
Season	106.00	<u>110.00</u>	110.00
CARTOP BOAT LAUNCH (Float Tube, Kayak, Canoe, Scull)			
Daily	5.50	<u>5.00</u>	5.00
Season	46.00	<u>44.00</u>	44.00
BOAT SLIP (excluding park entry)			
Daily	10.00	10.00	10.00
Weekly	50.00	50.00	50.00
Monthly	140.00	<u>120.00</u>	120.00
Season	690.00	690.00	690.00
Season (concurrent with season RV)	640.00	640.00	640.00
FISHING ACCESS			
Daily	6.50	<u>7.00</u>	<u>7.25</u>
Annual	200.00	200.00	200.00
MISCELLANEOUS			
RV/Campsite Reservation Fee	10.50	<u>10.00</u>	10.00



RECREATION USE FEES FOR 2020 & 2021
January – December 2020
January – December 2021
EFFECTIVE 01/01/20

PARDEE RECREATION AREA (continued)	<u>Current CY19</u>	<u>Proposed CY20</u>	<u>Proposed CY21</u>
STANDARD CAMPSITE (w/vehicle parking)			
Nightly	29.00	<u>25.00</u>	25.00
Second Car Parking	10.00	10.00	10.00
Weekly	174.00	<u>150.00</u>	150.00
Second Car Parking	60.00	60.00	60.00
PREMIUM CAMPSITE (w/vehicle parking)			
Nightly	\$32.00	<u>\$30.00</u>	\$30.00
Weekly	192.00	<u>180.00</u>	180.00
CAMPSITE (walk-in/bicycle parking) (8 person/8 bike maximum)			
Nightly	23.00	23.00	23.00
Weekly	138.00	138.00	138.00
DOUBLE CAMPSITE (16 people/2 vehicles)			
Nightly	55.00	<u>50.00</u>	50.00
Third or Fourth Vehicle	10.00	10.00	10.00
RV SITE			
Nightly	40.00	40.00	40.00
Weekly	240.00	240.00	240.00
Monthly	520.00	520.00	520.00
Season	3,150.00	<u>3,591.00</u>	<u>4,095.00</u>
Season – Premium Site	3,250.00	<u>3,705.00</u>	<u>4,225.00</u>
RV/TRAILER/BOAT STORAGE (excluding park entry)			
Weekly	25.00	<u>30.00</u>	30.00
Monthly	65.00	<u>70.00</u>	70.00
Season	510.00	510.00	510.00
Season – concurrent with season RV site	445.00	445.00	445.00
12-Month Consecutive	670.00	670.00	670.00
TOWING	80.00	80.00	80.00
RESERVABLE SITE/FACILITY (charges in addition to above fees)			
Small (25 or less people)	70.00	70.00	70.00
Medium (26-100 people)	100.00	100.00	100.00
Large (101-150 people)	150.00	150.00	150.00
Over 150 people	265.00	265.00	265.00
Café/Pool Day Use Area (refundable deposit)	60.00	60.00	60.00



RECREATION USE FEES FOR 2020 & 2021
January – December 2020
January – December 2021
EFFECTIVE 01/01/20

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.



RECREATION USE FEES FOR 2020 & 2021
January – December 2020
January – December 2021
EFFECTIVE 01/01/20

PARDEE RESERVOIR – DISCOUNTS, SPECIAL PROGRAMS, LIMITATIONS (continued)

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 up to one hour.



RECREATION USE FEES FOR 2020 & 2021
January – December 2020
January – December 2021
EFFECTIVE 01/01/20

SAN PABLO RECREATION AREA

	<u>Current</u>	<u>Proposed</u>	<u>Proposed</u>
	<u>CY19</u>	<u>CY20</u>	<u>CY21</u>
ENTRY AND PARKING – CAR/MOTORCYCLE/SMALL VAN			
Daily	\$7.00	\$7.00	\$7.00
Daily (Special Events)	5.00	5.00	5.00
Season	110.00	<u>120.00</u>	120.00
3-Month Season	36.00		
ENTRY AND PARKING – LARGE VANS AND BUSES			
Large Vans – 10-20 Passengers	22.00	22.00	22.00
Buses – 21+ Passengers	40.00	40.00	40.00
DOG	2.00	<u>3.00</u>	3.00
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	120.00	120.00
Medium (from 11 to 50 people)	600.00	600.00	600.00
Large (from 51 to 150 people)	1,200.00	1,200.00	1,200.00
STANDARD BOAT LAUNCH			
Daily	8.00	8.00	8.00
Season (Entry & Boat Launch)	163.00	<u>170.00</u>	170.00
3-Month Season (Entry & Boat)	62.00		
Boat Inspection Fee	6.00	6.00	6.00
CARTOP BOAT LAUNCH (Float Tube, Kayak, Canoe, Scull)			
Daily	4.00	4.00	4.00
Season (Entry and Cartop Launch)	124.00	124.00	124.00
3-Month Season (Entry and Cartop Launch)	41.00		
FISHING ACCESS			
Daily	5.00	<u>6.00</u>	6.00
GROUP PICNIC			
Large Sites (Oaks) daily	260.00	<u>300.00</u>	300.00
Large Sites (Pines) daily	150.00	<u>200.00</u>	200.00
GAZEBO	60.00	<u>90.00</u>	90.00
TOWING	50.00	50.00	50.00



RECREATION USE FEES FOR 2020 & 2021
January – December 2020
January – December 2021
EFFECTIVE 01/01/20

SAN PABLO RECREATION AREA (continued)	<u>Current CY19</u>	<u>Proposed CY20</u>	<u>Proposed CY21</u>
VISITOR CENTER & DECK RENTAL			
Weekday Evening Visitor Center & Deck (minimum charge for up to 3 hours)	\$250.00	\$250.00	\$250.00
Extra hours	70.00	70.00	70.00
Weekend Evening Visitor Center & Deck (minimum charge for up to 5 hours)	400.00	400.00	400.00
Extra hours	70.00	70.00	70.00
Evening Event Cleaning and Damage Deposit			
Events ending before 7:00 p.m.	150.00	150.00	150.00
Events ending after 7:00 p.m.	350.00	350.00	350.00
WEEKDAY VISITOR CENTER & DECK (8:00 a.m. - 4:00 p.m.)			
	200.00	200.00	200.00
2 consecutive days	350.00	350.00	350.00
3 consecutive days	500.00	500.00	500.00
Daytime Event Cleaning and Damage Deposit	125.00	125.00	125.00



RECREATION USE FEES FOR 2020 & 2021
January – December 2020
January – December 2021
EFFECTIVE 01/01/20

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 seasonal and 3-month 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.

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 2020 & 2021
January – December 2020
January – December 2021
EFFECTIVE 01/01/20

WATERSHED TRAIL SYSTEM

Current
CY19

Proposed
CY20

Proposed
CY21

WATERSHED TRAILS

Daily Permit	\$3.00	\$3.00	\$3.00
Annual Permit	10.00	10.00	10.00
Three-Year Permit	20.00	20.00	20.00
Five-Year Permit	30.00	30.00	30.00

Section 12

Non-registering and Unreadable Meters and Meter Protection

FY20



SECTION 12

NON-REGISTERING AND UNREADABLE METERS AND METER

PROTECTIONMAINTENANCE

- A. Subject to and consistent with Section 23, customers shall not attach any device or equipment to District property in the meter box without prior District authorization. Where any device or equipment has been attached to District property in the meter box without prior District authorization, reasonable efforts will be made to notify the customer to correct the condition. The customer may be charged reasonable charges to clear unauthorized devices or equipment found on District property in the meter box, which will be added to the customer's water bill. The District has the right to discontinue the service if the condition is not corrected. Where service is turned off for such cause, the District may require payment of a restoration fee as provided for in the Schedule of Rates and Charges.
- B. Subject to and consistent with Section 23, customers shall refrain from taking any action or constructing any equipment, structures or facilities on District property that may interfere with or impede District's ability to operate and maintain the facilities necessary to provide water service to the premises, including the meter, lateral, water main and appurtenances. Where a meter cannot be read or maintained without undue difficulty because of an obstruction, reasonable efforts will be made to notify the customer to correct the condition. The customer may be charged an obstructed meter fee and/or assessed other reasonable charges to clear obstructions which will be added to the customer's water bill. The District has the right to discontinue the service if the condition is not corrected. Where service is turned off for such cause, the District may require payment of a restoration fee as provided for in the Schedule of Rates and Charges.
- C. Bills for service will be based on an estimate if a meter fails to register the volume of water consumed or cannot be read due to safety and access issues. In estimating consumption, due consideration will be given to past use and fluctuations in usage caused by seasonal changes or known service interruptions.

~~Where a meter cannot be read or maintained without undue difficulty because of an obstruction, reasonable efforts will be made to notify the customer to correct the condition. The customer may be charged an obstructed meter fee and/or assessed other reasonable charges to clear obstructions which will be added to the customer's water bill. The District has the right to discontinue the service if the condition is not corrected. Where service is turned off for such cause, the District may require payment of a restoration fee as provided for in the Schedule of Rates and Charges.~~

Wastewater Department

Schedule A

Rates for Treatment Service

FY20



**SCHEDULE A – WASTEWATER DEPARTMENT
RATES FOR TREATMENT SERVICE**

EFFECTIVE ~~07/01/18~~ 07/01/19

	Current	
I. Unit Treatment Rates <u>(for permit accounts)</u>		
Flow (\$ per <u>unit, 1 unit = 100 cubic feet = 748 gallons</u>)	\$1.196	<u>\$1.266</u>
<u>Chemical Oxygen Demand</u> † (\$ per pound of discharge)	0.354	<u>0.129</u>
<u>Total</u> Suspended Solids (\$ per pound <u>of discharge</u>)	0.517	<u>0.530</u>
<p>Unit treatment rates for Flow, Chemical Oxygen Demand filtered-(COD_f), Total Suspended Solids (TSS) and a Service Charge are applied to all users unless otherwise indicated.</p>		
II. Residential Monthly Charges (6514 Multi-Family under 5 <u>dwelling</u> units & 8800 Single-Family)		
A. Service Charge (per account)	\$6.12	<u>\$7.02</u>
B. Strength Charge (per dwelling unit)	8.43	<u>7.31</u>
Minimum monthly charge per household	14.55	<u>14.33</u>
C. Plus: A flow charge of \$1.20 <u>1.27</u> per <u>unit</u> cubic ft. applied to a maximum of 9 units (per dwelling unit)		
Minimum monthly charge at 0 units	\$0.00	
Maximum monthly charge at 9 units	10.80	<u>11.43</u>
D. Total Residential Charge (A+B+C above) ¹		
Minimum monthly charge (for 8800)	\$14.55	<u>\$14.33</u>
Maximum monthly charge (for 8800)	25.35	<u>25.76</u>
Average monthly charge (for 8800)	21.75	<u>21.95</u>
¹ Does not include SF Bay Residential Pollution Prevention Fee		
III. Non-Residential Charges		
A. Monthly service charge (per account)	\$6.12	<u>\$7.02</u>
B. Treatment charge including flow processing (per <u>unit</u> 100 cubic feet of sewage discharge)		
2010 Meat Products	\$7.85	<u>\$8.90</u>
2011 Slaughterhouses	7.92	<u>8.50</u>
2020 Dairy Product Processing	6.21	<u>6.98</u>
2030 Fruit and Vegetable Canning	5.04	<u>5.61</u>
2040 Grain Mills	5.18	<u>5.58</u>



SCHEDULE A – WASTEWATER DEPARTMENT RATES FOR TREATMENT SERVICE

EFFECTIVE ~~07/01/18~~07/01/19

	Current	
2050 Bakeries (including Pastries)	\$8.82	<u>\$9.65</u>
2060 Sugar Processing	4.83	<u>5.53</u>
2077 Rendering Tallow	15.80	<u>16.74</u>
2080 Beverage Manufacturing & Bottling	3.74	<u>4.19</u>
2090 Specialty Foods Manufacturing	15.99	<u>18.05</u>
2600 Pulp and Paper Products	4.45	<u>4.79</u>
2810 Inorganic Chemicals Mfgr.	5.93	<u>6.16</u>
2820 Synthetic Material Manufacturing	1.36	<u>1.44</u>
2830 Drug Manufacturing	2.79	<u>3.11</u>
2840 Cleaning and Sanitation Products	5.64	<u>6.30</u>
2850 Paint Manufacturing	11.01	<u>12.14</u>
2893 Ink and Pigment Manufacturing	3.88	<u>4.39</u>
3110 Leather Tanning and Finishing	15.07	<u>16.77</u>
3200 Earthenware Manufacturing	3.24	<u>3.40</u>
3300 Primary Metals Manufacturing	2.56	<u>2.69</u>
3400 Metal Products Fabricating	1.47	<u>1.57</u>
3410 Drum and Barrel Manufacturing	15.21	<u>17.08</u>
3470 Metal Coating	1.60	<u>1.71</u>
4500 Air Transportation	2.07	<u>2.25</u>
4951 Groundwater Remediation	1.24	<u>1.28</u>
5812 Food Service Establishments	5.47	<u>5.83</u>
6513 Apartment Buildings (5 or more <u>dwelling</u> units)	2.73	<u>2.83</u>
7000 Hotels, Motels with Food Service	3.96	<u>4.19</u>
7210 Commercial Laundries	3.46	<u>3.77</u>
7215 Coin Operated Laundromats	2.60	<u>2.83</u>
7218 Industrial Laundries	9.55	<u>10.73</u>
7300 Laboratories	1.87	<u>2.02</u>
7542 Automobile Washing and Polishing	2.48	<u>2.68</u>
8060 Hospitals	2.42	<u>2.57</u>
8200 Schools	1.76	<u>1.89</u>
All Other Business Classification Code (includes dischargers of only segregated domestic wastes from sanitary conveniences)	2.73	<u>2.83</u>



**SCHEDULE A – WASTEWATER DEPARTMENT
RATES FOR TREATMENT SERVICE**

EFFECTIVE ~~07/01/18~~07/01/19

Multi-Use Food Service Establishments and Domestic Waste Accounts

Accounts identified by EBMUD where there isare 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 MT 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 MT Code is calculated from the food service establishment or bakeries treatment rate and the domestic waste treatment rate.

MT Code		Current	
A	0-9% Food, 91-100% Domestic	\$2.73	<u>\$2.830</u>
B	10-19% Food, 81-90% Domestic	3.00	<u>3.130</u>
C	20-29% Food, 71-80% Domestic	3.28	<u>3.430</u>
D	30-39% Food, 61-70% Domestic	3.55	<u>3.730</u>
E	40-49% Food, 51-60% Domestic	3.83	<u>4.030</u>
F	50-59% Food, 41-50% Domestic	4.10	<u>4.330</u>
G	60-69% Food, 31-40% Domestic	4.37	<u>4.630</u>
H	70-79% Food, 21-30% Domestic	4.65	<u>4.930</u>
I	80-89% Food, 11-20% Domestic	4.92	<u>5.230</u>
J	90-99% Food, 1-10% Domestic	5.20	<u>5.530</u>
K	0-9% Bakery, 91-100% Domestic	2.73	<u>2.830</u>
L	10-19% Bakery, 81-90% Domestic	3.34	<u>3.512</u>
M	20-29% Bakery, 71-80% Domestic	3.95	<u>4.194</u>
N	30-39% Bakery, 61-70% Domestic	4.56	<u>4.876</u>
O	40-49% Bakery, 51-60% Domestic	5.17	<u>5.558</u>
P	50-59% Bakery, 41-50% Domestic	5.78	<u>6.240</u>
Q	60-69% Bakery, 31-40% Domestic	6.38	<u>6.922</u>
R	70-79% Bakery, 21-30% Domestic	6.99	<u>7.604</u>
S	80-89% Bakery, 11-20% Domestic	7.60	<u>8.286</u>
T	90-99% Bakery, 1-10% Domestic	8.21	<u>8.968</u>
Minimum Monthly Treatment Charge:			
6513	Apartment Buildings (5 or more units)	\$48.27	<u>\$43.57</u>
	All Others	6.12	<u>7.02</u>

Wastewater Department

Schedule B

Wet Weather Facilities Charge

FY20



**SCHEDULE B ~~(Formerly Schedule F)~~ – WASTEWATER DEPARTMENT
WET WEATHER FACILITIES CHARGE**

EFFECTIVE ~~07/01/18~~ 07/01/19

Annual Charge Collected on Property Tax Bill¹

TYPE	RATE
Small Lot (0 - 5,000 sq. ft.)	\$ 103.74 <u>111.24</u>
Medium Lot (5,001 – 10,000 sq. ft.)	\$ 162.06 <u>173.78</u>
Large Lot (> 10,000 sq. ft.)	\$ 370.44 <u>397.20</u>

¹ The Wet Weather Facilities Charge for entities that are exempt from property taxes (e.g., public agencies) is collected through the District's billing process.

Wastewater Department

Schedule C

Industrial Permit Fees

FY20



**SCHEDULE C – WASTEWATER DEPARTMENT
INDUSTRIAL PERMIT FEES**

EFFECTIVE ~~07/01/18~~ 07/01/19

PERMIT TYPE	ANNUAL FEE
Wastewater Discharge Permit	\$ 2,700 <u>2,810</u>
Estimation Permit	\$ 1,015 <u>1,060</u>
Limited Term Discharge Permit	\$ 2,500 <u>2,570</u>

Wastewater Department

Schedule D

Other Fees

FY20



**SCHEDULE D – WASTEWATER DEPARTMENT
OTHER FEES**

EFFECTIVE ~~07/01/18~~07/01/19

TYPE	RATE
SF Bay Commercial Pollution Prevention Fee	\$5.48/month ¹
SF Bay Residential Pollution Prevention Fee	\$0.20/month per dwelling unit ²
Monitoring Fees	\$1,430 <u>1,490</u>
Violation Follow-Up Fees	
Stage 1	\$670 <u>700</u>
Stage 2	\$1,410 <u>1,490</u> + Testing Fees ³
Stage 3	\$2,950 <u>3,070</u> + Testing Fees ³
Private Sewer Lateral Compliance Fees	
Compliance Certificate ⁴	\$250 <u>260</u>
Time Extension Certificate	\$400 <u>110</u>
Inspection Reschedule	\$73 <u>80</u>
Extra Lateral or Additional Verification Test	\$66 <u>70</u> per lateral
Off-Hours Verification	\$200 <u>210</u> for 2.5 hours
<u>PSL Violation Follow-Up Non-Compliance</u> – Initial Fee	\$350 <u>370</u>
<u>PSL Violation Follow-Up Non-Compliance</u> – Monthly Fee	\$87 <u>100</u>

¹SF Bay Commercial Pollution Prevention Fee applicable to all non-residential accounts.

²SF Bay Residential Pollution Prevention Fee applicable to all residential accounts. Fee will be charge per dwelling unit up to five dwelling units.

³Violation follow-up fees do not include required testing. Testing fees will be charged in accordance with Schedule E Wastewater Department Testing Fees.

⁴Compliance Certificate Fee may be assessed for performance of a Verification Test that results in issuance of a new Compliance Certificate or annotation of an existing Compliance Certificate.

Wastewater Department

Schedule E

Testing Fees

FY20



SCHEDULE E – WASTEWATER DEPARTMENT TESTING FEES

EFFECTIVE ~~07/01/13~~ 07/01/19

LABORATORY TEST CHARGES	FEE	METHOD
Arsenic	\$120	SM3144 B-2009
Cadmium	70	EPA 200.7
Chromium	70	EPA 200.7
Copper	70	EPA 200.7
Iron	70	EPA 200.7
Lead	70	EPA 200.7
Mercury: Cold Vapor	120 \$142	EPA 245.1
Nickel	70	EPA 200.7
Silver	70	EPA 200.7
Zinc	70	EPA 200.7
ICP Metals Scan* (including metals digestion)	115	EPA 200.7
Chemical Oxygen Demand: Filtered (CODF)	60	SM5220 D-1997
<u>Chemical Oxygen Demand (COD)</u>	<u>60</u>	<u>SM5220 D-1997</u>
Total Suspended Solids (TSS)	45 40	SM2540 D-1997
Cyanide (Amenable to Chlorination)	115 132	SM4500 CN- HG
Cyanide (Total)	100 126	SM4500 CN- C, E-1999
<u>EPA 200.7 (Arsenic, Cadmium, Chromium, Copper, Iron, Lead, Nickel, Silver, Zinc, & ICP Metals Scan* (including metals digestion))</u>	<u>224</u>	<u>EPA 200.7</u>
EPA 608 (Organochlorine pesticides & PCBs)	345 447	EPA 608
EPA 608 (PCBs only)	320 447	EPA 608: PCBs ONLY
EPA 624 (Volatile Organics)	255 219	EPA 624
EPA 624 (ESD/R2 (Volatile Organics))	255 219	EPA 624 (EBMUD Modified)
EPA 625 (Semi-volatile Organics)	400 522	EPA 625
Oil & Grease: Gravimetric (EPA 1664)	110 159	EPA 1664 <u>A</u>
Oil & Grease: Hydrocarbons (EPA 1664)	140 198	EPA 1664 <u>A</u>
pH	25 42	SM4500-H ⁺ -B-2000
Field Data (pH)	14 28	SM450-H + B-2000
Phenols: total	115 139	EPA 420.1
PCBs (SFEI 40 congeners)	700	EPA 1668C

*ICP Metal scan charge is not per element

Wastewater Department

Schedule F

**Rates for Resource Recovery
Material Treatment**

FY20



**SCHEDULE F¹ – WASTEWATER DEPARTMENT
RATES FOR RESOURCE RECOVERY MATERIAL TREATMENT**

EFFECTIVE ~~07/01/18~~ 07/01/19

MATERIAL TYPE	RATE ²
Permit Fee	\$300 \$350 (per year)
Septage	\$0.07/gal
Fats, Oil and Grease	Up to \$0.08 \$0.12 /gal
Process Water	\$0.05/gal
Brine	<u>Variable with Total Dissolved Solid (TDS)</u> \$0.04 \$0.05 /gal ≤ 50,000 mg/l TDS \$0.06/gal 50,001 – 100,000 mg/l TDS \$0.09/gal > 100,000 mg/l TDS
Sludge	<u>Variable with % Total Solids (TS)</u> \$0.05 \$0.06 /gal up to 3% TS Plus \$0.005/gal per %TS for TS between 3% to 20%
Clean Liquid Food Waste Slurry ³	<u>Variable with % Total Solids (TS)</u> \$0.04 \$0.04 /gal up to 3% TS Plus \$0.005 \$0.005 /gal <u>per % TS for TS between 3% to 20%</u>
Liquid Organic Material	Up to \$0.04 \$0.06 /gal
Protein Material	Up to \$0.08 \$0.10 /gal
Solid Organic Material	\$30/ton – \$65 \$75 /ton ⁴

¹Payment 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.

²For 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.

³Clean 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.

⁴Based on treatment costs (residual solids dewatering and disposal), gas production, volumes and other costs or benefits to the District.

Wastewater Department

Schedule G

Capacity Fees

FY20



SCHEDULE G – WASTEWATER DEPARTMENT CAPACITY FEES

EFFECTIVE ~~08/13/18~~07/01/19

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.

1. Residential WCF (dollars per dwelling unit)^{1,2} _____ \$2,750

2. Non-Residential WCF for meters 1-1/2 inches and smaller (dollars per connection)²

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)(2). 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)(2) no longer applies. For estimated annual wastewater discharge flows that exceed 1,390 gpd and meters larger than 1-1/2 inches, Section (A)(3) 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.

<u>Strength Category</u>	<u>Meter Size</u>		
	<u>5/8 inch</u>	<u>3/4 & 1 inch</u>	<u>1-1/2 inch</u>
<u>Low</u>	<u>\$4,090</u>	<u>\$10,760</u>	<u>\$20,960</u>
<u>Medium</u>	<u>8,280</u>	<u>21,750</u>	<u>42,390</u>
<u>High</u>	<u>16,210</u>	<u>42,610</u>	<u>83,020</u>

3. Non-Residential (meter size over 1-1/2 inch)^{2,3,4}

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 Ccf WCF charge to the annual wastewater discharge flow calculated by the District for the appropriate strength category for the service connection.

<u>Strength Category</u>	<u>\$/Ccf/year</u>
<u>Low</u>	<u>\$31.01</u>
<u>Medium</u>	<u>62.70</u>
<u>High</u>	<u>122.81</u>

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 ~~08/13/18~~07/01/19

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

<u>Code</u>	<u>Description</u>
<u>4500</u>	<u>Air Transportation</u>
<u>7542</u>	<u>Automobile Washing and Polishing</u>
<u>7215</u>	<u>Coin Operated Laundromats</u>
<u>3200</u>	<u>Earthenware Manufacturing</u>
<u>8060</u>	<u>Hospitals</u>
<u>7000</u>	<u>Hotels, Motels with Food Service</u>
<u>7300</u>	<u>Laboratories</u>
<u>3470</u>	<u>Metal Coating</u>
<u>3400</u>	<u>Metal Products Fabricating</u>
<u>3300</u>	<u>Primary Metals Manufacturing</u>
<u>8200</u>	<u>Schools</u>
<u>2820</u>	<u>Synthetic Material Manufacturing</u>
	<u>All Other Business Classification Codes</u> <u>(includes dischargers of only segregated</u> <u>domestic wastes from sanitary</u> <u>conveniences)</u>

BCC Category: Medium Strength

<u>Code</u>	<u>Description</u>
<u>2080</u>	<u>Beverage Manufacturing & Bottling</u>
<u>2840</u>	<u>Cleaning and Sanitation Products</u>
<u>7210</u>	<u>Commercial Laundries</u>
<u>2830</u>	<u>Drug Manufacturing</u>
<u>5812</u>	<u>Food Service Establishments</u>
<u>2030</u>	<u>Fruit and Vegetable Canning</u>
<u>2040</u>	<u>Grain Mills</u>
<u>2893</u>	<u>Ink and Pigment Manufacturing</u>
<u>2810</u>	<u>Inorganic Chemicals Manufacturing</u>
<u>2600</u>	<u>Pulp and Paper Products</u>
<u>2011</u>	<u>Slaughterhouses</u>



**SCHEDULE G – WASTEWATER DEPARTMENT
CAPACITY FEES**

EFFECTIVE 08/13/18 07/01/19

BCC Category: High Strength

<u>Code</u>	<u>Description</u>
2050	<u>Bakeries (including Pastries)</u>
2020	<u>Dairy Product Processing</u>
3410	<u>Drum and Barrel Manufacturing</u>
7218	<u>Industrial Laundries</u>
3110	<u>Leather Tanning and Finishing</u>
2010	<u>Meat Products</u>
2850	<u>Paint Manufacturing</u>
2077	<u>Rendering Tallow</u>
2090	<u>Specialty Foods Manufacturing</u>
2060	<u>Sugar Processing</u>

Residential (\$/dwelling unit)^{1,-5} \$2,610²

Non-Residential (\$/ccf/mo)^{3,-4,-5}

2010	Meat Products	\$1,283
2011	Slaughterhouses	1,227
2020	Dairy Product Processing	1,009
2030	Fruit and Vegetable Canning	813
2040	Grain Mills	810
2050	Bakeries (including Pastries)	1,393
2060	Sugar Processing	801
2077	Rendering Tallow	2,408
2088	Beverage Manufacturing & Bottling	610
2090	Specialty Foods Manufacturing	2,593
2600	Pulp and Paper Products	696
2810	Inorganic Chemicals Manufacturing	892
2820	Synthetic Material Manufacturing	217
2830	Drug Manufacturing	456
2840	Cleaning and Sanitation Products	911
2850	Paint Manufacturing	1,748
2893	Ink and Pigment Manufacturing	639
3110	Leather Tanning and Finishing	2,410
3200	Earthenware Manufacturing	497
3300	Primary Metals Manufacturing	396
3400	Metal Products Fabricating	236
3410	Drum and Barrel Manufacturing	2,454
3470	Metal Coating	255
4500	Air Transportation	332



**SCHEDULE G – WASTEWATER DEPARTMENT
CAPACITY FEES**

EFFECTIVE ~~08/13/18~~07/01/19

5812	Food Service Establishments	845
7000	Hotels, Motels with Food Service	611
7210	Commercial Laundries	551
7215	Coin-Operated Laundromats	416
7218	Industrial Laundries	1,546
7300	Laboratories	300
7542	Automobile Washing and Polishing	395
8060	Hospitals	379
8200	Schools	282
	All Other Business Classification Codes	427
	(includes dischargers of only segregated domestic wastes from sanitary conveniences)	

B. WCF for Permit Applicants

For applicants who are 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 concentrations listed on the applicant's discharge permit at the time of application.

Permit Accounts 2,3,4,5,6

Flow (\$/ccf/ mo <u>year</u>)	\$191.93 <u>13.85</u>
Chemical Oxygen Demand Filtered (CODF) (\$/lb/ mo <u>year</u>)	59.59 <u>1.45</u>
Total Suspended Solids (TSS) (\$/lb/ mo <u>year</u>)	75.92 <u>6.66</u>

¹Includes BCC 6513 Apartment Buildings, 6514 Multi-Family and 8800 Single Family.

²~~Residential fee is calculated as follows:~~

Flow:	6.7	*	\$191.93	=	\$1,286
CODF:	7.9	*	59.59	=	471
TSS:	11.29	*	75.92	=	<u>857</u>
					\$2,614
					Rounded to
					\$2,610

²A credit may be provided for existing services. Where a new service will replace one or more existing or prior services to a premise and a WCF was paid, a credit will be applied to the new WCF based on the WCF previously paid. 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 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



SCHEDULE G – WASTEWATER DEPARTMENT CAPACITY FEES

EFFECTIVE ~~08/13/18~~07/01/19

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.

³Capacity Fee is based on the anticipated ~~maximum monthly~~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 assessment of additional capacity fees if the actual flow and strength exceeds the original estimate.

⁴For non-residential customers with projected treatment revenues equal to or greater than 0.1% of the total District treatment revenue, the calculated capacity fee will be reduced by a Rate Stabilization Factor of 25%. Projected treatment revenue will be based on permit conditions at the time of application or on average wastewater strength measured for each classification of customer if a permit is not required for discharge. Total District treatment revenue will be based on the budgeted fiscal year amount at the time of application.

~~⁵A credit may be provided for existing services. Where a new service will replace one or more existing or prior services to a premise and a capacity fee was paid, a credit will be applied to the new capacity fee based on the previous capacity unit paid or if the existing service had not paid a capacity fee (for accounts in service prior to July 1, 1987) then the credit is based on historic use over the preceding 10 year period.~~

~~⁵⁶Total fee is a summation of the unit rates for flow, COD_F, and TSS ~~times~~ applied to the permit conditions at the time of application.~~

Wastewater Department

Schedule H

Wastewater Interceptor Connection Review, Coordination and Inspection Fee

FY20



**SCHEDULE H – WASTEWATER DEPARTMENT
WASTEWATER INTERCEPTOR CONNECTION REVIEW,
COORDINATION AND INSPECTION FEE**

EFFECTIVE ~~07/01/05~~07/01/19

TYPE	RATE
Plan Review and Project Coordination	\$1,750
Construction Inspection	2,300
<u>Plan Review, Project Coordination and Construction Inspection</u>	<u>\$11,500</u>
<u>Each Additional Connection¹</u>	<u>9,400</u>

¹For additional connections submitted and constructed under the same project with the same design and pipe sizes

RECOMMENDED SCHEDULES OF RATES, CHARGES AND FEES

FY21

Water System

Schedule A – Rate Schedule for Water Service

Wastewater System

Schedule A – Rates for Treatment Service

Schedule B – Wet Weather Facilities Charge

Schedule C – Industrial Permit Fees

Schedule D – Other Fees

Schedule A

Rate Schedule for Water Service

FY21



SCHEDULE A – RATE SCHEDULE FOR WATER SERVICE

EFFECTIVE ~~07/01/19~~ 07/01/20

A. ONE 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	\$26.23	<u>\$27.87</u>
1 inch	39.62	<u>42.10</u>
1-1/2 inch	73.11	<u>77.68</u>
2 inch	113.27	<u>120.35</u>
3 inch	220.41	<u>234.19</u>
4 inch	340.94	<u>362.25</u>
6 inch	675.67	<u>717.90</u>
8 inch	1,077.40	<u>1,144.74</u>
10 inch	1,546.05	<u>1,642.68</u>
12 inch	2,148.66	<u>2,282.95</u>
14 inch	2,751.21	<u>2,923.16</u>
16 inch	3,487.70	<u>3,705.68</u>
18 inch	4,224.17	<u>4,488.18</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 ~~07/01/19~~ 07/01/20

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>	WATER FLOW CHARGE PER <u>UNIT</u> 100 CU. FT.	
Single Family Residential Accounts:		
For the first 172 gpd	\$4.00	<u>\$4.25</u>
For all water used in excess of 172 gpd, up to 393 gpd	5.51	<u>5.85</u>
For all water used in excess of 393 gpd	7.27	<u>7.72</u>
Multiple Family Residential Accounts:		
For all water used	5.66	<u>6.01</u>
All Other Water Use:		
For all water used	5.63	<u>5.98</u>

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 CHARGE PER <u>UNIT</u> 100 CU. CT.	
For all water used	\$4.39	<u>\$4.66</u>



SCHEDULE A – RATE SCHEDULE FOR WATER SERVICE

EFFECTIVE ~~07/01/19~~ 07/01/20

B. 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	\$52.46	<u>\$55.74</u>
1 inch	79.24	<u>84.20</u>
1-1/2 inch	146.22	<u>155.36</u>
2 inch	226.54	<u>240.70</u>
3 inch	440.82	<u>468.38</u>
4 inch	681.88	<u>724.50</u>
6 inch	1,351.34	<u>1,435.80</u>
8 inch	2,154.80	<u>2,289.48</u>
10 inch	3,092.10	<u>3,285.36</u>
12 inch	4,297.32	<u>4,565.90</u>
14 inch	5,502.42	<u>5,846.32</u>
16 inch	6,975.40	<u>7,411.36</u>
18 inch	8,448.34	<u>8,976.36</u>

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 ~~07/01/19~~ 07/01/20

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 CHARGE PER <u>UNIT</u> 100 CU. FT.	
Single Family Residential Accounts:		
For the first 172 gpd	\$4.00	<u>\$4.25</u>
For all water used in excess of 172 gpd, up to 393 gpd	5.54	<u>5.85</u>
For all water used in excess of 393 gpd	7.27	<u>7.72</u>
Multiple Family Residential Accounts:		
For all water used	5.66	<u>6.01</u>
All Other Water Use:		
For all water used	5.63	<u>5.98</u>

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 CHARGE PER <u>UNIT</u> 100 CU. CT.	
For all water used	\$4.39	<u>\$4.66</u>

C. 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 ~~07/01/19~~07/01/20

D. PRIVATE FIRE SERVICES

Effective July 1, 2005, 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 CHARGE AMOUNT	
5/8 and 3/4 inch	\$13.96	<u>\$14.83</u>
1 inch	19.18	<u>20.38</u>
1-1/2 inch	32.16	<u>34.17</u>
2 inch	47.75	<u>50.73</u>
3 inch	89.37	<u>94.96</u>
4 inch	136.16	<u>144.67</u>
6 inch	266.16	<u>282.80</u>
8 inch	422.16	<u>448.55</u>
10 inch	604.14	<u>641.90</u>
12 inch	838.12	<u>890.50</u>
14 inch	1,072.12	<u>1,139.13</u>
16 inch	1,358.14	<u>1,443.02</u>
18 inch	1,644.13	<u>1,746.89</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~~100 cu. ft.:

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 ~~07/01/19~~ 07/01/20

E. ELEVATION SURCHARGE

Elevation Designator	AMOUNT PER <u>UNIT</u> 100 CU. FT.	
<u>Pressure Zone 1: Elevation Designator</u> 0 and 1	\$0.00	
<u>Pressure Zone 2: Elevation Designator</u> 2 through 5	0.81	<u>0.86</u>
<u>Pressure Zone 3: Elevation Designator</u> 6 and greater	1.68	<u>1.79</u>

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.

Wastewater Department

Schedule A

Rates for Treatment Service

FY21



**SCHEDULE A – WASTEWATER DEPARTMENT
RATES FOR TREATMENT SERVICE**

EFFECTIVE ~~07/01/19~~07/01/20

	Current	
I. Unit Treatment Rates (for permit accounts)		
Flow (\$ per unit, 1 unit = 100 cubic feet = 748 gallons)	\$1.266	<u>\$1.317</u>
Chemical Oxygen Demand (\$ per pound of discharge)	\$0.129	<u>\$0.134</u>
Total Suspended Solids (\$ per pound <u>of discharge</u>)	0.530	<u>0.551</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.

II. Residential Monthly Charges (6514 Multi-Family under 5 dwelling units & 8800 Single-Family)		
A. Service Charge (per account)	\$7.02	<u>\$7.30</u>
B. Strength Charge (per dwelling unit)	7.31	<u>7.60</u>
Minimum monthly charge per household	14.33	<u>14.90</u>
C. Plus: A flow charge of \$1.27 <u>1.32</u> 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	11.43	<u>11.88</u>
D. Total Residential Charge (A+B+C above) ¹		
Minimum monthly charge (for 8800)	\$14.33	<u>14.90</u>
Maximum monthly charge (for 8800)	25.76	<u>26.78</u>
Average monthly charge (for 8800)	21.95	<u>22.82</u>

¹Does not include SF Bay Residential Pollution Prevention Fee

III. Non-Residential Charges		
A. Monthly service charge (per account)	\$7.02	<u>\$7.30</u>
B. Treatment charge including flow processing (per unit of sewage discharge)		
2010 Meat Products	\$8.90	<u>\$9.24</u>
2011 Slaughterhouses	8.50	<u>8.83</u>
2020 Dairy Product Processing	6.98	<u>7.25</u>
2030 Fruit and Vegetable Canning	5.64	<u>5.83</u>
2040 Grain Mills	5.58	<u>5.80</u>



SCHEDULE A – WASTEWATER DEPARTMENT RATES FOR TREATMENT SERVICE

EFFECTIVE ~~07/01/19~~07/01/20

	Current	
2050 Bakeries (including Pastries)	\$9.65	<u>\$10.03</u>
2060 Sugar Processing	5.53	<u>5.74</u>
2077 Rendering Tallow	16.74	<u>17.40</u>
2080 Beverage Manufacturing & Bottling	4.19	<u>4.36</u>
2090 Specialty Foods Manufacturing	18.05	<u>18.75</u>
2600 Pulp and Paper Products	4.79	<u>4.98</u>
2810 Inorganic Chemicals Mfgr.	6.16	<u>6.40</u>
2820 Synthetic Material Manufacturing	1.44	<u>1.50</u>
2830 Drug Manufacturing	3.11	<u>3.23</u>
2840 Cleaning and Sanitation Products	6.30	<u>6.54</u>
2850 Paint Manufacturing	12.14	<u>12.61</u>
2893 Ink and Pigment Manufacturing	4.39	<u>4.56</u>
3110 Leather Tanning and Finishing	16.77	<u>17.43</u>
3200 Earthenware Manufacturing	3.40	<u>3.53</u>
3300 Primary Metals Manufacturing	2.69	<u>2.80</u>
3400 Metal Products Fabricating	1.57	<u>1.64</u>
3410 Drum and Barrel Manufacturing	17.08	<u>17.74</u>
3470 Metal Coating	1.71	<u>1.77</u>
4500 Air Transportation	2.25	<u>2.34</u>
4951 Groundwater Remediation	1.28	<u>1.34</u>
5812 Food Service Establishments	5.83	<u>6.06</u>
6513 Apartment Buildings (5 or more dwelling units)	2.83	<u>2.94</u>
7000 Hotels, Motels with Food Service	4.19	<u>4.36</u>
7210 Commercial Laundries	3.77	<u>3.92</u>
7215 Coin Operated Laundromats	2.83	<u>2.94</u>
7218 Industrial Laundries	10.73	<u>11.15</u>
7300 Laboratories	2.02	<u>2.11</u>
7542 Automobile Washing and Polishing	2.68	<u>2.79</u>
8060 Hospitals	2.57	<u>2.68</u>
8200 Schools	1.89	<u>1.97</u>
All Other Business Classification Code (includes dischargers of only segregated domestic wastes from sanitary conveniences)	2.83	<u>2.94</u>



SCHEDULE A – WASTEWATER DEPARTMENT RATES FOR TREATMENT SERVICE

EFFECTIVE ~~07/01/19~~07/01/20

Multi-Use Food Service Establishments and Domestic Waste Accounts

Accounts identified by EBMUD where there isare 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 MT 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 MT Code is calculated from the food service establishment or bakeries treatment rate and the domestic waste treatment rate.

MT Code		Current	
A	0-9% Food, 91-100% Domestic	\$2.830	<u>\$2.940</u>
B	10-19% Food, 81-90% Domestic	3.130	<u>3.252</u>
C	20-29% Food, 71-80% Domestic	3.430	<u>3.564</u>
D	30-39% Food, 61-70% Domestic	3.730	<u>3.876</u>
E	40-49% Food, 51-60% Domestic	4.030	<u>4.188</u>
F	50-59% Food, 41-50% Domestic	4.330	<u>4.500</u>
G	60-69% Food, 31-40% Domestic	4.630	<u>4.812</u>
H	70-79% Food, 21-30% Domestic	4.930	<u>5.124</u>
I	80-89% Food, 11-20% Domestic	5.230	<u>5.436</u>
J	90-99% Food, 1-10% Domestic	5.530	<u>5.748</u>
K	0-9% Bakery, 91-100% Domestic	2.830	<u>2.940</u>
L	10-19% Bakery, 81-90% Domestic	3.512	<u>3.649</u>
M	20-29% Bakery, 71-80% Domestic	4.194	<u>4.358</u>
N	30-39% Bakery, 61-70% Domestic	4.876	<u>5.067</u>
O	40-49% Bakery, 51-60% Domestic	5.558	<u>5.776</u>
P	50-59% Bakery, 41-50% Domestic	6.240	<u>6.485</u>
Q	60-69% Bakery, 31-40% Domestic	6.922	<u>7.194</u>
R	70-79% Bakery, 21-30% Domestic	7.604	<u>7.903</u>
S	80-89% Bakery, 11-20% Domestic	8.286	<u>8.612</u>
T	90-99% Bakery, 1-10% Domestic	8.968	<u>9.321</u>
Minimum Monthly Treatment Charge:			
6513	Apartment Buildings (5 or more units)	\$43.57	<u>\$45.30</u>
	All Others	7.02	<u>7.30</u>

Wastewater Department

Schedule B

Wet Weather Facilities Charge

FY21



**SCHEDULE B – WASTEWATER DEPARTMENT
WET WEATHER FACILITIES CHARGE**

EFFECTIVE ~~07/01/19~~07/01/20

Annual Charge Collected on Property Tax Bill¹

TYPE	RATE
Small Lot (0 - 5,000 sq. ft.)	\$ 111.24 <u>115.70</u>
Medium Lot (5,001 – 10,000 sq. ft.)	\$ 173.78 <u>180.74</u>
Large Lot (> 10,000 sq. ft.)	\$ 397.20 <u>413.10</u>

¹ 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 C

Industrial Permit Fees

FY21



**SCHEDULE C – WASTEWATER DEPARTMENT
INDUSTRIAL PERMIT FEES**

EFFECTIVE ~~07/01/19~~07/01/20

PERMIT TYPE	ANNUAL FEE
Wastewater Discharge Permit	\$ 2,810 <u>2,920</u>
Estimation Permit	\$ 1,060 <u>1,110</u>
Limited Term Discharge Permit	\$ 2,570 <u>2,670</u>

Wastewater Department

Schedule D

Other Fees

FY21



**SCHEDULE D – WASTEWATER DEPARTMENT
OTHER FEES**

EFFECTIVE ~~07/01/19~~07/01/20

TYPE	RATE
SF Bay Commercial Pollution Prevention Fee	\$5.48/month ¹
SF Bay Residential Pollution Prevention Fee	\$0.20/month per dwelling unit ²
Monitoring Fees	\$1,490 <u>1,550</u>
Violation Follow-Up Fees	
Stage 1	\$700 <u>730</u>
Stage 2	\$1,490 <u>1,550</u> + Testing Fees ³
Stage 3	\$3,070 <u>3,190</u> + Testing Fees ³
Private Sewer Lateral Compliance Fees	
Compliance Certificate ⁴	\$260 <u>270</u>
Time Extension Certificate	\$110
Inspection Reschedule	\$80
Extra Lateral or Additional Verification Test	\$70 per lateral
Off-Hours Verification	\$240 <u>220</u> for 2.5 hours
PSL Violation Follow-Up – Initial Fee	\$370 <u>380</u>
PSL Violation Follow-Up – Monthly Fee	\$100

¹SF Bay Commercial Pollution Prevention Fee applicable to all non-residential accounts.
²SF Bay Residential Pollution Prevention Fee applicable to all residential accounts. Fee will be charge per dwelling unit up to five dwelling units.
³Violation follow-up fees do not include required testing. Testing fees will be charged in accordance with Schedule E Wastewater Department Testing Fees.
⁴Compliance Certificate Fee may be assessed for performance of a Verification Test that results in issuance of a new Compliance Certificate or annotation of an existing Compliance Certificate.

EAST BAY MUNICIPAL UTILITY DISTRICT

UPDATE TO COST OF SERVICE (COS) STUDIES
OF APRIL 2015 AND MAY 2019

IN SUPPORT OF PROPOSED FY20 AND FY21
WATER AND WASTEWATER RATES

- Update to Chapter 7, April 2015 COS Study In Support of Proposed FY20 and FY21 Water System Rates & Charges
- Update to Chapter 5, May 2019 COS Study In Support of Proposed FY20 and FY21 Wastewater System Rates & Charges

7.0 PROPOSED FY20 & FY21 WATER SYSTEM CHARGES

This section updates Chapter 7.0 of the 2015 Cost of Service (COS) study for Fiscal Years 2020 and 2021 (FY20 and FY21) Water System rates and charges based on the District's FY20 and FY21 revenue requirements. The FY20 and FY21 revenue requirements are calculated from the District's budgeted operating, capital and debt expenses. The District's COS study rate model, prepared by Raftelis Financial Consultants, was used to calculate Water System rates and charges for FY20 and FY21 that meet the FY20 and FY21 revenue requirements, and are consistent with the District's COS calculations.

The District's proposed budgets for the Water System for FY20 and FY21 do not contain detailed budgeted costs by function. Accordingly data from FY15 was used as the Test Year (i.e., a full year of actual functionalized expense data available at the time the COS study commenced and which is a representative year for the District). The District does not anticipate that the distribution of expenses by function for FY20 and FY21 will be significantly different than the Test Year expenses. Based on the proposed budgets for FY20 and FY21, the COS results from the Test Year have been adjusted to match the FY20 and FY21 revenue requirements.

A detailed explanation of the proposed FY20 and FY21 operating expenses, capital improvement program, debt service expenses, revenue projections, and water sales for the Water System are contained in the Proposed Biennial Budget Fiscal Years 2020 and 2021 that was presented to the Board at the March 26, 2019 Budget Workshop.

This section documents the process and calculations made to determine the Water System rates and charges for FY20 and FY21.

7.1 FY20 AND FY21 WATER SYSTEM CHARGES AND CUSTOMER IMPACTS

Tables 7-1 and 7-2 show the current FY19 monthly Water System rates and charges that were developed with the FY19 revenue requirement and the Water System rates and charges calculated by the April 2015 COS study.

Table 7-1
Current FY19 Cost of Service Water Charges – Monthly Water Service Charge & Monthly Private Fire Service Charge (\$/Meter Size)

Meter Size	Monthly Water Service Charge	Monthly Private Fire Service Charge
5/8 and 3/4 inch	\$24.63	\$13.11
1 inch	\$37.20	\$18.01
1 1/2 inch	\$68.65	\$30.20
2 inch	\$106.36	\$44.84
3 inch	\$206.96	\$83.92
4 inch	\$320.13	\$127.85
6 inch	\$634.43	\$249.92
8 inch	\$1,011.64	\$396.39
10 inch	\$1,451.69	\$567.27
12 inch	\$2,017.52	\$786.97
14 inch	\$2,583.30	\$1,006.69
1 inch	\$3,274.84	\$1,275.25
16 inch	\$3,966.36	\$1,543.78

Table 7-2
Current FY19 Cost of Service Water System Charges – Flow Charge and Elevation Surcharge

		FY19
Flow Charges (\$/Ccf)		
SFR		
Tier 1	0-7 Ccf	\$3.76
Tier 2	8-16 Ccf	\$5.17
Tier 3	16+ Ccf	\$6.83
MFR		\$5.31
All Other Water Use		\$5.29
Nonpotable/Recycle Water		\$4.12
Elevation Surcharge (\$/Ccf)		
Pressure Zone 1 (0 - 1 Designator)		\$0.00
Pressure Zone 2 (2 - 5 Designator)		\$0.76
Pressure Zone 3 (6 and greater Designator)		\$1.58

Table 7-3 shows the revenue requirement for FY20 and FY21 as calculated based on the proposed FY20 and FY21 budgets for the water enterprise. Based on updated water sales projections for FY20 and FY21, the FY19 COS Water System Charges shown in Tables 7-1 and 7-2 need to be increased by 6.5 percent in FY20, and 6.25 percent in FY21 to meet the Water System revenue requirements¹.

**Table 7-3
Water System Revenue Requirements for FY20 and FY21**

Water	FY20			FY21		
	Operating	Capital	Total	Operating	Capital	Total
Revenue Requirements						
Operating - O&M Expenses	299,300,000		\$299,300,000	315,400,000		\$315,400,000
Capital - Debt Service		208,200,000	\$208,200,000		217,700,000	\$217,700,000
Capital - Expenses		337,700,000	\$337,700,000		385,500,000	\$385,500,000
Total Revenue Requirements	\$299,300,000	\$545,900,000	\$845,200,000	\$315,400,000	\$603,200,000	\$918,600,000
Revenue Offsets						
Property Taxes		35,000,000	\$35,000,000		35,800,000	\$35,800,000
Power	5,000,000		\$5,000,000	5,000,000		\$5,000,000
Interest	9,300,000		\$9,300,000	9,600,000		\$9,600,000
SCC Revenue		40,000,000	\$40,000,000		40,000,000	\$40,000,000
Operating Reimbursement	12,300,000		\$12,300,000	12,600,000		\$12,600,000
RARE Reimbursement	18,200,000		\$18,200,000	18,400,000		\$18,400,000
All Other		-	\$0		-	\$0
Transfer (to)/from Rate Stabilization Reserve	\$0		\$0	\$0	-500,000	(\$5,000,000)
Total Revenue Offsets	\$44,800,000	\$75,000,000	\$119,800,000	\$45,600,000	\$70,800,000	\$116,400,000
Adjustments						
Transfer of Cash for Capital from Other Funds	\$0	(181,900,000)	(\$181,900,000)	\$0	(219,700,000)	(\$219,700,000)
Total Adjustments	\$0	(\$181,900,000)	(\$181,900,000)	\$0	(\$219,700,000)	(\$219,700,000)
Cost of Service to be Recovered from Rates	\$254,500,000	\$289,000,000	\$543,500,000	\$269,800,000	\$312,700,000	\$582,500,000

¹ As discussed in the District's March 21, 2019 Memo to the Board of Directors on FY20 and FY21 rates.

Tables 7-4 and 7-5 show the proposed FY20 and FY21 Monthly Service Charges and Private Fire Service Charges, and the rates used for the water Flow Charge and Elevation Surcharge.

**Table 7-4
FY20 and FY21 Water System Charges – Monthly Water Service Charge & Monthly Private Fire Service Charge (\$/Meter Size)**

	FY20	FY21
Monthly Water Service Charge		
Meter Size		
5/8 and 3/4 inch	\$26.23	\$27.87
1 inch	\$39.62	\$42.10
1 1/2 inch	\$73.11	\$77.68
2 inch	\$113.27	\$120.35
3 inch	\$220.41	\$234.19
4 inch	\$340.94	\$362.25
6 inch	\$675.67	\$717.90
8 inch	\$1,077.40	\$1,144.74
10 inch	\$1,546.05	\$1,642.68
12 inch	\$2,148.66	\$2,282.95
14 inch	\$2,751.21	\$2,923.16
16 inch	\$3,487.70	\$3,705.68
18 inch	\$4,224.17	\$4,488.18
Monthly Private Fire Service Charge		
Meter Size		
5/8 and 3/4 inch	\$13.96	\$14.83
1 inch	\$19.18	\$20.38
1 1/2 inch	\$32.16	\$34.17
2 inch	\$47.75	\$50.73
3 inch	\$89.37	\$94.96
4 inch	\$136.16	\$144.67
6 inch	\$266.16	\$282.80
8 inch	\$422.16	\$448.55
10 inch	\$604.14	\$641.90
12 inch	\$838.12	\$890.50
14 inch	\$1,072.12	\$1,139.13
16 inch	\$1,358.14	\$1,443.02
18 inch	\$1,644.13	\$1,746.89

**Table 7-5
FY20 and FY21 Water System Charges – Flow
Charge and Elevation Surcharge**

		FY20	FY21
Flow Charges (\$/Ccf)			
SFR			
Tier 1	0-7 Ccf	\$4.00	\$4.25
Tier 2	8-16 Ccf	\$5.51	\$5.85
Tier 3	16+ Ccf	\$7.27	\$7.72
MFR		\$5.66	\$6.01
All Other Water Use		\$5.63	\$5.98
Nonpotable/Recycle Water		\$4.39	\$4.66
Elevation Surcharge (\$/Ccf)			
Pressure Zone 1 (0 - 1 Designator)		\$0.00	\$0.00
Pressure Zone 2 (2 - 5 Designator)		\$0.81	\$0.86
Pressure Zone 3 (6 and greater Designator)		\$1.68	\$1.79

The proposed customer water bill impacts, shown in Tables 7-6 through 7-8, reflect the increases described previously. Table 7-6 shows the SFR bill impacts at various levels of water usage for FY20. Bill impacts for FY21 are approximately 6.25 percent more than those shown below.

**Table 7-6
SFR Water Bill Impacts for FY20**

Use Level	Monthly Use (Ccf)	FY19	FY20	Difference (\$)	Difference (%)
		Current Bill	Proposed Bill		
Very Low	4	\$39.67	\$42.23	\$2.56	6.5%
Low	6	\$47.19	\$50.23	\$3.04	6.4%
Average	8	\$56.12	\$59.74	\$3.62	6.5%
High	10	\$66.46	\$70.76	\$4.30	6.5%
Very High	22	\$138.46	\$147.44	\$8.98	6.5%

All bill calculations assume 5/8" or 3/4" meter.

Table 7-7 shows the MFR bill impacts at various levels of water usage for FY20. Bill impacts for FY21 are approximately 6.25 percent more than those shown below.

**Table 7-7
MFR Water Bill Impacts for FY20**

Use Level	Monthly Use (Ccf)	FY19 Current Bill	FY20 Proposed Bill	Difference (\$)	Difference (%)
Very Low	15	\$116.85	\$124.54	\$7.69	6.6%
Low	20	\$143.40	\$152.84	\$9.44	6.6%
Average	42	\$260.22	\$277.36	\$17.14	6.6%
High	60	\$355.80	\$379.24	\$23.44	6.6%
Very High	100	\$568.20	\$605.64	\$37.44	6.6%

All bill calculations assume 1" meter.

Table 7-8 shows the Other (non-residential) bill impacts at various levels of water usage for FY20. Bill impacts for FY21 are approximately 6.25 percent more than those shown below.

**Table 7-8
Other Water Bill Impacts for FY20**

Use Level	Monthly Use (Ccf)	FY19 Current Bill	FY20 Proposed Bill	Difference (\$)	Difference (%)
Very Low	20	\$212.16	\$225.87	\$13.71	6.5%
Low	50	\$370.86	\$394.77	\$23.91	6.4%
Average	84	\$550.72	\$586.19	\$35.47	6.4%
High	100	\$635.36	\$676.27	\$40.91	6.4%
Very High	200	\$1,164.36	\$1,239.27	\$74.91	6.4%

All bill calculations assume 2" meter.

7.2 DROUGHT SURCHARGES

The 2015 COS study developed a detailed COS analysis to calculate Drought Surcharges that may be implemented by the District during various drought stages. Table 7-18 shows the District's drought stages and the applicable Drought Surcharge at each stage. The drought stages are part of the District's Water Shortage Contingency Plan which includes the elements contained below with respect to demand reduction and purchase of supplemental supplies of water as a water shortage becomes more severe. The 2015 COS study developed Drought Surcharges that would address the financial impact that customer reduction in water use would have during specified drought stages. The revenue requirement for each drought stage was developed and a Drought Surcharge was calculated to recover water shortage costs such as costs of acquiring and providing supplemental water, costs of water shortage-related customer service, and losses of revenue, which increase with each drought stage. The Drought Surcharges, expressed as percentage of the potable Water Flow Charge, are shown in Table 7-18. As part of the FY16 and FY17 budget process, the Board adopted the staged system of Drought Surcharges to recover water shortage-related costs.

**Table 7-18
Drought Stages and Drought Surcharges**

Stage	0	1	2	3	4
Demand Reduction		Voluntary 0-15%	Voluntary 0-15%	Mandatory up to 15%	Mandatory ≥15%
Supplemental Supplies			Up to 35,000 acre feet	35,000-65,000 acre feet	> 65,000 acre feet
Rates and Charges	Normal rates	Normal rates	Normal rates + Up to 8% surcharge	Normal rates + Up to 20% surcharge	Normal rates + Up to 25% surcharge

The District’s COS study developed Drought Surcharge percentages to be added to the potable Water Flow Charges of up to 8 percent, 20 percent and 25 percent to be imposed during drought Stages 2, 3 and 4, respectively. Drought surcharges would be applicable to all potable water customer accounts only if the EBMUD Board of Directors declares a Stage 2, 3, or 4 drought based on factors such as system water storage and the need to purchase supplemental supplies of water to meet customer demand. The Drought Surcharges correspond to increasingly severe stages of water shortages, and are added to the customer’s total potable water Flow Charge during the billing period. The Drought Surcharges are calculated to meet the Water System’s revenue requirements of each drought stage.

The District’s Drought Management Program Guidelines offer two scenarios for declaration of the different drought stages depending on whether the drought declaration is linked to local conditions, as measured by total system storage (TSS) in the District’s reservoirs, or to a state mandate, such as the mandatory water use reductions set by the State Water Resource Control Board in 2015.

Under the “TSS Scenario,” EBMUD declares different drought stages based upon projected end of September TSS as shown in Figure 7-19 of the 2015 UWMP. Table 7-20 of the 2015 UWMP shows the link between the drought stages and rates, penalties, and regulations in effect under the TSS scenario.

It is possible that the water use reductions required by state mandate could exceed water use reductions that would otherwise be called for based on the TSS. In the State Mandate Scenario, the drought stage and associated response actions would be guided by Table 7-21, which establishes stages based on state mandated customer demand reduction goals.

Under either scenario, EBMUD’s Board of Directors can enact the provisions of Section 28 of its Regulations Governing Water Service during drought Stages 2, 3, and 4. When these stages of drought are declared, the Board can also implement Drought Surcharges in accordance with the rates set forth in the District’s Proposition 218 notice.

Figure 7-19

Drought Management Program Guidelines

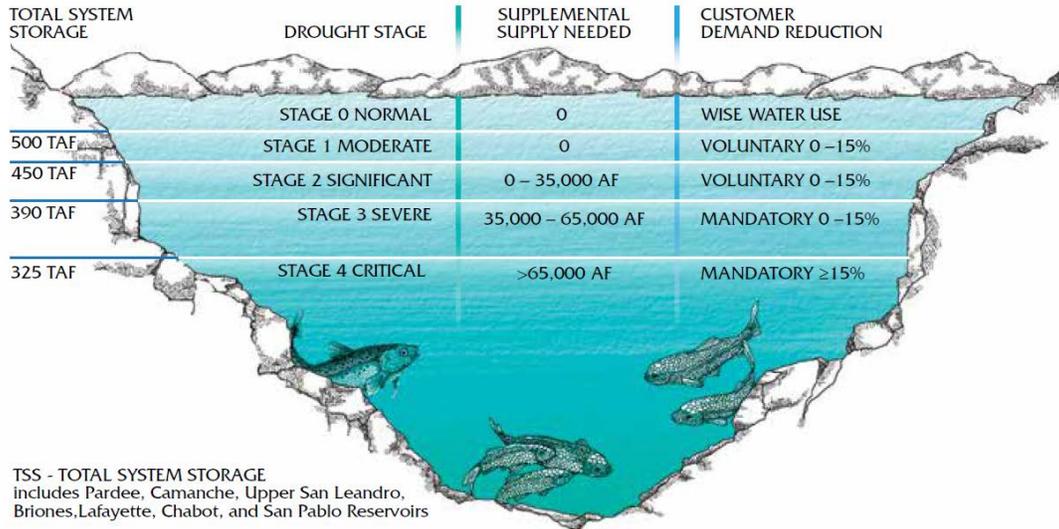


Figure 7-20

Drought Management Program Guidelines – TSS Scenario

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 DROUGHT SURCHARGE	SECTION 29
3 SEVERE	NORMAL RATES DROUGHT SURCHARGE EXCESSIVE USE PENALTY	SECTION 28 SECTION 29 EXCESSIVE USE ORDINANCE
4 CRITICAL	NORMAL RATES DROUGHT SURCHARGE EXCESSIVE USE PENALTY	SECTION 28 SECTION 29 EXCESSIVE USE ORDINANCE

Notes:
a Drought Surcharges will reflect the most recently adopted Proposition 218 rates.
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.

Figure 7-21

Drought Management Program Guidelines – State Mandate Scenario

STAGE	STATE MANDATED CUSTOMER DEMAND REDUCTION	RATE IMPACTS	REGULATIONS IN EFFECT OR POTENTIALLY ENACTED
0 OR 1	≤10%	NORMAL RATES	SECTION 29
2	10 – 15%	NORMAL RATES DROUGHT SURCHARGE	SECTION 28 SECTION 29
3	15 – 20%	NORMAL RATES DROUGHT SURCHARGE	SECTION 28 SECTION 29
4	≥20%	NORMAL RATES DROUGHT SURCHARGE	SECTION 28 SECTION 29

Notes:
a Drought Surcharges will reflect the most recently adopted Proposition 218 rates.
b The Board can enact Section 28 to implement conservation measures to achieve desired customer demand reductions.

The District does not anticipate a water shortage in FY20 or FY21 because of the high levels of water currently in storage due to recent storms and reduced customer demand. However, the Drought Surcharge percentages that were developed in the 2015 COS study and adopted for FY16 and FY17 will remain in effect in FY20 and FY21 as a contingency plan in the unanticipated event of a water shortage. If implemented, the Drought Surcharges would impact the rates of the water Flow Charge. Prior to implementing the Drought Surcharges, the District will update its drought-related costs and develop and adopt surcharges consistent with the COS study. The surcharge will not exceed the Drought Surcharge percentages listed above and the District’s costs of providing service. The District’s Proposition 218 notice for FY20 and FY21 includes information regarding these surcharges so that they remain available to the Board to implement in the event the District is in a water shortage that requires reductions in water use by its customers.

5.0 PROPOSED FY2020 & FY2021 WASTEWATER SYSTEM CHARGES

This section summarizes Chapter 5.0 of the May 2019 Wastewater COS study for the FY20 and FY21 Wastewater System rates and charges based on the District's FY20 and FY21 revenue requirements. The FY20 and FY21 revenue requirements are calculated from the District's budgeted operating, capital and debt expenses. The District's COS study rate model, prepared by Raftelis Financial Consultants, was used to calculate Wastewater System rate and charges for FY20 and FY21 that meet the FY20 and FY21 revenue requirements, and are consistent with the District's COS calculations.

The District's proposed budgets for the Wastewater System for FY20 and FY21 do not contain detailed budgeted costs by function. Accordingly data from FY17 was used as the Test Year (i.e., a full year of actual functionalized expense data available at the time the COS study commenced and which is a representative year for the District). The District does not anticipate that the distribution of expenses by function for FY20 and FY21 will be significantly different than the Test Year expenses. Based on the proposed Wastewater System budgets for FY20 and FY21, the COS results from the Test Year have been adjusted to match the FY20 and FY21 revenue requirements.

This section documents the process and calculations made to determine the Wastewater System rates and charges for FY20 and FY21

5.1 FY20 AND FY21 WASTEWATER SYSTEM CHARGES AND CUSTOMER IMPACTS

Tables 5-2 and 5-3 show the proposed FY19 Wastewater Service Charges that have been adjusted based on recommendations from the 2019 Wastewater COS study for residential and non-residential customers, respectively.

**Table 5-2
FY19 Cost of Service Adjusted Wastewater System Charges – Residential**

	FY19
Monthly Service Charge (per Account)	\$6.75
Monthly Strength Charge (per dwelling unit)	\$7.03
Minimum Monthly Charge	\$13.78
Plus: A flow charge per Ccf (maximum of 9 Ccf/mo)	\$1.22
Minimum monthly flow charge	\$0.00
Maximum monthly flow charge	\$10.98
Total Monthly Residential Charge	
Minimum monthly charge	\$13.78
Maximum monthly charge	\$24.76
Average monthly charge at 6 Ccf	\$21.10

**Table 5-3
FY19 Cost of Service Adjusted Wastewater System Charges – Non-Residential**

	FY19
Monthly Service Charge (per Account)	\$6.75
Treatment charge including flow processing (per Ccf of sewage discharge)	
Meat Products	\$8.55
Slaughterhouses	\$8.17
Dairy Product Processing	\$6.71
Fruit and Vegetable Canning	\$5.39
Grain Mills	\$5.37
Bakeries (including Pastries)	\$9.28
Sugar Processing	\$5.31
Rendering Tallow	\$16.10
Beverage Manufacturing & Bottling	\$4.03
Specialty Foods Manufacturing	\$17.35
Pulp and Paper Products	\$4.60
Inorganic Chemicals Mfgr.	\$5.92
Synthetic Material Manufacturing	\$1.39
Drug Manufacturing	\$2.99
Cleaning and Sanitation Products	\$6.05
Paint Manufacturing	\$11.67
Ink and Pigment Manufacturing	\$4.22
Leather Tanning and Finishing	\$16.12
Earthenware Manufacturing	\$3.27
Primary Metals Manufacturing	\$2.59
Metal Products Fabricating	\$1.51
Drum and Barrel Manufacturing	\$16.42
Metal Coating	\$1.64
Air Transportation	\$2.16
Groundwater Remediation	\$1.23
Food Service Establishments	\$5.61
Apartment Buildings (5 or more units)	\$2.72
Hotels, Motels with Food Service	\$4.03
Commercial Laundries	\$3.63
Coin Operated Laundromats	\$2.72
Industrial Laundries	\$10.32
Laboratories	\$1.95
Automobile Washing and Polishing	\$2.58
Hospitals	\$2.48
Schools	\$1.82
All Other BCC (includes dischargers of only segregated domestic wastes from sanitary conveniences)	\$2.72

Table 5-4 shows the current FY19 Wet Weather Facilities Charges adjusted for the recommended changes from the 2019 Wastewater COS study.

**Table 5-4
FY19 Cost of Service Adjusted Wet Weather Facilities Charges**

Lot Size (sq ft)	FY19
0-5,000	\$106.96
5,001-10,000	\$167.10
over 10,000	\$381.92

Using the FY17 test year, the 2019 Wastewater COS study recommended slight changes to ensure the wastewater rates and charges align with the treatment costs. Table 5-5 shows the revenue requirements for FY20 and FY21 based on the proposed FY20 and FY21 budgets for the wastewater enterprise. Based on an updated projection of treatment revenues for FY20 and FY21, the FY19 COS adjusted wastewater user charges, shown in Tables 5-2 through 5-4, have been further adjusted by a 4.0 percent increase in FY20 and a 4.0 percent increase in FY21 to meet the Wastewater System’s revenue requirements².

**Table 5-5
Wastewater System Revenue Requirements for FY20 and FY21**

Wastewater	FY20			FY21		
	Operating	Capital	Total	Operating	Capital	Total
Revenue Requirements						
O&M Expenses	\$75,100,000		\$75,100,000	\$78,600,000		\$78,600,000
Capital - Debt Service		\$30,200,000	\$30,200,000		\$29,800,000	\$29,800,000
Capital - Expenses		\$48,500,000	\$48,500,000		\$46,000,000	\$46,000,000
Total Revenue Requirements	\$75,100,000	\$78,700,000	\$153,800,000	\$78,600,000	\$75,800,000	\$154,400,000
Revenue Offsets						
Resource Recovery	\$6,089,050	\$3,910,950	\$10,000,000	\$6,089,050	\$3,910,950	\$10,000,000
Property Taxes		\$5,400,000	\$5,400,000		\$5,600,000	\$5,600,000
Ad Valorem Bond Levy		\$0	\$0		\$0	\$0
Interest	\$2,400,000		\$2,400,000	\$2,100,000		\$2,100,000
Laboratory Services	\$4,400,000		\$4,400,000	\$4,500,000		\$4,500,000
Reimbursements	\$1,500,000		\$1,500,000	\$1,500,000		\$1,500,000
Permit Fees	\$1,600,000		\$1,600,000	\$1,600,000		\$1,600,000
Capacity Charges		\$4,000,000	\$4,000,000		\$4,000,000	\$4,000,000
All Other Revenue	\$2,200,000	\$3,500,000	\$5,700,000	\$2,200,000	\$3,500,000	\$5,700,000
Transfer (to)/from Rate Stabilization Reserve (RSR)	\$0		\$0	\$0		\$0
Total Revenue Offsets	\$18,189,050	\$16,810,950	\$35,000,000	\$17,989,050	\$17,010,950	\$35,000,000
Adjustments						
Transfer of Cash for Capital from Other Funds		(\$13,600,000)	(\$13,600,000)		(\$10,000,000)	(\$10,000,000)
Total Adjustments	\$0	(\$13,600,000)	(\$13,600,000)	\$0	(\$10,000,000)	(\$10,000,000)
Cost of Service to be Recovered from Rates	\$56,910,950	\$48,289,050	\$105,200,000	\$60,610,950	\$48,789,050	\$109,400,000

² As summarized in the District’s March 21, 2019 Memo to the Board of Directors on FY20 and FY21 rates.

Tables 5-6 and 5-7 show the proposed FY20 and FY21 Wastewater System Charges for residential and non-residential customers, respectively.

**Table 5-6
FY20 and FY21 Wastewater System Charges – Residential**

	FY20	FY21
Monthly Service Charge (per Account)	\$7.02	\$7.30
Monthly Strength Charge (per dwelling unit)	\$7.31	\$7.60
Minimum Monthly Charge	\$14.33	\$14.90
Plus: A flow charge per Ccf (maximum of 9 Ccf/mo)	\$1.27	\$1.32
Minimum monthly flow charge	\$0.00	\$0.00
Maximum monthly flow charge	\$11.43	\$11.88
Total Monthly Residential Charge		
Minimum monthly charge	\$14.33	\$14.90
Maximum monthly charge	\$25.76	\$26.78
Average monthly charge at 6 Ccf	\$21.95	\$22.82

**Table 5-7
FY20 and FY21 Wastewater System Charges – Non-Residential**

	FY20	FY21
Monthly Service Charge (per Account)	\$7.02	\$7.30
Treatment charge including flow processing (per Ccf of sewage discharge)		
Meat Products	\$8.90	\$9.24
Slaughterhouses	\$8.50	\$8.83
Dairy Product Processing	\$6.98	\$7.25
Fruit and Vegetable Canning	\$5.61	\$5.83
Grain Mills	\$5.58	\$5.80
Bakeries (including Pastries)	\$9.65	\$10.03
Sugar Processing	\$5.53	\$5.74
Rendering Tallow	\$16.74	\$17.40
Beverage Manufacturing & Bottling	\$4.19	\$4.36
Specialty Foods Manufacturing	\$18.05	\$18.75
Pulp and Paper Products	\$4.79	\$4.98
Inorganic Chemicals Mfgr.	\$6.16	\$6.40
Synthetic Material Manufacturing	\$1.44	\$1.50
Drug Manufacturing	\$3.11	\$3.23
Cleaning and Sanitation Products	\$6.30	\$6.54
Paint Manufacturing	\$12.14	\$12.61
Ink and Pigment Manufacturing	\$4.39	\$4.56
Leather Tanning and Finishing	\$16.77	\$17.43
Earthenware Manufacturing	\$3.40	\$3.53
Primary Metals Manufacturing	\$2.69	\$2.80
Metal Products Fabricating	\$1.57	\$1.64
Drum and Barrel Manufacturing	\$17.08	\$17.74
Metal Coating	\$1.71	\$1.77
Air Transportation	\$2.25	\$2.34
Groundwater Remediation	\$1.28	\$1.34
Food Service Establishments	\$5.83	\$6.06
Apartment Buildings (5 or more units)	\$2.83	\$2.94
Hotels, Motels with Food Service	\$4.19	\$4.36
Commercial Laundries	\$3.77	\$3.92
Coin Operated Laundromats	\$2.83	\$2.94
Industrial Laundries	\$10.73	\$11.15
Laboratories	\$2.02	\$2.11
Automobile Washing and Polishing	\$2.68	\$2.79
Hospitals	\$2.57	\$2.68
Schools	\$1.89	\$1.97
All Other BCC (includes dischargers of only segregated domestic wastes from sanitary conveniences)	\$2.83	\$2.94

Table 5-8 shows the Wet Weather Facilities Charges for FY20 and FY21 with the adjustment for the 2019 COS study and a further adjustment of a 4.0 percent increase for each year. When compared to the current FY19 charge that does not include the adjustments for the 2019 COS study, the FY20 increase to the annual Wet Weather Facilities Charge is 7.2 percent.

**Table 5-8
FY20 and FY21 Wet Weather Facilities Charges**

Lot Size (sq ft)	FY20	FY21
0-5,000	\$111.24	\$115.70
5,001-10,000	\$173.78	\$180.74
over 10,000	\$397.20	\$413.10

The resulting customer bill impacts, shown in Tables 5-9 and 5-10, reflect the increases described previously. Table 5-9 shows the bill impacts for different customers with typical water usage for FY20. Bill impacts for FY21 are approximately 4.0 percent more than those shown below.

**Table 5-9
Typical Customers' Wastewater Bill Impacts for FY20**

Customer Class	Monthly Use (Ccf)	FY19 Current Bill	FY20 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 Bay Pollution Prevention Charge

Table 5-10 shows the annual charges for the FY20 Wet Weather Facilities Charge collected on the property tax bill for different customers with typical lot sizes. For properties that do not receive a property tax bill, the Wet Weather Facilities Charges are collected on the water bill. The increase to the annual Wet Weather Facilities Charge for FY21 is approximately 4.0 percent more than those shown below.

**Table 5-10
Wet Weather Facilities Charge Impacts for FY20**

Customer Class	Median Lot Size (sq ft)	FY19 Current Bill	FY20 Proposed Bill	Difference (\$)	Difference (%)
SFR	4,800	\$103.74	\$111.24	\$7.50	7.2%
Duplex	4,500	\$103.74	\$111.24	\$7.50	7.2%
Triplex	5,130	\$162.06	\$173.78	\$11.72	7.2%
Fourplex	5,400	\$162.06	\$173.78	\$11.72	7.2%
Apartment	7,400	\$162.06	\$173.78	\$11.72	7.2%
All Other	14,300	\$370.44	\$397.20	\$26.76	7.2%