



*East Bay Municipal Utility District  
Oakland, California*

# Biennial Report and Recommendation of The General Manager Fiscal Year 2016 - 2017

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



***FY2016 and FY2017***

**Biennial Report and  
Recommendation of the  
General Manager**

***Revisions to the Water and Wastewater System***

***Schedule of Rates and Charges, Recreation Fees and***

***System Capacity Charges***

*Presented to the Board of Directors  
by Alexander R. Coate, General Manager on  
May 12, 2015*

***East Bay Municipal Utility District***



**East Bay Municipal Utility District**

**TABLE OF CONTENTS**

**Biennial Report and Recommendation of the General Manager  
Revisions to the Water and Wastewater System  
Schedule of Rates and Charges, Recreation Fees and  
System Capacity Charges  
FY2016 and FY2017**

Chapter-Page

GENERAL MANAGER’S MEMORANDUM

CHAPTER 1 – RECOMMENDED REVISIONS TO WATER CHARGES  
AND FEES

Introduction .....	1-1
Recommended Revisions to Water System Rates .....	1-2
Discussion of Water Rates and Charges .....	1-3
Overall Water System Rates and Charge Increase .....	1-3
Water System Staged System of Drought Surcharges.....	1-4
Water System Cost of Service Study .....	1-7
Water System FY16 and FY17 Rates and Charges .....	1-8
Water System FY16 and FY17 Drought Surcharges.....	1-11
Recommended Revisions to Other Water Charges .....	1-14
Rates Revisions for Schedules C – Charges for Special Services .....	1-14
Water Service Regulations .....	1-15
Section 1 – Explanation of Terms Used in these Regulations.....	1-15
Section 2 – Applying for Services .....	1-15
Section 3 – Standard Service .....	1-15
Section 9 – Guarantee Deposits.....	1-16
Section 29 – Prohibiting Wasteful Use of Water .....	1-16
Section 30 – Nonpotable Water Service .....	1-16
Section 31 – Water Efficiency Requirements.....	1-16
Public Records Act Fee Schedule.....	1-17
Recreation Fees .....	1-17
Camanche Hills Hunting Preserve .....	1-17
Camanche North and South Recreation Areas .....	1-17
Pardee Recreation Area.....	1-18
Lafayette Recreation Area .....	1-18
San Pablo Recreation Area.....	1-18
Watershed Trails.....	1-18
Exhibit 1A – Comparative Residential Water Charges – 10 Ccf .....	1-19
Exhibit 1B – Comparative Residential Water Charges – 20 Ccf .....	1-20

# East Bay Municipal Utility District

## TABLE OF CONTENTS

Chapter-Page

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

Introduction .....	2-1
Recommended Revisions to the System Capacity Charges .....	2-1
Discussion of System Capacity Charges .....	2-2
Future Water Supply Component Details.....	2-5
Other Changes .....	2-6
Exhibit 1 – Distribution System SCC Regions.....	2-8
Exhibit 2 – FY16 SCC Calculation Tables.....	2-9

### CHAPTER 3 - WASTEWATER SYSTEM RATES AND CHARGES

Introduction .....	3-1
Recommended Revisions to the Wastewater System Rates and Charges .....	3-1
Discussion of Wastewater Rates and Charges .....	3-2
Overall Wastewater System Rates and Charge Increase.....	3-2
Wastewater System Cost of Service Study.....	3-3
Wastewater System FY16 and FY17 Treatment Charges.....	3-4
Wastewater System FY16 and FY17 Wet Weather Facilities Charges.....	3-6
Wastewater Permit Fees.....	3-7
Exhibit 1 – Comparative Residential Wastewater Charges .....	3-8

### CHAPTER 4 – WASTEWATER CAPACITY FEES

Introduction .....	4-1
Recommended Revisions to Wastewater Capacity Fees.....	4-1
Discussion of Wastewater Capacity Fees.....	4-1
Exhibit 1 – Wastewater Capacity Fee Calculation Tables .....	4-3

### CHAPTER 5 - RECOMMENDED SCHEDULES OF RATES, CHARGES AND FEES

FY16 Water System	
Schedule A – Rate Schedule for Water Service	
Schedule C – Charges for Special Services	
Schedule H – Standard Participation Charge (SPC)	
Schedule J – System Capacity Charge (SCC)	
Schedule L – Drought Surcharge Rate Schedule for Water Service	
Schedule N – Water Demand Mitigation Fees	

# East Bay Municipal Utility District

## TABLE OF CONTENTS

### CHAPTER 5 - RECOMMENDED SCHEDULES OF RATES, CHARGES AND FEES (continuation)

- Regulations Section 1 – Explanation of Terms Used in these Regulations
- Regulations Section 2 – Applying for Services
- Regulations Section 3 – Standard Service
- Regulations Section 9 – Guarantee Deposits
- Regulations Section 29 – Prohibiting Wasteful Use of Water
- Regulations Section 30 – Nonpotable Water Service
- Regulations Section 31 – Water Efficiency Requirements
- Recreation Use Fees for Calendar Years 2016 and 2017
- Public Records Act Fee Schedule

#### FY16 Wastewater System

- Schedule A – Rates for Treatment Service
- Schedule D – Other Fees
- Schedule F – Wet Weather Facilities Charge
- Schedule G – Capacity Fees

#### FY17 Water System

- Schedule A – Rate Schedule for Water Service
- Schedule L – Drought Surcharge Rate Schedule for Water Service

#### FY17 Wastewater System

- Schedule A – Rates for Treatment Service
- Schedule D – Other Fees
- Schedule F – Wet Weather Facilities Charge





## EAST BAY MUNICIPAL UTILITY DISTRICT

---

DATE: May 7, 2015

MEMO TO: Board of Directors

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

SUBJECT: FY16-17 Biennial Report and Recommendation of the General Manager for Revisions to the Water and Wastewater System Schedule of Rates and Charges, and Recreation Fees

The District creates a biennial report with recommendations on rates and charges, both those subject to Proposition 218 such as water and wastewater rates, and those not subject to Proposition 218 such as capacity fees and charges for special services that are subject to Proposition 26. Water and wastewater rates and charges subject to Proposition 218 were presented to the Board along with the proposed Fiscal Year 2016 and 2017 (FY16 and FY17) operating and capital budgets at the March 24, 2015 budget workshop. The Board also received the public notice setting the hearing date for rates and charges subject to Proposition 218. A second follow-up budget workshop was held on April 14 and staff issued the Proposition 218 notice with the requisite changes on April 15, 2015. 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 Proposition 218 public hearing will be held on June 9, 2015.

The proposed rates and charges are designed to recover costs identified in the proposed FY16 and FY17 operating and capital budgets and to meet Board policy goals. On April 14, 2015, the Board declared a Stage 4 critical water shortage emergency and set a District-wide goal to reduce water use by 20% compared to 2013. Because the water shortage conditions have significant financial impacts on the District, the proposed FY16 and FY17 rates and charges include separate drought surcharges to be imposed on the water use of all potable water customer accounts. The drought surcharges are designed to recover water shortage related costs.

In preparation for the FY16 and FY17 budget and rates, a series of six Board workshops were held to discuss the District's long-term financial stability including reviewing financial policies and capital funding strategies, and developing a system of staged drought surcharges. Additionally, EBMUD retained Raftelis Financial Consultants to perform an independent cost of service (COS) study for the water and wastewater systems, including a study of the proposed drought rate structure to ensure rates and charges compliant with Proposition 218. The District's update to the COS study for the water and wastewater systems ensures that its rates and charges are appropriately and equitably established consistent with California law. The COS study identified adjustments to individual water and wastewater rates and charges to conform to COS principles. The proposed FY16 and FY17 rates incorporate the COS adjustments as well as those necessary to address proposed FY16 and FY17 expenditures. The COS study also substantiated the District's proposed drought surcharges. The Board also conducted four special Board meetings in various parts of the District's service area to present information to the public

regarding the District's proposed water shortage response measures and proposed system of drought surcharges.

As part of the long-term financial stability effort, the District developed a system of drought surcharges to address potential water shortage conditions; this effort has well prepared the District to face the record low water supplies that developed over this past winter and spring. After extensive outreach, the District developed a staged system of drought surcharges designed to recover water shortage related costs. The drought surcharge is calculated based on projected increased drought costs and decreased revenues as a result of conservation at each stage and can be expressed as a percentage of the volumetric charge. If approved, the amount of the drought surcharge under the Stage 4 water shortage emergency is a maximum of up to 25% of the volumetric charge.

The Board held its first budget workshop on March 24, 2015 at which staff presented the FY16-17 Proposed Biennial Budget and Proposed Rates and Charges subject to Proposition 218, Including Proposed Drought Rate Structure. A follow up workshop was held on April 14 where staff addressed issues raised by the Board on March 24. On April 14, 2015, the Board declared a Stage 4 water shortage emergency and a mandatory District-wide water use reduction goal of 20% and adopted revised regulations regarding mandatory water use prohibitions and restrictions. This 20% conservation goal is consistent with the Governor's April 1, 2015 drought emergency order and with an April 7, 2015 State Water Resources Control Board proposed rulemaking which initially identified a 20% water reduction goal for EBMUD, and later revised it to 16%. The rate proposal presented in this report reflects the Board recommendations from the April 14, 2015 Board workshop and Board meeting, including the recommendation for a call for conservation to achieve a District-wide water use reduction level of 20%.

Recommended changes to Water System rates and charges are:

*Water Rates and Charges and Drought Surcharges:*

- Increase water rates and charges (meter, volume, elevation charges, non-potable (recycled water), and private fire service) 8.0% overall for FY16 and 7.0% overall for FY17. These rate increases support the proposed FY16 and FY17 operating and capital expenses, excluding the drought contingency expenses.
- Implement the updated COS study results. This will require adjustments to individual meter, volume, elevation, non-potable, and private fire service rates and charges. Although the overall rate increase will be 8.0% and 7.0% respectively as described above, the adjustments in FY16 reflecting the COS study will result in different rate increases for each customer class and for individual customers within each customer class depending on water use and meter size.

- Sunset the Seismic Improvement Program surcharge as of the end of FY15, because the revenues collected to date are sufficient to cover the remaining cost of the program.
- Implement a schedule of drought surcharges to recover the water shortage costs and coincide with the Drought Management Program Guidelines approved by the Board on April 14, 2015.
- Remove the Nonpotable Water Use Incentive Rate and additional water charge for unauthorized water use from private fire service meters from Water System Schedule A - Rates and Charges for Water Service.

*Other Water Fees and Charges:*

- Implement increases and changes to the System Capacity Charge (SCC), Standard Participation Charge (SPC), and Water Demand Mitigation Fees to reflect changes in District costs.
- Implement proposed changes to Water System Schedule C – Charges for Special Services. The changes increase the Service Trip Charge, Service Interruption Charges and the Hydrant Meter Account Visit Charge to reflect current costs.
- Modify Water Service Regulations Sections 1, 2, 3, 9, 29, 30 and 31 to update and clarify District service regulations.
- Update the Recreation Fees and Public Records Act Fee Schedules for specific fee changes.
- Make other non-substantive changes to regulations and schedules.

The proposed water rate increases are consistent with projections made in FY13, when the FY14-15 biennial budget was adopted. At that time, it was projected that rates in FY16 and FY17 would need to increase by 8.0% and 7.0% respectively. The District's ability to remain true to its projections is notable given that the FY16-17 budget is based on lower demand projections. District revenues are in large part dependent upon water usage. The proposed rates are based on the assumption that water consumption will be 151 million gallons per day (mgd) in FY16 and FY17. This is about 11.5% lower than had been projected when the FY14-15 budget was adopted. The rate increases for FY16-17 are consistent with the levels projected for these years largely as a result of operating cost savings and lower benefits costs.

The proposed drought surcharges are designed to raise funds necessary to cover water shortage-related costs. The District's proposed FY16-17 budget recognizes the potential impacts of the extraordinary drought currently affecting the state. Whereas the rates and charges discussed above address the District's ongoing expenditures, the drought surcharges are designed to

address the financial impacts of the drought and proportionally recover the costs of providing water service. Drought-related costs include the purchase of water, increased treatment costs, outreach and conservation, and other drought expenses. As lowering demand below the 151 mgd budget assumption decreases revenue to address ongoing budgetary needs, drought surcharges will also help mitigate the financial impact of additional customer conservation.

The overall rate increases of 8% in FY16 and 7% in FY17 and COS adjustments will raise the monthly bill for the “average” single family residential customer to \$52.17 in FY16, a \$3.57 (7.3%) increase, and to \$55.83 in FY17, a \$3.66 (7.0%) increase, excluding the Stage 4 drought surcharges. Note that the “average” customer is presumed to use 10 CCF or 246 gallons per day per month, a historic average which does not reflect reductions from recent calls for conservation. If the average customer does not reduce his or her consumption and continues to use 10 CCF per month during the Stage 4 drought, he or she would pay a drought surcharge of \$8.08 in FY16 and \$8.74 in FY17 on top of their monthly bill for 10 CCF per month water use.

Recommended changes to Wastewater System rates and charges are:

*Wastewater Treatment Rates and Wet Weather Facilities Charge:*

- Increase Wastewater Treatment Rates (Service, Strength, Flow) and Wet Weather Facilities Charge 5.0% overall for FY16 and 5.0% overall for FY17. These rate increases support the proposed FY16 and FY17 operating and capital expenses.
- Implement the updated COS study results. This will require adjustments to individual wastewater treatment unit rates for flow, inflow and infiltration, chemical oxygen demand filtered, total suspended solids, and customer service.
- Revise the structure for the Wet Weather Facilities Charge to be based on the customer’s lot size. Although the overall rate increase will be 5.0% and 5.0% as described above, the adjustments in FY16 reflecting the COS study will result in different rate increases for each business classification code and lot size.

*Other Wastewater Fees and Charges:*

- Increase the Wastewater Capacity Fee to reflect changes in District costs and to implement the third year of the five-year phase-in of the updated fee approved by the Board in 2013.
- Increase the industrial monitor permit fee by 10.3% in FY16 and 10.2% in FY17 as shown in Schedule D - Wastewater Department Other Fees (see Tab 5).

The proposed wastewater rate increases are consistent with projections made in FY13, when the FY14-15 biennial budget was adopted. At that time, it was projected that rates in FY16 and

FY17 would need to increase by 5.0% and 5.0% respectively. The proposed rate increases are consistent with those projections. The District's ability to remain true to its projections is notable given that the FY16-17 budget is based on lower projections of treatment flows due to reduced water use. District wastewater revenues are in part dependent upon billed water usage. The proposed rates are based on the assumption that wastewater rate revenue will be about 4% lower than had been projected when the FY14-15 budget was adopted. The rate increases for FY16-17 are consistent with the levels projected for these years largely as a result of operating cost savings, lower benefits costs, debt service savings from refinancing, and increased Resource Recovery revenues.

When combined with the 5% overall rate increase for FY16 for wastewater, the wastewater COS adjustments result in a decrease of \$0.24 per month from \$19.25 to \$19.01 (-1.3%) on the monthly wastewater charge collected on the water bill for the average residential customer. For FY17, the average bill will increase \$0.92 per month from \$19.01 to \$19.93 (4.8%). The monthly charges include the San Francisco Bay Residential Pollution Prevention Program monthly fee, which remains at \$0.20 per month for FY16 and FY17.

The recommendations in this memo include water and wastewater rates and charges subject to California Constitution article XIII D, section 6 (commonly referred to as Proposition 218), including the proposed drought surcharges. 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 9, 2015 to consider the adoption of the rates and charges. The Proposition 218 notice was sent by mail to the record owners of parcels upon which the proposed rates and charges will be imposed and tenants directly liable for the payment of the proposed rates and charges (i.e., "customers" who are not property owners,) at least 45 days prior to the scheduled public hearing. Any record owner and any customer may submit a written protest to the proposed rate increases; provided, however, only one written protest will be counted per identified parcel. Each protest must: (1) be in writing; (2) state that the identified property owner or customer is in opposition to the proposed increases to the rates and charges; (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 rate increases may be personally delivered to the District, submitted at the hearing, or mailed to the District. To be tabulated, however, any written notice must be received by the District prior to the close of the hearing. If a majority of the affected parcel owners and customers submit written protests, the proposed rate increases may not be imposed. The Proposition 218 notice for the recommended rate increases were mailed to all parcel owners and customers by April 24, 2015 in compliance with Proposition 218 requirements.

The proposed water and wastewater rates and other charges, including Stage 4 drought surcharges, are recommended to be effective on bills issued on or after July 1, 2015 for FY16 and on or after July 1, 2016 for FY17. Changes to the public records act fees will be effective on July 1, 2015. Changes to SCC, SPC, Water Demand Mitigation fees, and Wastewater Capacity Fees for FY16 are proposed to be effective on August 10, 2015, or sixty days following adoption by

Board of Directors  
May 7, 2015  
Page 6

the Board. Changes to recreation fees are proposed to be effective January 1, 2016 for the 2016 increases and January 1, 2017 for the 2017 increases.

ARC:ELS: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 and charges biennially in conjunction with development of its budget. The rates and charges are designed to recover costs identified in the proposed operating and capital budgets and to meet Board policy goals. The District's water rate includes 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). The proposed overall rate increase is 8% for FY16 and 7% for FY17.

The District is proposing to sunset the Seismic Improvement Program Surcharge after FY15. The District levied this surcharge to fund needed system-wide seismic improvements made since 1995. The District has collected sufficient revenues to cover the seismic improvement expenditures presented to ratepayers when the surcharge was first implemented. Accordingly, the District is proposing to sunset this surcharge.

New this year are drought surcharges developed in response to record low water supplies. The state is currently experiencing a fourth year of below average precipitation and drought. After extensive outreach the District developed a staged system of drought surcharges designed to recover water shortage related costs. The drought surcharge is calculated based on projected increased drought costs and decreased water use at each stage and can be expressed as a percentage of the volumetric charge. The amount of the drought surcharge depends upon the drought stage declared by the Board, with a maximum of up to 25% of the volumetric charge for a Stage 4 drought.

In addition to the Water Service Charge and the Water Flow Charge, District rates and charges levied under specified circumstances include a water elevation surcharge, a private fire service charge, non-potable (recycled water) charges, and other ancillary charges, as well as the newly proposed drought rates. The District completed a cost of service (COS) study in FY15 to ensure that all of the District's rates and charges are appropriately and equitably established consistent with California law. As a result of the study, rate increases will differ for each customer class and for individual customers within each customer class depending on water use characteristics and meter size. Illustrations of the varying impacts are presented below for FY16 and FY17 both with and without drought surcharges.

Details of the cost of service adjustments and the FY16 and FY17 rate calculations, including drought surcharges, are contained in the District's COS study. They are also addressed in the General Manager's March 19, 2015 memo to the Board which discusses the proposed FY16 and FY17 rates that are subject to Proposition 218, including drought rates.

The water system's rates and charges will be effective on bills issued on or after July 1, 2015 for FY16 and on or after July 1, 2016 for FY17. At its April 14, 2015 meeting the Board declared a Stage 4 drought; therefore, the FY16 Stage 4 drought surcharges will be effective on July 1, 2015.

## RECOMMENDATIONS

The recommendations in this section of this report cover the Water System rates and charges, including the Water Service Charge, Water Flow Charge (consumption), Drought Surcharges, Water Elevation Surcharge, Private Fire Service Charge, and charges related to the installation of water and private fire service and other ancillary charges.

Recommended changes to Water System rates and charges are:

### *Water Rates and Charges and Drought Surcharges:*

- Increase water rates and charges (meter, volume, elevation charges, non-potable (i.e., recycled water), and private fire service) 8.0% overall for FY16 and 7.0% overall for FY17. These rate increases support the proposed FY16 and FY17 operating and capital expenses, excluding the drought contingency expenses.
- Implement the updated COS study results. This will require adjustments to individual meter, volume, elevation, non-potable, and private fire service rates and charges. Although the overall rate increase will be 8.0% and 7.0% respectively as described above, the adjustments in FY16 reflecting the COS study will result in different rate increases for each customer class and for individual customers within each customer class depending on water use and meter size.
- Adopt the FY16 and FY17 water rates and charges as shown in Water System Schedule A – Rates and Charges for Water Service (see Tab 5).
- Sunset the Seismic Improvement Program surcharge as of the end of FY15, because the revenues collected to date are sufficient to cover the remaining cost of the program.
- Implement a schedule of drought surcharges as shown in Water System Schedule L – Drought Surcharge Rate Schedule for Water Service (see Tab 5) to coincide with the drought stages and Drought Management Program Guidelines approved by the Board on April 14, 2015.
- Remove the Nonpotable Water Use Incentive Rate and additional water charge for unauthorized water use from private fire service meters from Water System Schedule A – Rates and Charges for Water Service.

### *Other Water Fees and Charges:*

- Implement proposed changes to Water System Schedule C – Charges for Special Services. The changes increase the Service Trip Charge, Service Interruption Charges and the Hydrant Meter Account Visit Charge to reflect current costs.
- Modify Water Service Regulations Sections 1, 2, 3, 9, 29, 30 and 31 to update and clarify District service regulations.

- Update the Recreation Fees and Public Records Act Fee Schedules for specific fee changes.

## DISCUSSION

### Water Rates and Charges

#### Increase overall water system rates and charges by 8.0% in FY16 and 7.0% in FY17

The purpose of water system rates and charges is to recover costs in the District's operating and capital budgets and to meet the Board's policy goals. The proposed rate increases address the District's needs as presented in its proposed biennial budget for FY16-17. Details of the proposed individual rate increases are shown below under **Water System Cost of Service and FY16 and FY17 Proposed Rates**. Details of the FY16 and FY17 budget objectives, operating budget, capital expenses, and debt expenses are available in the FY16 and FY17 Biennial Budget and Capital Project Summaries.

The proposed rate increases are consistent with projections made in FY13, when the FY14-15 biennial budget was adopted. At that time, it was projected that rates in FY16 and FY17 would need to increase by 8.0% and 7.0% respectively. The proposed rate increases are consistent with those projections.

The District's ability to remain true to its projections is notable given that the FY16-17 budget is based on lower demand projections. District revenues are in large part dependent upon water usage. The proposed rates are based on the assumption that water consumption will be 151 million gallons per day (mgd) in FY16 and FY17. This is about 11.5% lower than had been projected when the FY14-15 budget was adopted. The rate increases for FY16-17 are consistent with the levels projected for these years largely as a result of operating cost savings, lower benefits costs, and debt savings from refinancings.

The rate increases for FY16-17 are sized to accommodate costs incurred during those budget years. Table 1 below illustrates the amount of revenue needed from the FY16-17 rate increases in order to fund FY17 expenditures. Between FY15 and FY17 operation and maintenance (O&M), debt service, and capital expenses are budgeted to increase to varying degrees. In total, expenses in FY17 are projected to be \$678.5 million, 11.9% higher than FY15. The District can access a variety of non-rate based revenues such as property taxes, capacity charges, reserves, and bond proceeds. These revenues are projected to cover \$225.5 million of expenditures in FY17, leaving \$453.0 million to be addressed from rate revenues. FY15 rate revenues generated \$394.0 million of the necessary \$453.0 million, leaving \$59.0 million, or 15%, of incremental expenditures to be addressed from rate increases. This 15% is proposed to be distributed over two years, with an 8% increase in FY16 and a 7% increase in FY17, consistent with the projections made when the FY14-15 budget was adopted.

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

	FY15	FY17	2-Yr Δ
<b>Revenue Requirement</b>			
+ O&M expense	\$247.5	\$262.2	5.9%
+ Debt service expense	163.2	180.2	10.4%
+ Capital expense	195.9	236.1	20.5%
Total expenses =	606.6	678.5	11.9%
- Other revenues	-189.6	-225.5	18.9%
Revenue requirement =	\$417.0	\$453.0	8.6%
<b>Revenue Adjustment</b>			
+ Revenue requirement		\$453.0	
- Revenue from FY15 rates		-394.0	
Difference (\$)		59.0	
<b>Difference (%)</b>		<b>15%</b>	

The discussion above does not include either the cost associated with drought or the revenue to be generated from proposed new drought surcharges. The rate increases of 8% for FY16 and 7% for FY17 are based on the FY16-17 budget which in turn assumes the new, lower consumption rate of 151 mgd. The 151 mgd reflects the impact of the current drought to date and customers' increased conservation efforts over the last two years. Given that the drought is continuing, customers will need to cut back further. At the same time, expenses will rise as the District incurs the costs specifically associated with drought. In order to address these costs the District has budgeted a drought contingency and is proposing new drought rates, discussed below, to fund that contingency.

### **Drought Surcharges**

#### Establish new drought rate surcharges in FY16 and FY17 for use in declared drought stages

The drought surcharge raises funds necessary to cover water shortage-related costs. An effect of the drought surcharges is that it may also influence demand. The District's proposed FY16-17 budget recognizes the potential impacts of the extraordinary drought currently affecting the state. Whereas the rates and charges discussed above address the District's ongoing expenditures, the drought rate surcharges are designed to address the financial impacts of the drought and proportionally recover the cost of providing water service. Drought-related costs include the purchase of supplemental water, increased treatment costs, outreach and conservation, and other drought expenses. As lowering demand decreases revenue to address ongoing budgetary needs, drought rates will also help mitigate the financial impact of conservation.

The proposed drought rate structure is new to the District. The Board of Directors held two public workshops on proposed drought rates. Subsequently the District conducted four special Board

meetings in various parts of the water system's service area. At these meetings the District presented information to the public regarding the District's proposed water shortage response measures and proposed staged system of drought surcharges. The recommended system of drought surcharges is the result of this extensive process of public outreach and Board deliberation. Table 2 illustrates the dynamics of this staged structure.

The drought rate structure proposed by the District has four stages of increasing severity (Stages 1-4). Increasingly severe stages of drought call for increased levels of conservation, rising from voluntary demand reduction of 0-15% in Stages 1-2 to mandatory greater or equal to 15% conservation in Stage 4. At the April 14, 2015 meeting, the Board declared a Stage 4 drought and adopted a mandatory demand reduction of 20%. The original staff proposal contained in the March 19, 2015 board memo referred to mandatory 15% conservation for Stage 4. The proposed drought surcharge calculations and cost of service for Stage 4 have been updated for the 20% mandatory conservation for Stage 4.

As the drought increases in severity, more supplemental water supply needs to be purchased. While conservation alone is expected to mitigate the water supply shortfall in a Stage 1 drought, a Stage 2 drought is expected to require purchase of up to 35,000 acre-feet of supplemental water supply and a Stage 3 drought to require purchase of between 35,000 and 65,000 acre-feet. By the time a Stage 4 drought is reached, the District would need to purchase over 65,000 acre-feet of supplemental supply to address customer demands for water. For purposes of financial analysis the District assumes purchases of 35,000, 60,000, and 80,000 acre-feet of supplemental supplies for Stage 2, 3 and 4 respectively.

With the staged system of drought surcharges, the drought surcharge rises as the severity of the drought increases. Additionally, the application of the drought surcharges to the District's tiered water rates results in higher \$/CCF drought surcharges for residential customers as they use more water. The drought surcharge is imposed on the Water Flow Charge, the volumetric portion of the rate. If a customer uses less water, the Water Flow Charge is lower. If a customer uses more water, the Water Flow Charge is higher. The drought rate is calculated as a percentage of the Water Flow Charge, so it will be higher if the customer uses more water and lower if the customer uses less. The drought surcharge is up to 8% on the Water Flow Charge for Stage 2, rising to a maximum surcharge of 20% in Stage 3 and 25% in Stage 4. By increasing the cost to ratepayers as the severity of the drought increases, the drought surcharge raises funds necessary to cover water shortage-related costs such as the cost of increased supplemental water supply purchases. The surcharge will not apply to non-potable (recycled) water. For detailed examples of the rate increases see **FY16 and FY17 Drought Surcharges** below. As mentioned above, the Board has declared a Stage 4 drought. If the drought rates are approved, for FY16 the Stage 4 drought surcharges would be effective July 1, 2015, and would remain in effect until the Board rescinds the Stage 4 drought declaration. Thus, if the District remains at a Stage 4 drought into FY17, the Stage 4 drought surcharges would be remain in effect in FY17.

**Table 2 – Staged System of Drought Rates**

Stage	0	1	2	3	4
Demand Reduction		Voluntary 0-15%	Voluntary 0-15%	Mandatory 15%	Mandatory $\geq$ 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% drought surcharge	Normal rates + up to 20% drought surcharge  Supersaver recognition  Excessive use penalty	Normal rates +up to 25% drought surcharge  Supersaver recognition  Excessive use penalty

The amount of the drought surcharges in each stage was developed to recover the anticipated drought costs at each stage, including the cost of supplemental supplies (purchase, treatment and delivery), drought management activities, and lost revenue from reduced water sales. Table 3 – Drought Costs by Stage, outlines the cost to be recovered by the drought surcharge for each drought stage and each fiscal year. Table 3 assumes the Stage 4 drought that the Board has declared will last throughout FY16. Purchase, delivery and treatment of supplemental water supplies are estimated to cost \$61.9 million, assuming the District buys 80,000 acre-feet. Drought management activities are projected to cost \$3.3 million. Assuming 20% conservation, revenues generated by water sales would be \$28.8 million lower than budgeted. Altogether these drought impacts would cost a total of \$94.0 million. The District assumes a draw on its rate stabilization fund of \$30.8 million would address a portion of these costs, with the Stage 4 drought surcharges of up to 25% recovering the remaining \$63.2 million. By contrast, were the District in a Stage 2 drought in FY16, it is assumed to purchase 35,000 acre-feet of supplemental supply which would result in a \$21.9 million total cost while drought management activities would cost \$2.3 million. As conservation is not mandated in Stage 2, the District assumes no revenue loss to be recovered from drought surcharges. Based on these assumptions, the Stage 2 drought costs to be recovered total \$24.2 million, of which \$1.5 million would be covered from the District's rate stabilization fund and the remainder from the up to 8% drought surcharge. In Stage 3, drought costs are assumed to rise to \$62.4 million in FY16, offset by the use of approximately \$8.5 million in rate stabilization funds and a drought surcharge of up to 20% on volume use.

**Table 3 - Drought Costs by Stage  
(\$ millions)**

Drought Costs	Stage 2		Stage 3		Stage 4	
	FY16	FY17	FY16	FY17	FY16	FY17
Supplemental Supplies	\$21.9	\$21.9	\$48.5	\$48.5	\$61.9	\$61.9
Drought Management	2.3	2.3	3.3	3.3	3.3	3.3
Lost Revenue	0.0	0.0	10.6	11.3	28.8	30.7
Total Costs	24.2	24.2	62.4	63.1	94.0	95.9
Use of Reserves	1.5	0	8.5	5.0	30.8	27.7
Costs to be Recovered on Drought Surcharge	22.7	24.2	53.9	58.1	63.2	68.2
Approximate Surcharge %*	Up to 8%	Up to 8%	Up to 20%	Up to 20%	Up to 25%	Up to 25%

\*Details of calculation for the drought surcharges are contained in the cost of service report. The exact surcharges are shown on Table 8.

The Board's action on drought rates also includes recognition for supersavers. Supersaver recognition would be given to single family households in drought Stages 3 and 4 who use less than 100 gallons per day (gpd) per month, or who are saving 10% more than the District's designated conservation goal at that stage. The cost of the supersaver recognition will be paid from the District's property tax revenue. The District's drought response also includes a financial penalty of \$2/CCF on excessive water use in Stage 3, defined as use over 60 CCF/month and in Stage 4, defined as use over 40 CCF/month.

### Water System Cost of Service Study and FY16 and FY17 Proposed Rates

State law mandates public utility rates and charges be based on cost of service (COS). District policy also requires COS based rates and charges. 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.

In November 2013, EBMUD retained Raftelis Financial Consultants (RFC) to perform COS studies for the water and wastewater systems, including a study of the proposed drought rate structure. The RFC study indicates that the District's FY14-15 rates are generally in line with COS principles but, as expected, the study also indicates some recommended adjustments. The recommended adjustments were incorporated into the proposed rates and charges.

The findings of the Water COS study are summarized as follows:

- COS results indicate a decrease in the District's costs for private fire service, resulting in a decrease in the private fire meter charge and an increase to standard meter charges.
- COS results confirmed that only small adjustments are needed to current levels of the District's elevation charges.
- Recycled water charges were reviewed from a COS perspective. Recent legal cases support the need for a COS basis for recycled water charges. The COS study confirmed current recycled water rates.
- Current Single Family Residence (SFR) tier breakpoints were reviewed and confirmed.

- The study established a methodology for developing tiered rates based on the differential allocation of costs for base use, peaking, and supplemental supplies. The allocation resulted in steeper SFR tier rates.
- The Board agreed to keep the level of fixed water revenue at current levels after the sunset of the Seismic Improvement Program surcharge in FY16.
- The District's proposed drought rates were reviewed and substantiated as part of the COS study. The drought rates recover the cost of a water shortage as a surcharge on volume. Additional costs of supply, raw water delivery, treatment, pumping, and lost revenues from loss of sales are recovered based on the updated COS allocation of volume related functions. Overhead costs associated with customer support and outreach as they relate to water shortages are also recovered through the drought surcharge on all potable water use.

### San Juan Capistrano

On April 20, 2015, the California Fourth District Court of Appeal issued a decision in Capistrano Taxpayers Association, Inc. v. City of San Juan Capistrano holding that the City of San Juan Capistrano's tiered water rates (or inclining block rates) violated the requirement of Proposition 218 that a fee or charge for property-related services, such as water delivery, must be proportional to the cost of providing service. The District had been tracking the San Juan Capistrano case as it made its way through the courts. It is District policy to conduct periodic cost of service studies and as part of the most recent study, completed in April 2015, the District focused efforts on developing a strong and clear administrative record for its rates and charges. The District believes that its established and proposed rates for water service comply with the substantive standards of Proposition 218 and do not exceed the proportional cost of providing water service on a parcel basis at each given level of usage. However, due to the uncertainties of evolving case law and potential future judicial interpretations of Proposition 218, it is not possible for the District to forecast whether Proposition 218 could be interpreted to further limit fees and charges for water services and/or require stricter standards for the allocation of costs among customers and customer classes.

### **FY16 and FY17 Water Rates and Charges**

As discussed above, overall rates are proposed to increase by 8.0% in FY16 and 7.0% in FY17, excluding the impact of drought rates. As also mentioned above, rate increases differ for each customer class and for individual customers within each customer class depending on water use and meter size. Tables 4 through 7 illustrate the impact of the proposed rate increases on specific rates for various categories of users. All these tables incorporate both the proposed rate increases and the impact of changes resulting from the Cost of Service (COS) study.

Table 4 illustrates the rates for single family residential customers in FY15, FY16 and FY17 at varying levels of usage. The bottom row of the table shows the impact of the rate increases on the "average" single family residential customer. Note that the "average" customer is presumed to use 10 CCF per month, a historic average which does not reflect reductions from recent calls for conservation. The "average" customer's water bill of \$48.60 in FY15 will rise to \$52.17 in FY16, an increase of \$3.57 or 7.3%. In FY17 the "average" customer's water bill will rise to \$55.83, an increase of \$3.66 or 7.0%.



The table shows rates based on differing levels of usage. The user in the 25<sup>th</sup> percentile is among the lowest user of water at 4 CCF per month: only 25% of ratepayers use less. The user in the 50<sup>th</sup> percentile is the median user at 7 CCF of water: half of ratepayers use more and half use less. The ratepayer in the 75<sup>th</sup> percentile uses 12 CCF of water per month: three quarters of ratepayers use less. Finally, the ratepayer in the 95<sup>th</sup> percentile uses 30 CCF per month, more than 95% of ratepayers. Monthly bills in FY16 range from \$31.14 to \$151.57 and reflect substantially different increases ranging from 7.1% to 14.8%. This difference results primarily from adjustments required as a result of the COS. Monthly bills in FY17 range from \$33.33 to \$162.23 and reflect a nearly uniform increase of 7.0%

**Table 4 - Single Family Residential Customer Monthly Bill Impacts  
(COS Combined with FY16 and FY17 Increases)**

Single Family Residential Water Charges on Water Bill								
	Single Family Residential Use (CCF)	FY15 Bill	FY16 Bill	Increase from FY15	Percent Change	FY17 Bill	Increase from FY16	Percent Change
25 <sup>th</sup> Percentile	4	\$29.07	\$31.14	\$2.07	7.1%	\$33.33	\$2.19	7.0%
50 <sup>th</sup> Percentile (median use)	7	\$37.80	\$39.99	\$2.19	5.8%	\$42.81	\$2.82	7.1%
75 <sup>th</sup> Percentile	12	\$55.80	\$60.29	\$4.49	8.0%	\$64.51	\$4.22	7.0%
95 <sup>th</sup> Percentile	30	\$132.08	\$151.57	\$19.49	14.8%	\$162.23	\$10.66	7.0%
Average Single Family Residential Use*	10	\$48.60	\$52.17	\$3.57	7.3%	\$55.83	\$3.66	7.0%

\*10 CCF/month represents historical average single-family residential use. In response to calls for conservation, District customers have conserved 12% over 2013 use levels to date so the average use is currently below 10 units per month.

Tables 5 and 6 illustrate the FY16 and FY17 monthly bill impact of rate increases for non-single family residential customers. Table 7 illustrates the Proposed Volume and Elevation Rates.

**Table 5 - Customer Monthly Bill Impacts  
(COS Combined with FY16 and FY17 Increases)**

Multi-Family Residential and Non-Residential Water Charges on Water Bill									
	Meter (Inches)	Use (CCF)	FY15 Bill	FY16 Bill	Increase from FY15	Percent Change	FY17 Bill	Increase from FY16	Percent Change
Multi-Family Residential 4 units	1	25	\$125.54	\$133.45	\$7.91	6.3%	\$142.74	\$9.29	7.0%
Multi-Family Residential 5+ units	1	50	\$217.54	\$237.70	\$20.16	9.3%	\$254.24	\$16.54	7.0%
Commercial	1	50	\$225.08	\$236.70	\$11.62	5.2%	\$253.24	\$16.54	7.0%
Industrial	2	500	\$2,046.68	\$2,158.48	\$111.80	5.5%	\$2,309.32	\$150.84	7.0%

**Table 6 - Proposed Monthly Water Service Charges (Meter) and Private Fire Service Charges (COS Combined with FY16 and FY17 Increases) (\$/Meter Size)**

	FY15 Current*	FY16 Proposed	Change	FY17 Proposed	Change
Private Fire Service Charge					
4"	\$132.26	\$100.34	-24.1%	\$107.36	7.0%
6"	255.66	196.14	-23.3%	209.87	7.0%
8"	403.75	311.09	-22.9%	332.87	7.0%
Water Service Charge					
Single Family Residential 5/8" & 3/4"	\$17.43	\$19.34	11.0%	\$20.69	7.0%
Multi-Family Residential 2"	73.14	83.48	14.1%	89.32	7.0%
Other 4"	189.52	251.24	32.6%	268.83	7.0%

\*Includes FY15 Seismic Improvement Program fixed charges which terminate at the end of FY15

**Table 7 - Proposed Water Flow Charge (Volume) and Elevation Surcharge (COS Combined with FY16 and FY17 Increases) (\$/CCF)**

Water Flow Charges (Volume)	FY15 Current*	FY16 Proposed	Change	FY17 Proposed	Change
Single Family Residential					
Tier 1 up to 7 CCF	\$2.91	\$2.95	1.4%	\$3.16	7.1%
Tier 2 up to 16 CCF	\$3.60	\$4.06	12.8%	\$4.34	6.9%
Tier 3 over 16 CCF	\$4.42	\$5.36	21.3%	\$5.74	7.1%
Multi-Family Residential	\$3.68	\$4.17	13.3%	\$4.46	7.0%
Other (commercial/industrial)	\$3.96	\$4.15	4.8%	\$4.44	7.0%
Non Potable	\$3.17	\$3.23	1.9%	\$3.46	7.1%
Elevation					
Band 2	\$0.55	\$0.60	9.1%	\$0.64	6.7%
Band 3	\$1.12	\$1.24	10.7%	\$1.33	7.3%

\*Includes FY15 Seismic Improvement Program volume charge for other commercial/industrial which terminates at the end of FY15

## FY16 and FY17 Drought Surcharges

Proposed drought surcharges for FY16 and FY17 are shown below in Table 8. The stages are drought stages of increasing severity, Stages 1 through 4. The drought rates increase as the drought gets more severe. In addition, for single family residential ratepayers the surcharge is tiered: single family residential customers who use more water are charged more than those who use less. For example, in a Stage 4 drought in FY16, users of up to 7 CCF would incur the Tier 1 surcharge of \$0.73 per CCF. Users of up to 16 CCF would incur the Tier 1 surcharge of \$0.73 for the first 7 CCF, and the Tier 2 surcharge of \$0.99 for each additional CCF up to 16. Users of more than 16 CCF would incur an additional Tier 3 surcharge of \$1.30 for each CCF above 16.

**Table 8 – Proposed Drought Surcharges for FY16 and FY17**

	FY16				FY17			
	Stage 1	Stage 2	Stage 3	Stage 4	Stage 1	Stage 2	Stage 3	Stage 4
Single Family Residential								
Tier 1 up to 7 CCF	\$0.00	\$0.23	\$0.59	\$0.73	\$0.00	\$0.25	\$0.63	\$0.79
Tier 2 up to 16 CCF	0.00	0.31	0.79	0.99	0.00	0.33	0.85	1.07
Tier 3 over 16 CCF	0.00	0.40	1.03	1.30	0.00	0.43	1.12	1.40
Multi-Family Residential	0.00	0.32	0.81	1.02	0.00	0.34	0.88	1.10
Other	0.00	0.32	0.81	1.01	0.00	0.34	0.87	1.09
Non Potable	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.00

Combined impacts of the overall rate increases and the drought surcharges on single family residential customers are shown below in Tables 9-11. Table 9 shows the rates during a Stage 2 drought, Table 10 during a Stage 3 drought, and Table 11 during a Stage 4 drought. Essentially, these tables add the drought surcharges illustrated in Table 8 to the monthly bills shown in Table 4.

As with Table 4, the bottom row of Tables 9-11 show the impact of the rate increases on the “average” single family residential customer. Note again that the “average” customer is presumed to use 10 CCF per billing cycle, a historic average which does not reflect any reductions resulting from recent or potential future conservation.

Table 9 illustrates that in a Stage 2 drought the “average” customer’s water bill of \$48.60 in FY15 will rise to \$54.71 in FY16. This \$6.11 (12.6%) increase over FY15 includes \$2.54 in drought surcharges. In FY17 the “average” customer’s water bill is \$58.57, a \$3.86 (7.1%) increase compared to FY16, including a \$2.74 drought surcharge.

In a Stage 3 drought, illustrated in Table 10, the same “average” customer’s water bill rises from \$48.60 in FY15 to \$58.67 in FY16, a \$10.07 (20.7%) increase including a \$6.50 surcharge. In FY17 this customer’s water bill increases further to \$62.79, a \$4.12 (7.0%) increase over FY16 including a \$6.96 surcharge.

Table 11 illustrates the impact on the “average” customer’s water bill in a Stage 4 drought as the total water bill rises between FY15 and FY16 from \$48.60 to \$60.25, an \$11.65 (24.0%) increase including an \$8.08 surcharge, and in FY17 to \$64.57 or \$4.32 (7.2%) over the FY16 water bill including an \$8.74 surcharge.

As in Table 4, Tables 9-11 show bill impacts based on a variety of levels of usage. The customer in the 25<sup>th</sup> percentile is among the lowest user of water at 4 CCF per month: only 25% of District ratepayers use less. The user in the 50<sup>th</sup> percentile is the median user at 7 CCF of water: half of the District's ratepayers use more and half use less. The ratepayer in the 75<sup>th</sup> percentile uses 12 CCF of water per month: three quarters of District ratepayers use less. Finally, the ratepayer in the 95<sup>th</sup> percentile uses 30 CCF per month, more than 95% of District ratepayers. The differing charges illustrated in Tables 9-11 show the extent to which the combined impact of both the rate increase and the drought surcharges will vary for different levels of users and at the differing drought stages.

**Table 9 – Stage 2 SFR Impacts of Surcharges from Staged System of Drought Rates**

Stage 2 - Single Family Residential Water Charges and Maximum Drought Surcharges on Water Bill (\$/CCF)									Impact of Surcharge	
	Single Family Residential Use (CCF)	FY15 Bill	FY16 Bill Including surcharge*	Increase from FY15	Percent Change	FY17 Bill including surcharge*	Increase from FY16	Percent Change	FY16	FY17
25 <sup>th</sup> Percentile	4	\$29.07	\$32.06	\$2.99	10.3%	\$34.33	\$2.27	7.1%	\$0.92	\$1.00
50 <sup>th</sup> Percentile (median use)	7	\$37.80	\$41.60	\$3.80	10.1%	\$44.56	\$2.96	7.1%	\$1.61	\$1.75
75 <sup>th</sup> Percentile	12	\$55.80	\$63.45	\$7.65	13.7%	\$67.91	\$4.46	7.0%	\$3.16	\$3.40
95 <sup>th</sup> Percentile	30	\$132.08	\$161.57	\$29.49	22.3%	\$172.97	\$11.40	7.1%	\$10.00	\$10.74
Average Single Family Residential Use**	10	\$48.60	\$54.71	\$6.11	12.6%	\$58.57	\$3.86	7.1%	\$2.54	\$2.74

\*Bills reflect both proposed base rate increase and drought surcharge

\*\*10 CCF/month represents historical average single-family residential use. In response to calls for conservation, District customers have conserved 12 percent over 2013 use levels to date so the average use is currently below 10 units per month.

**Table 10 – Stage 3 SFR Impacts of Surcharges from Staged System of Drought Rates**

Stage 3 - Single Family Residential Water Charges and Maximum Drought Surcharges on Water Bill (\$/CCF)									Impact of Surcharge	
	Single Family Residential Use (CCF)	FY15 Bill	FY16 Bill including surcharge*	Increase from FY15	Percent Change	FY17 Bill including surcharge*	Increase from FY16	Percent Change	FY16	FY17
25 <sup>th</sup> Percentile	4	\$29.07	\$33.50	\$4.43	15.2%	\$35.85	\$2.35	7.0%	\$2.36	\$2.52
50 <sup>th</sup> Percentile (median use)	7	\$37.80	\$44.12	\$6.32	16.7%	\$47.22	\$3.10	7.0%	\$4.13	\$4.41
75 <sup>th</sup> Percentile	12	\$55.80	\$68.37	\$12.57	22.5%	\$73.17	\$4.80	7.0%	\$8.08	\$8.66
95 <sup>th</sup> Percentile	30	\$132.08	\$177.23	\$45.15	34.2%	\$189.97	\$12.74	7.2%	\$25.66	\$27.74
Average Single Family Residential Use**	10	\$48.60	\$58.67	\$10.07	20.7%	\$62.79	\$4.12	7.0%	\$6.50	\$6.96

\*Bills reflect both proposed base rate increase and drought surcharge

\*\*10 CCF/month represents historical average single-family residential use. In response to calls for conservation, District customers have conserved 12 percent over 2013 use levels to date so the average use is currently below 10 units per month.

**Table 11 – Stage 4 SFR Impacts of Surcharges from Staged System of Drought Rates**

Stage 4 - Single Family Residential Water Charges and Maximum Drought Surcharges on Water Bill (\$/CCF)									Impact of Surcharge	
	Single Family Residential Use (CCF)	FY15 Bill	FY16 Bill including surcharge*	Increase from FY15	Percent Change	FY17 Bill including surcharge*	Increase from FY16	Percent Change	FY16	FY17
25 <sup>th</sup> Percentile	4	\$29.07	\$34.06	\$4.99	17.2%	\$36.49	\$2.43	7.1%	\$2.92	\$3.16
50 <sup>th</sup> Percentile (median use)	7	\$37.80	\$45.10	\$7.30	19.3%	\$48.34	\$3.24	7.2%	\$5.11	\$5.53
75 <sup>th</sup> Percentile	12	\$55.80	\$70.35	\$14.55	26.1%	\$75.39	\$5.04	7.2%	\$10.06	\$10.88
95 <sup>th</sup> Percentile	30	\$132.08	\$183.79	\$51.71	39.2%	\$196.99	\$13.20	7.2%	\$32.22	\$34.76
Average Single Family Residential Use**	10	\$48.60	\$60.25	\$11.65	24.0%	\$64.57	\$4.32	7.2%	\$8.08	\$8.74

\*Bills reflect both proposed base rate increase and drought surcharge

\*\*10 CCF/month represents historical average single-family residential use. In response to calls for conservation, District customers have conserved 12 percent over 2013 use levels to date so the average use is currently below 10 units per month.

Exhibit 1A and 1B at the end of this chapter compare the estimated FY16 annual water bill for EBMUD single-family residential customers who use 10 and 20 CCF/mo to other Bay Area water agencies.

## **Nonpotable Water Use Incentive Rate and Flow Charge for Private Fire Service Meters**

When developing nonpotable water projects, the District identifies existing customers who can feasibly switch to nonpotable water. Following Water Regulation 30 – Nonpotable Water Service, the District develops plans with each customer to switch to nonpotable water. The current rate schedule includes a 20% additional Flow Charge (called the Nonpotable Water Use Incentive Rate) that can be assessed on the potable water use of customers who do not complete the retrofit work to enable the delivery of nonpotable water identified in the plan. Staff proposes to eliminate the Nonpotable Water Use Incentive Rate from Schedule A of the District's Schedule of Rates and Charges. The District may adopt a penalty ordinance for customers who do not comply with the required retrofit work. Similarly, the current rate schedule charges customers who use water from their private fire service meters for non-fire extinguishing purposes double the regular water rate. Staff proposes to charge private fire service meter customers the same flow charge as other customers when using water for non-fire extinguishing purposes, but also subject that water use to a possible financial penalty to be adopted by ordinance. There is no flow charge for water used for extinguishing fires.

## **RECOMMENDED REVISIONS TO OTHER WATER SYSTEM CHARGES**

Copies of the Schedules and Regulations for recommended amendments are shown under Tab 5 of this report.

### **Rates Revisions for Schedule C**

The District periodically reviews the rates and charges in the Schedules of water system charges other than those discussed above to ensure that the fees and charges reflect the District's cost of service. For the FY16 rates and charges update, the following Schedule is recommended for an increase:

- Schedule C (Charges for Special Services)

For FY17 the District plans to do a comprehensive review and update of the rates and charges in all Water System Rates and Charges Schedules that were not updated in this report.

### Charges for Special Services (Schedule C)

At the November 25, 2014 Finance/Administration Committee meeting, Board members inquired about the District's procedures and charges for addressing water theft and water meter tampering. Staff reviewed District procedures with the Board members and also updated the associated charges to reflect the most current costs. At the April 28, 2015 meeting, the Board adopted a water theft penalty ordinance to allow the District the authority to impose financial penalties for water theft and unauthorized use of water. Accordingly, the following changes are proposed to Schedule C.

#### *Service Trip Charge \$43*

We recommend increasing the trip charge from \$33 to \$43 to cover the District's costs. Service trip charges recoup the cost of sending a Field Services Representative to a service for payment collection, payment extension, service interruption and restoration, and other similar account

related stops. Service trip costs are calculated from the budget for the Field Service organization and a portion of the budgets for the Contact Center and Customer Service spread over the total number of field service trips per year.

#### *Service Interruption (Plug Fee) \$350*

We recommend increasing the plug fee from the current fee of \$199 to \$350 to cover the District's costs. Plug charges are incurred when District plumbers plug a service when water is repeatedly stolen after service has been interrupted and locked for non-payment. The plug fee recoups the costs of removing the meter and plugging the water line, and the eventual unplugging and reinstallation of the meter after overdue charges are paid. A plug requires two plumbers to plug a service and one plumber to unplug and reset the meter. In addition, the Service Interruption Charges that correspond to the Service Trip Charge would also increase from \$33 to \$43.

#### *Hydrant Meter Account Site Visit Charge \$215*

The current Hydrant Meter Account Site Visit Charge is \$167. We recommend increasing the charge to \$215 to cover the District's costs. The hydrant meter account site visit involves a Field Services Representative investigating and locating a lost or stolen hydrant meter, verifying meter reads, recovering the lost/stolen hydrant meter and billing for charges.

### **Water Service Regulations**

We recommend that the water service regulations be amended as follows:

#### Section 1 – Explanation of Terms Used in these Regulations

We recommend adding to the schedule explanations for the terms “Commercial/Industrial Unit,” “Dedicated Irrigation Meter,” and “Dwelling Unit” to address applicant questions regarding building characteristics that the District uses in determining meter requirements. Clarification of how the System Capacity Charge is calculated for large water meters has also been added to Section 1.

#### Section 2 – Applying for Services

The requirement for individual meters has been clarified to be consistent with the terms “dwelling unit” and “Commercial/Industrial Unit” in Section 1 – Explanation of Terms Used in these Regulations. Also the requirement that the applicant pay all outstanding balances on fees owed to the District has been added to the list of fees that must be paid before water service can be established.

#### Section 3 - Standard Service

Clarification has been added to Section 3 to make it clear that the District may require individual meters for each business classification, commercial/industrial unit and/or dwelling unit when located together in a single structure. A sentence that states that detailed landscaping plans for irrigated landscapes of less than 5,000 square feet may be required at the discretion of the District has been added to be consistent with the requirements listed in Section 31 – Water Efficiency Requirements.

### Section 9 - Guarantee Deposits

The customer deposit requirement in the regulation has been reduced from two and one half times the estimated monthly or bimonthly billings to two times the estimated monthly or bimonthly billings to be consistent with the Municipal Utility District Act. The District has been collecting the customer deposits based on two times the estimated billings as required by the Act, so there is no change to the current practice.

### Section 29 – Prohibiting Wasteful Use of Water

The reference in this regulation to the Manager of Administration has been changed to the Manager of Customer and Community Services to reflect the current District organizational structure.

### Section 30 – Nonpotable Water Service

Changes are proposed for Section 30 primarily to clarify that new applicants for nonpotable water service will be responsible for costs including recycled water main extensions. As described above, the District is removing the Nonpotable Water Use Incentive Rate from Schedule A of the District's Schedule of Rates and Charges and subjecting customers to a possible financial penalty. A penalty for the failure to complete retrofit work to accept nonpotable water may be established in a future ordinance.

### Section 31 - Water Efficiency Requirements

Proposed FY16 changes to Section 31 are designed to address current state and federal codes, standards and laws related to increased efficiency requirements for indoor and outdoor water use. Other text edits are recommended to provide reference citations for existing requirements and further clarify the intent of the regulations. The proposed modifications are as follows:

- Add the citation and requirement to use the California Department of Water Resources publication Water Use Classification of Landscape Species in selecting the plant material for 80% of the non-turf areas that are required to be low or very-low water use native or climate-appropriate species.
- Add the requirement for self-adjusting irrigation controllers for irrigated areas of 1,000 sq. feet and greater and irrigation systems with three or more valves, consistent with state law.
- Add language for a public health and safety exemption for swimming pool and spa covers as solely determined by the District.
- Add requirement for commercial dishwashers to meet Energy Star efficiency specifications.
- Modify requirement for detailed landscaping plans to apply to all applicants with 2,500 sq. feet of landscaped area or greater.
- Modify requirement for all applicants with landscape area of less than 2,500 sq. feet to submit a checklist and irrigation and planting diagram for District review.
- Add a requirement for all applicants to submit a certificate of completion of their landscaping on a form provided by the District for verification that landscaping and irrigation efficiency complies with submitted and approved plans.



## **Public Records Act Fee Schedule**

We are recommending revisions to the fee schedule that covers 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 of administrative assistant and senior systems programmer. We recommend increasing discount for the hardcover EBMUD plant book from \$10 to \$20 off the list price for EBMUD customers and employees. The wholesaler and vendor discount is also recommended to increase.

## **Recreation 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 fees is proposed to and approved by the Board of Directors as part of the biennial rate setting process.

For calendar year 2016, the District proposes to reorganize its recreation fee discount program for Seniors/Disabled/Former POW/Disabled Veterans. Seniors and disabled visitors would continue to receive the current discount on recreation fees, but the District proposes to implement a Distinguished Veteran Discount Program for holders of the California State Parks Distinguished Veteran Pass, which is available free of charge through the California Department of Parks and Recreation. Distinguished Veteran Pass holders will receive free day use and boat launch and a 50% discount on non-holiday weekday boat rentals at all EBMUD recreation areas.

### Camanche Hills Hunting Preserve

The fee schedule includes a new fee for fishing access at the Camanche Hills Hunting Preserve (CHHP) in response to visitor requests for access and to diversify revenue generating opportunities. Providing fishing opportunities at the CHHP will also address potential overpopulations of carp and other species that can accumulate in the Rabbit Creek Arm. Unlike the fishing access programs at Pardee and Camanche Reservoir proper, there will not be a stocking program connected with the access.

### Camanche North and South Recreation Areas

The Camanche concessionaire has proposed increases to 39 of the 141 rates and charges that are reviewed by the EBMUD Board. The increased fees include day use, fishing, RV/trailer/boat storage, camping, boat slip fees and facility rentals. The increases range in scale from \$0.50 increase for the daily fishing access charge to a \$150 increase for the daily rental charge of Lakeside Hall. There are also new proposed fees for equestrian camp sites and for the 4 bedroom resort rentals that are being installed. Mobile home space rent is the single largest variable

affecting fees paid to the District, and per the Mokelumne Watershed Master Plan these rates are determined annually based upon a federal index.

#### Pardee Recreation Area

The Pardee concessionaire has proposed small increases in 2016 and 2017 to most of the fees approved by the EBMUD Board. Camping, boat launch, boat mooring, boat storage, RV fees and facility rentals are all proposed to increase in 2016 and 2017. The increases range in scale from \$0.50 increases for the daily fishing access and vehicle entry fees to a \$700 increase for the seasonal charge for the planned renovated, enlarged and modernized RV sites.

#### Lafayette Recreation Area

There are no proposed fee changes at the Lafayette Recreation Area.

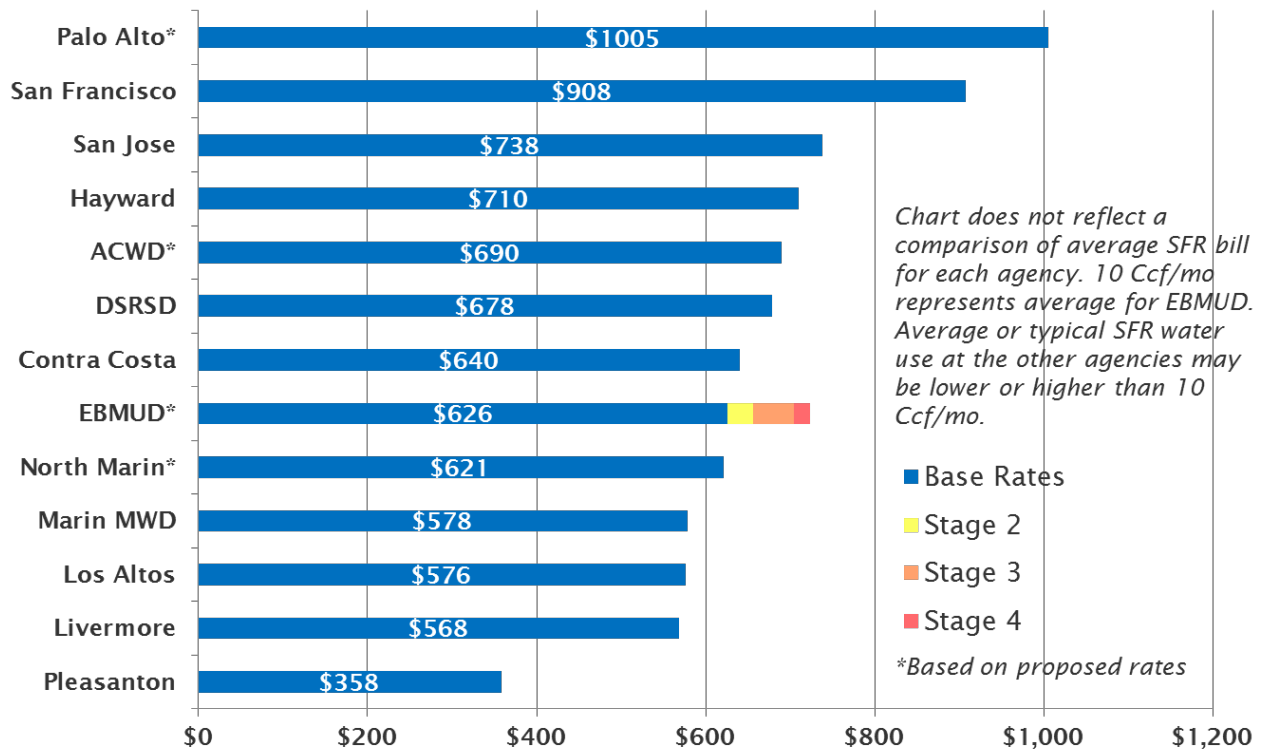
#### San Pablo Recreation Area

The San Pablo Recreation Area Concessionaire has proposed to decrease several recreation fees in 2016. The daily dog access fee decreases from \$4 to \$2 per day to be comparable to other parks in the region. The group picnic fee for the Pines site is proposed to decrease from \$260 to \$150 to attract new customers to the site. The towing fee decreases from \$65 to \$50 to reflect the expense incurred by the concessionaire for the infrequent towing of disabled vessels on the lake.

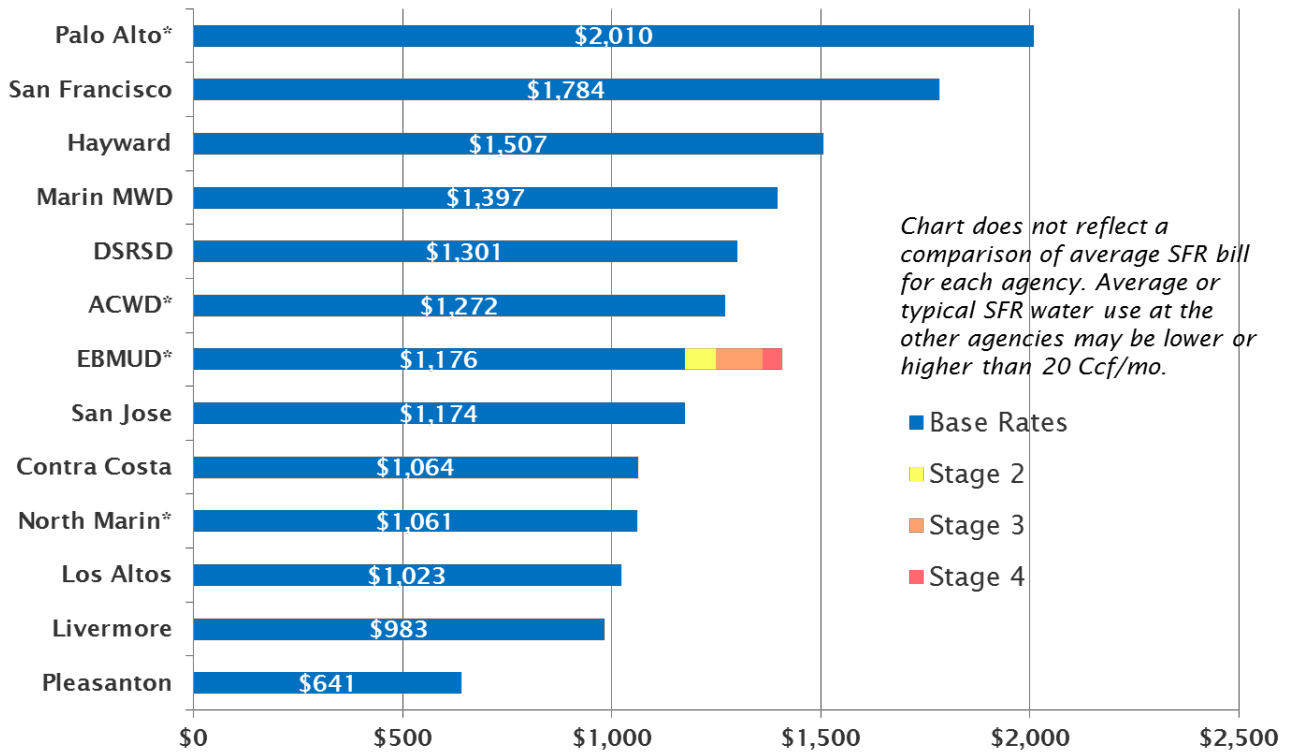
#### Watershed Trails

No changes are proposed for watershed trail permits.

## Water Bills Calculated for 10 CCF/Mo Annual Charge for SFR – Effective 7/1/15



## Water Bills Calculated for 20 CCF/Mo Annual Charge for SFR – Effective 7/1/15



## 2. Water System Capacity Charges



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

### **INTRODUCTION**

There is a continuing 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 connection to the District's system. The System Capacity Charge (SCC) was first established in 1983 as a means of assessing new water customers 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 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 Bartle Wells Associates. The proposed FY16 SCC rates are based on updates to calculations from that study, the details of which are contained in Exhibit 2. The SCC charge consists of three components:

1. 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. 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. Future Water Supply (FWS) Component, which is calculated to recover a portion of the costs of future water supply projects that are allocated to new 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 and, 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 of the SPC or SCC terms and conditions.

### **RECOMMENDATIONS**

1. Adopt the FY16 Schedule J for the Water System Capacity Charge (SCC). All regions reflect updates for the construction of additional facilities, construction cost escalation, financing costs, and revised estimated costs to complete the Future Water Supply projects.

2. Adopt the FY16 Schedule H for the Standard Participation Charge (SPC) that reflects the allowable cost for facilities necessary to serve applicants who had separate facility agreements with the District prior to July 1, 1983.
3. Adopt the FY16 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 reflect the latest proposed costs for the Future Water Supply Component of the SCC. In addition, the Water Use Offset Fees and Additional Water Use Offset Fees for “The Wiedemann Ranch Development” have been updated to reflect the latest U.S. City Average of the Consumer Price Index.

The FY17 rates for Schedules H, J, and N will be updated at the end of FY16 when the construction cost escalation index for 2016 and updated facility costs are known. The changes and updates recommended for the SCC, SPC and Water Demand Mitigation Fees will be effective on August 10, 2015 or sixty days following adoption by the Board. These rates are not subject to the requirements of Proposition 218.

## DISCUSSION

A cost of service report was prepared by Bartle Wells Associates. Pursuant to the methodology outlined in the Bartle Wells report, the proposed System Capacity Charges were updated for the Engineering News Record Construction Cost index escalation to reflect increasing costs to reproduce existing plant assets needed to serve prospective customers. The updated asset values used in the proposed FY16 SCC rate calculations as laid out in the Bartle Wells Study are shown in Exhibit 2. The Future Water Supply Component was also updated for FY16.

### SCC Rate Calculations

The proposed SCC rates are shown in Table 1 for a 3/4" meter for single-family residential and 5/8" non-residential customers. These meter connections account for the majority of all future water service connections. Larger meters pay proportionately more based on the estimated usage of the new connections. Non-residential connections pay more in some regions due to higher consumption.

**Table 1: Proposed SCC Rate Changes**

Region	Water Consumption		Unit Costs \$/100 gpd	Capacity Charge	
	Residential 3/4" (gpd)	Non Res 5/8" (gpd)		Residential 3/4" \$ (% incr)	Non Res 5/8" \$ (% incr)
Region 1	280	400	\$5,846	\$16,370 (1.6%)	\$24,380 (1.6%)
Region 2	360	535	\$7,892	\$28,410 (2.1%)	\$42,220 (2.1%)
Region 3	580	625	\$6,247	\$36,230 (1.7%)	\$39,040 (1.7%)
Region 3C	775	775	\$10,816	\$83,830 (3.6%)	See Note 1
Region 3D	775	775	\$12,109	\$93,850 (2.9%)	\$93,850 (2.9%)

Note 1: Calculated based on a 1993 Agreement with HCV & Associates Ltd., Wiedemann Ranch, Inc., and Sue Christensen.



The SCC charge for each region is derived from the sum of the unit charges of each of the SCC components and then multiplied by the estimated average daily water consumption in that SCC region as listed in Table 1. The District has determined average daily water consumption values for non-residential service meters up through 2 inches and single-family service connections up through 1.5 inches within each SCC region, and established SCC charges based on those averages. For larger meter sizes, the SCC charge is determined using the same methodology as for smaller meters but calculated on a case-by-case basis from the unit charges of the three SCC components and multiplied by the estimated required demand of the requested service installation.

Applicants for non-potable water service have their SCC charge calculated based solely on the FWS Component. These customers are not served by the potable water system; they are served through a separate non-potable water system.

### SCC Unit Charges

Table 2 shows the breakdown of the unit charges for individual components: system-wide buy-in; regional buy-in; post-2000 component (for special regions only); and future water supply costs by region.

The SCC for the two remaining special regions 3C and 3D recover the costs of the additional facilities that were built to serve new connections in the region; costs associated with these facilities are being referred to in Schedule J as the “post-2000 component” unit charge. The regional buy-in unit costs for special regions 3C and 3D are lower than the region 3 regional buy-in unit costs to account for distribution pumping and reservoir costs that are already included in the post-2000 component.

**Table 2: Proposed SCC Unit Charges**

Region	Unit Charges \$/100 gpd				Total
	System-Wide Buy-In	Regional Buy-In	Post 2000	Future Water Supply	
Region 1	\$1,991	\$1,985		\$1,870	\$5,846
Region 2	\$1,991	\$4,031		\$1,870	\$7,892
Region 3	\$1,991	\$2,386		\$1,870	\$6,247
Region 3C	\$1,991	\$1,791	\$6,457	\$577*	\$10,816
Region 3D	\$1,991	\$1,791	\$6,457	\$1,870	\$12,109

\*The FWS Component for Region 3C is \$577 per 100 gpd based on the 1993 Agreement with HCV & Associates Ltd., Wiedemann Ranch, Inc. and Sue Christensen.

The SCC unit charges are calculated by dividing the current asset values by the 2030 demand numbers from Tables 10, 11 and 16 in Exhibit 2, which are summarized in Tables 3-5 below:

**Table 3: SCC Asset Values**

Asset Category	Asset Value
System-Wide Buy-In	\$4,221,199,792*
Regional Buy-In Region 1	\$2,303,737,800
Regional Buy-In Region 2	\$1,213,594,668
<u>Regional Buy-In Region 3</u>	<u>\$1,573,014,483</u>
Regional Buy-In Total	\$5,090,346,226**
<b>Adjusted Asset Values Used in Buy-In Unit Costs</b>	<b>\$9,311,546,018***</b>
Future Water Supply	\$ 1,006,000,000

\*Exhibit 2 Table 11 line 2

\*\*Exhibit 2 Table 12 line 10

\*\*\*Exhibit 2 Table 10 line 6

**Table 4: SCC 2030 Demand**

	Customer Demand MGD
Base Demand	158.2
Additional Demand	53.8
Total 2030 Demand	212.0

**Table 5: SCC 2030 Demand by Region**

REGION	Total Demand (MGD)	per SFR Connection (gpd)	per Non Res Connection (gpd)
Region 1	116.0	280	400
Region 2	30.1	360	535
Region 3	65.9	580	625
Total	212.0		

### Future Water Supply Component Details

The unit cost of the FWS Component for FY16 will decrease from \$1,904 per 100 gpd to \$1,870 per 100 gpd, a decrease of 1.1%, as a result of cost changes to current and future projects and update to the costs of financing for those projects that have already been completed. The revised costs for these projects are shown in Table 6 and are described below. The total FWS cost allocated to the SCC is divided by the total future demand of 53.8 MGD to calculate the unit cost of the FWS Component.

**Table 6: Future Water Supply Project Costs and Unit Rate**

FY16 Future Water Supply Projects (\$ millions)				
Major Projects	Total Costs	Costs Allocated to SCC		
		Allocated Costs*	Allocated Capitalized Interest**	TOTAL
Completed Projects				
WSMP Study and EIR Costs	\$77			
Water Recycling	139			
Freeport Regional Water Project	488			
Local Ground Water and Intertie	36			
Central Valley Project Capital Facilities	11			
Subtotal	751	526	193	719
Future Projects	410	287	-	287
<b>TOTAL</b>	<b>\$1,161</b>	<b>\$813</b>	<b>\$193</b>	<b>\$1,006 ***</b>
Future Water Supply Unit Rate	\$1,006 Million/53.8 MGD = \$1,870 per 100 gpd			

\*70% of the Total Costs are allocated to the Future Water Supply Component of the SCC.

\*\*Capitalized Interest represents the financing costs of expenditures for water supply projects that were undertaken since 1986.

\*\*The comparable amount used in the FY15 SCC calculation was \$1,024 million.

The Future Water Supply Project costs allocated to the SCC includes \$719 million for completed projects including financing costs and an additional \$287 million for future projects.

#### Completed Projects

Completed projects include \$77.4 million for study and EIR costs, \$139 million for current reclamation projects, \$488 million for the Freeport Regional Water Project, \$36 million for local groundwater and intertie projects, and \$11 million for the Central Valley Water Project facilities.

The current recycled water projects include the initial phase of the East Bayshore Recycled Water Project, the District's portion of the Dublin-San Ramon Services District (DSRSD)- EBMUD Recycled Water Authority (DERWA) project, North Richmond Recycled Water Project, and other recycled water irrigation projects.

The District's portion of the expenses to construct the Freeport Regional Water Project (FRWP) and the associated Folsom South Canal Connection (FSCC) reflects the current cost information. The FRWP is a joint project with Sacramento County Water Agency. FRWP at its peak capacity can divert and treat up to 185 million gallons of water per day from the Sacramento River near the town of Freeport. The total cost of the joint project is approximately \$922 million. The District's portion of the costs is approximately \$488 million, which includes the above-mentioned intake system, pipelines and pump stations, as well as project management costs incurred by the District. FRWP has the capacity to provide the District with up to 100 million gallons of water per day.

As part of the future water supply programs, the District has completed Phase 1 of the Bayside Groundwater Project and an intertie project with Hayward-San Francisco. The intertie serves to provide an emergency connection to San Francisco Public Utilities Commission's Hetch Hetchy water system. Construction was completed in FY09.

Capital facilities of the Central Valley Project (CVP) that are allocated to the District are included in the Future Water Supply Projects.

### Future Projects

Future projects in the Future Water Supply program include conjunctive use projects, regional desalination, water transfers, and expansion of local groundwater and water recycling projects. Conjunctive use projects (including groundwater banking and storage options) are being developed with multiple San Joaquin County, Calaveras County and Amador County water agencies. The District has been participating in the Regional Desalination Project with Contra Costa Water District, San Francisco Public Utility Commission, Alameda County Flood and Water Conservation District – Zone 7, and Santa Clara Valley Water District and proposes to invest approximately \$12 million as its share of the cost to further the development project. The District expects to spend \$20 million to identify, evaluate, and acquire long term and/or permanent water transfers and, if needed, to acquire interim supplies via purchase of short-term water transfers. Phase 2 of the Bayside groundwater project is included in the future projects. Another \$166 million is expected to be spent on future expansion of both the East Bayshore and DERWA projects as well as other water recycling projects in the San Ramon Valley, San Leandro and Richmond.

### **Other Changes**

Staff proposes wording changes to Schedule J – System Capacity Charge to clarify the how SCC credit for existing services is determined. When calculating the SCC credit for existing services, staff reviews the water use information that was provided in initial SCC calculation when the service was first installed to determine the amount of the credit that the customer can receive. The proposed wording change clarifies that the water use information will be used in the SCC credit calculation.

Furthermore, wording changes are being proposed to Schedule J – System Capacity Charge for adjustment of SCC for water conserving landscape on publicly owned property to require the

removal of water services used only during a planting establishment period where no SCC was paid. The District allows for applicants with water conserving landscapes on publicly owned properties to pay a reduced SCC or no SCC based on the long-term watering needs of the landscaping. In some instances, a larger water meter is installed during the initial planting establishment period with the intention that a smaller water meter will be installed or that water service will be discontinued in the long term. The wording change adds that the water meter shall be removed in applications where the SCC was based on no long term irrigation needs.

Exhibit 1

### East Bay Municipal Utility District Distribution System SCC Regions



## Exhibit 2

**Table 7. EBMUD Water SCC Review**  
**Water System Fixed Asset Balances (as of 1/1/2015)**

Account	Description	Original Cost	Current Value ENR	Allocation
			2015*	
1001	Auto Control System	\$69,616,886	\$123,164,869	System-wide
1005	Hydroelect Power Generation	\$50,165,544	\$136,085,023	System-wide
1015	Source of Water Supply	\$116,244,212	\$758,710,114	System-wide
1025	Raw Wtr Transmission	\$326,793,370	\$2,091,669,557	System-wide
1060	Raw Wtr Trans Pump	\$40,844,897	\$115,036,111	System-wide
1080	Terminal Reservoirs	\$193,360,238	\$860,678,122	System-wide
1100	Water Treatment	379,876,736	\$820,869,205	By Region
1130	Distribution Pumping	176,813,081	\$324,782,969	By Region
1140	Distribution Reservoirs	338,690,760	\$952,867,307	By Region
1166	Distribution Mains	1,133,134,095	\$3,728,039,027	By Region
1170	Distribution Aqueducts	89,169,460	\$297,301,337	By Region
1175	Pressure Regulators	30,625,255	\$62,192,103	By Region
1180	Venturi Meters & Cath Prot Sta	6,032,937	\$11,364,041	By Region
1185	Distribution Hydrants	55,112,392	\$189,297,556	By Region
1200	General Plant Structures	\$217,567,238	\$381,324,318	System-wide
1205	Equipment-Trans & Constr	\$50,498,327	\$72,383,048	System-wide
1210	Equipment-Office	\$19,922,148	\$32,204,512	System-wide
1215	Equipment- Eng & Lab	\$3,699,288	\$6,337,401	System-wide
1220	Equipment-Tools & Work	\$4,516,067	\$7,759,110	System-wide
1225	Equipment- Stores	\$7,894	\$13,249	System-wide
1230	Equipment- Shop	\$1,688,016	\$2,937,299	System-wide
1300	Land Source of Supply	\$7,832,091	\$98,379,216	System-wide
1310	Land Raw Wtr Trans	\$3,710,592	\$46,625,441	System-wide
1315	ROW Raw Wtr Trans	\$1,229,538	\$3,165,654	System-wide
1320	Land Terminal Reservoirs	\$18,931,841	\$210,626,466	System-wide
1330	Land Water Treatment	\$2,974,390	\$18,933,270	System-wide
1340	Land Reclamation	\$2,174,793	\$3,944,875	System-wide
1350	Land Distribution	\$7,928,007	\$58,917,444	System-wide
1355	Land	\$1,737,088	\$4,086,570	System-wide
1360	Land General Plan	\$7,714,529	\$21,296,862	System-wide
1910	Unallocated As Built Costs	\$10,304,085	\$17,881,416	System-wide
1911	Deferred Software Costs	\$66,439,595	\$87,061,415	System-wide
1981	Dfd EB Wtrshed Master Pln Costs	\$5,900,230	\$8,390,083	System-wide
1985	Dfd Lab Expansion Costs	\$8,874,204	\$15,686,686	System-wide
1986	Dfd Solids Receiving Costs	\$728,024	\$1,528,666	System-wide
1988	Prelim Eng & Environ Studies	\$74,404,275	\$111,393,283	System-wide
	Subtotal	\$1,315,807,407	\$5,296,220,079	System-wide
	Subtotal	\$2,209,454,716	\$6,386,713,545	By Region
	<b>TOTAL</b>	<b>\$3,525,262,123</b>	<b>\$11,682,933,624</b>	

\*Original cost escalated by ENR Construction Cost Index from date of acquisition.

Source: EBMUD's ledger balance as of December 31, 2013

**Table 8. EBMUD Water SCC Review**  
**System-Wide Fixed Asset Balances in Buy-In (as of 1/1/2015)**

<b>Account Description</b>	<b>Original Cost</b>	<b>Current Value ENR 2015*</b>
1001 Auto Control System	\$69,616,886	\$123,164,869
1005 Hydroelect Power Generation	50,165,544	\$136,085,023
1015 Source of Water Supply	116,244,212	\$758,710,114
1025 Raw Wtr Transmission	326,793,370	\$2,091,669,557
1060 Raw Wtr Trans Pump	40,844,897	\$115,036,111
1080 Terminal Reservoirs	193,360,238	\$860,678,122
1200 General Plant Structures	217,567,238	\$381,324,318
1205 Equipment-Trans & Constr	50,498,327	\$72,383,048
1210 Equipment-Office	19,922,148	\$32,204,512
1215 Equipment- Eng & Lab	3,699,288	\$6,337,401
1220 Equipment-Tools & Work	4,516,067	\$7,759,110
1225 Equipment- Stores	7,894	\$13,249
1230 Equipment- Shop	1,688,016	\$2,937,299
1300 Land Source of Supply	7,832,091	\$98,379,216
1310 Land Raw Wtr Trans	3,710,592	\$46,625,441
1315 ROW Raw Wtr Trans	1,229,538	\$3,165,654
1320 Land Terminal Reservoirs	18,931,841	\$210,626,466
1330 Land Water Treatment	2,974,390	\$18,933,270
1340 Land Reclamation	2,174,793	\$3,944,875
1350 Land Distribution	7,928,007	\$58,917,444
1355 Land	1,737,088	\$4,086,570
1360 Land General Plan	7,714,529	\$21,296,862
1910 Unallocated As Built Costs	10,304,085	\$17,881,416
1911 Deferred Software Costs	66,439,595	\$87,061,415
1981 Dfd EB Wtrshd Master Pln Costs	5,900,230	\$8,390,083
1985 Dfd Lab Expansion Costs	8,874,204	\$15,686,686
1986 Dfd Solids Receiving Costs	728,024	\$1,528,666
1988 Prelim Eng & Environ Studies	74,404,275	\$111,393,283
<b>TOTAL</b>	<b>\$1,315,807,407</b>	<b>\$5,296,220,079</b>

\*Original cost escalated by ENR Construction Cost Index from date of acquisition.

Source: EBMUD's ledger balance as of December 31, 2013



**Table 10. EBMUD Water SCC Review  
Adjustment of Fixed Asset Value**

	Value	% of Total
1/1/15 Fixed Assets Value (Escalated by ENR)	\$11,682,933,624	
6/30/14 Fixed Assets Value (Escalated by ENR)	\$11,523,022,295	100%
Adjustment to Fixed Assets:		
Less Outstanding Debt (6/30/14)	-\$2,670,571,000	
Plus Existing Cash Reserves (6/30/14)	\$331,642,000	
Net Fixed Assets Value (6/30/14)	\$9,184,093,295	79.70%
Net Fixed Assets Value (1/1/15)	\$9,311,546,018	
Adjustment Factor of Fixed Assets		<b>79.70%</b>

**Table 11. EBMUD Water SCC Review  
Calculation of Buy-in to System-Wide Fixed Assets**

System-Wide Fixed Assets (from Table 7)	\$5,296,220,079
Net System-Wide Fixed Assets Value	79.70% \$4,221,199,792
District Projected Net 2030 Consumption (gpd)	212,000,000
<b>Buy-in to Net System Wide Fixed Assets (\$/100 gpd)</b>	<b>\$1,991</b>

**Table 16. EBMUD Water SCC Review**  
**Combined Regions Regional Fixed Assets Buy-in Calculations\***  
**(as of 1/1/15)**

<b>Account</b>	<b>Descr</b>	<b>Region1</b>	<b>Region 2</b>	<b>Region 3</b>	<b>Total</b>
1100	Water Treatment	\$406,108,074	\$134,031,689	\$280,729,442	\$820,869,205
1130	Distr Pumping	\$63,540,062	\$110,678,867	\$150,564,040	\$324,782,969
1140	Distr Reserv	\$260,656,351	\$349,869,358	\$342,341,597	\$952,867,307
1166	Distr Main	\$1,810,319,723	\$795,867,328	\$1,121,851,976	\$3,728,039,028
1170	Distr Aqueducts	\$236,008,416	\$61,292,921	\$0	\$297,301,337
1175	Pressure Regul	\$16,310,343	\$37,898,154	\$7,983,607	\$62,192,103
1180	Venturi & Cathodic	\$7,082,944	\$617,181	\$3,663,915	\$11,364,040
1185	Distr Hydrants	<u>\$90,407,886</u>	<u>\$32,407,433</u>	<u>\$66,482,237</u>	<u>\$189,297,556</u>
	<b>Total</b>	<b>2,890,433,800</b>	<b>1,522,662,931</b>	<b>1,973,616,815</b>	<b>6,386,713,545</b>
	<b>Adjusted totals</b>	<b>79.70%</b>	<b>2,303,737,075</b>	<b>1,213,594,668</b>	<b>1,573,014,483</b>
	<b>Regional Consumption</b>				
	<b>gpd</b>	<b>116,000,000</b>	<b>30,100,000</b>	<b>65,900,000</b>	
	<b>Regional Buy-in \$/100 gpd</b>	<b>\$1,985</b>	<b>\$4,031</b>	<b>\$2,386</b>	

\*Original cost escalated by ENR Construction Cost Index from date of acquisition.

### **3. Wastewater System Rates and Charges**



## Chapter 3 – Wastewater System Rates and Charges

### INTRODUCTION

The District updates the wastewater systems rates and charges biennially in conjunction with development of its budget. The rates and charges are designed to recover the costs identified in the proposed operating and capital budgets and to meet Board policy goals. The proposed overall rate increase is 5% for FY16 and 5% for FY17.

Wastewater charges that are collected on the water bill include the Treatment Service Charge, Treatment Strength Charge, and Treatment Flow Charge. Other Wastewater charges include special fees collected for the Pollution Prevention (Pollution Prevention Fees) and Pretreatment Programs (permit fees), the Wet Weather Facilities charge collected on the property tax bill and other ancillary charges. The District completed a cost of service (COS) study in FY15 to ensure that all the District's rates and charges are appropriately and equitably established consistent with California law. As a result of the study, rate increases will differ for each business classification code. Illustrations of the varying impacts of the cost of service changes and overall FY16 and FY17 rate increases are presented in this chapter.

Details of the cost of service adjustments and the FY16 and FY17 rate calculations are contained in the District's COS study. They are also addressed in the General Manager's March 19, 2015 memo to the Board which discusses the proposed FY16 and FY17 rates that are subject to Proposition 218. The wastewater systems rates and charges will be effective on bills issued on or after July 1, 2015 for FY16 and on or after July 1, 2016 for FY17.

### RECOMMENDATIONS

The recommendations in this section of this report cover the Wastewater System rates and charges including the Treatment Rates for Service, Strength and Flow Charge, Permit Charges, and Wet Weather Facilities Charge.

Recommended changes to Wastewater System rates and charges are:

#### *Wastewater Treatment Rates and Wet Weather Facilities Charge:*

- Increase Wastewater Treatment Rates (Service, Strength, Flow) and Wet Weather Facilities Charge 5.0% overall for FY16 and 5.0% overall for FY17. These rate increases support the proposed FY16 and FY17 operating and capital expenses.
- Implement the updated cost of service study results. This will require adjustments to individual wastewater treatment unit rates for flow, inflow and infiltration, chemical oxygen demand filtered, total suspended solids, and customer service. Revise the structure for the Wet Weather Facilities Charge to be based on the customer's lot size. Although the overall rate increase will be 5.0% and 5.0% as described above, the adjustments in FY16 reflecting the COS study will result in different rate increases for each business classification code and lot size.
- Adopt the FY16 and FY17 Wastewater Treatment Rates and Charges as shown in Wastewater System Schedule A – Rates for Treatment Service (see Tab 5).

- Adopt the FY16 and FY17 Wastewater System Schedule F – Wet Weather Facilities Charge (see Tab 5).

*Other Wastewater Fees and Charges:*

- Increase the industrial monitoring permit fee by 10.3% in FY16 and by 10.2% in FY17 as shown in Schedule D - Wastewater Department Other Fees (see Tab 5).

## DISCUSSION

### Wastewater Treatment Rates and Wet Weather Facilities Charge

Increase overall wastewater system rates and charges by 5.0% in FY16 and 5.0% in FY17 –

The purpose of wastewater system rates and charges is to cover expenditures in the District's operating and capital budgets and to meet the Board's policy goals. The proposed rate increases address the District's needs as presented in its proposed biennial budget for FY16-17. Details of the individual rate increases are shown below under **Wastewater System Cost of Service and FY16 and FY17 Proposed Rates**. Details of the FY16 and FY17 budget objectives, operating budget, capital expenses, and debt expenses are available in the FY16 and FY17 Biennial Budget and Capital Project Summaries.

The proposed rate increases are consistent with projections made in FY13, when the FY14-15 biennial budget was adopted. At that time, it was projected that rates in FY16 and FY17 would need to increase by 5.0% and 5.0% respectively. The proposed rate increases are consistent with those projections.

The District's ability to remain true to its projections is notable given that the FY16-17 budget is based on lower projections of treatment flows due to the reduced water use. District wastewater revenues are in part dependent upon billed water usage. The proposed rates are based on the assumption that wastewater rate revenue will be about 4% lower than had been projected when the FY14-15 budget was adopted. The rate increases for FY16-17 are consistent with the levels projected for these years largely as a result of operating cost savings, lower benefits costs, debt savings from refinancings, and increased resource recovery revenue.

The rate increases for FY16-17 are sized to address incremental costs incurred during those budget years. Table 1 below illustrates the amount of revenue needed from the FY16-17 rate increases in order to fund FY17 expenditures. Between FY15 and FY17 operation and maintenance (O&M), debt service, and capital expenses are budgeted to increase to varying degrees. In total, expenses in FY17 are projected to be \$141.4 million, 11.9% higher than FY15. The District can access a variety of non-rate based revenues such as bond proceeds, property taxes, capacity charges and reserves. These revenues are projected to cover \$48.3 million of expenditures in FY17, leaving \$93.1 million to be addressed from rate revenues. FY15 rate revenues generated \$84.8 million of the necessary \$93.1 million, leaving \$8.3 million, or 10%, of incremental expenditures to be addressed from rate increases. This 10% is proposed to be distributed over two years, with a 5% increase in FY16 and a 5% increase in FY17, consistent with the projections made when the FY14-15 budget was adopted.

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

	FY15	FY17	2-Yr Δ
<b>Revenue Requirement</b>			
+ O&M expense	\$63.3	\$70.7	11.7%
+ Debt service expense	34.3	34.0	-0.9%
+ Capital expense	30.9	36.7	18.8%
Total expenses =	128.5	141.4	11.9%
- Other revenues	-40.2	-48.3	20.1%
Revenue requirement =	\$88.3	\$93.1	5.4%
<b>Revenue Adjustment</b>			
+ Revenue requirement		\$93.1	
- Revenue from FY15 rates		-84.8	
Difference (\$)		8.3	
<b>Difference (%)</b>		<b>10%</b>	

### **Wastewater System Cost of Service Study and FY16 and FY17 Proposed Rates**

State law mandates public utility rates and charges be based on cost of service (COS). District policy also requires COS based rates and charges. A COS study allocates operating and capital costs to each customer (based on business classification code) based on both the customer's sewer discharge characteristics and the wastewater facility design and operations. This nexus between sewer discharge and cost forms the financial and legal basis for setting utility rates and charges. Over time, both customer sewer 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.

In November 2013, EBMUD retained Raftelis Financial Consultants (RFC) to perform COS studies for the water and wastewater systems. The RFC study indicates that the District's FY14-15 rates are generally in line with COS principles but, as expected, the study also indicates some recommended adjustments. The recommendations have been incorporated in the proposed rates and charges.

#### *Wastewater Cost of Service Summary*

The findings of the Wastewater COS study are summarized as follows:

- Treatment Charge
  - Treatment assumptions were adjusted to more accurately reflect current customer class strengths and flows. The result is a decrease in the overall SFR charge and a corresponding increase in non-residential customer charges with similar wastewater characteristics.

- Wastewater treatment charges continue to be billed based on volume of flow (in \$/CCF), and strength of the flow as measured in pounds of chemical oxygen demand filtered (\$/pound CODF) and pounds of total suspended solids (\$/pound TSS).
- Wet Weather Facilities Charge
  - The basis for the current charge is equivalent SFR laterals. With a shift in the Wet Weather program towards infiltration/inflow and focus on upgrade of laterals, the COS study indicates a need to update the basis of the Wet Weather Facilities Charge. The proposed new basis for the charge is lot size, as peak wet weather flows in the wastewater service area are proportional to the surface area. Wet Weather Facilities Charges are based on 3 generalized lot size categories: 0-5,000 square feet (sq ft); 5,001-10,000 sq ft; >10,000 sq ft. Most residential customers will pay about the same or less than they do now. Customers with over 10,000 sq ft lots will see increased charges.

Below, in Table 2, are the final FY16 and FY17 proposed rates and customer impacts combining the COS adjustments with the overall rate increases for FY16 and FY17.

**Table 2 – Proposed Wastewater Treatment Customer Impacts\*  
(COS Combined with FY16 and FY17 Increases)**

	FY15 Current	FY16 Proposed	Change		FY17 Proposed	Change	
Single Family Residential Average -6 Ccf	\$19.25	\$19.01	-\$0.24	-1.30%	\$19.93	\$0.92	4.80%
Single Family Residential Max -9 Ccf	\$21.61	\$22.13	\$0.52	2.40%	\$23.20	\$1.07	4.80%
Multi-Family Residential Fourplex	\$56.41	\$61.21	\$4.81	8.50%	\$64.16	\$2.95	4.80%
Commercial Office	\$105.61	\$128.77	\$23.16	21.90%	\$135.03	\$6.26	4.90%
Commercial Restaurant	\$229.61	\$246.27	\$16.66	7.30%	\$258.53	\$12.26	5.00%
Industrial	\$6,557.61	\$6,915.77	\$358.16	5.50%	\$7,261.03	\$345.26	5.00%

\*Includes SF Bay Residential Pollution Prevention Fee

The unit rates listed in Table 3 below are used to calculate the Treatment Strength Charge and Treatment 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, chemical oxygen demand filtered (CODF) and total suspended solids (TSS) which are used to determine the unit cost for each billable constituent. The unit rate



increases listed in Table 3 combine the COS adjustments with the overall rate increases for FY16 and FY17.

**Table 3 – Proposed Treatment Unit Rates  
(COS Combined with FY16 and FY17 Increases)**

Unit Rates	FY15 Rate	FY16 Proposed	Change	FY17 Proposed	Change
Service Charge (\$/acct)	\$7.13	\$5.29	-25.8%	\$5.55	4.9%
Flow (\$/Ccf)	0.787	1.033	31.3%	1.085	5.0%
CODF (\$/lbs)	0.294	0.306	4.1%	0.321	4.9%
Total Suspended Solids (\$/lbs)	0.431	0.447	3.7%	0.469	4.9%

### *Residential Charges*

The residential charge on the water service bill is composed of the Wastewater Service Charges and a separate fee for the San Francisco Bay Residential Pollution Prevention Program.

For the Wastewater Service Charges, unit rates are applied to residential discharge characteristics to calculate the fixed residential Treatment Strength Charge. Residential customers also pay the Treatment Service Charge and a Treatment Flow Charge that varies with water use to a maximum of 9 CCF per month per dwelling unit. As result of the COS adjustments to the residential discharge characteristics and flow and overall inflow and infiltration cost allocations, the average Wastewater Service Charges on the residential customer bill will decrease \$0.24 per month in FY16 from \$19.25 to \$19.01 (-1.3%). For FY17, the average Wastewater Service Charges charge will increase \$0.92 per month from \$19.01 to \$19.93 (4.8%). The monthly charges include the San Francisco Bay Residential Pollution Prevention Program monthly fee, which remains at \$0.20 per month for FY16 and FY17.

Exhibit 1 compares the estimated annual residential wastewater collection treatment and disposal charges with comparable charges of other agencies. The total estimated average District charge for FY16, including the San Francisco Bay Residential Pollution Prevention Fee and Wet Weather Facilities Charge (described below), is \$318 per year for treatment and wet weather. It should be noted that in Exhibit 1 the individual city charges for wastewater collection services are added to the District's treatment and disposal charge in order to calculate the total charge for residential wastewater service. The total residential charges are then compared to similar charges for other agencies and communities in the Bay Area.

### *Non-residential Charges*

Non-residential users are assigned typical waste strengths by business classification code for CODF and TSS. The unit rates are applied to the assigned strengths for each business classification code to determine individual non-residential treatment charges, which includes flow processing. The FY16 increase in treatment charges between each business classification code will vary as the COS adjustments result in non uniform changes to the unit rates for flow, CODF, TSS, and service. The proposed FY16 and FY17 non-residential treatment rates for each business classification code rates are shown on Schedule A Wastewater Department Rates for Treatment

Service under Tab 5. The COS adjustments, combined with the 5% FY16 overall rate increase, result in FY16 non-residential treatment charge increases ranging from 5.5% to 28.3% when compared to FY15, depending on business classification code. In FY17, the 5% overall rate increase results in non-residential treatment charge increase that range from 4.9% to 5.2% when compared to FY16; actual treatment rates are rounded to the whole cent.

Non-residential users also pay the proposed service charge of \$5.29 in FY16 and \$5.55 in FY17 on their monthly water service bill. The San Francisco Bay Commercial Pollution Prevention Fee of \$5.48 for FY16 and FY17 is also included on the monthly water service bill for non-residential users.

*Wet Weather Facilities Charge*

Table 4 shows the proposed Wet Weather Facilities Charge using the proposed three generalized lot size categories. At the November 25, 2014 Board workshop, staff presented a COS proposal for Wet Weather Facilities Charges based on the average lot size for 1) all residential customers and 2) all non-residential customers. Based on subsequent input from RFC, the revised charges no longer distinguish between residential and non-residential lots as there is not a clear difference between the wet weather contribution of a residential lot and a non-residential lot of equal size.

**Table 4 – Proposed Wet Weather Facilities Charge (COS Combined with FY16 and FY17 Increases) (\$/Lot Size)**

	FY15	FY16			FY17		
Single Family Residential	\$89.34	\$89.62	\$140.00	\$320.00	\$94.10	\$147.00	\$336.00
Multi-Family Residential 2 Units	\$178.68						
Multi-Family Residential 3 Units	\$268.02						
Multi-Family Residential 4 Units	\$357.36						
Multi-Family Residential 5+ Units	\$446.70						
Commercial	\$134.00						
Industrial	\$134.00						
Parcels with Multiple Accounts	\$223 to \$670 +						
		Small Lot 0 – 5,000 sq ft	Medium Lot 5,001 – 10,000 sq ft	Large Lot >10,000 sq ft	Small Lot 0 – 5,000 sq ft	Medium Lot 5,001 – 10,000 sq ft	Large Lot >10,000 sq ft

## Wastewater Permit Fees

Increase industrial monitoring fee by 10.3% in FY16 and by 10.2% in FY17 –

For some Discharge Minimization 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 \$1,070 be increased to \$1,180 in FY16 and to \$1,300 in FY17 as shown on Schedule D, Wastewater Department Other Fees, under Tab 5. These increases reflect the actual staff costs to perform the monitoring activities.

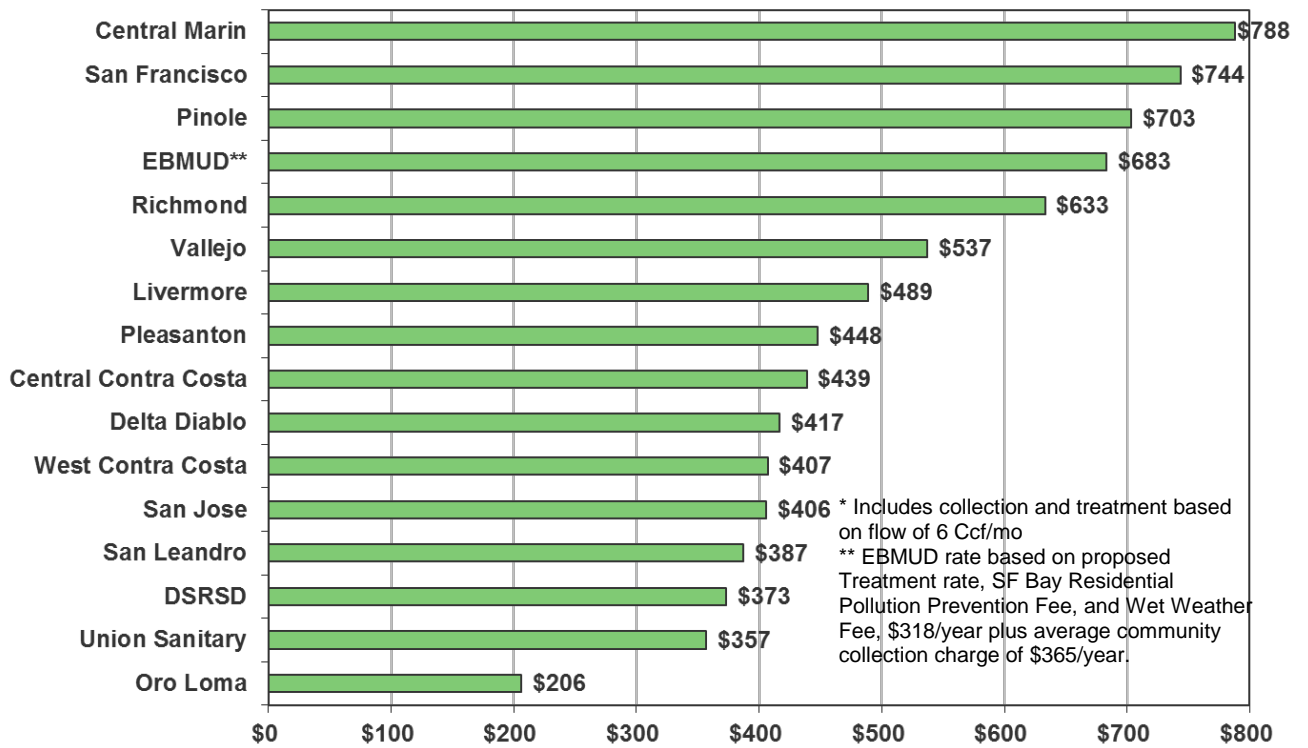
**TABLE 5 – SUMMARY OF PROPOSED PERMIT FEE CHANGES**

Description	FY15 Fee	Proposed FY16		Proposed FY17	
		Fee	% Incr	Fee	% Incr
Industrial Monitoring Fee (per event if required)	\$1,070	\$1,180	10.3%	\$1,300	10.2%

**Exhibit 1**

**COMPARATIVE RESIDENTIAL WASTEWATER CHARGES**

**Annual Charges\* – May 2015**



#### **4. Wastewater Capacity Fees**



## Chapter 4 – Wastewater Capacity Fees

### INTRODUCTION

The Wastewater Capacity Fee (WCF) was established in 1984 to recover costs for 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 filtered (CODF) 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 and 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 average wastewater strength measured or assigned for each classification of customer and the unit capacity rates for flow and strength factors. For non-residential customers, a review of the actual flow and strength may be conducted 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.

### RECOMMENDATIONS

- Adopt the FY16 Schedule G for the Wastewater Department Capacity Fees. The proposed fees include the third year of the 5-year phase-in of the revised WCF calculations approved by the Board in 2013 and updates for the construction of additional facilities and construction cost escalations.

The FY17 rates for Schedules G will be updated at the end of FY16 when the construction cost escalation index for 2016 and updated facility costs are known. The changes and updates recommended for the WCF will be effective on August 10, 2015, or sixty days after adoption by the Board. The capacity fee is not subject to Proposition 218 notification.

### DISCUSSION

In 2013 the Board approved a modification to the WCF calculation based on decreasing the design-capacity value from 120 MGD to 85 MGD to reflect the build-out capacity of the wastewater service area. The modifications to the WCF calculations were recommended by a financial rate consultant hired to conduct a comprehensive study of the District’s WCF methodology. The Board approved the change in the WCF calculation and phased the change in over 5 years. If the change to the design capacity were implemented in one step, the unit capacity rates would have increased in FY14 by 49.2% for flow, 154.8% for CODF and 45.7% for TSS and the resulting WCF increase for FY14 to the single family connection would have been 60.2%. With the 5-year phase-in, the FY14 and FY15 WCF increases for the single family connection were 12.1% and 16% respectively.

For FY16 staff has updated the WCF calculations for the addition of new facilities and to reflect the construction cost escalations. These calculations are shown in Tables 1 through 5. In addition, the third year of the 5-year phase-in of the modification of the WCF calculation was implemented. For FY16, the WCF rate is proposed to increase by 15.7% for the single-family connection, going from \$1,607 to \$1,860. Table 1 shows the proposed unit capacity rates for FY16 for the third year of the 5-year phase-in. The entire list of proposed capacity fees for FY16 is contained in Schedule G Wastewater Department Capacity Fee in Tab 4.

**TABLE 1 UNIT CAPACITY RATES WITH PROPOSED DESIGN FLOW MODIFICATION**

<b>Unit Capacity Rate</b>	<b>Current</b>	<b>FY16 PHASED-IN YR 3</b>	<b>% Incr</b>
Flow /Ccf/ Month	\$121.97	\$139.19	14.1%
CODF / lbs/ Month	\$ 30.34	\$ 38.20	25.9%
TSS / lbs/ Month	\$ 48.77	\$ 55.41	13.6%
<b>Single Family Connection Charge</b>	<b>\$1,607</b>	<b>\$1,860</b>	<b>15.7%</b>



## EXHIBIT 1

Table 2

**EBMUD Wastewater Capacity Fee Analysis**  
**Asset Values by Class Code (as of 1/1/15)**

<u>Class Code</u>	<u>Class Description</u>	Original Value <u>Class Total</u>	2015 ENR Adjusted Value <u>Class Total</u>
<b>WW0301 Total</b>	North Interceptor	\$41,667,643	\$114,311,320
<b>WW0302 Total</b>	South Interceptor	34,258,339	179,522,953
<b>WW0303 Total</b>	Alameda Interceptor	9,630,895	40,231,859
<b>WW0304 Total</b>	Estuary Crossing	456,493	7,971,291
<b>WW0305 Total</b>	Central Avenue Interceptor	8,938,996	15,003,018
<b>WW0306 Total</b>	South Foothill Interceptor	21,468,263	38,837,351
<b>WW0307 Total</b>	Adeline Street Interceptor	18,612,785	32,045,325
<b>WW0308 Total</b>	Powell Street Interceptor	5,290,727	9,275,956
<b>WW0309 Total</b>	ANAS Interceptor	3,487,760	5,463,407
<b>WW0310 Total</b>	Wood St Interceptor	798,725	1,275,701
<b>WW0311 Total</b>	Mwwtp-Outfall Land	2,078,909	34,770,908
<b>WW0312 Total</b>	Mwwtp-Outfall Submarine	5,545,770	32,818,194
<b>WW0313 Total</b>	Mwwtp-Outfall Bridge	238,025	512,464
<b>WW0321 Total</b>	Pump Station A-Albany	3,671,840	6,388,398
<b>WW0322 Total</b>	Pump Station B-Fernside	6,626,560	12,434,844
<b>WW0323 Total</b>	Pump Station C-Krusi Park	13,118,647	25,187,711
<b>WW0324 Total</b>	Pump Station D-Oak Street	1,457,339	2,213,732
<b>WW0325 Total</b>	Pump Station E-Grand Street	1,437,475	2,046,090
<b>WW0326 Total</b>	Pump Station F-Atlantic Avenue	1,858,182	4,593,946
<b>WW0327 Total</b>	Pump Station G-Airport	2,676,794	5,586,570
<b>WW0328 Total</b>	Pump Station H-Fruitvale	11,425,516	19,863,858
<b>WW0329 Total</b>	Pump Station J-Frederick Street	1,353,719	3,916,913
<b>WW0330 Total</b>	Pump Station K-7Th Street	1,426,705	3,981,656
<b>WW0331 Total</b>	Pump Station L	4,860,237	8,696,093
<b>WW0333 Total</b>	Pump Station Q- Wet Weather Page St Berkeley	570,705	926,833
<b>WW0334 Total</b>	Pump Station N (new)	6,329	7,894
<b>WW0335 Total</b>	ANAS Pump Station	7,367,039	11,544,267
<b>WW0341 Total</b>	Mwwtp-Influent Pump Station	33,580,591	69,840,677
<b>WW0342 Total</b>	Mwwtp-Effluent Pump Station	18,614,506	46,009,348
<b>WW0343 Total</b>	Pt. Isabel Tp-Treatment & Pretreatment Structures	45,242,670	73,142,834
<b>WW0344 Total</b>	Pump Station M - Bridgeway	1,817,199	2,926,855
<b>WW0346 Total</b>	Mwwtp-Mid-Plant Pump Station	6,638,722	9,892,389
<b>WW0347 Total</b>	Mwwtp-Water Pump Station #3	896,125	1,627,471
<b>WW0348 Total</b>	Mwwtp-Wet Weather Pump Station	950,812	1,324,449
<b>WW0349 Total</b>	Mwwtp-Washdown Pump Station	215,504	391,381
<b>WW0351 Total</b>	Mwwtp-Aerated Grit Tanks	7,026,001	24,202,205
<b>WW0352 Total</b>	Mwwtp-Chlorine System	126,681	149,757
<b>WW0354 Total</b>	Point Richmond-Pretreatment Structure	8,000	13,644
<b>WW0355 Total</b>	Oakport Wet Weather-Pretreatment Structure	8,697,836	17,859,442
<b>WW0356 Total</b>	Oakport Wet Weather-Pretreatment Structure	737,462	1,515,496
<b>WW0357 Total</b>	Mwwtp-Grit Dewatering Station	12,447,091	16,304,489
<b>WW0358 Total</b>	Mwwtp-Channel Crossing For Bypass Channel	4,780,140	8,681,315
<b>WW0359 Total</b>	Mwwtp 90" Pipe-Primry Effluent Bypass	2,005,802	3,642,780
<b>WW0360 Total</b>	Mwwtp 72" Pipe-Primry Influent Bypass	2,540,549	4,470,103
<b>WW0361 Total</b>	Mwwtp-Diversion Structure	25,290,502	67,952,698
<b>WW0362 Total</b>	Mwwtp-Bypass Inlet Structure	15,415,976	61,153,444

Table 2 (cont.)

<u>Class Code</u>	<u>Class Description</u>	Original Value	2015 ENR Adjusted Value
		<u>Class Total</u>	<u>Class Total</u>
<b>WW0363 Total</b>	North Interceptor Junction Storage	341,675	1,012,916
<b>WW0364 Total</b>	Mwwtp-Bypass Outlet Structure	587,432	1,716,861
<b>WW0365 Total</b>	Mwwtp-Final Effluent Bypass Channel	1,910,831	2,336,609
<b>WW0366 Total</b>	Mwwtp-Storage Basin	20,495,220	37,805,485
<b>WW0368 Total</b>	Mwwtp-Interem Sludge Disposal Facility	528,794	1,094,366
<b>WW0369 Total</b>	Mwwtp-Reactor Deck Area-Oxygen Production	11,292,511	25,230,153
<b>WW0370 Total</b>	Mwwtp-Secondary Treatment Facility	63,097,122	167,146,194
<b>WW0371 Total</b>	Mwwtp-Grounds & Improvements	10,586,649	54,003,660
<b>WW0372 Total</b>	Mwwtp-Administration And Lab Building	14,623,984	22,985,842
<b>WW0373 Total</b>	Mwwtp-Service Building	85,103	1,408,455
<b>WW0374 Total</b>	Mwwtp-Chemical Storage Building (Relocated)	3,099,994	5,026,753
<b>WW0375 Total</b>	Mwwtp-Administration And Lab Center	28,694,859	56,684,621
<b>WW0376 Total</b>	Mwwtp-Maintenance Center	12,537,129	22,932,110
<b>WW0381 Total</b>	Mwwtp-Process Water Plant	3,234,026	11,215,114
<b>WW0382 Total</b>	Mwwtp-Dechlorination Station	11,538,235	20,130,556
<b>WW0383 Total</b>	Mwwtp-Sludge Digestion Facilities	70,847,958	107,699,923
<b>WW0384 Total</b>	Mwwtp-Sludge Dewatering Facilities	39,171,706	59,740,795
<b>WW0385 Total</b>	Mwwtp-Temp Sludge Dewatering Facility	1,862,957	2,632,261
<b>WW0386 Total</b>	Mwwtp-Power Generation Station	79,725,786	117,106,778
<b>WW0387 Total</b>	Mwwtp-Filter Plant Solids Handling Facility	20,576,772	26,522,481
<b>WW0388 Total</b>	Mwwtp-Odor Control At Sludge Thickener	15,478,993	29,165,024
<b>WW0390 Total</b>	Mwwtp-Compost Area	138,697	264,510
<b>WW0391 Total</b>	Oakport WW-Chlor System	591,003	1,209,296
<b>WW0392 Total</b>	Oakport WW-DeChlor System	925,477	1,771,904
<b>WW0393 Total</b>	Oakport WW-Control Bldg	1,439,408	2,957,229
<b>WW0394 Total</b>	Oakport WW-Emg Gen	708,623	1,456,232
<b>WW0395 Total</b>	Oakport WW-Drainage	1,160,534	2,384,915
<b>WW0396 Total</b>	Oakport WW-Washwtr Pump Sta.	121,075	248,812
<b>WW0397 Total</b>	Oakport WW-Storage Bldg.	436,931	897,901
<b>WW0398 Total</b>	Oakport WW-Lscape/Pav/Fence	1,996,609	4,088,124
<b>WW0399 Total</b>	Mwwtp-Scum Dewatering Station	8,971,497	12,627,707
<b>WW0400 Total</b>	Mwwtp-Chemical Trench	720,479	1,308,477
<b>WW0401 Total</b>	Mwwtp-Piping For Plant Utilities	26,513,219	47,219,548
<b>WW0402 Total</b>	Mwwtp-Chlorination Building	4,251,633	7,686,044
<b>WW0450 Total</b>	Mwwtp-Composting Facility	1,455,854	1,893,932
<b>WW0500 Total</b>	San Antonio Creek Wet Weather TP	13,470,868	22,969,808
<b>WW0501 Total</b>	San Antonio Creek Ww Dechlorination Facility	3,590,821	5,732,873
<b>WW0502 Total</b>	San Antonio Creek Ww Outfall Structure	2,682,144	4,566,044
<b>WW0503 Total</b>	San Antonio Creek Ww Gravity Sewer	540,029	920,996
<b>WW0504 Total</b>	San Antonio Creek Ww Lake Merritt Channel Crossing	1,759,796	3,001,258
<b>WW0505 Total</b>	San Antonio Creek Ww Outfall Subequacious Pipeline	2,278,822	3,886,436
<b>WW0506 Total</b>	Mwwtp-Bulk Storage Area	4,675,143	7,973,261
<b>WW0507 Total</b>	Mwwtp-Pre-Chlorination Facility	1,451,611	2,475,661
<b>WW0508 Total</b>	Mwwtp-Sodium Bisulfite Area	2,228,383	3,800,415
<b>WW0917 Total</b>	Mwwtp-Field Services Bldg	2,707,085	4,058,682
<b>WWLAND Total</b>	Wastewater Land - General	14,461,026	18,037,252
<b>WWPEQP Total</b>	All Wastewater Portable Equipment	14,399,671	20,561,361
<b>Grand Total</b>		<b>\$921,356,762</b>	<b>\$1,988,124,964</b>

**Table 3**  
**EBMUD Wastewater Capacity Fee Analysis**  
**Summary of Grant Funded Fixed Assets (as of 1/1/15)**

<u>Description</u>	<u>Original Cost</u>	<u>Year</u>	<u>2015 ENR Adjusted Value</u>
Digester	\$15,070,000	1976	\$62,363,815
Dewatering	4,435,827	1978	15,876,937
Temp. Dewatering	340,000	1978	1,216,945
Oxygen Production	4,086,325	1977	15,761,539
Secondary Reactors	16,260,000	1977	62,717,143
Secondary Clarifiers	12,040,000	1977	46,440,000
Grit Facilities	570,000	1976	2,358,817
Operations Center	760,000	1976	3,145,090
Scum Sys Equip	120,000	1976	496,593
Post Chlorination Equip	70,000	1976	289,679
Secondary Sys Channels	3,480,000	1976	14,401,200
Allocation of other SD	290,000	1976	1,200,100
Dechlorination	1,230,000	1978	4,402,478
Outfall Structure	450,000	1974	2,213,465
Operations Center	1,520,000	1976	6,290,179
Adm & Lab Bldg	1,950,000	1976	8,069,638
Maint. Bldg	780,000	1976	3,227,855
Lab Equip	320,000	1976	1,324,248
Process Water Plant	3,070,000	1977	11,841,429
Grounds & Imprvmt	540,000	1977	2,082,857
Main pump Equip	590,000	1976	2,441,583
Effl. Pump Equip	960,000	1976	3,972,745
Grit Tanks	3,130,000	1976	12,952,803
Sedim Tanks	5,560,000	1976	23,008,813
Interim Sludge	460,000	1971	2,890,930
Post Chlorination	<u>210,000</u>	<u>1967</u>	<u>1,942,793</u>
Total	\$78,290,000		\$312,929,674
80% of Total			\$250,343,739

**Table 4**  
**FY16 EBMUD Wastewater Capacity Fee Analysis**  
**Without Phasing**

	<b>Without Phasing Proposed FY16</b>	<b>Without Phasing Current FY15</b>
<b>Present Value Calculation</b>		
Present Value (PV) of Existing Facilities (1)	\$1,988,124,964	\$1,934,500,016
Less 80% of PV of Grant Funded Facilities	(312,929,674)	(304,489,139)
Less Outstanding Bonds and Loans	(442,503,000)	(455,569,000)
Cash Reserve as Asset	53,578,800	48,482,200
<b>Net Present Value</b>	<b>1,286,271,090</b>	<b>1,222,924,076</b>
<b>Unit Cost Allocation Calculation (2) Cost Allocation</b>	<b>Unit Cost/month</b>	<b>Unit Cost/month</b>
Flow 44.89% 577,407,092 41477000 ccf/yr	167.05 \$/ccf	158.83 \$/ccf
CODF 20.59% 264,843,218 61274000 lbs/yr	51.87 \$/lb	49.31 \$/lb
TSS 34.52% 444,020,780 80632000 lbs/yr	66.08 \$/lb	62.83 \$/lb
<b>Derivation of Single Family WCF</b>		
Flow 6.7 ccf/mo	1,119.26	1064.14
CODF 7.9 lbs/mo	409.75	389.57
TSS 11.29 lbs/mo	746.06	709.31
<b>Total</b>	<b>\$2,275.07</b>	<b>\$2,163.02</b>
% Increase	<b>5.2%</b>	
<b>Notes:</b>		
(1) Present value calculated based on escalation by ENR (Source of SD-1 fixed asset list - Finance Department, Accounting Systems)		
(2) Based on 2000 Carollo study model allocations.		

**Table 5**  
**FY16 EBMUD Wastewater Capacity Fee Analysis**  
**5-Year Phase-in of Modification to WCF Calculation**

	Without Phasing					
	FY13	FY14	FY15	FY16	FY17	FY18
Flow Unit Cost \$/CCF	\$97.40	\$145.30	\$158.83	\$167.05		
CODF Unit Cost \$/lbs	17.70	45.1	49.31	51.87		
TSS Unit Cost \$/lbs	39.40	57.4	62.83	66.08		
SFR Connection Charge	1,235	1,978	2,163	2,275		

	With 5-Yr Phase-In					
	FY13	Year 1 FY14	Year 2 FY15	Year 3 FY16	Year 4 FY17	Year 5 FY18
Flow Unit Cost \$/CCF	\$97.40	\$106.98	\$121.97	\$139.19		
CODF Unit Cost \$/lbs	17.70	23.18	30.34	38.20		
TSS Unit Cost \$/lbs	39.40	43.00	48.77	55.41		
SFR Connection Charge	1,235	1,385	1,607	1,860		



**5. Schedule of Rates  
Charges and Fees**





# RECOMMENDED SCHEDULES OF RATES, CHARGES AND FEES

FY16

## Water System

Schedule A – Rate Schedule for Water Service

Schedule C – Charges for Special Services

Schedule H – Standard Participation Charge (SPC)

Schedule J – System Capacity Charge (SCC)

Schedule L – Drought Surcharge Rate Schedule for Water Service

Schedule N – Water Demand Mitigation Fees

Regulations Section 1 – Explanation of Terms Used in these Regulations

Regulations Sections 2 – Applying for Services

Regulations Section 3 – Standard Service

Regulations Section 9 – Guarantee Deposits

Regulations Section 29 – Prohibiting Wasteful Use of Water

Regulations Section 30 – Nonpotable Water Service

Regulations Section 31 – Water Efficiency Requirements

Recreation Use Fees for Calendar Years 2016 and 2017

Public Records Act Fee Schedule

## Wastewater System

Schedule A – Rates for Treatment Service

Schedule D – Other Fees

Schedule F – Wet Weather Facilities Charge

Schedule G – Capacity Fees



**Schedule A**

**Rate Schedule for Water Service**

**FY16**





SCHEDULE A

RATE SCHEDULE FOR WATER SERVICE

**A. ONE MONTH BILLING**

Bills for all metered services shall consist of:

FIRST - A WATER SERVICE CHARGE ~~and A SEISMIC IMPROVEMENT PROGRAM SURCHARGE~~ based on the size of a standard meter:

<u>METER SIZE</u>	SERVICE CHARGE AMOUNT		SEISMIC IMPROVEMENT PROGRAM SURCHARGE
5/8 and 3/4 inch meters .....	<del>\$14.69</del>	<u>\$19.34</u>	\$1.37
1 inch meter .....	<del>23.63</del>	<u>29.20</u>	3.45
1-1/2 inch meter .....	<del>38.10</del>	<u>53.88</u>	6.89
2 inch meter .....	<del>55.66</del>	<u>83.48</u>	11.02
3 inch meter .....	<del>96.64</del>	<u>162.42</u>	20.65
4 inch meter .....	<del>155.11</del>	<u>251.24</u>	34.40
6 inch meter .....	<del>301.37</del>	<u>497.92</u>	68.82
8 inch meter .....	<del>476.88</del>	<u>793.95</u>	110.10
10 inch meter .....	<del>681.65</del>	<u>1,139.32</u>	158.28
12 inch meter .....	<del>944.92</del>	<u>1,583.38</u>	220.19
14 inch meter .....	<del>1,208.19</del>	<u>2,027.42</u>	282.15
16 inch meter .....	<del>1,529.96</del>	<u>2,570.15</u>	357.84
18 inch meter .....	<del>1,851.73</del>	<u>3,112.86</u>	433.53

The service charge ~~and seismic improvement program surcharge~~ 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.

~~The seismic improvement program surcharge is effective on each potable water bill through February 28, 2025. The seismic improvement program surcharge shall not be applied to nonpotable water service.~~

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



SCHEDULE A

RATE SCHEDULE FOR WATER SERVICE

A. ONE MONTH BILLING (Continued)

~~SECOND - A SEISMIC IMPROVEMENT PROGRAM SURCHARGE for each Single Family Residential or Multiple Family Residential account.~~

SEISMIC  
IMPROVEMENT PROGRAM  
SURCHARGE PER ACCOUNT

~~Single Family Residential Accounts \$ 1.37~~  
~~Multiple Family Residential Accounts 6.46~~

~~THIRD~~ SECOND - A WATER FLOW CHARGE FOR WATER DELIVERED ~~and A SEISMIC IMPROVEMENT PROGRAM SURCHARGE~~ based on one month meter readings for all water delivered per 100 cu. ft.:

	WATER FLOW CHARGE PER 100 CU. FT.		SEISMIC IMPROVEMENT PROGRAM SURCHARGE PER 100 CU. FT.
<u>Potable Water Service</u>			
Single Family Residential Accounts:			
For the first 172 gpd	<del>2.91</del> <u>2.95</u>		<del>\$--</del>
For all water used in excess of 172 gpd, up to 393 gpd	<del>3.60</del> <u>4.06</u>		--
For all water used in excess of 393 gpd	<del>4.42</del> <u>5.36</u>		--
Multiple Family Residential Accounts:			
For all water used	<del>3.68</del> <u>4.17</u>		--
All Other Water Use:			
For all water used	<del>3.84</del> <u>4.15</u>		<del>.15</del>

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

~~The seismic improvement program surcharge is effective on each potable water bill through February 28, 2025. The seismic improvement program surcharge shall not be applied to nonpotable water service.~~



SCHEDULE A

RATE SCHEDULE FOR WATER SERVICE

A. ONE MONTH BILLING (Continued)

WATER FLOW  
CHARGE PER  
100 CU. FT.

Nonpotable Water Service

For all water used	<del>\$3.17</del>	<u>\$3.23</u>
--------------------	-------------------	---------------

~~Nonpotable Water Use Incentive Rate~~

~~A customer for whom the District has determined, pursuant to Section 30 of the Water Service Regulations, that the provision of nonpotable water service is feasible and to whom the District has issued written notification that specifies a date by which the customer site must be ready to accept nonpotable water service, shall ready the site by the date specified or pay the Nonpotable Water Use Incentive Rate for all potable water used during the period of noncompliance. The Nonpotable Water Use Incentive Rate shall be charged at a rate 20 percent higher than the applicable potable water flow charge.~~



SCHEDULE A

RATE SCHEDULE FOR WATER SERVICE

**B. TWO MONTH BILLING**

Bills for all metered services shall consist of:

FIRST - A WATER SERVICE CHARGE ~~and A SEISMIC IMPROVEMENT PROGRAM SURCHARGE~~ based on the size of a standard meter:

<u>METER</u> SIZE	SERVICE CHARGE AMOUNT		SEISMIC IMPROVEMENT PROGRAM SURCHARGE
5/8 and 3/4 inch meters .....	<del>\$29.38</del>	<u>\$38.68</u>	\$2.74
1 inch meter .....	<del>47.26</del>	<u>58.40</u>	6.90
1-1/2 inch meter .....	<del>76.20</del>	<u>107.76</u>	13.78
2 inch meter .....	<del>111.32</del>	<u>166.96</u>	22.04
3 inch meter .....	<del>193.22</del>	<u>324.84</u>	41.30
4 inch meter .....	<del>310.22</del>	<u>502.48</u>	68.80
6 inch meter .....	<del>602.74</del>	<u>995.84</u>	137.64
8 inch meter .....	<del>953.76</del>	<u>1,587.90</u>	220.20
10 inch meter .....	<del>1,363.30</del>	<u>2,278.64</u>	316.56
12 inch meter .....	<del>1,889.84</del>	<u>3,166.76</u>	440.38
14 inch meter .....	<del>2,416.38</del>	<u>4,054.84</u>	564.30
16 inch meter .....	<del>3,059.92</del>	<u>5,140.30</u>	715.68
18 inch meter .....	<del>3,703.46</del>	<u>6,225.72</u>	867.06

The water service charge ~~and seismic improvement program surcharge~~ 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.

~~The seismic improvement program surcharge is effective on each potable water bill through February 28, 2025. The seismic improvement program surcharge shall not be applied to nonpotable water service.~~

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

~~SECOND -- A SEISMIC IMPROVEMENT PROGRAM SURCHARGE for each Single Family Residential or Multiple Family Residential account.~~





SCHEDULE A

RATE SCHEDULE FOR WATER SERVICE

**B. TWO MONTH BILLING (Continued)**

~~SEISMIC IMPROVEMENT  
PROGRAM SURCHARGE  
PER ACCOUNT~~

~~Single Family Residential Accounts ————— \$2.74~~

~~Multiple Family Residential Accounts ————— 12.92~~

~~THIRD~~ SECOND - A WATER FLOW CHARGE FOR WATER DELIVERED ~~and A~~  
~~SEISMIC IMPROVEMENT PROGRAM SURCHARGE~~ based on two month meter  
readings for all water delivered per 100 cu. ft.

		WATER FLOW CHARGE PER 100 CU. FT.	<del>SEISMIC IMPROVEMENT PROGRAM SURCHARGE PER 100 CU. FT.</del>
<u>Potable Water Service</u>			
Single Family Residential Accounts:			
For the first 172 gpd	\$2.91	<u>\$2.95</u>	<del>\$--</del>
For all water used in excess of 172 gpd, up to 393 gpd	3.60	<u>4.06</u>	<del>--</del>
For all water used in excess of 393 gpd	4.42	<u>5.36</u>	<del>--</del>
Multiple Family Residential Accounts:			
For all water used	3.68	<u>4.17</u>	<del>--</del>
All Other Water Use:			
For all water used	3.84	<u>4.15</u>	<del>.15</del>

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

~~The seismic improvement program surcharge is effective on each potable water bill through February 28, 2025. The seismic improvement program surcharge shall not be applied to nonpotable water service.~~



SCHEDULE A

RATE SCHEDULE FOR WATER SERVICE

**B. TWO MONTH BILLING (Continued)**

WATER FLOW  
CHARGE PER  
100 CU. FT.

Nonpotable Water Service

For all water used	<del>\$3.17</del>	<u>\$3.23</u>
--------------------	-------------------	---------------

Nonpotable Water Use Incentive Rate

~~A customer for whom the District has determined, pursuant to Section 30 of the Water Service Regulations, that the provision of nonpotable water service is feasible and to whom the District has issued written notification that specifies a date by which the customer site must be ready to accept nonpotable water service, shall ready the site by the date specified or pay the Nonpotable Water Use Incentive Rate for all potable water used during the period of noncompliance. The Nonpotable Water Use Incentive Rate shall be charged at a rate 20 percent higher than the applicable potable water flow charge.~~



SCHEDULE A

RATE SCHEDULE FOR WATER SERVICE

**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 \$1500; such account 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 \$1500, and the customer service manager recommends monthly billing based on an evaluation of credit and/or collection problems.

**D. PRIVATE FIRE SERVICES**

Effective July 1, 2005, the rates for Private Fire Services shall consist of:

FIRST - A MONTHLY SERVICE CHARGE and ~~A SEISMIC IMPROVEMENT PROGRAM SURCHARGE~~ based on the size of a standard meter:

<u>METER SIZE</u>	SERVICE CHARGE AMOUNT		SEISMIC IMPROVEMENT PROGRAM SURCHARGE
5/8 and 3/4 inch meters .....	<del>\$12.43</del>	<u>\$10.29</u>	\$1.37
1 inch meter .....	<del>17.84</del>	<u>14.13</u>	3.45
1-1/2 inch meter .....	<del>26.65</del>	<u>23.70</u>	6.89
2 inch meter .....	<del>37.34</del>	<u>35.20</u>	11.02
3 inch meter .....	<del>62.26</del>	<u>65.86</u>	20.65
4 inch meter .....	<del>97.86</del>	<u>100.34</u>	34.40
6 inch meter .....	<del>186.84</del>	<u>196.14</u>	68.82
8 inch meter .....	<del>293.65</del>	<u>311.09</u>	110.10
10 inch meter .....	<del>418.26</del>	<u>445.21</u>	158.28
12 inch meter .....	<del>578.46</del>	<u>617.63</u>	220.19
14 inch meter .....	<del>738.64</del>	<u>790.07</u>	282.15
16 inch meter .....	<del>934.44</del>	<u>1,000.83</u>	357.84
18 inch meter .....	<del>1,130.26</del>	<u>1,211.58</u>	433.53



SCHEDULE A

RATE SCHEDULE FOR WATER SERVICE

**D. PRIVATE FIRE SERVICES (Continued)**

~~The seismic improvement program surcharge is effective on each potable water bill through February 28, 2025. The seismic improvement program surcharge shall not be applied to nonpotable water service.~~

Effective July 1, 1997, when a meter larger than 4 inches is required for a single-family residential customer ~~in order~~ to maintain adequate water pressure, the maximum service charge amount ~~and seismic improvement surcharge~~ 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 100 cu. ft.:

There shall be no charge for water used through such services extinguishing accidental fires, but any water lost through leakage or used in violation of the District's Regulations shall be paid for at ~~double~~ the rate for general use, and may be subject to a penalty as may be established by the District.

**E. ELEVATION SURCHARGE**

Elevation Designator	AMOUNT PER 100 CU. FT.	
0 and 1	<del>\$0.00</del>	<u>\$0.00</u>
2 through 5	<del>0.55</del>	<u>0.60</u>
6 and greater	<del>1.12</del>	<u>1.24</u>

The Elevation surcharge is determined by the pressure zone in which the service connection is located. Pressure zones are identified by designations ~~which~~ that include an elevation designator.

**F. SUPPLEMENTAL SUPPLY SURCHARGE**

<u>Potable Water Service</u>	<u>Surcharge Amount</u>
<del>All potable water customer accounts</del>	<del>14% of the total water flow charge for water delivered for the billing period</del>

~~The supplemental supply surcharge is effective on each potable water bill after the District Board declares a need to use the Freeport Project to deliver supplemental supplies from outside of the District's normal watershed. The supplemental supply surcharge shall not be applied to nonpotable water service.~~

**Schedule C**

**Charges for Special Services**

**FY16**





**SCHEDULE C**

**CHARGES FOR SPECIAL SERVICES**

**A. METER TESTING**

Charges for meter testing will be in accordance with the following schedule:

SIZE OF METER	TESTING CHARGES
5/8", 3/4", and 1"	\$56.00
1-1/2" and 2"	\$44.00 On Site \$114.00 Pull/Test
3" and larger	\$268.00 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..... ~~\$33.00~~ \$43.00

The charge for restoring service after payment has been received during regular office hours is ..... ~~\$33.00~~ \$43.00

The charge for restoring service between 5 p.m. and 8 a.m. or on Saturday, Sunday or on a holiday is ..... \$50.00

A Service Trip charge of ~~\$33.00~~ \$43.00 shall be paid in the event of the following occurrences in the field: 1) payment collection; 2) payment extension; and 3) 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.)

An additional charge for removing the meter due to non-payment or unauthorized water use is..... ~~\$199.00~~ \$350.00

**C. RETURNED PAYMENT CHARGE**

A charge of \$27.00 shall be paid for each check or electronic transaction received as payment to the District that is returned unpaid from a financial institution.



**SCHEDULE C**

**CHARGES FOR SPECIAL SERVICES  
(continued)**

**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.

- |   |   |
|---|---|
| 1. Lien Filing Fee  | \$155 per Lien  |
| 2. Lien Removal Fee   | \$71 (in Alameda County) and \$64 (in Contra Costa County) for first lien removed                                     |
|   | \$23 (in Alameda County) and \$15 (in Contra Costa County) for each additional lien removed at the same time          |
| 3. Property Tax Transfer Fee<br>Unpaid Charges with Liens Recorded    | \$20 plus county auditor's fee (1.7% of collected amount for Alameda County; \$3 per parcel for Contra Costa County)  |
| 4. Property Tax Transfer Fee<br>Unpaid Charges without Liens Recorded | \$137 plus county auditor's fee (1.7% of collected amount for Alameda County; \$3 per parcel for Contra Costa County) |

**E. WASTEFUL USE CHARGE**

A charge of \$46.00 shall be paid to cover the monitoring costs incurred by the District if, after written notification, excessive 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"                           | \$ | 53.00  |
| 1"                                      |    | 53.00  |
| 1-1/2"                                  |    | 187.00 |
| 2"                                      |    | 187.00 |





**SCHEDULE C**

**CHARGES FOR SPECIAL SERVICES  
(continued)**

**F. FLOW-RESTRICTOR INSTALLATION  
(Continued)**

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 WASTEFUL USE AND FLOW-RESTRICTOR CHARGES**

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

1. Specify the date by which excessive 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. COMMERCIAL 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 commercial accounts at the customer's expense.

1. The charge for administering the Backflow Program Certification for commercial accounts is (annually) ..... \$59.00
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 ..... \$49.00/hr.
3. The charge for backflow testers to be placed on the District's list of certified testers..... \$100.00



**SCHEDULE C**

**CHARGES FOR SPECIAL SERVICES  
(continued)**

**J. COMMERCIAL 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 District cost pursuant to the termination and restoration of service ..... \$199.00

**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 District cost 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 ..... \$27.00

Requests to modify intervening water service agreement property account information must be submitted in writing and can be dropped off, mailed or faxed to an EBMUD business office.

The charge for each written request to modify the original intervening water service agreement by adding to or deleting property account information from the original agreement is..... \$27.00

**M. SERVICE TRIP CHARGE**

The charge for District staff to perform special services for customers is..... ~~\$33.00~~ \$43.00

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

- 1) payment collection in the field;
- 2) payment extension in the field;
- 3) 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) follow-up site visits to customers who have not complied after the District's notification to correct an obstructed meter condition.
- 5) field inspections conducted at the customer's request.



SCHEDULE C

CHARGES FOR SPECIAL SERVICES  
(continued)

**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 2 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 eleven months from the date of issuance, if continued use is desired.

The charge to establish water service  
for a hydrant meter is..... \$89.00

The charge to renew a hydrant meter account  
at the end of a 12-month period is ..... \$89.00

If a field stop is required to establish a new account, a \$167 site visit charge shall be paid in addition to the \$89 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..... ~~\$167.00~~215.00

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 H**

**Standard Participation Charge**

**FY16**





SCHEDULE H

STANDARD PARTICIPATION CHARGE  
(SPC)

A. The standard participation charge for each standard service installed shall be:

Standard Participation Charge

Meter Size	Gravity Zone*	Pumped Zone**	
5/8" and 3/4"	<del>\$7,960</del> <u>\$7,830</u>	<del>\$9,850</del> <u>\$9,780</u>	
1"	<del>19,900</del> <u>19,580</u>	<del>24,620</del> <u>24,440</u>	
1-1/2"	<del>39,800</del> <u>39,200</u>	<del>49,200</del> <u>48,900</u>	
2"	<del>63,700</del> <u>62,700</u>	<del>78,800</del> <u>78,200</u>	
3"	<del>127,400</del> <u>125,300</u>	<del>157,600</del> <u>156,400</u>	
4"	<del>199,000</del> <u>195,800</u>	<del>246,200</del> <u>244,400</u>	

The standard participation charge for each meter larger than four inches shall be determined on a case-by-case basis by the District, considering such factors as the projected demand which the service would impose on the District system, the maximum intermittent flow rate of the meter compared to a 5/8" meter, and whether the service is solely domestic or is combined with a fire service. In no event shall the standard participation charge for a meter larger than four inches be less than ~~\$199,000~~ \$195,800 in gravity zones or ~~\$246,200~~ \$244,400 in pumped zones.

\* This charge covers general water main oversizing and future water supply.

\*\* This charge covers major facilities capacity, water main oversizing and future water supply.





**Schedule J**

**System Capacity Charge**

**FY16**





**SCHEDULE J  
SYSTEM CAPACITY CHARGE  
(SCC)**

**A. SCC FOR STANDARD SERVICE\***

1. Non-Residential Service Connections (dollars per connection)

METER SIZE (INCHES)	REGION					
	1	2	3	1	2	3
5/8	<del>\$23,000</del>	<u>\$23,380</u>	<del>\$41,360</del>	<u>\$42,220</u>	<del>\$38,370</del>	<u>\$39,040</u>
3/4	<del>34,500</del>	<u>35,070</u>	<del>62,040</del>	<u>63,330</u>	<del>57,560</del>	<u>58,560</u>
1	<del>57,620</del>	<u>58,570</u>	<del>103,610</del>	<u>105,760</u>	<del>96,130</del>	<u>97,800</u>
1-1/2	<del>115,240</del>	<u>117,140</u>	<del>207,220</del>	<u>211,520</u>	<del>192,260</del>	<u>195,600</u>
2	<del>184,380</del>	<u>187,420</u>	<del>331,550</del>	<u>338,430</u>	<del>307,620</del>	<u>312,960</u>

For service connections with larger meters see Sec. 3.

2. Single Family Service Connections (SCC) \*\* (dollars per connection)

METER SIZE (INCHES)	REGION***					
	1	2	3	1	2	3
3/4	<del>\$16,100</del>	<u>\$16,370</u>	<del>\$27,830</del>	<u>\$28,410</u>	<del>\$35,610</del>	<u>\$36,230</u>
1	<del>26,890</del>	<u>27,340</u>	<del>46,480</del>	<u>47,440</u>	<del>59,470</del>	<u>60,500</u>
1-1/2	<del>53,780</del>	<u>54,680</u>	<del>92,960</del>	<u>94,880</u>	<del>118,940</del>	<u>121,000</u>

For service connections with larger meters see Sec. 3 below.

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

\*\*The SCC charged to the applicant will be based on the water meter size required to meet the indoor needs (excluding private fire service needs) and outdoor watering needs of the premises as determined solely by the District based on the plumbing code, the District's review, and water industry standards. The meter(s) that is installed may be larger than the meter size charged in the 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 Service Connections).

***REGION	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)



**SCHEDULE J**

**SYSTEM CAPACITY CHARGE  
(SCC)  
(Continued)**

**3. SCC for Larger Meters**

The SCC for non-residential service connections with meters larger than 2 inches and single-family residential 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	\$1,926	\$1,991
Future Water Supply*	1,904	1,870

The unit charges for the components that are specific to a SCC Region are:

Region	Unit Charge (\$/100gpd)		
	Post-2000 Component	Regional Facilities Buy-In Component	
1	n/a	\$1,921	\$1,985
2	n/a	3,900	4,031
3	n/a	2,309	2,386
3C	\$6,200	1,733	1,791
3D	6,200	1,733	1,791

In no instance will the SCC for a non-residential meter larger than 2 inches or a single family residential meter larger than 1-1/2 inches be less than the respective equivalent 2 inch or 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, that a meter larger than 2 inches is appropriate, the SCC calculated pursuant to this subdivision shall apply irrespective of the arrangement of water metering or meter size at the premises.

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



SCHEDULE J

SYSTEM CAPACITY CHARGE  
(SCC)  
(Continued)

4. SCC for Standard Service to Multi-Family Premises

The System Capacity Charge for new 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, provided that each separate dwelling unit of a multi-family premises shall be separately metered.

Multi-Family Premises  
Dollars per Dwelling Unit (DU)

	REGION*					
	1	2	3			
For each Dwelling Unit	\$9,370	\$9,530	\$12,990	\$13,260	\$12,220	\$12,430

\*Same regions as described in A.2.

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 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.



SCHEDULE J

SYSTEM CAPACITY CHARGE  
(SCC)  
(Continued)

**B. SEPARATE SCC FOR STANDARD SERVICE FOR ADDITIONAL REGIONS\***

The System Capacity Charge for new 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**		
	3C***	3-D	
5/8	n/a	<del>\$91,170</del>	<u>\$93,850</u>
3/4	n/a	<del>136,760</del>	<u>140,780</u>
1	n/a	<del>228,390</del>	<u>235,100</u>
1-1/2	n/a	<del>456,780</del>	<u>470,200</u>
2	n/a	<del>730,850</del>	<u>752,320</u>

For service connections with larger meters see Sec. 3 below.

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

METER SIZE (INCHES)	ADDITIONAL REGION**			
	3C***	3-D		
3/4	<del>\$80,890</del>	<u>\$83,830</u>	<del>\$91,170</del>	<u>\$93,850</u>
1	<del>135,090</del>	<u>140,000</u>	<del>152,250</del>	<u>156,730</u>
1-1/2	<del>270,180</del>	<u>280,000</u>	<del>304,500</del>	<u>313,460</u>

For service connections with larger meters see Sec. 3 below.

\* This charge covers the cost of System-wide Facilities Buy-In, Regional Facilities Buy-In and Future Water Supply. The Additional Regions are low-density, residential in nature. It is not anticipated that meters larger than 3/4 -inch (excluding fire flow requirements) will be installed in these Regions.

\*\* ADDITIONAL REGION                      GENERAL DESCRIPTION

3-C	South of Norris Canyon Road (pumped zones)
3-D	South of Norris Canyon Road outside Wiedemann Ranch (pumped zone)

\*\*\* The Future Water Supply component of the SCC for Region 3C is set by the July 20, 1993 Wiedemann Agreement, indexed to the U.S. City Average of the Consumer Price Index and used by EBMUD to fund conservation programs. The total Future Water Supply component of the SCC for the common areas in Region 3C shall be paid as a condition for the issuance of the first water meter for the common area. The SCC for Non-Residential services (e.g., common area irrigation) shall be uniquely calculated in accordance with the Wiedemann Agreement.



SCHEDULE J

SYSTEM CAPACITY CHARGE  
(SCC)

(Continued)

**B. SEPARATE SCC FOR STANDARD SERVICE FOR ADDITIONAL REGIONS\* (Continued)**

3. SCC for Larger Meters

The SCC for non-residential service connections with meters larger than 2 inches and single-family residential 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 System Capacity Charge for new 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, provided that each separate dwelling unit of a multi-family premises shall be separately metered.

Multi-Family Premises  
Dollars per Dwelling Unit

	ADDITIONAL REGIONS*			
	3-C		3-D	
For each Dwelling Unit	<del>\$31,210</del>	<u>\$32,340</u>	<del>\$32,000</del>	<u>\$32,940</u>

\*Same regions as described in B.1.



SCHEDULE J

SYSTEM CAPACITY CHARGE  
(SCC)  
(Continued)

**B. SEPARATE SCC FOR STANDARD SERVICE FOR ADDITIONAL REGIONS\* (Continued)**

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 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.

**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.

\*Same regions as described in B.1.





SCHEDULE J

SYSTEM CAPACITY CHARGE  
(SCC)  
(Continued)

**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 the 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 premise where an SCC was paid to initiate the water service, a credit will be given toward the new SCC based on the meter size or water use information that was used to calculate the initial SCC payment; (see Section A – SCC for Standard Service). ~~but in~~ no instance will the credit be less than that of the minimum meter size for the customer classification. For instances where the existing or prior services were installed prior to 1983 and 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 minimum meter size for the customer classification. No SCC credit will be given unless prior service to the premise is verified. ~~If there is no existing service, prior service to the premise must be verified by the applicant.~~ 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 Service Connections, the SCC credit can not be applied to the separate irrigation meter without a SCC credit on the residential meter.

For 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.



**SCHEDULE J**

**SYSTEM CAPACITY CHARGE  
(SCC)  
(Continued)**

**I. REQUIRED SEPARATE IRRIGATION METER FOR SINGLE FAMILY SERVICE CONNECTIONS**

If an irrigation meter is required for a single-family connection 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 SCC shall be applicable based on the hydraulic capacity needed to serve the irrigation and indoor needs. The hydraulic capacity of the installed meter or meters will be equal to or exceed the hydraulic capacity of the meter size that was charged in the SCC fee. The installation charges shown in Schedule D and all other rates and charges pertaining to the service(s) based on the actual size of the meter(s) that are installed shall apply.

**J. NONPOTABLE WATER SERVICE**

1. Nonpotable Water Service Connections (dollars per connection)

METER SIZE (INCHES)	REGION					
	1	2	3	4	5	6
5/8	<del>\$7,620</del>	<u>\$7,480</u>	<del>\$10,190</del>	<u>\$10,000</u>	<del>\$11,900</del>	<u>\$11,690</u>
3/4	<del>11,420</del>	<u>11,220</u>	<del>15,280</del>	<u>15,010</u>	<del>17,850</del>	<u>17,530</u>
1	<del>19,080</del>	<u>18,740</u>	<del>25,520</del>	<u>25,060</u>	<del>29,810</del>	<u>29,280</u>
1-1/2	<del>38,160</del>	<u>37,470</u>	<del>51,030</del>	<u>50,120</u>	<del>59,620</del>	<u>58,550</u>
2	<del>61,050</del>	<u>59,960</u>	<del>81,650</del>	<u>80,200</u>	<del>95,390</del>	<u>93,690</u>

All SCC for nonpotable water service connections with meters larger than 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 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.



SCHEDULE J

SYSTEM CAPACITY CHARGE  
(SCC)  
(Continued)

**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 provides 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 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**

**FY16**





SCHEDULE L

DROUGHT SURCHARGE RATE SCHEDULE FOR WATER SERVICE

The following amounts will be charged in addition to rates shown in Schedule A for all water delivered during the declared drought stage for billing cycles that are billed on or after July 1, 2015.

**A TEMPORARY SURCHARGE FOR POTABLE WATER DELIVERED based on one month or two month meter readings for all water delivered per 100 cu. ft.:**

MONTHLY DROUGHT SURCHARGES WATER FLOW CHARGE PER 100 CU. FT.				
	Maximum Applicable Drought Surcharge in 4 Stages			
Single-Family Residential Accounts	1	2	3	4
For the first 172 gpd	\$0.00	\$0.23	\$0.59	\$0.73
For all water used in excess of 172 gpd, up to 393 gpd	0.00	0.31	0.79	0.99
For all water used in excess of 393 gpd	0.00	0.40	1.03	1.30
Multi-Family Residential	0.00	0.32	0.81	1.02
All Other Accounts	0.00	0.32	0.81	1.01





**Schedule N**

**Water Demand Mitigation Fees**

**FY16**





**SCHEDULE N**

**WATER DEMAND MITIGATION FEES**

The Water Demand Mitigation Fee funds District conservation programs that are intended to achieve water savings that offset water demand from development within the territory or development where the fees are collected. The Water Demand Mitigation Fee is payable at the time application for service is made or prior to release of the distribution system pipelines and related appurtenances when the installation of water main extensions are required.

**A. WATER DEMAND MITIGATION FEES FOR "THE MEADOWS" TERRITORY**

For service connections within "The Meadows" territory<sup>1</sup> payment of a Water Demand Mitigation Fee shall be required in addition to all other applicable fees and charges, including the applicable System Capacity Charge (SCC).

1. Non-Residential Service Connections (dollars per connection)

METER SIZE (INCHES)	WATER DEMAND MITIGATION FEE FOR STANDARD SERVICE IN THE MEADOWS TERRITORY	
5/8	<del>\$12,970</del>	<u>\$12,740</u>
3/4	<del>18,680</del>	<u>18,340</u>
1	<del>29,060</del>	<u>28,540</u>
1-1/2	<del>56,030</del>	<u>55,030</u>
2	<del>103,770</del>	<u>101,920</u>

2. Single Family Service Connections (dollars per connection)

METER SIZE (INCHES)	WATER DEMAND MITIGATION FEE FOR STANDARD SERVICE IN THE MEADOWS TERRITORY	
5/8	<del>\$12,700</del>	<u>\$12,470</u>
3/4	<del>18,680</del>	<u>18,340</u>
1	<del>29,060</del>	<u>28,540</u>
1-1/2	<del>56,030</del>	<u>55,030</u>

<sup>1</sup> As defined in Contra Costa Local Agency Formation Commission Resolution No. 96-33, adopted August 13, 1997.



**SCHEDULE N**

**WATER DEMAND MITIGATION FEES  
(Continued)**

3. The Water Demand Mitigation Fee for non-residential service connections with meters larger than 2 inches and single family residential service connections with meters larger than 1-1/2 inches shall be determined on a case-by-case basis by the District based on water use information furnished by the applicant and applying the applicable SCC Future Water Supply component and multiplier (1.09) established by the Board of Directors for smaller meters.
4. For phased developments within The Meadows territory, the Water Demand Mitigation Fee is payable for all connections within the phase prior to release of the distribution system pipelines and related appurtenances.

**B. WATER DEMAND MITIGATION FEES FOR "THE WENDT RANCH" TERRITORY**

For service connections within "The Wendt Ranch" territory<sup>1</sup> payment of a Water Demand Mitigation Fee shall be required in addition to all other applicable fees and charges, including the applicable System Capacity Charge (SCC).

1. Non-Residential Service Connections (dollars per connection)

METER SIZE (INCHES)	WATER DEMAND MITIGATION FEE FOR STANDARD SERVICE IN THE WENDT RANCH TERRITORY	
5/8	\$16,660	\$16,360
3/4	23,990	23,560
1	37,320	36,650
1-1/2	71,970	70,690
2	133,280	130,900

2. Single Family Service Connections (dollars per connection)

METER SIZE (INCHES)	WATER DEMAND MITIGATION FEE FOR STANDARD SERVICE IN THE WENDT RANCH TERRITORY	
5/8	\$16,310	\$16,020
3/4	23,990	23,560
1	37,320	36,650
1-1/2	71,970	70,690

<sup>1</sup> As defined in Contra Costa Local Agency Formation Commission Resolution 97-5, adopted March 12, 1997.



SCHEDULE N

WATER DEMAND MITIGATION FEES  
(Continued)

3. The Water Demand Mitigation Fee for non-residential service connections with meters larger than 2 inches and single family residential service connections with meters larger than 1-1/2 inches shall be determined on a case-by-case basis by the District based on water use information furnished by the applicant and applying the applicable SCC Future Water Supply component and multiplier (1.40) established by the Board of Directors for smaller meters.
4. For phased developments within The Wendt Ranch territory, the Water Demand Mitigation Fee is payable for all connections within the phase prior to release of the distribution system pipelines and related appurtenances.

**C. WATER USE OFFSET FEES FOR THE WIEDEMANN RANCH DEVELOPMENT<sup>1</sup>**

For service connections within the Wiedemann Ranch Development, payment of a Water Use Offset Fee shall be required in addition to all other applicable fees and charges, including the System Capacity Charge (SCC).<sup>2</sup>

1. Common Area Offset Fee

The total Water Use Offset Fee for common areas in the Wiedemann Ranch Development is ~~\$66,916~~ \$66,856, payable as a condition of issuance of the first meter for the common area.<sup>3</sup>

2. Single Family Service Connections

The Water Use Offset Fee for each residential lot in the Wiedemann Ranch Development is ~~\$6,679~~ \$6,673, which amount shall be indexed using the same index as for the common area offset fee.

<sup>1</sup>The Wiedemann Ranch Development, SCC Region 3A, a 439 acre development in Contra Costa County, is described with particularity in Exhibit A to the July 20, 1993 Agreement Between EBMUD and HCV & Associates, Ltd., Wiedemann Ranch, Inc. and Sue Christensen ("Wiedemann Agreement").

<sup>2</sup>The Wiedemann Agreement specifies the amount and other terms related to the Future Water Supply Component of the SCC for the Wiedemann Ranch Development.

<sup>3</sup>The Water Use Offset Fee shall be indexed to the U.S. City Average of the Consumer Price Index issued by the U.S. Department of Labor for each calendar year or portion thereof from the July 20, 1993 date of the Wiedemann Agreement to the date of payment of the offset fee.



SCHEDULE N

WATER DEMAND MITIGATION FEES  
(Continued)

**D. ADDITIONAL WATER USE OFFSET FEES FOR THE WIEDEMANN RANCH  
DEVELOPMENT<sup>1</sup>**

For water service within Wiedemann Ranch Development, payment of Additional Water Use Offset Fees shall be required in the event the annual water budget<sup>4</sup> is exceeded.

1. The Additional Water Use Offset Fee shall be determined by the number of gallons of water used during the average of the two consecutive years in excess of the annual water budget times the per gallon fee of ~~\$14.42~~\$14.40.<sup>5</sup>

---

<sup>1</sup>The Wiedemann Ranch Development, SCC Region 3A, a 439 acre development in Contra Costa County, is described with particularity in Exhibit A to the July 20, 1993 Agreement Between EBMUD and HCV & Associates, Ltd., Wiedemann Ranch, Inc. and Sue Christensen ("Wiedemann Agreement").

<sup>4</sup>The Wiedemann Agreement specifies the formula for calculating the annual water budget and the specific methodology for calculating and collecting the additional water use offset fee.

<sup>5</sup>The Wiedemann Agreement specifies the terms related to the Additional Water Use Offset Fee. The Additional Water Use Offset Fee shall be indexed to the U.S. City Average of the Consumer Price Index issued by the U.S. Department of Labor for each calendar year or portion thereof from the July 20, 1993 date of the Wiedemann Agreement to the date of payment of the additional water use offset fee.



**SCHEDULE N**

**WATER DEMAND MITIGATION FEES  
(Continued)**

**E. WATER DEMAND MITIGATION FEES FOR CAMINO TASSAJARA INTEGRATED PROJECT<sup>1</sup>**

For service connections within the Camino Tassajara Integrated Project<sup>2</sup>, payment of a Water Demand Mitigation Fee (WDMF) shall be required in addition to all other applicable fees and charges including the applicable System Capacity Charge (SCC). The Board of Directors adopted Section 3D to the Water Service Regulations in January 2003 to codify the WDMF and other conservation requirements imposed on the project territory by the County and Local Agency Formation Commission.

**1. Non-Residential Service Connections (dollars per connection)**

METER SIZE (INCHES)	WATER DEMAND MITIGATION FEE FOR STANDARD SERVICE IN THE CAMINO TASSAJARA INTEGRATED PROJECT	
5/8	\$16,060	\$15,770
3/4	23,140	22,730
1	35,980	35,340
1-1/2	69,380	68,150
2	128,470	126,180

**2. Single Family Service Connections (dollars per connection)**

METER SIZE (INCHES)	WATER DEMAND MITIGATION FEE FOR STANDARD SERVICE IN THE CAMINO TASSAJARA INTEGRATED PROJECT	
5/8	\$11,030	\$10,840
3/4	16,210	15,920
1	25,250	24,800
1-1/2	48,670	47,800

<sup>1</sup>The Water Demand Mitigation Fee shall be indexed to the unit charge of the Future Water Supply component of the EBMUD System Capacity Charge.

<sup>2</sup>As generally described in the October 9, 2002 Miscellaneous Work Agreement between the District, Shapell Industries, Ponderosa Homes II, and Braddock and Logan Group II.



SCHEDULE N

WATER DEMAND MITIGATION FEES  
(Continued)

- 3. The WDMF for non-residential service connections with meters larger than 2 inches and single family residential service connections with meters larger than 1-1/2 inches shall be determined on a case-by-case basis by the District based on water use information furnished by the applicant and applying the applicable SCC Future Water Supply component and multiplier (1.61) established by the Board of Directors for smaller meters.

The WDMF for new water service at multi-family premises shall be as listed below. For purposes of this Schedule N, "multi-family premises" shall mean premises with two or more attached or separate residential dwelling units, rental or owner-occupied, which is determined by the District to be a single premises for receiving water service, provided that each separate residential structure of a multi-family premises shall be separately metered.

Multi-Family Premises – Dollars Per Dwelling Unit (DU)

Each of the first 10 DU in a single structure	<del>\$6,620</del>	<u>\$6,500</u>
Each additional DU in same structure	<del>5,290</del>	<u>5,200</u>

The above WDMF shall apply regardless of the arrangement of water metering or meter size at the premises; however, the District may limit the size and number of service connections to a combined capacity appropriate to the anticipated water use at the premises.

No additional WDMF shall be applicable for separate meters installed to provide irrigation for landscaping on the premises in the immediate area contiguous to the dwelling unit structures, provided such landscaped area is to be used exclusively by the residents. All other rates and charges shall be based on actual number and size of meters and does not apply to the requirements listed below.

A WDMF shall be applicable for separate meters installed to serve other water uses in the vicinity of the multi-family premises, such as irrigation of open space areas, parks, roadway medians, recreational facilities, and areas designated for public use. The WDMF shall be based on meter size as provided under E.1 above. If these other water uses are included in the water service connection to the multi-family premises, the District shall, for purposes of determining the applicable WDMF, determine the equivalent meter size for these uses based on plumbing code and water industry standards, as if there were a separate service connection.





SCHEDULE N

WATER DEMAND MITIGATION FEES  
(Continued)

4. The WDMF is payable for all connections within phased developments prior to release for construction, the distribution system pipelines and related appurtenances.
  
5. Water use in excess of 120 percent of the annual water budget<sup>3</sup> shall be subject to an Additional WDMF (on a per-occurrence basis). The Additional WDMF shall be determined by multiplying the amount of water used in excess of 100 percent of the annual water budget times the per gallon fee of ~~\$1.02~~ \$1.00 per gpd.

---

<sup>3</sup>The water budget shall be established pursuant to the October 9, 2002 Miscellaneous Work Agreement referenced in Footnote 2.



SCHEDULE N

WATER DEMAND MITIGATION FEES  
(Continued)

**F. WATER DEMAND MITIGATION FEES FOR GALE RANCH PHASE 2,  
SUBDIVISION 9134<sup>1</sup>**

For service connections within Gale Ranch Phase 2, Subdivision 9134, payment of a Water Demand Mitigation Fee (WDMF) shall be required in addition to all other applicable fees and charges including the applicable System Capacity Charge (SCC).

1. Non-Residential Service Connections (dollars per connection)

METER SIZE (INCHES)	WATER DEMAND MITIGATION FEE FOR STANDARD SERVICE IN THE GALE RANCH PHASE 2 SUBDIVISION 9134	
5/8	\$15,390	<u>\$15,110</u>
3/4	22,160	<u>21,760</u>
1	34,450	<u>33,840</u>
1-1/2	66,480	<u>65,290</u>
2	123,090	<u>120,890</u>

2. Single Family Service Connections (dollars per connection)

METER SIZE (INCHES)	WATER DEMAND MITIGATION FEE FOR STANDARD SERVICE IN THE GALE RANCH PHASE 2 SUBDIVISION 9134	
5/8 <sup>2</sup>	\$10,560	<u>\$10,370</u>
3/4	15,540	<u>15,260</u>
1	24,150	<u>23,720</u>
1-1/2	46,590	<u>45,760</u>

<sup>1</sup>The Water Demand Mitigation Fee shall be indexed to the unit charge of the Future Water Supply component of the EBMUD System Capacity Charge.

<sup>2</sup>5/8" fee based on 32,594 gpd demand LUDS demand minus 10,884 gpd middle school demand credit divided by 63 residential units resulting in 345 gpd/residential unit.



SCHEDULE N

WATER DEMAND MITIGATION FEES  
(Continued)

3. The WDMF for non-residential service connections with meters larger than 2 inches and single family residential service connections with meters larger than 1-1/2 inches shall be determined on a case-by-case basis by the District based on water use information furnished by the applicant and applying the applicable SCC Future Water Supply component.

No additional WDMF shall be applicable for separate meters installed to provide irrigation for landscaping on the premises in the immediate area contiguous to the dwelling unit structures, provided such landscaped area is to be used exclusively by the residents. All other rates and charges shall be based on actual number and size of meters and does not apply to the requirements listed below.

A WDMF shall be applicable for separate meters installed to serve other water uses in the vicinity of the multi-family premises, such as irrigation of open space areas, parks, roadway medians, recreational facilities, and areas designated for public use. The WDMF shall be based on meter size as provided under F.1 above. If these other water uses are included in the water service connection to the multi-family premises, the District shall, for purposes of determining the applicable WDMF, determine the equivalent meter size for these uses based on plumbing code and water industry standards, as if there were a separate service connection.



**Section 1**

**Explanation of Terms Used in These Regulations**

**FY16**





SECTION 1

EXPLANATION OF TERMS USED IN THESE REGULATIONS

COMMERCIAL/INDUSTRIAL UNIT shall mean an attached or detached rental or owner-occupied unit used directly or indirectly in connection with any non-residential, business undertaking, as solely determined by the District, which provides complete independent facilities for one or more persons, including permanent provisions for sanitation, and separate ingress/egress.

DEDICATED IRRIGATION METER shall mean the entire meter assembly dedicated for outdoor landscape water use, which may include appurtenances or devices owned and installed by the District or applicant, as solely determined by the District, in connection with new service installations as provided in Sections 3 and 31 of these regulations.

DISTRICT shall refer to the East Bay Municipal Utility District unless otherwise specified.

DWELLING UNIT shall mean an attached or detached residential unit of a multi-family premise, as solely determined by the District, which provides complete independent living facilities including permanent provisions for living, sleeping, cooking, sanitation, and separate ingress/egress for one or more persons.

ELEVATION SURCHARGE shall mean that charge applied to customers' accounts where meters are served by pressure zones with an elevation designator of two (2) or more in the District's pressure zone designations. The charge shall be computed in accordance with Schedule A, Rate Schedule for Water Service, Section D. The Elevation Surcharge is a means of allocating the additional costs incurred for pumping and storing water at higher elevations

EXPANDED SERVICE shall refer to any upgrade, change or modification to existing standard service that increases the size of the meter.

FRONT FOOT CHARGE shall mean the charge applicable to ~~the~~ premises when a main is or has been brought to the principal frontage of the premises to make service available to the premises. This charge shall be computed in accordance with the provisions of Section 4, and shall generally be the proration of the cost of extending the main based on the width of the premises fronting on and entitled to service from the main extension. The front foot charge shall not apply to premises already entitled to service, according to District requirements, on or before the date the main extension is installed. Where a front foot charge is applicable, it must be paid before a service will be installed.

IRRIGATED LANDSCAPING shall mean the total aggregated area or footprint of irrigated landscape for the entire property, which does not include open space or the non-irrigated area.

LIMITED SERVICE shall mean a water service connection provided under a written agreement for limited service with special conditions, when standard service is not reasonably available.



## SECTION 1

### EXPLANATION OF TERMS USED IN THESE REGULATIONS (continued)

MAJOR FACILITIES shall mean storage reservoirs, pumping plants, transmission mains, filter plants, and appurtenances, including necessary properties and rights-of-way.

METER shall mean the entire meter assembly, which may include appurtenances or devices owned and installed by the District in connection with ~~the~~a service connection.

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-OCCUPANCY COMMERCIAL/INDUSTRIAL PREMISES shall mean premises with two or more attached or separate commercial or industrial occupancy units, rental or owner-occupied, which is determined by the District to be a single premises for receiving water service.

PREMISES shall mean a parcel of real estate, including any improvements thereon, which is determined by the District to be a single unit for purposes of receiving, using and paying for service. In making this determination, the District shall take into consideration such factors as whether the unit could reasonably be subdivided, whether the unit is being used for a single enterprise, and whether the unit is divided by a public or a private street, but in any case the District's determination shall be final.

PRESSURE ZONE shall mean a portion of the water distribution system in which all premises are served through meters within a specific range of elevations and supplied by the same major facilities through an interconnected pipeline network. The upper limit of the pressure zone is 100 feet below the overflow elevation of the reservoir providing service, and the lower limit is determined by the upper limit of the next lower pressure zone or an elevation approximately 300 feet below the overflow elevation of the reservoir. Gravity Zones are those pressure zones which receive their water supply by gravity flow from the treatment plants and are identified by the prefixes "G" and "H" in the District's pressure zone designations. Pumped Zones are those pressure zones which receive their water supply from the treatment plants by pumping and are identified by the prefixes "A" through "F" in the District's pressure zone designations.

PRINCIPAL FRONTAGE shall mean that part of the perimeter of the major portion of the premises where the principal use of the property is located, which fronts on a public street or private road or driveway from which the premises generally receives access, public services and utilities, as determined by the District. Principal use does not include easements, rights-of-way, or a relatively narrow portion of a premises used for access or other purpose.

REASONABLY AVAILABLE SERVICE shall mean that a service connection installed at the principal frontage of the premises will provide adequate pressure and flow for normal operation of plumbing fixtures, water using appliances, requirements set by the responsible fire protection





SECTION 1

EXPLANATION OF TERMS USED IN THESE REGULATIONS  
(continued)

agency, and irrigation. In determining reasonably available service, the District will consider, relative to the service location and the applicable pressure zone, the elevation of the existing or proposed building on the premises, the distance of the building site from the meter location and any pressure and flow requirement for fire protection.

RETROFITS shall mean the conversion or modification of existing water using fixtures, appliances, equipment and landscaping such that they are suitable for water service.

SEPARATE STRUCTURE shall mean a distinct building with separate walls, as solely determined by the District, without regard to common pathways, bridges, roof overhangs, parking garages, foundations, and similar above-or-below-ground project features.

SERVICE shall mean the furnishing of water (potable or nonpotable) to a customer through a service connection.

SERVICE CONNECTION shall mean the necessary piping and equipment from the main to and including the meter or battery of meters. Reference to a service connection by size shall mean the size of the meter.

STANDARD PARTICIPATION CHARGE (SPC) shall mean the charge paid as a contribution towards the cost of future general oversizing of water mains and to provide major facilities capacity for service to new customers. This charge is paid in lieu of the System Capacity Charge by certain applicants who applied for service on or before June 28, 1983. The SPC also includes a component for the allocated cost of providing a future water supply to meet the long-term increase in water demand in the District.

STANDARD SERVICE shall mean a service other than a private fire service, installed within the District service area, adjacent to the principal frontage of the premises to be served, which service is for immediate use to supply a function directly related to such premises.

SYSTEM CAPACITY CHARGE (SCC) shall mean the charge required of all applicants for water service to premises where installation of a service connection is required, including enlargement of service, as solely determined by the District. The charge to be paid depends on the regional location and the applicable meter size, the estimated annual average water use as determined by the District for large meters not covered in Schedule J based on water use information furnished by the applicant, or number of multi-family dwelling units and/or commercial/industrial units. The charge is payment for the costs allocated to providing capacity for water service to applicants within each region, including components for major facilities in the District's distribution system master plan, major facilities constructed prior to the master plan, and water main oversizing. The SCC also includes a component for the allocated cost of providing a



SECTION 1

EXPLANATION OF TERMS USED IN THESE REGULATIONS  
(continued)

future water supply to meet the long-term increase in water demand in the District. The charge shall be computed in accordance with Schedule J of the Rates and Charges.

WATER EFFICIENCY REQUIREMENTS shall mean the water conservation devices, technologies, and practices as required by the District for service for each premise in accordance with Section 31 of these Regulations. Each customer shall be required to provide evidence through project design drawings or construction documents that water efficiency requirements have been met at time of application for service.

**Section 2**

**Applying for Service**

**FY16**





## SECTION 2

### APPLYING FOR SERVICE

If a service connection is already serving ~~the~~a premises, applicants applying for service shall~~should~~ contact the District's customer service center. If a new service connection is required, applications for service ~~are taken at~~shall be submitted to the New Business Office of the District. The District's requirements for the type of service desired ~~must~~shall be met before an application will be approved (see Section 31 – Water Efficiency Requirements).

If standard service (see Section 3) is not reasonably available, or if the premises ~~are~~is outside of the District's boundaries, or if unusual conditions exist, the applicant will be advised ~~of~~ the terms and conditions ~~which~~that must be met before an application for service may be accepted. In determining whether the portion of an applicant's premises lying directly along a main constitutes principal frontage, the District's decision shall be final.

Effective January 1, 2009, each new ~~multi-family residential or multi-occupancy dwelling unit or~~ commercial/industrial unit in a new structure of three stories in height or less shall be individually metered when the District has determined it is feasible to do so. The determination of feasibility is made by the District to meter each unit individually when reasonably possible to do so; ~~and~~ the ~~is~~ determination by the District is final. Additional requirements for metering are contained in Sections 3 of these regulations.

Continuance of service is dependent on compliance with the District's regulations governing service, and on conditions at the location of the service remaining unchanged to the extent that they do not conflict with the District's requirements for obtaining service. Where a change in conditions at the location of the service makes a customer ineligible for continued service, the customer concerned shall be responsible for promptly notifying the District in writing of the change.

Applicants for service shall pay all ~~the~~ applicable charges in full and in advance as provided in the Schedule of Rates and Charges, including the following:

- Account Establishment Charge
- Service Installation Charges
- Water Service Estimate Fee (if applicable)
- Water Main Extension Charges (if required)
- System Capacity Charge
- Charges for Annexation (if applicable)
- Wastewater Capacity Fee (if applicable)
- Any outstanding balance owed to the District (if applicable)

Applicants shall provide all information determined by the District to be necessary to establish conditions at the location of service. This information ~~can~~may include, but is not be limited to:

- Property descriptions
- Improvement plans, including certification of subgrade elevation
- Information regarding soils and known contaminated soil conditions
- Environmental documentation



SECTION 2

APPLYING FOR SERVICE  
(continued)

- Fire flow form signed by responsible fire agency
- Topographical map(s)
- Development and site plans with hydrant locations identified and signed by the responsible fire department (if applicable)
- Hydraulic calculations for proposed fire sprinkler system (if applicable)

AMORTIZATION OF CONNECTION AND INSTALLATION FEES

Applicants for service that satisfy the criteria set forth below may make written application to the District to amortize the payment of water service installation charges (Schedules D and E), water main extension charges (Schedule G), water system capacity charges (Schedule J) and wastewater capacity fees, pursuant to the following terms and conditions:

- The amount amortized shall be at least \$5,000 but not more than \$150,000.
- Applicant shall pay in advance a minimum of 25% of the estimated cost to provide the new service connection.
- Applicants shall enter into an agreement with the District which provides that:
  - a. amortized charges that shall be paid in equal installments over a maximum period of 24 months;
  - b. interest shall be applied to the balance due at a rate set by the Director of Finance;
  - c. water service may be terminated for failure to pay any installment when due;
  - d. repayment of the amortized charges shall be secured by real property owned by applicant and the District shall have the right of foreclosure by a power of sale;
  - e. applicant shall pay all escrow and title search costs incurred.
- Applicants shall execute deeds of trust which shall constitute a lien upon real property interests described therein, which property shall be situated in California and shall be sufficient to secure repayment of the amortized charges.

Applicant Criteria

I. Applicants providing job training in District job skills.

In order to make application to amortized d charges pursuant to this section, the applicant must:

- a. make written application to the District for water service;
- b. have tax-exempt status under Internal Revenue Code section 501(c)3;
- c. provide job training, including job skills utilized in District job classifications, to unemployed individuals; and
- d. own and occupy the property for which water service application is made.



SECTION 2

APPLYING FOR SERVICE  
(continued)

II. Applicants providing low income housing incorporating water conserving devices and landscaping.

~~In order to make application to~~ apply for amortized charges pursuant to this section, the applicant must:

- be organized solely for the purpose of constructing low income housing;
- provide evidence of eligibility for Community Development Block Grant (CDBG) assistance;
- own the property for which water service is requested;
- seek to amortize charges related to providing water service to a low-income housing project that:
  - i) is restricted to such use for at least 15 years or such other time specified or required by law; and
  - ii) will provide rental units for low-income residents or, if intended for ownership, will be owner-occupied units for low-income residents.
- incorporate water conservation features, beyond those required by law, into the design of the project and install and maintain water conserving landscaping approved by the District; and
- specify the cost benefit that will inure to residents of the project.

For purposes of this section, "housing" and "low-income housing" shall have the following meaning:

- Housing is defined to include rental housing, condominiums, cooperative housing, ownership housing, housing for families, senior housing, housing for physically and/or mentally disabled people, emergency shelters and shared housing.
- Low-income housing is defined as housing ~~which~~ that is subsidized in whole or in part by one or more governmental agencies or foundations and ~~which~~ that is rented or owned by individuals or families whose incomes are within ranges specified as low-income by the U.S. Department of Housing and Urban Development for Alameda and Contra Costa Counties.

III. In addition to the above criteria, applicants must make written application to the District for water service and provide evidence of tax-exempt status under Internal Revenue Code section 501(c)(3).





**Regulations**

**Section 3**

**Standard Service**

**FY16**





### SECTION 3

#### STANDARD SERVICE

##### **SERVICE CONNECTION EXISTS AT TIME APPLICATION RECEIVED**

A standard service may be granted where a complete service connection for the premises exists, there is no change in the use of the premises, the service has been active within the previous five years, there is no change in service size, and the District's requirements are met as stated in these regulations (see Section 2, Applying for Service and Section 31 – Water Efficiency Requirements). In such cases, if sufficient advance notice is furnished to the District, the service will be turned on at the meter on the date requested by the customer, except Saturdays, Sundays, and holidays.

All requirements established for the existing service connection shall remain in effect, including the requirement for a pressure regulator or backflow prevention device.

##### **SERVICE CONNECTION DOES NOT EXIST AT TIME APPLICATION RECEIVED**

When an application is received for a standard service to premises where a service connection does not exist, or the existing service connection is inadequate, as determined by the District, a standard service may be granted and installed provided the applicant meets the District's general requirements as stated elsewhere in these regulations, and:

1. Service is reasonably available at the premises to be served.
2. The size of the service connection is approved by the District.
3. The applicable District charges have been paid.
4. The applicant agrees to install a pressure regulator or backflow prevention device when required by the District.
5. There is an immediate need for water service to the premises.
6. The applicant agrees to meter the development as specifically approved by the District.

If service is not reasonably available or if unusual conditions exist, the applicant will be advised of the terms and conditions which must be met before an application for service will be accepted.

Additional requirements for nonpotable water service are included in Sections 30 and 31 of these regulations.



SECTION 3

STANDARD SERVICE  
(continued)

In circumstances under which the District anticipates unusual conditions, the applicant shall pay installation charges based on the District's estimate of the total cost of all materials, labor and other costs incidental to the installation. Unusual conditions shall exist when, in the ~~opinion~~sole determination of the District, the installation is to be made under conditions ~~which~~that would result in unusual or significant departure from the basic installation charges set forth in the Schedule of Rates and Charges to Customers. Such circumstances shall include, but not be limited to, the length of the lateral, the type of pavement, anticipated soil or other underground conditions, and the width or travel conditions of the roadway or right-of-way.

Water service will generally be made available by extending a main if the premises to be served does not have principal frontage on an existing water main of adequate flow and pressure (See Section 4). However, water service will not be provided by the extension of a water main where the meter(s) for the premises concerned will be located at an elevation of less than 100 feet below the overflow level of the reservoir supplying such main.

**EXCEPTIONS**

**TEMPORARY CONSTRUCTION SERVICE**

The District may grant a temporary construction service where it is expected that the service will be in use for a short period to serve a temporary operation not related to any particular premises. In such cases, the appropriate installation and system capacity charges set forth in the Schedule of Rates and Charges shall be paid in advance and billing at the current rate for a standard service shall apply.

**INSTALLATION OF SERVICES CONNECTIONS IN NEW SUBDIVISIONS**

Under special conditions the District may install a service connection without the meter in advance of actual need to avoid later cutting of pavement or for other reasons. In such cases, the appropriate installation charges set forth in the Schedule of Rates and Charges shall be paid in advance, but billing procedure shall not apply as the service will not be turned on until a standard service is required and approved by the District. The System Capacity Charge shall be paid in accordance with the provisions of Section 3B. If the service connection is not completed by a request for meter installation and turned on within one year of installation of the connection, the District may determine there is no immediate need for water service and may remove the service connection. Regardless of whether the service connection was removed, to establish service a new service application will be required under the Regulations and Schedule of Rates and Charges then in effect.



SECTION 3

STANDARD SERVICE  
(continued)

**STREET LANDSCAPING SERVICE**

The District may grant a street landscaping service for planting strips or areas which lie within public streets and are devoted to and maintained for landscaping and related purposes by the public agency having jurisdiction over the streets. In such cases, the planting strip or area may be considered a single unit for the purposes of receiving, using and paying for service regardless of its division or intersection by other public streets. The District shall approve the size and location of the service and the distance or area which may constitute a single unit. The appropriate installation and system capacity charge set forth in the Schedule of Rates and Charges shall be paid, and billing at the current rate for a standard service shall apply. Additional requirements for nonpotable and potable water service are contained in Sections 30 and 31 of these regulations.

**COMBINATION STANDARD AND FIRE SERVICE**

Effective January 1, 2011, the California Building Code requires all newly constructed one-and-two-family homes and townhouses to install fire sprinkler systems. The District will grant one service to provide both standard service and a supply to a private fire protection system for each newly constructed residential dwelling unit. A separate fire service connection is required for service to a private fire protection system at all other premises except the following:

1. New service or the enlargement of existing connections required for large area premises with public or private educational facilities and publicly-owned facilities served with combined standard and fire service.
2. Service to multi-family residential premises when a combination standard/fire service meter has been installed for each residential dwelling unit.
3. Service to group homes or group residential facilities when it is determined by the District that a combined service connection is acceptable for metering normal water use and is approved by the responsible fire protection agency.

Except for the System Capacity Charge as provided in Schedule J, the rates and charges pertaining to the service shall be based on actual meter size.



SECTION 3

STANDARD SERVICE  
(continued)

**IRRIGATION METERING**

A ~~dedicated~~~~separate~~ irrigation meter and detailed landscaping plans shall be required for all new (residential and nonresidential) irrigated landscaping covering an area of 5,000 square feet or more, as provided in Section 31 of these regulations.

**BRANCH METERING**

The District may grant two or more standard services from a single service connection for a premises other than a single-family premises if fire sprinklers are not required. The appropriate installation charge set forth in the Schedule of Rates and Charges shall be paid.

**MASTER METERING**

Each separate structure of a premises shall be separately metered. The District may require each customer type in a new structure with more than one business classification to be metered by a master meter or individual meters for each commercial /industrial unit and/or dwelling unit as solely determined by the District.

The District may grant a single service to a premises with two or more dwelling units and or commercial/industrial units such as a residential or commercial condominium project, provided the premises is determined to be a single business classification and all the following conditions are met:

1. The property to be served must be in single ownership, including streets containing the owner's water service pipelines. Where dwelling units are individually owned, the property surrounding the structures must be in single common ownership under a residents or homeowners association.
2. There must be a resident manager for the property who will be responsible for maintaining the private water system beyond the master meter and for payment of all water service charges.
3. The applicant must furnish a written statement from the fire district or other public agency with jurisdiction, indicating its acceptance of the proposed arrangement for providing fire flow, and that the liability for supplying water for fire protection rests solely with the property owner responsible for the private water system.
4. It has been determined by the District that individual metering of each unit is not feasible in accordance with Section 2 of these regulations



### SECTION 3

#### STANDARD SERVICE (continued)

##### **SERVICE CONNECTION NOT AT THE PRINCIPAL FRONTAGE**

In certain unusual circumstances, the District may locate a conditional service connection for a premises at other than the principal frontage provided:

- service is reasonably available at that location,
- the principal frontage ~~is must be~~ on a private road or driveway,
- there is only one premises ~~which that~~ would be so served,
- there is no apparent possibility of further extension to serve other premises,
- there is no requirement for a fire hydrant,
- a main extension for adjacent premises would not be required.

The owner(s) of the premises shall agree in writing to the conditions of service and to relocate the service and pay any applicable costs in the future, should standard service become available at the principal frontage. This agreement shall be a covenant against the premises to be served and shall run with the land, and will be recorded by the District.

##### **SERVICE CONNECTION AT ALTERNATE MAJOR FRONTAGE**

The District may locate the service connection for a premises at that part of the perimeter immediately adjacent to a street or road of general public access, where a water main exists or may be installed, even though it is not the normal vehicle access to the property and provided that the fire hydrant location in relation to the premises is acceptable to the responsible fire protection agency.

The District may locate the service connection(s) for a multi-family residential unit(s) or multi-occupancy commercial/industrial unit(s) at that part of the perimeter immediately adjacent to a street or road of general public access in a development where individual metering of all multi-family residential or multi-occupancy commercial/industrial unit(s) has been determined to be feasible in the sole discretion of the District in accordance with Section 2 of these Regulations.





**Regulations**

**Section 9**

**Guarantee Deposits**

**FY16**





## SECTION 9

### GUARANTEE DEPOSITS

Customers are required to pay bills promptly for water service charges and applicable sewer service charges included as part of the District's bill in accordance with Section 13 of these Regulations, and to maintain a payment history satisfactory to the District.

Customers shall be required to pay a guarantee deposit if:

1. They fail to maintain a satisfactory payment history, or
2. They fail to meet minimum requirements of prospective payment responsibility as determined by the District.

The following provisions shall also apply if a guarantee deposit is required:

1. Full payment of any due bills, in addition to the deposit, may ~~also~~ be required before granting, continuing or reestablishing service;
2. The deposit shall be in an amount approximately two ~~and one-half~~ times the estimated monthly or bimonthly billings, but in no case shall be less than \$50.00;
3. No interest will be paid on deposits; and
4. The guarantee deposit will be credited to the customer's account after he or she has established and maintained a satisfactory payment history for a one-year period. If service is discontinued during this period, the deposit, less the final bill, will be refunded. Any overdue bill may be deducted from the guarantee deposit, and ~~the~~ service may be discontinued until the deposit is restored to the original amount.



**Regulations**

**Section 29**

**Prohibiting Wasteful Use of Water**

**FY16**





SECTION 29

PROHIBITING WASTEFUL USE OF WATER

**A. REGULATIONS AND RESTRICTIONS ON WATER USE**

It is hereby declared by the Board of Directors that in order to conserve the District's water supply for the greatest public benefit, and to reduce the quantity of water used by the District's customers, that wasteful use of water shall ~~ould~~ be ~~eliminated~~ prohibited. Customers of the District shall observe the following regulations and restrictions on water use:

1. Residential Customers shall:
  - a. Use water for lawn or gardening watering, or any other irrigation, in a manner ~~which~~ that does not result in excessive flooding or runoff in gutters or other waterways, patios, driveways, walkways or streets;
  - b. Use water for washing sidewalks, walkways, driveways, patios, parking lots, tennis courts or other hard-surfaced areas in a manner that ~~which~~ does not result in excessive runoff or waste;
  - c. Use water for washing cars, boats, trailers or other vehicles and machinery, preferably from a hose equipped with a shutoff nozzle, in a manner that ~~which~~ does not result in excessive runoff or waste;
  - d. Reduce other interior or exterior uses of water to minimize or eliminate excessive runoff or waste; and
  - e. Repair leaks wherever feasible.
2. Nonresidential Customers shall:
  - a. Use systems ~~which~~ that recycle water where feasible; Single pass cooling systems in new connections, non-recirculating systems in all new conveyer car wash and commercial laundry systems, and non-recycling decorative water fountains shall be prohibited;
  - b. Use water for lawn or garden watering, or any other irrigation, in a manner that ~~which~~ does not result in excessive flooding or runoff in gutters or other waterways, patios, driveways, walkways or streets;
  - c. Use water for washing sidewalks, walkways, driveways, patios, parking lots, tennis courts or other hard-surfaced areas in a manner which does not result in excessive runoff or waste;
  - d. Limit sewer flushing or street washing with District water as much as possible, consistent with public health and safety needs; and



SECTION 29

PROHIBITING WASTEFUL USE OF WATER  
(Continued)

2. Nonresidential Customers shall (Continued):
  - e. Reduce other interior or exterior water uses to minimize or eliminate excessive runoff~~s~~ or waste; and
  - f. Repair leaks wherever feasible.

**B. EXCEPTIONS**

Consideration of written applications for exceptions regarding the regulations and restrictions on water use set forth in this Section shall be as follows:

1. Written applications for exceptions shall be accepted, and may be granted, by the Manager of the Customer Service Division.
2. Denials of applications may be appealed in writing to the General Manager;
3. Grounds for granting such applications are:
  - a. Failure to do so would cause an unnecessary and undue hardship to the Applicant, including, but not limited to, adverse economic impacts, such as loss of production or jobs; or
  - b. Failure to do so would cause a condition affecting the health, sanitation, fire protection or safety of the Applicant or the public.

**C. ENFORCEMENT**

1. The District may, after one written warning, order that a special meter reading or readings be made in order to ascertain whether wasteful use of water is occurring. Charges for such a meter reading or readings or for follow-up visits by District staff shall be fixed by the Board from time to time and shall be paid by the customer.
2. In the event that the District observes that ~~apparently~~ excessive or wasteful water use is occurring at a customer's premises, the General Manager or the Manager of ~~Administration~~ Customer and Community Services may, after a written warning to the customer, authorize installation of a flow-restricting device on the service line for any customer observed by District personnel to be willfully violating any of the regulations and restrictions on water use set forth in this section.
3. In the event that a further willful violation is observed by District personnel, the District may discontinue service. Charges for installation of flow-restricting devices or for restoring service may be fixed by the Board from time to time.



**Regulations**

**Section 30**

**Nonpotable Water Service**

**FY16**





SECTION 30

NONPOTABLE WATER SERVICE

In furtherance of District Policy No. 9.058-1, these regulations identify the types of water uses for which nonpotable water is appropriate; the factors considered in determining the feasibility of nonpotable water service; and the procedure for notification to applicants and customers that nonpotable water use is required.

DEFINITIONS

Feasible. For purposes of this section, nNonpotable water service shall be feasible if the District determines that:

- Nonpotable water may be furnished for the intended use at a reasonable cost to the customer and District.
- Nonpotable water is of adequate quality for the intended use.
- The use of nonpotable water is consistent with all applicable federal, state and local laws and regulations.
- The use of nonpotable water will not be detrimental to the public health and will not adversely affect plant life, fish and wildlife.

Dual Plumbing. For purposes of this section, “dual plumbing” shall mean tThe installation of separate facilities for the distribution of potable and nonpotable water service. These facilities may include distribution piping from the water service main or water supply source to the water service meter, as well as facilities on the customer’s side of the water service meter.

Nondomestic Uses. For purposes of this section, “nondomestic uses” shall mean all ~~applications~~uses of water, except for drinking, culinary purposes, and the processing of products intended for direct human consumption.

Nonpotable Water. For purposes of this section, “nonpotable water” shall mean aAll reclaimed, recycled, reused, or untreated water supplies that meet the conditions set forth in ~~the~~ California Water Code, Section 13550 and are determined by the District to be suitable for nondomestic purposes and feasible for the particular intended use.

Retrofits. For purposes of this section, “retrofit” shall mean tThe conversion or modification of existing water service facilities such that they are suitable for nonpotable water service.

Water Reuse Zones. For purposes of this section, “water reuse zone” shall mean ~~The~~ District-~~designated~~s Water Reuse Zones zones within the District’s ~~s~~Service area where nonpotable water service has been determined to be reasonably available.



SECTION 30

NONPOTABLE WATER SERVICE  
(continued)

TYPES OF NONPOTABLE WATER USE

Use of nonpotable water may be required for nondomestic uses, which include but are not limited to: irrigation of cemeteries, golf courses, playing fields, parks and residential and nonresidential landscaped areas; commercial and industrial process uses; toilet and urinal flushing in nonresidential buildings.

DETERMINATION OF FEASIBILITY OF NONPOTABLE WATER SERVICE

The District will identify customers within Water Reuse Zones and determine the feasibility of providing nonpotable water service to these customers. The District will also review applications for new services to determine the feasibility of providing nonpotable water service to these applicants. If nonpotable water service is determined by the District to be feasible, written notification of the required use of nonpotable water shall be provided to the customer or applicant. Such notification may include information regarding District water service procedures, a description of the District's nonpotable water project, a date by which the customer site must be ready to accept nonpotable water service and a description of any nonpotable water facilities that must be constructed on the customer's site, including dual plumbing. Customers may be required to retrofit existing water service facilities to accommodate nonpotable water service and applicants for new water services may be required to pay for main extensions, install frontage and onsite piping, and install dual plumbing, pursuant to terms and conditions specified by the District.

NONPOTABLE WATER USE PERMITS

Customers and applicants required to use nonpotable water shall submit a Nonpotable Water Service Application. Upon receipt, review and approval of the application, the District will issue a nonpotable water use permit which, among other things, will specify the approved uses at customer sites and requirements for the customer's water distribution facilities and portions of the premises where nonpotable water will be applied.

Nonpotable water service will not commence until all fees are paid and the District verifies compliance with the permit requirements.

In special circumstances, as solely determined by the District, once the permit has been issued, a potable water supply may be provided until all requirements for nonpotable water delivery are complete. All potable water delivered will be billed at the prevailing potable water rates.

Provision of a potable water service until nonpotable water is available may be contingent upon the customer/applicant agreeing to any or all of the following:



SECTION 30

NONPOTABLE WATER SERVICE  
(continued)

- customer/applicant installation of water service facilities separate and distinct from the potable water service facilities for the purpose of facilitating conversion to a nonpotable water supply when available;
- additional retrofitting of water service facilities (potable and nonpotable) and construction of additional nonpotable water facilities (e.g., service laterals, metering conversion and appurtenances) as solely determined by District to be necessary to commence delivery of nonpotable water when available;
- agreement to pay the District's cost to perform ~~said~~ additional retrofitting and construction if the customer/applicant does not perform the work within the time specified;
- installation of flow-restricting devices, at customer/applicant expense, to reduce the maximum flow rate in the event the District is unable to deliver a nonpotable water supply;
- customer/applicant construction of storage facilities to insure an adequate water flow for the site notwithstanding the installation of flow-restricting devices;
- agreement to indemnify the District with respect to any damage arising from the installation of flow-restricting devices or construction of storage facilities;
- removal of flow-restricting devices, without charge, and connection to the nonpotable water supply in the event that the District makes a nonpotable water supply available;
- any other conditions deemed necessary by the District.

The District will advise the customer/applicant of those conditions ~~which~~that shall apply to the delivery of a potable water supply until nonpotable water is available. Applicants for new service that are issued a nonpotable water permit shall pay the applicable Nonpotable System Capacity Charge, notwithstanding the delivery of a potable water supply until nonpotable water is available.

INSTALLATION AND MAINTENANCE COSTS

Except as otherwise provided herein, when an existing customer is required by the District to convert to nonpotable water service, the District will pay the reasonable capital costs of retrofitting the water service facilities on the customer's side of the water service meter and will also provide for the nonpotable water service facilities necessary to deliver nonpotable water to the meter.

New Applicants for water service and customers requesting installation of additional nonpotable water service facilities in order to ~~expand capacity~~ serve new developments or expand capacity, or those customers requesting conversion to nonpotable service not required by the District, shall be responsible for the full cost of all facilities necessary to deliver nonpotable water from the closest available nonpotable water facility to the premises. Costs shall include, but not be limited to, planning, design and installation of main extensions, service laterals, account fees, and all other applicable charges in accordance with the District's Water Service Schedule of Rates and Charges to customers. Extension of nonpotable water mains shall comply with Section 4 of these Regulations.



SECTION 30

NONPOTABLE WATER SERVICE  
(continued)

Once nonpotable water service delivery commences, the customer shall be responsible for all costs of operating and maintaining the water service facilities on the customer's side of the water service meter(s), except where the District has determined that it would be in the best interests of the District to operate and maintain on-site treatment facilities. In the event a customer's water volume demand is increased significantly as a direct result of water quality considerations due solely to the conversion to nonpotable water service, the District may apply a volume conversion factor to the customer's account such that the conversion will not result in an increase to the customer's overall cost of water service. The volume conversion factor shall be applied prior to establishing nonpotable water service, upon request by, and after receipt of adequate documentation of the projected demand increase from, the customer.

DESIGN AND CONSTRUCTION OF RETROFIT WORK

Customers required to convert to nonpotable water service may complete the required retrofit work or, as an alternative, allow the District to complete the retrofit work by the date indicated in the District notification. If the District determines prior to the start of construction that the retrofit of the customer's facilities is not feasible, the District shall be released from any obligation to perform or reimburse the cost of any retrofit work.

Retrofit Work By District

Where the District performs the design and construction of the retrofit work, the customer shall provide access to the site as necessary for the District or its contractors to perform the design and construction work, including but not limited to inspections, testing retrofit items and performing required cross-connection and backflow prevention valve testing, where installation of backflow prevention devices is required by law or recommended by the District.

Retrofit Work By Customer

Prior to customer construction of the retrofit work, customers shall submit, for District review, a proposed schedule, cost estimate, and design for the retrofit construction work. The scope of work, cost estimates, and the proposed schedule are subject to District approval prior to commencement of work. ~~The District will also require that~~ Any retrofit elements required by state law shall be included in the retrofit design. Any changes to the proposed retrofit work must be submitted for District approval prior to construction. The customer shall prepare, or have prepared, the design work for the retrofit and complete the retrofit work and, in doing so, comply with all applicable federal, state, and local codes, laws, ordinances and regulations and obtain all necessary permits. The cCustomer shall maintain compliance documents and furnish copies of said documents upon District request. Customers shall install backflow prevention devices as required by law or recommended by the District. The District shall not be a party to any contract between the customer and a third-party consultant or contractor, and District shall have no responsibility thereunder, although the District shall be entitled to review the contracts. The customer shall agree to indemnify the District with respect to any claims arising from the design or construction of the retrofit work. The District shall be entitled to inspect the retrofit work to verify that the retrofit items are installed and functioning, and to perform required cross-connection and backflow prevention



SECTION 30

NONPOTABLE WATER SERVICE  
(continued)

valve testing. The customer or his or her representative and any construction contractor used to perform the retrofit work shall be present during the final inspection.

Upon completion of the retrofit design work and subject to District approval of design costs, prior to start of design work, the District will reimburse the design costs incurred by the customer. Upon completion of construction, District inspection and approval of the work and the costs, the District will reimburse the construction costs incurred by the customer.

Failure to Complete Retrofit Work

Customers who do not complete the retrofit work to enable the delivery of nonpotable water by the District-specified date will not be in compliance with this regulation. Such customers may shall be subject to a financial penalty, as may be established by the District. pay the ~~Nonpotable Water Use Incentive Rate per the District's Water Service Schedule of Rates and Charges for all potable water used during the period of noncompliance.~~ Once the retrofit is completed and the customer site is ready to accept nonpotable water, the customer will pay the nonpotable water rate. If nonpotable water is unavailable when the retrofit is complete, the potable water rate shall be charged until nonpotable water is available for delivery to the site.





**Regulations**

**Section 31**

**Water Efficiency Requirements**

**FY16**





## SECTION 31

### WATER EFFICIENCY REQUIREMENTS

These regulations identify the types of water efficiency requirements for water service and the procedure for notification to Applicants that water efficiency measures are required. The most water-efficient requirement of EBMUD, local, state or federal regulations apply.

#### A. DETERMINATION OF FEASIBILITY OF WATER EFFICIENCY MEASURES

The District will review applications for new standard services and determine the applicability of, and compliance with, water-efficiency requirements. Applicants for expanded service shall be required to meet the water-efficiency requirements for all new water service facilities and may be required to retrofit existing water service facilities or uses to comply with these requirements. Applicant shall maintain design documents and construction and installation records and furnish a copy of said documents and records to the District upon request. The District may inspect the installation of water efficiency measures to verify that the items are installed and performing to the required water use levels. The Applicant or their representative may be present during any District inspection.

#### B. WATER EFFICIENCY REQUIREMENTS FOR NEW DEVELOPMENT OR EXPANDED SERVICE

Water service shall not be furnished to any Applicant for new or expanded service, or for any change in customer classification (such as a change from industrial to commercial, residential to commercial, or the like) that includes new or retrofitted water using equipment, unless all the applicable water-efficiency measures hereinafter described in this Section 31 have been reviewed and approved by the District. All the applicable and required water-efficiency measures shall be installed at Applicant's expense.

#### C. INDOOR WATER USE

##### a. Residential Water Service.

Toilets shall be high-efficiency or dual flush models rated and (third party) tested at a maximum average flush volume of 1.28 gallons per flush (gpf), and be certified as passing a 350 gram or higher flush test as established by the U.S. Environmental Protection Agency WaterSense Specification or other District-accepted third party testing entity. No flush or conversion devices of any other kind shall be accepted.

- a. Showerheads shall be individually plumbed and have a maximum rated flow of 2.0 gallons per minute or less and be limited to one showerhead per shower stall of 2,500 sq. inches in area or less. Installation of flow restrictors in existing showerheads does not satisfy this requirement.
- b. Lavatory faucets shall have aerators or laminar flow control devices (i.e., orifices) with a maximum rated flow of 1.5 gallons per minute or less.



SECTION 31

WATER EFFICIENCY REQUIREMENTS  
(continued)

- c. Kitchen faucets shall have aerators or laminar flow control devices (i.e., orifices) with a maximum rated flow of 2.2 gallons per minute or less.
- d. Clothes washing machines shall be front loading horizontal axis or top loading models with a water factor rating of 4.5 or less. A water factor rating of 4.5 means a maximum average water use of 4.5 gallons per cubic foot of laundry.
- e. Dishwashers rated as standard size (i.e. 307 kWh/year) shall use less than or equal to 5.0 gallons/cycle. Dishwashers rated as compact size (i.e., 222 kWh/year) shall use less than or equal to 3.5 gallons/cycle.

**b. Non-Residential Water Service.**

- a. Toilets shall be high-efficiency or dual flush models rated and (third-party) tested at a maximum average flush volume of 1.28 gallons per flush (gpf), and be certified as passing a 350 gram or higher flush test as established by the U.S. Environmental Protection Agency WaterSense Specification or other District-accepted third party testing entity. Pressure-assisted type toilets shall be high-efficiency rated at a maximum 1.0 gpf. No flush or conversion devices of any other kind shall be accepted.
- b. Urinals shall have a maximum rated flow of ~~0.5~~ 125 gpf or less, or be zero water consumption urinals.
- c. Showerheads shall be individually plumbed and have a maximum rated flow of 2.0 gallons per minute or less, and be limited to one showerhead per shower stall of 2,500 sq. inches in area or less. Installation of flow restrictors in existing showerheads does not satisfy this requirement.
- d. Lavatory faucets shall have aerators or laminar flow control devices (i.e., orifices) with a maximum rated flow of 1.5 gallons per minute or less.
- e. Kitchen faucets shall have aerators or laminar flow control devices (i.e., orifices) with a maximum rated flow of 2.2 gallons per minute or less.
- f. Laundry washing machines shall be front loading horizontal axis or top loading models with both: (1) a maximum water factor rating of 4.5 or less. A water factor of 4.5 means a maximum average water use of 4.5 gallons per cubic foot of laundry or less.
- g. Cooling towers not utilizing recycled water shall be equipped with recirculating systems and operate at a minimum of five (5) cycles of concentration. Newly constructed cooling towers shall be operated with conductivity controllers, as well as make up and blowdown meters.



SECTION 31

WATER EFFICIENCY REQUIREMENTS  
(continued)

- h. Food steamers in all food service facilities shall be boiler less or self-contained models using  $\leq 3.0$  gallons per hour where applicable.
- i. Ice machines shall be air-cooled or use no more than 20 gallons of water per 100 pounds of ice and shall be equipped with a recirculating cooling unit.
- j. Commercial refrigeration shall be air-cooled or if water-cooled, must have a closed looped system. No once through, single pass systems are permitted.
- k. Pre-Rinse Dishwashing Spray Valves shall have a maximum rated flow of 1.6 gpm or less.
- l. Dishwashers or ware washing equipment shall be currently labeled an EnergyStar rated water efficient model meeting the maximum water consumption limits as specified in the table below:

Machine Type	High Temp Requirements	Low Temp Requirements
Under Counter	$\leq 0.86$ GPR	$\leq 1.19$ GPR
Stationary Single Tank Door	$\leq 0.89$ GPR	$\leq 1.18$ GPR
Pot, Pan, and Utensil	$\leq 0.58$ GPSF	$\leq 0.58$ GPSF
Single Tank Conveyor	$\leq 0.70$ GRP	$\leq 0.79$ GPR
Multiple Tank Conveyor	$\leq 0.54$ GRP	$\leq 0.54$ GRP
Single Tank Flight Type	$\leq \text{GPH} \leq 2.975x + 55.00$	$\leq \text{GPH} \leq 2.975x + 55.00$
Multiple Tank Flight Type	$\leq \text{GPH} \leq 4.96x + 17.00$	$\leq \text{GPH} \leq 4.96x + 17.00$

\*GRP (gallons per rack); GPSF (gallons per square foot); GPH (gallons per hour)

- m. Vehicle wash facilities shall reuse a minimum of 50% of water from previous vehicle rinses in subsequent washes.

**D. OUTDOOR WATER USE (All Applicants)**

1. Landscaping.

- a. Plans with design details including plants, irrigation, grading and hydrozones shall be submitted to the District for review and approval by District for compliance with these Regulations prior to installation of a water meter. Detailed landscaping plans are required for any new or retrofitted landscaping greater than 2,500 square feet of landscaped area. Applicants with less than 2,500 square feet of landscaped area shall be required to complete a check list provided by the District including a planting and irrigation diagram for review by the District.



SECTION 31

WATER EFFICIENCY REQUIREMENTS  
(continued)

Landscaping shall include water efficient technology and use best management practices to reduce the annual supplemental irrigation requirement to the lowest practical amount not to exceed 70% of reference evapotranspiration for the landscaped area.

- b. Ornamental Turf areas shall be limited to no more than 25% of the total landscaped area. Exceptions may be granted, in the sole discretion of the District, for approved drought tolerant grasses and for approved recreational areas. Turf is not permitted in any area or portion of an area with a dimension of less than eight feet on any side and shall meet precipitation rate requirements for slopes greater than 25 percent.
- c. Non-turf areas shall be native or climate-appropriate species classified as low or very-low water use in the California Department of Water Resources publication Water Use Classification of Landscape Species (WUCOLS). Up to 20% of the non-turf landscaped area may have a medium or high water requirement as long as they are appropriately grouped together and irrigated separately. High and medium water use plants shall not be irrigated on the same zone that includes any low or very-low water use plant. The surface area of pools and water features shall be included in the 20% of non-turf medium or high water use landscaped area calculation.
- d. Mulch: A minimum 3-inch layer of mulch shall be specified for non-turf planting areas unless there is a horticultural reason not to mulch.

2. Irrigation.

- a. Irrigation Efficiency. Irrigation systems shall be designed, installed and operated to avoid overspray and runoff onto any adjacent hardscape or planting area. Irrigation systems shall be designed, installed and operated at the lowest practical amount of water not to exceed 70% of reference evapotranspiration for the landscaped area.
- b. Automatic, self-adjusting irrigation controllers shall be required on all irrigation systems with three or more valves or landscaped areas of 1,000 sq. ft. or more and shall automatically activate and deactivate the irrigation system based on changes in the weather or soil moisture.
- c. Overhead sprinklers and spray heads shall not be permitted in any landscaped area or portion of an area with a dimension of less than eight feet on any side and shall be offset a minimum of 24 inches away from impervious paving. All sprinklers and other emission devices shall have matched precipitation rates within each control valve or zone. Landscape design best practices shall include distribution uniformity, head-to-head spacing and other conditions as required by regulation and/or ordinance.
- d. Valves and circuits shall be separated hydrozoned based on plant water requirement (including varying root depth), sun exposure, top and bottom of slope, and irrigation rate as applicable.



SECTION 31

WATER EFFICIENCY REQUIREMENTS  
(continued)

e. Dedicated Irrigation Meter shall be required for irrigated landscaped area of 5,000 square feet or more. ~~A private sub-meter shall be required for irrigated landscaped area of 2,500 up to 4,999 square feet.~~

f. Certificate of Completion.

Applicant shall submit an landscape irrigation audit report verifying installation and irrigation efficiency per approved design on a form consistent with Sections 490.1, 492.9 and 492.12 of the State Model Water Efficient Landscape Ordinance or equivalent documentation as provided determined by the District, ~~for all landscaped areas of 2,500 and 5,000 square feet or greater as applicable.~~

3. **Swimming pools and spas.**

a. Covers are required for all pools and spas. Public health and safety exemptions may be granted as solely determined by District.

**E. PENALTIES/CONSEQUENCES**

Failure of Applicant to conform to this Regulation and these water-efficiency requirements stated herein may result in:

1. A requirement to resubmit water service application and water-efficiency plan at Applicant's expense until District approves water service.
2. District's inability to release water meter(s) for installation and inability to activate account until water-efficiency plan is approved by District.





**Recreation Use Fees**

**Calendar Years 2016 and 2017**





**RECREATION USE FEES FOR 2016 AND 2017**  
**January - December 2016\***  
**January 2017\***

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 Resource Department in advance.

District employees, retirees and immediate family receive free vehicle entry and boat launch, and a camping discount equal 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 4, 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](#).

\*Fee years are by calendar year for all locations except the Camanche Hills Hunting Preserve where fees are [implemented earlier](#) for the hunting year October 1- September 30.



**SCHEDULE OF RATES AND CHARGES TO CUSTOMERS  
OF THE EAST BAY MUNICIPAL UTILITY DISTRICT**

<b>CAMANCHE HILLS HUNTING PRESERVE</b>	<u>Current CY15</u>	<u>Proposed CY16</u>	<u>Proposed CY17</u>
<b>PRESERVE LICENSE (QUANTITY PRICE BREAK)</b>			
<b>PRESERVE LICENSE:</b>			
Initiation Fee (Family)	2,995.00	2,995.00	2,995.00
Initiation Fee (Corporate)	2,995.00	2,995.00	2,995.00
Annual Maintenance (Family)	200.00	200.00	200.00
Annual Maintenance (Corporate)	400.00	400.00	400.00
 <b>LICENSED GUIDE GOOSE HUNT (PER PERSON/HUNT)</b>	 200.00	 200.00	 200.00
<b>BIRD PROCESSING: (PRICE PER EACH)</b>			
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	5.00	5.00
 <b>Dog Rental</b>			
Half Day	75.00	75.00	75.00
Full Day	140.00	140.00	140.00
Special Hunt	140.00	140.00	140.00
 <b>SPORTING CLAYS</b>			
Full Round Course (100 targets)	<del>38.00</del>	<u>40.00</u>	40.00
Half Round Course (50 targets)	<del>20.00</del>	<u>22.00</u>	22.00
Additional Round	10.00	10.00	10.00
Full-Day	50.00	50.00	50.00
25 targets (5-Stand/Grouse bunker)	<del>7.00</del>	<u>9.00</u>	9.00
25 targets (Skeet/trap)	6.00	6.00	6.00
 <b>ARCHERY RANGE AND COURSE</b>			
7 Station 3-D target Course			
Per person	10.00	10.00	10.00
Per pair	18.00	18.00	18.00
Per <del>family</del> <u>group</u> (max 4)	34.00	34.00	34.00
 <b><u>FISHING ACCESS TO RABBIT CREEK ARM OF CAMANCHE LAKE AND FARM PONDS LOCATED ON CHHP RECREATIONAL AREA</u></b>			
<u>Public Fishing Access</u>	<u>N/A</u>	<u>10.00</u>	10.00
<u>CHHP Members Access</u>	<u>N/A</u>	<u>5.00</u>	5.00
 <b><u>FISHING ACCESS TO RABBIT CREEK ARM OF CAMANCHE LAKE</u></b>			
<u>Public Fishing Access: Bow for Carp</u>	<u>N/A</u>	<u>10.00</u>	10.00



<b>CAMANCHE HILLS HUNTING PRESERVE (continued)</b>	<u>Current CY15</u>	<u>Proposed CY16</u>	<u>Proposed CY17</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 the 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/Former POW/Disabled Veteran~~ and Disabled 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/Former POW/Disabled~~ and Distinguished Veteran ~~visitors~~ Pass holders.

An RV Parking discount of 50% is offered to Senior ~~/Disabled/Former POW/Disabled~~ and Distinguished Veteran ~~visitors~~ 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.

The Daily fee is valid only on the date of purchase and provides the hunter with opportunities to hunt and harvest either 3 pheasants or 6 quail.



**SCHEDULE OF RATES AND CHARGES TO CUSTOMERS  
OF THE EAST BAY MUNICIPAL UTILITY DISTRICT**

<b>CAMANCHE RESERVOIR - NORTH SHORE AND SOUTH SHORE RECREATION AREAS</b>	<u>Current CY15</u>	<u>Proposed CY16</u>	<u>Proposed CY17</u>
<b>VEHICLE ENTRY/PARKING CAR/MOTORCYCLE/SMALL VAN</b>			
Daily	12.50	12.50	12.50
Daily, after 3:00pm on non-holiday weekends	<del>8.00</del>	<u>10.00</u>	10.00
Daily (Off-season)	8:00	8:00	8:00
Nightly (non-camping)	12.00	12.00	12.00
Annual	<del>150.00</del>	<u>160.00</u>	160.00
<del>Senior/Disabled/Former POW/Disabled Veteran Annual</del>	<del>75.00</del>		
Combined Car/Boat Daily	<del>16.50</del>	<u>17.00</u>	17.00
Combined Car and Boat 5 Use Card (Off-season)	60.00	60.00	60.00
Combined Car and Boat 5 Use Card, after 3:00pm weekdays	37.50	37.50	37.50
Annual Marina Overnight/Day Use	210.00	210.00	210.00
<b>VEHICLE ENTRY/PARKING LARGE VANS AND BUSES</b>			
Large Vans - 10-20 Passengers	<del>18.00</del>	<u>19.00</u>	19.00
Buses – 21+ Passengers	<del>35.00</del>	<u>36.00</u>	36.00
<b>DOG - daily</b>	<del>5.00</del>	<u>5.50</u>	5.50
<b>BOAT LAUNCH</b>			
Daily	10.00	10.00	10.00
Daily (Off-season)	7.00	7.00	7.00
Night	10.00	10.00	10.00
Annual	150.00	150.00	150.00
Senior/Disabled/Former POW/Disabled Veteran Annual	75.00	75.00	75.00



**SCHEDULE OF RATES AND CHARGES TO CUSTOMERS  
OF THE EAST BAY MUNICIPAL UTILITY DISTRICT**

<b>CAMANCHE RESERVOIR - NORTH SHORE AND SOUTH SHORE RECREATION AREAS (continued)</b>	<u>Current CY15</u>	<u>Proposed CY16</u>	<u>Proposed CY17</u>
<b>BOAT MOORING (Buoy)</b>			
Nightly	15.00	15.00	15.00
Weekly	80.00	80.00	80.00
Monthly: under 30 feet	250.00	250.00	250.00
30 feet & larger	325.00	325.00	325.00
Annual: under 30 feet	1,450.00	1,450.00	1,450.00
30 feet & larger	1,900.00	1,900.00	1,900.00
<b>BOAT SLIP OPEN (Excl. park entry)</b>			
Daily	<del>25.00</del>	<u>30.00</u>	30.00
Weekly	<del>140.00</del>	<u>150.00</u>	150.00
Monthly	350.00	350.00	350.00
Annual	1,650.00	1,650.00	1,650.00
8 Months	1,350.00	1,350.00	1,350.00
Key Security Deposit	10.00	10.00	10.00
<b>BOAT SLIP COVERED – 24’ Length Maximum</b>			
Daily	<del>30.00</del>	<u>40.00</u>	40.00
Weekly	<del>160.00</del>	<u>170.00</u>	170.00
Monthly	<del>450.00</del>	<u>460.00</u>	460.00
Annual	1,850.00	1,850.00	1,850.00
Key Security Deposit	<del>40.00</del>	<u>50.00</u>	50.00
<b>BOAT SLIP COVERED – (over 24’ Length Excl. Park Entry)</b>			
Daily	<del>35.00</del>	<u>45.00</u>	45.00
Weekly	<del>200.00</del>	<u>210.00</u>	210.00
Monthly	<del>525.00</del>	<u>560.00</u>	560.00
Annual	<del>2,200.00</del>	<u>2,250.00</u>	2,250.00
Key Security Deposit	<del>40.00</del>	<u>50.00</u>	50.00



**SCHEDULE OF RATES AND CHARGES TO CUSTOMERS  
OF THE EAST BAY MUNICIPAL UTILITY DISTRICT**

<b>CAMANCHE RESERVOIR - NORTH SHORE AND SOUTH SHORE RECREATION AREAS (continued)</b>	<u>Current CY15</u>	<u>Proposed CY16</u>	<u>Proposed CY17</u>
<b>RV/TRAILER/BOAT STORAGE (Excl. park entry)</b>			
Weekly	50.00	50.00	50.00
Monthly	120.00	120.00	120.00
12 Months, consecutive	<del>675.00</del>	<u>700.00</u>	700.00
Monthly – 30’ Length Maximum (Concurrent with Mooring/Slip Rental)	55.00	55.00	55.00
Monthly – Over 30’ (Concurrent with Mooring/Slip Rental)	85.00	85.00	85.00
Annual – 30’ Length Maximum (Concurrent with Mooring/Slip Rental)	300.00	300.00	300.00
Annual – Over 30’ (Concurrent with Mooring/Slip Rental)	425.00	425.00	425.00
Annual – concurrent with Mobile Home Space rent	425.00	425.00	425.00
Annual – concurrent with Mobile Home Space Rent (<28’, 1 boat only, dry # 3)	150.00	150.00	<u>175.00</u>
<b>FISHING ACCESS PERMIT</b>			
Daily	<del>5.00</del>	<u>5.50</u>	<u>6.00</u>
Annual	<del>110.00</del>	<u>120.00</u>	<u>130.00</u>
<del>6 month July 1 through Dec 31 (annual prorated)</del>	<del>55.00</del>		
<b>CAMPSITE (w/vehicle parking)</b>			
Nightly	28.00	28.00	28.00
Nightly (Off-season – Friday thru Sunday nights)	16.00	16.00	16.00
Midweek (Monday thru Thursday night)	8.00	8.00	8.00
Second Car Parking	12.00	12.00	12.00
Weekly	150.00	150.00	150.00
Second Car Weekly	70.00	70.00	70.00
14 nights	275.00	275.00	275.00
5 Use Card (Off-season)	75.00	75.00	75.00
Camping Reservation Fee	10.50	10.50	10.50





**SCHEDULE OF RATES AND CHARGES TO CUSTOMERS  
OF THE EAST BAY MUNICIPAL UTILITY DISTRICT**

<b>CAMANCHE RESERVOIR - NORTH SHORE AND SOUTH SHORE RECREATION AREAS (continued)</b>	<u>Current CY15</u>	<u>Proposed CY16</u>	<u>Proposed CY17</u>
<b>LAKESIDE PREMIUM CAMPSITES</b>			
Nightly	35.00	35.00	35.00
Nightly (Off Season Friday thru Sunday nights)	16.50	16.50	16.50
Midweek (Monday thru Thursday night)	8.25	8.25	8.25
Second Car Parking	12.00	12.00	12.00
Weekly	180.00	180.00	180.00
Second Car Weekly	75.00	75.00	75.00
14 Nights	330.00	330.00	330.00
5 Use Card (Off Season)	75.00	75.00	75.00
<b>CAMPSITES WITH YURT STRUCTURES</b>			
8 person nightly	75.00	75.00	75.00
16 person nightly	125.00	125.00	125.00
8 person weekly	395.00	395.00	395.00
16 person weekly	645.00	645.00	645.00
<b>CAMPSITE (WALK-IN/BICYCLE PARKING – 8 PERSON/BIKE MAX)</b>			
Nightly	25.00	25.00	25.00
Weekly	135.00	135.00	135.00
14 nights	255.00	255.00	255.00
<b>GROUP CAMP (Nightly)</b>			
<del>Group Assembly Area</del>	<del>80.00</del>	<del>80.00</del>	<del>80.00</del>
<del>8-Person Limit (Horse Camp, 4 persons, 4 horses max)</del>	<del>50.00</del>		
12-Person Limit	<del>85.00</del>	<u>90.00</u>	<u>95.00</u>
16-Person Limit	<del>105.00</del>	<u>110.00</u>	<u>115.00</u>
24-Person Limit	<del>125.00</del>	<u>130.00</u>	<u>135.00</u>
32-Person Limit	<del>165.00</del>	<u>170.00</u>	<u>175.00</u>
64-Person Limit	<del>295.00</del>	<u>300.00</u>	<u>305.00</u>
72-Person Limit	<del>350.00</del>	<u>355.00</u>	<u>360.00</u>
<b>GROUP CAMP (Nightly, off season)</b>			
<del>Group Assembly Area</del>	<del>40.00</del>	<del>40.00</del>	<del>40.00</del>
<del>8-Person Limit (Horse Camp)</del>	<del>25.00</del>		
12-Person Limit	<del>45.00</del>	<u>50.00</u>	<u>55.00</u>
16-Person Limit	<del>50.00</del>	<u>55.00</u>	<u>60.00</u>
24-Person Limit	<del>55.00</del>	<u>60.00</u>	<u>65.00</u>
32-Person Limit	<del>60.00</del>	<u>65.00</u>	<u>70.00</u>
64-Person Limit	<del>135.00</del>	<u>145.00</u>	145.00
72-Person Limit	<del>160.00</del>	<u>170.00</u>	170.00



**SCHEDULE OF RATES AND CHARGES TO CUSTOMERS  
OF THE EAST BAY MUNICIPAL UTILITY DISTRICT**

<b>CAMANCHE RESERVOIR - NORTH SHORE AND SOUTH SHORE RECREATION AREAS (continued)</b>	<u>Current CY15</u>	<u>Proposed CY16</u>	<u>Proposed CY17</u>
<b><u>EQUESTRIAN – TURKEY HILL – 2 HORSES PER SINGLE SITE – “NO OFFSEASON DISCOUNTS”</u></b>			
<u>General Assembly Area</u>	<u>N/A</u>	<u>80.00</u>	80.00
<u>Turkey Hill Single</u>	<u>N/A</u>	<u>50.00</u>	50.00
<u>Turkey Hill Double</u>	<u>N/A</u>	<u>105.00</u>	105.00
<u>Turkey Hill Triple</u>	<u>N/A</u>	<u>125.00</u>	125.00
<u>Turkey Hill Quad</u>	<u>N/A</u>	<u>165.00</u>	165.00
<u>Entire Turkey Hill (includes assembly area)</u>	<u>N/A</u>	<u>590.00</u>	590.00
<b>RV SITE</b>			
Nightly	48.00	48.00	48.00
Weekly	270.00	270.00	270.00
Monthly	500.00	500.00	500.00
Season (6-Month Max.)	1,850.00	1,850.00	1,850.00
6 night off-season use card (Off Season)	180.00	180.00	180.00
Premium Sites (Peak Season)	53.00	53.00	53.00
Premium Sites Weekly (Peak Season)	325.00	325.00	325.00
<b>TOWING</b>			
Camanche Recreation Area per hour	110.00	110.00	110.00
<b>MISCELLANEOUS</b>			
Camanche Recreation Area Lake Tours	14.00	14.00	14.00
Holding Tank Pumping	<del>75.00</del>	<u>100.00</u>	100.00
<b>COTTAGE/MOTEL GENERAL</b>			
Camanche Recreation Area – Security Deposit	200.00	200.00	200.00
Additional Guest Charge (to maximum occupancy)	15.00	15.00	15.00
<b>COTTAGE (4-Person Base)</b>			
May - Sept: Night	170.00	170.00	170.00
Week	800.00	800.00	800.00
Oct-March: Night	115.00	115.00	115.00
Week	570.00	570.00	570.00
Month	1,500.00	1,500.00	1,500.00
<b>COTTAGES (6-Person Base)</b>			
May-Sept: Night	215.00	215.00	215.00
Week	935.00	935.00	935.00
Oct-April: Night	150.00	150.00	150.00
Week	700.00	700.00	700.00
Month	1,250.00	1,250.00	1,250.00



**SCHEDULE OF RATES AND CHARGES TO CUSTOMERS  
OF THE EAST BAY MUNICIPAL UTILITY DISTRICT**

<b>CAMANCHE RESERVOIR - NORTH SHORE AND SOUTH SHORE RECREATION AREAS (continued)</b>	<u>Current CY15</u>	<u>Proposed CY16</u>	<u>Proposed CY17</u>
<b>COTTAGES (10-Person Base)</b>			
<del>May-Sept: Night</del>	<del>270.00</del>		
<del>Week</del>	<del>1,325.00</del>		
<del>Oct-April: Night</del>	<del>155.00</del>		
<del>Week</del>	<del>785.00</del>		
<del>Month</del>	<del>1,325.00</del>		
<b>MOTEL (TWIN)</b>			
May-Sept: Night	80.00	80.00	80.00
Week	400.00	400.00	400.00
Oct-April: Night	60.00	60.00	60.00
Week	300.00	300.00	300.00
Month	525.00	525.00	525.00
<b>MOTEL (KING)</b>			
<del>May-Sept: Night</del>	<del>99.00</del>		
<del>Week</del>	<del>480.00</del>		
<del>Oct-April: Night</del>	<del>79.00</del>		
<del>Week</del>	<del>390.00</del>		
<del>Month</del>	<del>650.00</del>		
<b><u>RESORT RENTAL (4 BEDROOM, 14 PERSON MAX)</u></b>			
<u>May-Sept: Night</u>	<u>N/A</u>	<u>315.00</u>	<u>325.00</u>
<u>Week</u>	<u>N/A</u>	<u>1,575.00</u>	<u>1,625.00</u>
<u>Oct-March: Night</u>	<u>N/A</u>	<u>155.00</u>	155.00
<u>Week</u>	<u>N/A</u>	<u>785.00</u>	785.00
<b>MOBILE HOME (MONTHLY)</b>			
2 bedroom	CY14 Rate + HUD FMR	CY15 Rate + HUD FMR	CY16 Rate + HUD FMR
3 bedroom	CY14 Rate + HUD FMR	CY15 Rate + HUD FMR	CY16 Rate + HUD FMR
<del>4 bedroom</del>	<del>CY14 Rate + HUD FMR</del>		



**SCHEDULE OF RATES AND CHARGES TO CUSTOMERS  
OF THE EAST BAY MUNICIPAL UTILITY DISTRICT**

<b>CAMANCHE RESERVOIR - NORTH SHORE AND SOUTH SHORE RECREATION AREAS (continued)</b>	<u>Current CY15</u>	<u>Proposed CY16</u>	<u>Proposed CY17</u>
<b>MOBILE HOME SPACES (MONTHLY)</b>			
North Shore 1A	CY14 Rate + HUD FMR	CY15 Rate + HUD FMR	CY16 Rate + HUD FMR
North Shore 1B	CY14 Rate + HUD FMR	CY15 Rate + HUD FMR	CY16 Rate + HUD FMR
North Shore 2	CY14 Rate + HUD FMR	CY15 Rate + HUD FMR	CY16 Rate + HUD FMR
South Shore	CY14 Rate + HUD FMR	CY15 Rate + HUD FMR	CY16 Rate + HUD FMR
<b>OTHER MOBILE HOME FEES (Per Space – Monthly)</b>			
Guest Fee	75.00	75.00	75.00
Late Rent/Returned Check Fee	40.00	40.00	40.00
<b>FACILITY RENTAL</b>			
Lakeside Hall Daily (hall only)	<del>600.00</del>	<u>650.00</u>	<u>700.00</u>
Lakeside Hall Daily (kitchen & serviceware included)	<del>850.00</del>	<u>925.00</u>	<u>1,000.00</u>
Lakeside Hall Cleaning and Equipment Deposit	1,000.00	1,000.00	1,000.00
Camanche Clubhouse Rental Daily	150.00	150.00	150.00
Camanche Clubhouse Rental	100.00	100.00	100.00
<p>*HUD 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.</p>			



**Camanche Reservoir – North and South Shore Recreation Area Discounts, Special Programs, Limitations.**

Concessionaire Employees may 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/~~Former POW/Disabled Veterans~~ – 50% Discount on annual entry and boat launch fees, and on ~~non-weekend~~, 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 – Free day use and boat launch and 50% discount on non-holiday weekday boat rentals.](#)

Mobilehome Park Tenants-50% off non-holiday weekday boat rentals and additional 25% off for qualifying Senior/Disabled/Former POW/Disabled Veteran tenants; ~~s~~ s Special additional incentives for non-holiday Tuesday boat rentals; ~~a~~ a 40% discount on off-season monthly open slip, covered slip and mooring buoy fees; ~~and a~~ 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.

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.



**Camanche Reservoir – North and South Shore Recreation Area Discounts, Special Programs, Limitations (continued).**

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 in 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.



**SCHEDULE OF RATES AND CHARGES TO CUSTOMERS  
OF THE EAST BAY MUNICIPAL UTILITY DISTRICT**

<b>LAFAYETTE RECREATION AREA</b>	<u>Current CY15</u>	<u>Proposed CY16</u>	<u>Proposed CY17</u>
<b>ENTRY AND PARKING - CAR/MOTORCYCLE/SMALL VAN</b>			
Daily	7.00	7.00	7.00
Annual (new; includes \$25 access card)	145.00	145.00	145.00
Annual (renewal, using existing access card)	120.00	120.00	120.00
Replacement access card (gate card)	25.00	25.00	25.00
Parking Meters ½ hour (may be increased up to a maximum rate of 0.75 per ½ hour prior to CY13)	.75	.75	.75
Senior/Disabled/ <del>Former POW/Disabled Veteran</del> Season (new)	105.00	105.00	105.00
Senior/Disabled/ <del>Former POW/Disabled Veteran</del> Season (renewal upon existing access card)	80.00	80.00	80.00
<b>ENTRY AND PARKING LARGE VANS AND BUSES</b>			
Large Vans - 10-20 Passengers	18.00	18.00	18.00
Buses – 21+ Passengers	33.00	33.00	33.00
<b>DOG (no charge)</b>			
<b>COMMERCIAL USES (in addition to the base fee noted below, the Director of Water and Natural Resources may set an additional fee to recover District’s direct costs plus overhead.)</b>			
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
<b>BOAT LAUNCH</b>			
Daily	4.00	4.00	4.00
Annual	50.00	50.00	50.00
Boat Inspection Fee	6.00	6.00	6.00
<b>FISHING ACCESS</b>			
Daily	5.00	5.00	5.00
<b>GROUP PICNIC</b>			
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	500.00	500.00
	+ \$1/ participant	+ \$1/ participant	+ \$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/~~Former POW/Disabled Veterans~~ – 50% discount on boat launch fees and on ~~non-weekend~~ non-holiday weekday boat rentals. Senior rates are for individuals with a drivers' license showing age 62 or older.

Distinguished Veteran Pass holders – Free day use and boat launch and 50% discount on non-holiday weekday boat rentals.





**SCHEDULE OF RATES AND CHARGES TO CUSTOMERS  
OF THE EAST BAY MUNICIPAL UTILITY DISTRICT**

<b>PARDEE RECREATION AREA</b>	<u>Current CY15</u>	<u>Proposed CY16</u>	<u>Proposed CY17</u>
<b>VEHICLE ENTRY AND PARKING - CAR/MOTORCYCLE/SMALL VAN</b>			
Daily/Nightly (Non-Camping)	<del>9.00</del>	<u>9.50</u>	<u>10.00</u>
Season	<del>104.00</del>	<u>110.00</u>	<u>112.00</u>
Combined Car/Boat Daily	<del>15.00</del>	<u>16.00</u>	<u>17.00</u>
<b>VEHICLE ENTRY AND PARKING LARGE VANS AND BUSES</b>			
Large Vans - 10-20 Passengers	<del>20.00</del>	<u>21.00</u>	<u>22.00</u>
Buses – 21+ Passengers	<del>35.00</del>	<u>36.00</u>	<u>38.00</u>
<b>DOG</b>	<del>4.00</del>	<u>5.00</u>	5.00
<b>STANDARD BOAT LAUNCH</b>			
Daily (Weekend included)	<del>8.00</del>	<u>8.50</u>	<u>9.00</u>
Season	<del>90.00</del>	<u>95.00</u>	<u>100.00</u>
<b>CARTOP BOAT LAUNCH (Float Tube, Kayak, Canoe, Scull)</b>			
Daily	<del>4.00</del>	<u>4.50</u>	<u>5.00</u>
Season	<del>40.00</del>	<u>42.00</u>	<u>44.00</u>
<b>BOAT MOORING</b>			
Monthly	120.00	120.00	120.00
Season	420.00	420.00	420.00
<b>BOAT SLIP (excl. park entry)</b>			
Daily	<del>9.00</del>	<u>9.50</u>	9.50
Weekly	<del>43.50</del>	<u>45.00</u>	45.00
Monthly	<del>132.00</del>	<u>135.00</u>	135.00
Season	<del>660.00</del>	<u>680.00</u>	680.00
Season (concurrent with season RV)	<del>610.00</del>	<u>630.00</u>	630.00
<b>FISHING ACCESS</b>			
Daily	<del>5.00</del>	<u>5.50</u>	<u>6.00</u>
Annual	<del>140.00</del>	<u>195.00</u>	195.00
<b>MISCELLANEOUS</b>			
RV/Campsite Reservation Fee	<del>9.00</del>	<u>10.00</u>	10.00



**SCHEDULE OF RATES AND CHARGES TO CUSTOMERS  
OF THE EAST BAY MUNICIPAL UTILITY DISTRICT**

	<u>Current CY15</u>	<u>Proposed CY16</u>	<u>Proposed CY17</u>
<b>PARDEE RECREATION AREA (continued)</b>			
<b>STANDARD CAMPSITE (w/vehicle parking)</b>			
Nightly	24.00	26.00	28.00
Second Car Parking	12.00	10.00	10.00
Weekly	144.00	156.00	168.00
Second Car Parking	72.00	60.00	60.00
<b>PREMIUM CAMPSITE (w/vehicle parking)</b>			
Nightly	27.00	29.00	31.00
Weekly	162.00	174.00	186.00
<b>CAMPSITE (walk-in/bicycle parking) (8 person/8 bike maximum)</b>			
Nightly	18.00	20.00	22.00
Weekly	108.00	120.00	132.00
<b>DOUBLE CAMPSITE (16 people/ 2 vehicles)</b>			
Nightly	48.00	50.00	52.00
Third or Fourth Vehicle	12.00	10.00	10.00
<b>RV SITE</b>			
Nightly	33.00	36.00	38.00
Weekly	198.00	216.00	228.00
Monthly	430.00	490.00	500.00
Season	2,350.00	2,850.00	3,050.00
Season – Premium Site	2,650.00	2,950.00	3,150.00
<b>RV/TRAILER/BOAT STORAGE (Excl. park entry)</b>			
Weekly	26.00	20.00	20.00
Monthly	60.00	60.00	60.00
Season	480.00	490.00	490.00
Season – concurrent with season RV Site	430.00	440.00	440.00
<u>12 Month Consecutive</u>	<u>N/A</u>	<u>660.00</u>	660.00
<b>TOWING</b>	80.00	80.00	80.00
<b>RESERVABLE SITE/FACILITY (charges in addition to above fees)</b>			
Small (25 or less persons)	55.00	58.00	60.00
Medium (26-100 persons)	80.00	85.00	90.00
Large (101-150 persons)	110.00	115.00	120.00
Over 150 persons	220.00	225.00	235.00
Café/Pool Day Use Area (refundable deposit)	50.00	50.00	50.00



**PARDEE RESERVOIR - DISCOUNTS, SPECIAL PROGRAMS, LIMITATIONS.**

Concessionaire Employees may 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 to 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/~~Former POW/Disabled Veterans~~ – 50% Discount on annual entry and boat launch fees, and on ~~non-weekend~~, 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 – Free day use and boat launch and 50% discount on non-holiday weekday boat rentals.](#)

Concessionaire or District can issue return coupons for free entry or camping for dissatisfied customers.

Groups participating in volunteer District facility improvement programs receive 50% discount on entry and camping fees.

Campsite charges include one vehicle entry, and RV site charges include a second/tow vehicle.

Monthly and Seasonal RV Park fees include one vehicle entry, but do not include electricity charge. Electricity is metered and charged separately.

Each of the daily charges, except the fishing access permit, shall be valid and effective for the calendar day upon which the charge was made, from one hour before sunrise until one hour after sunset. Fishing access permits are valid until midnight of said day.

Each of the weekly charges shall be valid and effective for the calendar week in which the charge is made, terminating at 1:00 p.m. on the seventh consecutive day of said period.

Each of the nightly charges shall be valid and effective for a period not exceeding 24 consecutive hours and terminating at 1:00 p.m. during said period.

Premium Campsite or Premium RV site is a site that, due to enhanced amenities, waterfront access or other special features, is rented at a higher rate than a standard site.

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.



**SCHEDULE OF RATES AND CHARGES TO CUSTOMERS  
OF THE EAST BAY MUNICIPAL UTILITY DISTRICT**

<b>SAN PABLO RECREATION AREA</b>	<u>Current CY15</u>	<u>Proposed CY16</u>	<u>Proposed CY17</u>
<b>ENTRY AND PARKING – CAR/MOTORCYCLE/SMALL VAN</b>			
Daily	7.00	7.00	7.00
Daily (Special Events)	5.00	5.00	5.00
Season	110.00	110.00	110.00
3-Month Season	36.00	36.00	36.00
<b>ENTRY AND PARKING LARGE VANS AND BUSES</b>			
Large Vans - 10-20 Passengers	22.00	22.00	22.00
Buses – 21+ Passengers	40.00	40.00	40.00
<b>DOG</b>	<del>4.00</del>	<u>2.00</u>	2.00
<b>COMMERCIAL USE (in addition to the base fee noted below, the Director of Water and Natural Resources may set an additional fee to recover District’s direct costs plus overhead.)</b>			
Small (up to 10 people)	120.00	120.00	120.00
Medium (11 to 50 people)	600.00	600.00	600.00
Large (51 to 150 people)	1,200.00	1,200.00	1,200.00
<b>STANDARD BOAT LAUNCH</b>			
Daily	8.00	8.00	8.00
Season (Entry & Boat Launch)	163.00	163.00	163.00
3-Month Season (Entry & Boat)	62.00	62.00	62.00
Boat Inspection Fee	6.00	6.00	6.00
<b>CARTOP BOAT LAUNCH (Float Tube, Kayak, Canoe, Scull)</b>			
Daily	4.00	4.00	4.00
Season (Entry and Cartop Launch)	124.00	124.00	124.00
3-Month Season (Entry & Cartop Launch)	41.00	41.00	41.00
<b>FISHING ACCESS</b>			
Daily	5.00	5.00	5.00
<b>GROUP PICNIC</b>			
Large Sites (Oaks) daily	260.00	260.00	260.00
Large Sites (Pines) daily	<del>260.00</del>	<u>150.00</u>	150.00
<b>GAZEBO</b>	60.00	60.00	60.00
<b>TOWING</b>	<del>65.00</del>	<u>50.00</u>	50.00



**SCHEDULE OF RATES AND CHARGES TO CUSTOMERS  
OF THE EAST BAY MUNICIPAL UTILITY DISTRICT**

<b>SAN PABLO RECREATION AREA (continued) VISITOR CENTER &amp; DECK RENTAL</b>	<u>Current CY15</u>	<u>Proposed CY16</u>	<u>Proposed CY17</u>
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 pm	150.00	150.00	150.00
Events ending after 7:00 pm	350.00	350.00	350.00
<b>WEEKDAY VISITOR CENTER &amp; DECK (8:00am-4:00pm)</b>	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



**SAN PABLO RESERVOIR – Discounts, Special Programs, Limitations.**

Concessionaire employees may receive free entrance to and use of rental boats during off-hours, and a 20% discount on food and merchandise. The dDiscount 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 to 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/~~Former POW/Disabled Veterans~~ – 50% Discount on ~~annual~~seasonal, ~~6-month~~ and 3-month entry and boat launch fees, and on ~~non-weekend~~, 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 – 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 ~~October~~ November (dates selected by concessionaire with District approval).



**SCHEDULE OF RATES AND CHARGES TO CUSTOMERS  
OF THE EAST BAY MUNICIPAL UTILITY DISTRICT**

<b>WATERSHED TRAIL SYSTEM</b>	<u>Current CY15</u>	<u>Proposed CY16</u>	<u>Proposed CY17</u>
<b>WATERSHED TRAILS</b>			
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





**Public Records Act Fee Schedule**

**FY16**





## PUBLIC RECORDS ACT FEE SCHEDULE

### INTRODUCTION

The following Fee Schedule has been established by the ~~East Bay Municipal Utility~~ District to cover the costs for duplicating District documents, drawings, maps, recordings, and other records, as required by the Public Records Act.

~~The East Bay Municipal Utility~~ District offers access to its records upon receipt of a request, ~~that~~ ~~which~~ 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**

(Continued)

**INSPECTION/DELIVERY/PICK UP**

The requestor is entitled to inspect records and/or obtain copies of records during normal business hours (8:00 a.m. to 4:30 p.m., Monday through Friday).

If the requestor wishes records to be delivered, copies will be sent first class mail unless the requestor makes other arrangements for pick up or delivery with the Secretary's Office. Postage will be charged for copies mailed to the requestor.

Federal Express service is available if the requestor supplies a Federal Express account number.

**LEGAL COMPLIANCE OBLIGATIONS**

Responsibility for adherence to copyright law rests with the individual requesting copies.

**CATEGORIES**

This Fee Schedule covers the following categories of document types or formats:

- I. Paper Based Records
  - A. General Business Documents & Engineering Drawings
  - B. Printed Maps
  - C. Bid Documents for Publicly Bid Projects
  
- II. Electronically Stored or Generated Records
  - A. Records that already exist
  - B. Records that do not already exist
  - C. Audio Cassette Tapes
  - D. Compact Disks (CDs)
  - E. Digital Versatile Disks (DVDs)

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



**PUBLIC RECORDS ACT FEE SCHEDULE**  
(Continued)

**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 (~~\$0.51~~ 0.52 per minute duplicating time)  
+ Materials & Equipment Cost (e.g., cost per sheet or media)  
+ Postage (if applicable)**

- **Labor Costs:** Labor costs for duplication time is charged at the rate of \$0.51 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/pg
11 x 17 .....	0.17/pg

**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/pg
------------------	---------



**PUBLIC RECORDS ACT FEE SCHEDULE**  
 (Continued)

**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 EBMUD'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 EBMUD'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 EBMUD'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.



**PUBLIC RECORDS ACT FEE SCHEDULE**  
 (Continued)

Contract Documents are also available for viewing and downloading online at EBMUD’s public website: [www.ebmud.com](http://www.ebmud.com), via the “Business Opportunities” and “Construction Bid Opportunities” Link.

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 requires 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 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 (~~\$0.51~~0.52 per minute duplicating time)  
Materials & Equipment Cost  
+ Postage (if applicable)**

Materials & Equipment costs vary ies 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**  
(Continued)

**2) Maps on Demand**

Cost per copy:

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/pg
- CD	3.05/ea
- DVD	6.35/ea

**B. RECORDS THAT DO NOT ALREADY EXIST**

When a requester seeks records that do not currently exist on the system and requires 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, ~~please note that~~ the District is under no obligation to provide records that do not already exist. Accordingly, the applicable fee is:

**Fee = Labor Cost (~~\$0.96~~ 0.99 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.



**PUBLIC RECORDS ACT FEE SCHEDULE**

(Continued)

This fee also applies when the request requires producing a record outside of the regularly scheduled interval.

**C. AUDIO CASSETTE TAPES**

Regular meetings of the Board of Directors are recorded on audiotape. Copies of tapes are available upon request.

Fee = Labor Cost (~~\$0.51~~ 0.52 per minute duplicating time)  
Cost per tape (90-minute cassette tape = \$1.68/tape)  
+ Postage (if applicable)

**D. COMPACT DISCS (CDs)**

Fee = Labor Cost (~~\$0.51~~ 0.52 per minute duplicating time)  
Cost per disc (CD-R Disc, Write-Once, 700MB, 80 Minute, 52X = \$3.05/disc)  
+ Postage (if applicable)

**E. DIGITAL VERSATILE DISCS (DVDs)**

Fee = Labor Cost (~~\$0.51~~ 0.52 per minute duplicating time)  
Cost per disc (DVD+R, 16X, Single Sided, 4.7 GB/120 Minutes = \$6.35/disc)  
+ Postage (if applicable)



### DISTRICT PUBLICATIONS 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)
  - Teachers 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 and employee ~~39.95~~ 29.95 each
  - Wholesalers up to ~~55~~ 60% discount
  - Vendors up to ~~40~~ 50% discount

**Wastewater Department**

**Schedule A**

**Rates for Treatment Service**

**FY16**





**SCHEDULE OF RATES AND CHARGES TO CUSTOMERS  
OF THE EAST BAY MUNICIPAL UTILITY DISTRICT**

PAGE NUMBER 1-A  
07/01/14  
EFFECTIVE 07/01/15

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

Current

**I. Unit Treatment Rates**

Flow (\$ per 100 cubic ft.)	<del>\$0.787</del>	<u>\$1.033</u>
CODf (\$ per pound of discharge)	<del>0.294</del>	<u>0.306</u>
Suspended Solids (\$ per pound)	<del>0.434</del>	<u>0.447</u>

Unit treatment rates for Flow, Chemical Oxygen Demand filtered (CODf), 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 units & 8800 Single-Family)

A. Service Charge (per account)	<del>\$7.13</del>	<u>5.29</u>
B. Strength Charge (per dwelling unit)	<del>7.20</del>	<u>7.28</u>
Minimum monthly charge per household	<del>14.33</del>	<u>12.57</u>
C. Plus: A flow charge of <del>78.7 cents</del> <u>\$1.04</u> per 100 cubic ft. applied to a maximum of <del>10.9</del> <u>9</u> units (per dwelling unit).		
Minimum monthly charge at 0 units	<del>\$0.00</del>	<u>\$0.00</u>
Maximum monthly charge at <del>10.9</del> <u>9</u> units	<del>7.87</del>	<u>9.36</u>
D. Total Residential Charge (A+B+C above)*		
Minimum monthly charge (for 8800)	<del>\$14.33</del>	<u>\$12.57</u>
Maximum monthly charge (for 8800)	<del>22.20</del>	<u>21.93</u>
Average monthly charge (for 8800)	<del>19.05</del>	<u>18.81</u>

\*Does not include SF Bay Residential Pollution Prevention Fee

**III. Non-Residential Charges**

A. Monthly service charge (per meter)	<del>\$7.13</del>	<u>\$5.29</u>
B. Treatment charge including flow processing (per 100 cubic feet of sewage discharge).		
2010 Meat Products	<del>\$6.32</del>	<u>\$6.78</u>
2011 Slaughterhouses	<del>6.39</del>	<u>6.85</u>
2020 Dairy Product Processing	<del>4.95</del>	<u>5.37</u>
2030 Fruit and Vegetable Canning	<del>3.98</del>	<u>4.36</u>



**SCHEDULE OF RATES AND CHARGES TO CUSTOMERS  
OF THE EAST BAY MUNICIPAL UTILITY DISTRICT**

PAGE NUMBER

1-B

07/01/14

EFFECTIVE

07/01/15

SCHEDULE A  
WASTEWATER DEPARTMENT  
RATES FOR TREATMENT SERVICE

	Current	<u>Proposed</u>
2040 Grain Mills	<del>\$4.11</del>	<u>4.48</u>
2050 Bakeries (including Pastries)	<del>7.13</del>	<u>7.62</u>
2060 Sugar Processing	<del>3.80</del>	<u>4.17</u>
2077 Rendering Tallow	<del>12.95</del>	<u>13.66</u>
2080 Beverage Manufacturing & Bottling	<del>2.90</del>	<u>3.22</u>
2090 Specialty Foods Manufacturing	<del>13.09</del>	<u>13.81</u>
2600 Pulp and Paper Products	<del>3.50</del>	<u>3.85</u>
2810 Inorganic Chemicals Mfgr.	<del>4.74</del>	<u>5.12</u>
2820 Synthetic Material Manufacturing	<del>0.92</del>	<u>1.18</u>
2830 Drug Manufacturing	<del>2.11</del>	<u>2.40</u>
2840 Cleaning and Sanitation Products	<del>4.48</del>	<u>4.87</u>
2850 Paint Manufacturing	<del>8.96</del>	<u>9.51</u>
2893 Ink and Pigment Manufacturing	<del>3.02</del>	<u>3.35</u>
3110 Leather Tanning and Finishing	<del>12.33</del>	<u>13.01</u>
3200 Earthenware Manufacturing	<del>2.49</del>	<u>2.79</u>
3300 Primary Metals Manufacturing	<del>1.92</del>	<u>2.22</u>
3400 Metal Products Fabricating	<del>1.01</del>	<u>1.27</u>
3410 Drum and Barrel Manufacturing	<del>12.44</del>	<u>13.14</u>
3470 Metal Coating	<del>1.12</del>	<u>1.38</u>
4500 Air Transportation	<del>1.51</del>	<u>1.79</u>
5812 Food Service Establishments	<del>4.34</del>	<u>4.71</u>
6513 Apartment Buildings (5 or more units)	<del>1.86</del>	<u>2.36</u>
7000 Hotels, Motels with Food Service	<del>3.09</del>	<u>3.42</u>
7210 Commercial Laundries	<del>2.67</del>	<u>2.98</u>
7215 Coin Operated Laundromats	<del>1.96</del>	<u>2.25</u>
7218 Industrial Laundries	<del>7.73</del>	<u>8.24</u>
7300 Laboratories	<del>1.35</del>	<u>1.62</u>
7542 Automobile Washing and Polishing	<del>1.86</del>	<u>2.15</u>
8060 Hospitals	<del>1.81</del>	<u>2.09</u>
8200 Schools	<del>1.26</del>	<u>1.52</u>
All Other <u>Business Classification Code</u> (includes dischargers of only segregated domestic wastes from sanitary conveniences)	<del>1.86</del>	<u>2.36</u>



SCHEDULE A  
WASTEWATER DEPARTMENT  
RATES FOR TREATMENT SERVICE

Multi-Use Food Service Establishments and Domestic  
Waste Accounts

Accounts identified by EBMUD where there is 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	<u>Proposed</u>
A	0-9% Food, 91-100% Domestic	<del>\$1.860</del>	<u>\$2.36</u>
B	10-19% Food, 81-90% Domestic	<del>2.108</del>	<u>2.60</u>
C	20-29% Food, 71-80% Domestic	<del>2.356</del>	<u>2.83</u>
D	30-39% Food, 61-70% Domestic	<del>2.604</del>	<u>3.07</u>
E	40-49% Food, 51-60% Domestic	<del>2.852</del>	<u>3.30</u>
F	50-59% Food, 41-50% Domestic	<del>3.100</del>	<u>3.54</u>
G	60-69% Food, 31-40% Domestic	<del>3.348</del>	<u>3.77</u>
H	70-79% Food, 21-30% Domestic	<del>3.596</del>	<u>4.01</u>
I	80-89% Food, 11-20% Domestic	<del>3.844</del>	<u>4.24</u>
J	90-99% Food, 1-10% Domestic	<del>4.092</del>	<u>4.48</u>
K	0-9% Bakery, 91-100% Domestic	<del>1.860</del>	<u>2.36</u>
L	10-19% Bakery, 81-90% Domestic	<del>2.387</del>	<u>2.89</u>
M	20-29% Bakery, 71-80% Domestic	<del>2.914</del>	<u>3.41</u>
N	30-39% Bakery, 61-70% Domestic	<del>3.441</del>	<u>3.94</u>
O	40-49% Bakery, 51-60% Domestic	<del>3.968</del>	<u>4.46</u>
P	50-59% Bakery, 41-50% Domestic	<del>4.495</del>	<u>4.99</u>
Q	60-69% Bakery, 31-40% Domestic	<del>5.022</del>	<u>5.52</u>
R	70-79% Bakery, 21-30% Domestic	<del>5.549</del>	<u>6.04</u>
S	80-89% Bakery, 11-20% Domestic	<del>6.076</del>	<u>6.57</u>
T	90-99% Bakery, 1-10% Domestic	<del>6.603</del>	<u>7.09</u>
Minimum Monthly Treatment Charge:			
6513	Apartment Buildings (5 or more units)	<del>\$36.00</del>	<u>\$41.69</u>
	All Others	<del>7.20</del>	<u>5.29</u>





**Wastewater Department**

**Schedule D**

**Other Fees**

**FY16**





SCHEDULE D  
WASTEWATER DEPARTMENT  
OTHER FEES

TYPE	RATE
SF Bay Commercial Pollution Prevention Fee	\$5.48/Month <sup>(a)</sup>
SF Bay Residential Pollution Prevention Fee	\$0.20/mo per dwelling unit <sup>(b)</sup>
Monitoring Fees	<del>\$1,070</del> <u>\$1,180</u>
Violation Follow-Up Fees	
Stage 1	\$670
Stage 2	\$1,410 + <u>Testing Fees</u> <sup>(c)</sup>
Stage 3	\$2,950 + <u>Testing Fees</u> <sup>(c)</sup>
Private Sewer Lateral Compliance Fees	
Compliance Certificate	\$225
Time Extension Certificate	\$93
Inspection Reschedule	\$73
Extra Lateral or Additional Verification Test	\$66 per lateral
Off-Hours Verification	\$200 for 2.5 hours
Non-Compliance – Initial Fee	\$350
Non-Compliance – Monthly Fee	\$87

- (a) SF Bay Commercial Pollution Prevention Fee applicable to all non-residential accounts.
- (b) SF Bay Residential Pollution Prevention Fee applicable to all residential accounts. Fee will be charged per dwelling unit up to 5 dwelling units.
- (c) Violation follow-up fees do not include required testing. Testing fees will be charged in accordance with Schedule E Wastewater Department Testing Fees.



**Wastewater Department**

**Schedule F**

**Wet Weather Facilities Charge**

**FY16**





**SCHEDULE OF RATES AND CHARGES TO CUSTOMERS  
OF THE EAST BAY MUNICIPAL UTILITY DISTRICT**

PAGE NUMBER

6-A

~~07/01/14~~

EFFECTIVE

07/01/15

SCHEDULE F

WET WEATHER FACILITIES CHARGE

Annual Charge Collected on Property Tax Bill

TYPE	RATE
<del>Single-Family Residential</del> <u>Small Lot (0-5,000 sq ft)</u>	<del>\$89.34</del> <u>\$89.62</u>
<del>Multi-Family Residential</del> <u>Medium Lot (5,001-10,000 sq ft)</u>	<del>\$89.34 per dwelling unit*</del> <u>\$140.00</u>
<del>All Others</del> <u>Large Lot (&gt;10,000 sq ft)</u>	<del>\$134.00</del> <u>\$320.00</u>

~~\*up to a maximum of 5 dwelling units.~~





**Wastewater Department**

**Schedule G**

**Capacity Fees**

**FY16**





SCHEDULE G  
WASTEWATER DEPARTMENT  
CAPACITY FEES

TABLE 1

Residential (\$/dwelling unit) <sup>1,5</sup>		\$1,607 <sup>2</sup>	\$1,860 <sup>2</sup>
Non-Residential (\$/ccf/mo) <sup>3,5</sup>			
2010	Meat Products	\$704	\$856
2011	Slaughterhouses	737	862
2020	Dairy Product Processing	563	679
2030	Fruit and Vegetable Canning	462	553
2040	Grain Mills	485	568
2050	Bakeries (including Pastries)	809	959
2060	Sugar Processing	434	531
2077	Rendering Tallow	1,471	1707
2080	Beverage Manufacturing & Bottling	343	413
2090	Specialty Foods Manufacturing	1,426	1733
2600	Pulp and Paper Products	419	489
2810	Inorganic Chemicals Manufacturing	567	647
2820	Synthetic Material Manufacturing	137	157
2830	Drug Manufacturing	261	311
2840	Cleaning and Sanitation Products	515	618
2850	Paint Manufacturing	1,002	1195
2893	Ink and Pigment Manufacturing	355	429
3110	Leather Tanning and Finishing	1,359	1633
3200	Earthenware Manufacturing	312	358
3300	Primary Metals Manufacturing	249	285
3400	Metal Products Fabricating	146	169
3410	Drum and Barrel Manufacturing	1,362	1648
3470	Metal Coating	158	182
4500	Air Transportation	200	233
5812	Food Service Establishments	514	598
7000	Hotels, Motels with Food Service	378	436
7210	Commercial Laundries	324	382
7215	Coin Operated Laundromats	248	291
7218	Industrial Laundries	858	1039



SCHEDULE G  
WASTEWATER DEPARTMENT  
CAPACITY FEES  
(Continued)

7300	Laboratories	\$182	<u>212</u>
7542	Automobile Washing and Polishing	238	<u>277</u>
8060	Hospitals	234	<u>271</u>
8200	Schools	173	<u>200</u>
	All Other <u>Business Classification Codes</u> (includes dischargers of only segregated domestic wastes from sanitary conveniences)	240	<u>278</u>

Permit Accounts<sup>6</sup>

Flow (\$/ccf/mo)	\$121.97	<u>139.19</u>
<u>Chemical Oxygen Demand Filtered (CODF)</u> (\$/lb/mo)	30.34	<u>38.20</u>
<u>Total Suspended Solids (TSS)</u> (\$/lb/mo)	48.77	<u>55.41</u>

<sup>1</sup> Includes BCC 6514 and 8800.

<sup>2</sup> Residential fee is calculated as follows:

Flow:	6.7	x	\$121.97	\$139.19	=	\$817	<u>\$933</u>
CODF:	7.9	x	30.34	<u>38.20</u>	=	240	<u>302</u>
TSS:	11.29	x	48.77	<u>55.41</u>	=	550	<u>625</u>
						\$1,607	<u>\$1,860</u>

<sup>3</sup> Capacity Fee is based on the anticipated maximum monthly flow contributions multiplied by 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.

<sup>4</sup> For 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.



SCHEDULE G

WASTEWATER DEPARTMENT  
CAPACITY FEES  
(Continued)

<sup>5</sup>A credit may be provided for existing services. Where a new service will replace one or more existing or prior services to a premise where a capacity fee was paid, a credit will be given toward the new capacity fee demand and based on the previous capacity unit paid or if the existing service had not paid a capacity fee but in service since July 1, 1987 then the credit is based on historic use contributions.

<sup>6</sup> Total fee is a summation of the unit rates for flow, CODF, and TSS times permit conditions at the time of application.



# RECOMMENDED SCHEDULES OF RATES, CHARGES AND FEES

FY17

## Water System

Schedule A – Rate Schedule for Water Service

Schedule L – Drought Surcharge Rate Schedule for Water Service

## Wastewater System

Schedule A – Rates for Treatment Service

Schedule D – Other Fees

Schedule F – Wet Weather Facilities Charge





**Schedule A**

**Rate Schedule for Water Service**

**FY17**





SCHEDULE A

RATE SCHEDULE FOR WATER SERVICE

**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 meters .....	<del>\$19.34</del>	<u>\$20.69</u>
1 inch meter .....	<del>29.20</del>	<u>31.24</u>
1-1/2 inch meter .....	<del>53.88</del>	<u>57.65</u>
2 inch meter .....	<del>83.48</del>	<u>89.32</u>
3 inch meter .....	<del>162.42</del>	<u>173.79</u>
4 inch meter .....	<del>251.24</del>	<u>268.83</u>
6 inch meter .....	<del>497.92</del>	<u>532.77</u>
8 inch meter .....	<del>793.95</del>	<u>849.53</u>
10 inch meter .....	<del>1,139.32</del>	<u>1,219.07</u>
12 inch meter .....	<del>1,583.38</del>	<u>1,694.22</u>
14 inch meter .....	<del>2,027.42</del>	<u>2,169.34</u>
16 inch meter .....	<del>2,570.15</del>	<u>2,750.06</u>
18 inch meter .....	<del>3,112.86</del>	<u>3,330.76</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

**A. ONE MONTH BILLING (Continued)**

SECOND - A WATER FLOW CHARGE FOR WATER DELIVERED based on one month meter readings for all water delivered per 100 cu. ft.:

	WATER FLOW CHARGE PER 100 CU. FT.	
<u>Potable Water Service</u>		
Single Family Residential Accounts:		
For the first 172 gpd	<del>\$2.95</del>	<u>\$3.16</u>
For all water used in excess of 172 gpd, up to 393 gpd	<del>4.06</del>	<u>4.34</u>
For all water used in excess of 393 gpd	<del>5.36</del>	<u>5.74</u>
Multiple Family Residential Accounts:		
For all water used	<del>4.17</del>	<u>4.46</u>
All Other Water Use:		
For all water used	<del>4.15</del>	<u>4.44</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.

	WATER FLOW CHARGE PER 100 CU. FT.	
<u>Nonpotable Water Service</u>		
For all water used	<del>\$3.23</del>	<u>\$3.46</u>



SCHEDULE A

RATE SCHEDULE FOR WATER SERVICE

**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 meters .....	<del>\$38.68</del>	<u>\$41.38</u>
1 inch meter .....	<del>58.40</del>	<u>62.48</u>
1-1/2 inch meter .....	<del>107.76</del>	<u>115.30</u>
2 inch meter .....	<del>166.96</del>	<u>178.64</u>
3 inch meter .....	<del>324.84</del>	<u>347.58</u>
4 inch meter .....	<del>502.48</del>	<u>537.66</u>
6 inch meter .....	<del>995.84</del>	<u>1,065.54</u>
8 inch meter .....	<del>1,587.90</del>	<u>1,699.06</u>
10 inch meter .....	<del>2,278.64</del>	<u>2,438.14</u>
12 inch meter .....	<del>3,166.76</del>	<u>3,388.44</u>
14 inch meter .....	<del>4,054.84</del>	<u>4,338.68</u>
16 inch meter .....	<del>5,140.30</del>	<u>5,500.12</u>
18 inch meter .....	<del>6,225.72</del>	<u>6,661.52</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

**B. TWO MONTH BILLING (Continued)**

SECOND - A WATER FLOW CHARGE FOR WATER DELIVERED based on two month meter readings for all water delivered per 100 cu. ft.

WATER FLOW  
CHARGE PER  
100 CU. FT.

Potable Water Service

Single Family Residential Accounts:

For the first 172 gpd	<del>\$2.95</del>	<u>\$3.16</u>
For all water used in excess of 172 gpd, up to 393 gpd	<del>4.06</del>	<u>4.34</u>
For all water used in excess of 393 gpd	<del>5.36</del>	<u>5.74</u>

Multiple Family Residential Accounts:

For all water used	<del>4.17</del>	<u>4.46</u>
--------------------	-----------------	-------------

All Other Water Use:

For all water used	<del>4.15</del>	<u>4.44</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.

WATER FLOW  
CHARGE PER  
100 CU. FT.

Nonpotable Water Service

For all water used	<del>\$3.23</del>	<u>\$3.46</u>
--------------------	-------------------	---------------



**SCHEDULE A**

**RATE SCHEDULE FOR WATER SERVICE**

**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 \$1500; such account 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 \$1500, and the customer service manager recommends monthly billing based on an evaluation of credit and/or collection problems.

**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 meters .....	<del>\$10.29</del>	<u>\$11.01</u>
1 inch meter .....	<del>14.13</del>	<u>15.12</u>
1-1/2 inch meter .....	<del>23.70</del>	<u>25.36</u>
2 inch meter .....	<del>35.20</del>	<u>37.66</u>
3 inch meter .....	<del>65.86</del>	<u>70.47</u>
4 inch meter .....	<del>100.34</del>	<u>107.36</u>
6 inch meter .....	<del>196.14</del>	<u>209.87</u>
8 inch meter .....	<del>311.09</del>	<u>332.87</u>
10 inch meter .....	<del>445.21</del>	<u>476.37</u>
12 inch meter .....	<del>617.63</del>	<u>660.86</u>
14 inch meter .....	<del>790.07</del>	<u>845.37</u>
16 inch meter .....	<del>1,000.83</del>	<u>1,070.89</u>
18 inch meter .....	<del>1,211.58</del>	<u>1,296.39</u>



SCHEDULE A

RATE SCHEDULE FOR WATER SERVICE

**D. PRIVATE FIRE SERVICES (Continued)**

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 100 cu. ft.:

There shall be no charge for water used through such services extinguishing accidental fires, but any water lost through leakage or used in violation of the District's Regulations shall be paid for at the rate for general use, and may be subject to a penalty as may be established by the District.

**E. ELEVATION SURCHARGE**

Elevation Designator	AMOUNT PER 100 CU. FT.	
0 and 1	<del>\$0.00</del>	<u>\$0.00</u>
2 through 5	<del>0.60</del>	<u>0.64</u>
6 and greater	<del>1.24</del>	<u>1.33</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 L**

**Drought Surcharge Rate Schedule  
for Water Service**

**FY17**





SCHEDULE L

DROUGHT SURCHARGE RATE SCHEDULE FOR WATER SERVICE

The following amounts will be charged in addition to rates shown in Schedule A for all water delivered during the declared drought stage for billing cycles that are billed on or after July 1, ~~2015~~2016.

**A TEMPORARY SURCHARGE FOR POTABLE WATER DELIVERED based on one month or two month meter readings for all water delivered per 100 cu. ft.:**

MONTHLY DROUGHT SURCHARGES WATER FLOW CHARGE PER 100 CU. FT.				
	Maximum Applicable Drought Surcharge in 4 Stages			
Single-Family Residential Accounts	1	2	3	4
For the first 172 gpd	\$0.00	<del>0.23</del> <u>0.25</u>	<del>0.59</del> <u>0.63</u>	<del>0.73</del> <u>0.79</u>
For all water used in excess of 172 gpd, up to 393 gpd	0.00	<del>0.31</del> <u>0.33</u>	<del>0.79</del> <u>0.85</u>	<del>0.99</del> <u>1.07</u>
For all water used in excess of 393 gpd	0.00	<del>0.40</del> <u>0.43</u>	<del>1.03</del> <u>1.12</u>	<del>1.30</del> <u>1.40</u>
Multi-Family Residential	0.00	<del>0.32</del> <u>0.34</u>	<del>0.81</del> <u>0.88</u>	<del>1.02</del> <u>1.10</u>
All Other Accounts	0.00	<del>0.32</del> <u>0.34</u>	<del>0.81</del> <u>0.87</u>	<del>1.01</del> <u>1.09</u>



**Wastewater Department**

**Schedule A**

**Rates for Treatment Service**

**FY17**





**SCHEDULE OF RATES AND CHARGES TO CUSTOMERS  
OF THE EAST BAY MUNICIPAL UTILITY DISTRICT**

PAGE NUMBER 1-A  
07/01/15  
EFFECTIVE 07/01/16

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

Current

**I. Unit Treatment Rates**

Flow (\$ per 100 cubic ft.)	<del>\$1.033</del>	<u>\$1.085</u>
CODf (\$ per pound of discharge)	<del>0.306</del>	<u>0.321</u>
Suspended Solids (\$ per pound)	<del>0.447</del>	<u>0.469</u>

Unit treatment rates for Flow, Chemical Oxygen Demand filtered (CODf), 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 units & 8800 Single-Family)

A. Service Charge (per account)	<del>5.29</del>	<u>5.55</u>
B. Strength Charge (per dwelling unit)	<del>7.28</del>	<u>7.64</u>
Minimum monthly charge per household	<del>12.57</del>	<u>13.19</u>
C. Plus: A flow charge of <del>\$1.04</del> <u>1.09</u> per 100 cubic ft. applied to a maximum of 9 units (per dwelling unit).		
Minimum monthly charge at 0 units	<del>\$0.00</del>	<u>\$0.00</u>
Maximum monthly charge at 9 units	<del>9.36</del>	<u>9.81</u>
D. Total Residential Charge (A+B+C above)*		
Minimum monthly charge (for 8800)	<del>\$12.57</del>	<u>\$13.19</u>
Maximum monthly charge (for 8800)	<del>21.93</del>	<u>23.00</u>
Average monthly charge (for 8800)	<del>18.84</del>	<u>19.73</u>

\*Does not include SF Bay Residential Pollution Prevention Fee

**III. Non-Residential Charges**

A. Monthly service charge (per meter)	<del>\$5.29</del>	<u>\$5.55</u>
B. Treatment charge including flow processing (per 100 cubic feet of sewage discharge).		
2010 Meat Products	<del>\$6.78</del>	<u>\$7.12</u>
2011 Slaughterhouses	<del>6.85</del>	<u>7.19</u>
2020 Dairy Product Processing	<del>5.37</del>	<u>5.64</u>
2030 Fruit and Vegetable Canning	<del>4.36</del>	<u>4.58</u>



**SCHEDULE OF RATES AND CHARGES TO CUSTOMERS  
OF THE EAST BAY MUNICIPAL UTILITY DISTRICT**

PAGE NUMBER

1-B

07/01/15

EFFECTIVE

07/01/16

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

	Current	<u>Proposed</u>
2040 Grain Mills	4.48	<u>4.70</u>
2050 Bakeries (including Pastries)	7.62	<u>8.00</u>
2060 Sugar Processing	4.17	<u>4.38</u>
2077 Rendering Tallow	13.66	<u>14.34</u>
2080 Beverage Manufacturing & Bottling	3.22	<u>3.38</u>
2090 Specialty Foods Manufacturing	13.81	<u>14.50</u>
2600 Pulp and Paper Products	3.85	<u>4.04</u>
2810 Inorganic Chemicals Mfgr.	5.12	<u>5.38</u>
2820 Synthetic Material Manufacturing	1.18	<u>1.24</u>
2830 Drug Manufacturing	2.40	<u>2.52</u>
2840 Cleaning and Sanitation Products	4.87	<u>5.11</u>
2850 Paint Manufacturing	9.51	<u>9.99</u>
2893 Ink and Pigment Manufacturing	3.35	<u>3.52</u>
3110 Leather Tanning and Finishing	13.01	<u>13.66</u>
3200 Earthenware Manufacturing	2.79	<u>2.93</u>
3300 Primary Metals Manufacturing	2.22	<u>2.33</u>
3400 Metal Products Fabricating	1.27	<u>1.33</u>
3410 Drum and Barrel Manufacturing	13.14	<u>13.80</u>
3470 Metal Coating	1.38	<u>1.45</u>
4500 Air Transportation	1.79	<u>1.88</u>
5812 Food Service Establishments	4.71	<u>4.95</u>
6513 Apartment Buildings (5 or more units)	2.36	<u>2.48</u>
7000 Hotels, Motels with Food Service	3.42	<u>3.59</u>
7210 Commercial Laundries	2.98	<u>3.13</u>
7215 Coin Operated Laundromats	2.25	<u>2.36</u>
7218 Industrial Laundries	8.24	<u>8.65</u>
7300 Laboratories	1.62	<u>1.70</u>
7542 Automobile Washing and Polishing	2.15	<u>2.26</u>
8060 Hospitals	2.09	<u>2.19</u>
8200 Schools	1.52	<u>1.60</u>
All Other Business Classification Code (includes dischargers of only segregated domestic wastes from sanitary conveniences)	2.36	<u>2.48</u>





SCHEDULE A  
WASTEWATER DEPARTMENT  
RATES FOR TREATMENT SERVICE

Multi-Use Food Service Establishments and Domestic Waste  
Accounts

Accounts identified by EBMUD where there is 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	<u>Proposed</u>
A	0-9% Food, 91-100% Domestic	<del>\$2.36</del>	<u>\$2.48</u>
B	10-19% Food, 81-90% Domestic	<del>2.60</del>	<u>2.73</u>
C	20-29% Food, 71-80% Domestic	<del>2.83</del>	<u>2.97</u>
D	30-39% Food, 61-70% Domestic	<del>3.07</del>	<u>3.22</u>
E	40-49% Food, 51-60% Domestic	<del>3.30</del>	<u>3.47</u>
F	50-59% Food, 41-50% Domestic	<del>3.54</del>	<u>3.72</u>
G	60-69% Food, 31-40% Domestic	<del>3.77</del>	<u>3.96</u>
H	70-79% Food, 21-30% Domestic	<del>4.01</del>	<u>4.21</u>
I	80-89% Food, 11-20% Domestic	<del>4.24</del>	<u>4.46</u>
J	90-99% Food, 1-10% Domestic	<del>4.48</del>	<u>4.70</u>
K	0-9% Bakery, 91-100% Domestic	<del>2.36</del>	<u>2.48</u>
L	10-19% Bakery, 81-90% Domestic	<del>2.89</del>	<u>3.03</u>
M	20-29% Bakery, 71-80% Domestic	<del>3.41</del>	<u>3.58</u>
N	30-39% Bakery, 61-70% Domestic	<del>3.94</del>	<u>4.14</u>
O	40-49% Bakery, 51-60% Domestic	<del>4.46</del>	<u>4.69</u>
P	50-59% Bakery, 41-50% Domestic	<del>4.99</del>	<u>5.24</u>
Q	60-69% Bakery, 31-40% Domestic	<del>5.52</del>	<u>5.79</u>
R	70-79% Bakery, 21-30% Domestic	<del>6.04</del>	<u>6.34</u>
S	80-89% Bakery, 11-20% Domestic	<del>6.57</del>	<u>6.90</u>
T	90-99% Bakery, 1-10% Domestic	<del>7.09</del>	<u>7.45</u>
Minimum Monthly Treatment Charge:			
6513	Apartment Buildings (5 or more units)	<del>\$41.69</del>	<u>\$43.75</u>
	All Others	<del>5.29</del>	<u>5.55</u>



**Wastewater Department**

**Schedule D**

**Other Fees**

**FY17**





SCHEDULE D

WASTEWATER DEPARTMENT  
OTHER FEES

TYPE	RATE
SF Bay Commercial Pollution Prevention Fee	\$5.48/Mo <sup>(a)</sup>
SF Bay Residential Pollution Prevention Fee	\$0.20/mo per dwelling unit <sup>(b)</sup>
Monitoring Fees	<del>\$1,180</del> <u>\$1,300</u>
Violation Follow-Up Fees  Stage 1 Stage 2 Stage 3	  \$670 \$1,410 + Testing Fees <sup>(c)</sup> \$2,950 + Testing Fees <sup>(c)</sup>
Private Sewer Lateral Compliance Fees  Compliance Certificate Time Extension Certificate Inspection Reschedule Extra Lateral or Additional Verification Test Off-Hours Verification Non-Compliance – Initial Fee Non-Compliance – Monthly Fee	  \$225 \$93 \$73 \$66 per lateral \$200 for 2.5 hours \$350 \$87

- (a) SF Bay Commercial Pollution Prevention Fee applicable to all non-residential accounts.
- (b) SF Bay Residential Pollution Prevention Fee applicable to all residential accounts. Fee will be charged per dwelling unit up to 5 dwelling units.
- (c) Violation follow-up fees do not include required testing. Testing fees will be charged in accordance with Schedule E Wastewater Department Testing Fees.



**Wastewater Department**

**Schedule F**

**Wet Weather Facilities Charge**

**FY17**







SCHEDULE F

WET WEATHER FACILITIES CHARGE

Annual Charge Collected on Property Tax Bill

TYPE	RATE
Small Lot (0-5,000 sq ft)	<del>\$89.62</del> <u>94.10</u>
Medium Lot (5,001-10,000 sq ft)	<del>\$140.00</del> <u>147.00</u>
Large Lot (>10,000 sq ft)	<del>\$320.00</del> <u>336.00</u>

