



FINAL
Sewer Service Charges Study

Prepared for
Rodeo Sanitary District, California
April 2024

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List of Abbreviations

BOD	Biochemical Oxygen Demand
hcf	Hundred Cubic Feet (equal to ~ 748.1 gallons)
CCI	Construction Cost Index
CIP	Capital Improvement Program
District	Rodeo Sanitary District
EBMUD	East Bay Municipal Utility District
ENR	Engineering News Record
FY	Fiscal year (July 1 to June 30)
FY25	July 1, 2024 to June 30, 2025
gpd	Gallons per Day
HCF	Hundred Cubic Feet (equal to ~ 748.1 gallons)
RSD	Rodeo Sanitary District
NPDES	National Pollutant Discharge Elimination System
O&M	Operation and Maintenance
SOI	Sphere of Influence
SSC	Sewer Service Charge
SRF	State Revolving Fund
TSS	Total Suspended Solids
WPCP	Water Pollution Control Plant

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Executive Summary

In January 2024, the Rodeo Sanitary District (RSD or District) contracted with Pavletic Consulting LLC to evaluate sewer service charges and recommend a revised schedule of sewer service charges. Sewer service charges are intended to recover revenues sufficient to adequately fund sewer utility operations, maintenance, and capital replacement expenditures; while meeting debt service obligations, maintaining a prudent level of reserves, and keeping rates as competitive as possible.

Projected Cash Flow and Revenue Required from SSCs

Revenue required from sewer service charges for each projected fiscal year is arrived at by increasing annual revenue from sewer service charges so that total annual income plus the cash beginning balance and loan disbursements covers total annual expenditures and leaves an ending balance that exceeds target values for operations, capital asset, and debt service reserves. The debt service coverage ratio must also meet covenant restrictions.

The recommended increases in sewer service charges for FY25 – FY29 increases revenue from those charges from approximately \$19,200,000 to \$24,600,000 – an increase of approximately \$5,400,000. Income, expenditures, and fund balances are summarized for FY25 – FY29 in Table ES-1 (all values are rounded) with comments added to provide important information. A more detailed summary is shown in Table ES-2 and in Section 3 (Revenue Required from Sewer Service Charges).

Table ES-1. Cash Flow Summary for FY25 – FY29		
Income Sources		
Sewer Service Charges	\$24,590,000	8% inc. FY25 and FY26; 9% inc. FY27, FY28, and FY29
Ad Valorem Tax Revenue	2,520,000	estimated 2% inc. per year FY25-FY29
Other Income	980,000	Franchise Fee, Capacity Charges, Misc.
<u>Debt Issue Disbursements</u>	<u>5,350,000</u>	\$1.85M (FY25), \$1.75M (FY26), \$1.75M (FY28)
Total Income	\$33,440,000	
Expenditures		
Operating Expenditures	\$17,870,000	57% from Add 2 FTEs and Large % inc. in Chemicals, Elec., Insurance
Loan Payments	5,960,000	\$16M SRF existing plus \$1.85M (FY25), \$1.75M (FY26), \$1.75M (FY28)
<u>Capital Improvement Program</u>	<u>7,020,000</u>	Funding: \$5.35M loans; \$1.67M SSC ratepayers
Total Expenditures	\$30,850,000	
Income less Expenditures		
Total Income	\$33,440,000	From above
<u>Total Expenditures</u>	<u>30,850,000</u>	From above
Income less Expenditures	\$2,590,000	Revenue added to fund balance
Change in Fund Balance		
Beginning FY25 Fund Balance	\$2,770,000	\$2.0M Capital Asset reserve spent on capital improvement program
<u>Ending FY29 Fund Balance</u>	<u>5,380,000</u>	Fund balance exceeds Total Reserves Target in FY29
Five-Year Change in Fund Balance	\$2,610,000	Increase in fund balance ≈ Income less Expenditures (w/rounding)
Target Reserves		
Operating	\$1,930,000	Operating reserve met in all years
Capital Asset	2,000,000	Capital Asset reserve not met until FY29
<u>Debt Service</u>	<u>1,390,000</u>	Debt Service reserve met in all years
Total Reserves Target	\$5,320,000	All reserves met in FY29; Compare to FY29 Ending Balance

The target balance for the first four projected fiscal years (FY25 – FY28) includes the operating and debt service reserve components – the Capital Asset reserve component is excluded because the \$2,000,000 reserve amount is used to fund the District’s \$7,017,500 Capital Improvement Program. In FY29 – the fifth projected fiscal year – the target balance includes the Capital Asset reserve component. The ending fund balance for FY29 exceeds the combined target for all three reserve components.

The projected revenue required from sewer service charges – approximately \$24,600,000 – is achieved with annual increases of 8% in FY25 and FY26 followed by three years of 9% increases.

Table ES-2. Cash Flow Details								
	Actual FY23	Forecast FY24	Projected					FY25 - FY29
			FY25	FY26	FY27	FY28	FY29	
Beginning Balance, July 1	2,717,485	2,903,834	2,773,724	3,204,218	3,398,485	3,410,577	4,400,932	
Income	SSC Revenue Inc >		8.0%	8.0%	9.0%	9.0%	9.0%	
Sewer Service Charges	3,370,582	3,834,350	4,141,098	4,472,386	4,874,900	5,313,641	5,791,869	24,593,894
Ad Valorem Tax Revenue	485,220	490,072	494,973	499,922	504,922	509,971	515,071	2,524,858
Other Income	<u>247,006</u>	<u>137,000</u>	<u>174,400</u>	<u>236,848</u>	<u>239,345</u>	<u>161,892</u>	<u>164,490</u>	<u>976,975</u>
Total Income	4,102,807	4,461,422	4,810,471	5,209,156	5,619,167	5,985,504	6,471,429	28,095,727
Operating Expenditures	2,496,343	2,903,664	3,211,860	3,478,094	3,598,893	3,724,467	3,855,040	17,868,354
Loan Payments	955,617	955,617	955,617	1,106,794	1,250,683	1,250,683	1,394,571	5,958,347
Capital Improvement Program	<u>464,498</u>	<u>732,250</u>	<u>2,062,500</u>	<u>2,180,000</u>	<u>757,500</u>	<u>1,770,000</u>	<u>247,500</u>	<u>7,017,500</u>
Total Expenditures	3,916,458	4,591,531	6,229,977	6,764,889	5,607,075	6,745,149	5,497,111	30,844,201
Loan Disbursements	0	0	1,850,000	1,750,000	0	1,750,000	0	5,350,000
Ending Balance, June 30	2,903,834	2,773,724	3,204,218	3,398,485	3,410,577	4,400,932	5,375,250	
Target Balance (Op+Capital+Debt Reserves)	4,453,423	4,697,815	4,561,547	4,845,841	5,050,129	5,112,916	5,322,091	
Target Balance (Op+Debt Reserves)	2,453,423	2,697,815	2,561,547	2,845,841	3,050,129	3,112,916	3,322,091	
Debt Service Coverage Ratio	1.68x	1.63x	1.67x	1.56x	1.62x	1.81x	1.88x	

Note: Target Balance values in red highlight indicate that the Ending Balance value is less than the Target Balance.

Updated Nonresidential Use Categories

Customer characteristics for flow, BOD and TSS were evaluated to ensure that those characteristics approximately represent the volume of wastewater and pounds of conventional pollutants (BOD and TSS) entering the District’s Water Pollution Control Plant and represent the approximate amount of volume and pounds of BOD and TSS generated by each customer or customer class connected to the District’s wastewater system.

The recommended nonresidential customer class groups and existing nonresidential customer classes are summarized in the table below. The range of current sewer service charges in each group is also listed.

Table ES-3. Current Nonresidential Customer Classes and Recommended Nonresidential Groups							
New Strength Group	Current Customer Classes	Number of Accounts	New Customer Groups				Range of Current Sewer Service Charges
			BOD mg/L	TSS mg/L	BOD + TSS, mg/L	BOD + TSS Range for Customer Class	
Group 1	Churches, Schools/Day Care/Rec.	18	230	235	465	0 to 600	\$7.24 to \$7.70
Group 2	Laundromat, Commercial Professional, Hospitals/Clinics, Bars w/o Dining, Gasoline/Service/Wrecking	38	350	375	725	601 to 1100	\$9.34 to \$11.80
Group 3	Commercial Laundries, Restaurants/Food Service, Food Markets w/Bakery/Deli, Bakeries	5	900	800	1700	1101 to 1900	\$19.57 to \$20.54

Recommended Sewer Service Charges

The recommended sewer service charges incorporate the combined impact of 1) updated customer characteristics (for flow, BOD, and TSS); 2) reduced number of nonresidential customer classes and number of separate rates from nine to three; 3) replacement of the annual minimum charge with a monthly account charge; 4) increased annual revenue requirements; and 5) meeting all target reserve goals by FY29. Recommended sewer service charges and unit costs for flow, BOD and TSS, are shown in the table below. For FY25, note the difference between the annual percent increase in revenue requirements and the annual percent increases in the various rates. The differences reflect the combined impact of the five changes in development of SSCs.

Table ES-4. Current and Recommended Sewer Service Charges							
Customer Class		Current	Recommended				
		FY24	FY25	FY26	FY27	FY28	FY29
Revenue Required from SSCs							
Annual, Dollars		\$3,834,000	\$4,141,098	\$4,472,386	\$4,874,900	\$5,313,641	\$5,791,869
Annual Increase, Dollars			\$307,098	\$331,288	\$402,515	\$438,741	\$478,228
Annual Increase, Percent			8.0%	8.0%	9.0%	9.0%	9.0%
Sewer Service Charges							
Residential (per dwelling unit)		\$1,165.62	\$1,272.00	\$1,368.00	\$1,488.00	\$1,620.00	\$1,776.00
Nonresidential	<i>Recommended</i>						
Volume-based charges (per hcf)	<u>BOD + TSS Group</u>						
Churches	Group 1	\$7.24	\$8.65	\$9.35	\$10.19	\$11.10	\$12.10
Schools/Day Care/Rec.	Group 1	\$7.70	\$8.65	\$9.35	\$10.19	\$11.10	\$12.10
Laundromat	Group 2	\$9.34	\$11.47	\$12.38	\$13.50	\$14.71	\$16.04
Commercial Professional	Group 2	\$10.44	\$11.47	\$12.38	\$13.50	\$14.71	\$16.04
Hospitals/Clinics	Group 2	\$11.14	\$11.47	\$12.38	\$13.50	\$14.71	\$16.04
Bars w/o Dining	Group 2	\$11.24	\$11.47	\$12.38	\$13.50	\$14.71	\$16.04
Gasoline/Service/Wrecking	Group 2	\$11.80	\$11.47	\$12.38	\$13.50	\$14.71	\$16.04
Commercial Laundries	Group 3	\$19.57	\$21.88	\$23.63	\$25.76	\$28.08	\$30.60
Restaurants/Food Service	Group 3	\$20.54	\$21.88	\$23.63	\$25.76	\$28.08	\$30.60
Food Markets w/Bakery/Deli	Group 3	\$20.54	\$21.88	\$23.63	\$25.76	\$28.08	\$30.60
Bakeries	Group 3	\$20.54	\$21.88	\$23.63	\$25.76	\$28.08	\$30.60
Account-based charges (per month)		na	\$44.40	\$48.00	\$51.60	\$56.40	\$62.40
Unit Costs							
Flow	per 1000 gal		\$4.869	\$5.258	\$5.731	\$6.247	\$6.809
BOD	per 1000 pounds		\$1.614	\$1.744	\$1.901	\$2.072	\$2.258
SS	per 1000 pounds		\$1.838	\$1.985	\$2.163	\$2.358	\$2.570
Account/Unit	per Acct/Unit-Mo		\$44.40	\$48.00	\$51.60	\$56.40	\$62.40
Percent Increase							
Residential			9.1%	7.5%	8.8%	8.9%	9.6%
Nonresidential	<i>Recommended</i>						
Volume-based charges (per hcf)	<u>BOD + TSS Group</u>						
Churches	Group 1		19.5%	8.1%	9.0%	8.9%	9.0%
Schools/Day Care/Rec.	Group 1		12.3%	8.1%	9.0%	8.9%	9.0%
Laundromat	Group 2		22.8%	7.9%	9.0%	9.0%	9.0%
Commercial Professional	Group 2		9.9%	7.9%	9.0%	9.0%	9.0%
Hospitals/Clinics	Group 2		3.0%	7.9%	9.0%	9.0%	9.0%
Bars w/o Dining	Group 2		2.0%	7.9%	9.0%	9.0%	9.0%
Gasoline/Service/Wrecking	Group 2		-2.8%	7.9%	9.0%	9.0%	9.0%
Commercial Laundries	Group 3		11.8%	8.0%	9.0%	9.0%	9.0%
Restaurants/Food Service	Group 3		6.5%	8.0%	9.0%	9.0%	9.0%
Food Markets w/Bakery/Deli	Group 3		6.5%	8.0%	9.0%	9.0%	9.0%
Bakeries	Group 3		6.5%	8.0%	9.0%	9.0%	9.0%
Account-based charges (per month)				8.1%	7.5%	9.3%	10.6%
Unit Costs							
Flow				8.0%	9.0%	9.0%	9.0%
BOD				8.0%	9.0%	9.0%	9.0%
SS				8.0%	9.0%	9.0%	9.0%
Account/Unit				8.1%	7.5%	9.3%	10.6%

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Section 1

Introduction

Sewer Service Charges are intended to recover revenues sufficient to adequately fund sewer utility operations, maintenance, and capital replacement expenditures, and meet debt service obligations, while keeping rates as competitive as possible and maintaining a prudent level of reserves.

1.1 Wastewater Management System Description

The Rodeo Sanitary District was formed in 1923 and serves the unincorporated communities of Rodeo and Tormey adjacent to San Pablo Bay. RSD's boundaries include approximately 1.4 square miles and provide sewer service to 2,500 residential and commercial customers. The estimated service population is approximately 10,000.

The District provides wastewater collection, treatment, and disposal services, and contracts for solid waste services with Republic Services in Richmond, California. District facilities include a Water Pollution Control Plant (WPCP), 28 miles of pipeline, and 2 pump stations. Pipelines include approximately 27.2 miles of sanitary sewer pipelines ranging from 6-inch to 24-inch, a 2000-foot 15-inch force main, and an 8000-foot 6-inch force / gravity main that convey wastewater to the District-owned Water Pollution Control Plant (WPCP) in Rodeo.

1.2 Overview of Utility Rate Setting Process

Sewer rate studies classically have three categories of technical analysis – the development of revenue required from rates, the allocation of costs among functional cost categories (cost-of-service analysis) and the design of a rate structure. An overview of the rate-setting analytical steps is shown in Figure 1-1.

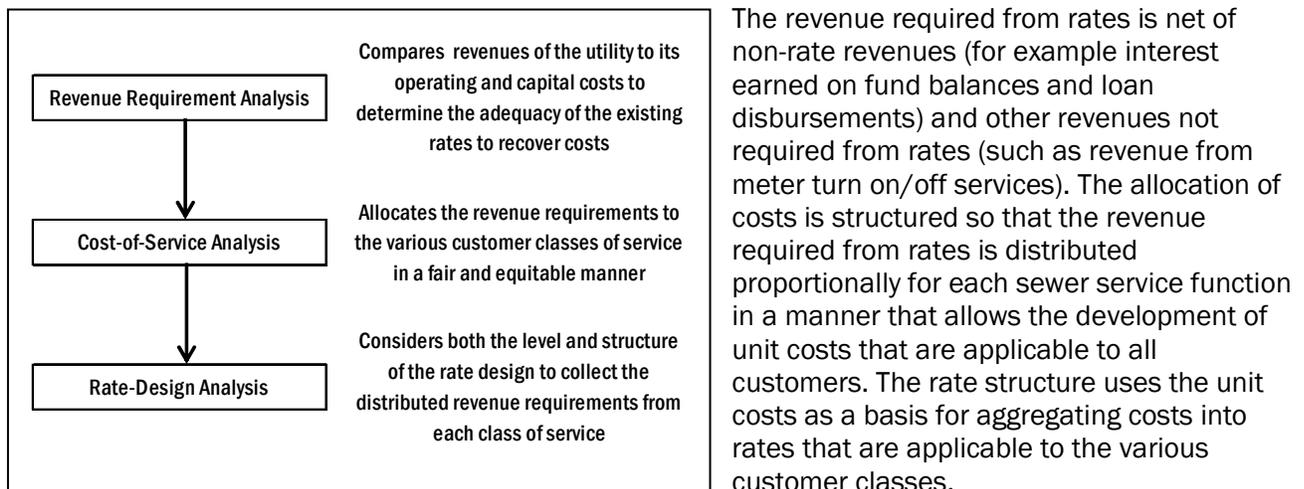


Figure 1-1. Overview of Rate Setting Analytical Steps

1.3 Sewer Service Charges

The District's regulations for current Sewer Service Charges are found in Ordinance No. 2023-100. Based on regulations in the Ordinance, annual Sewer Service Charges for a Residential Dwelling Unit were increased from \$1,031.52 to \$1,165.62 per residential dwelling unit – an increase of 13%. Nonresidential user rates were increased by the same percentage. A list of charges for each customer class and the amount of estimated revenue from each customer class for FY24 is shown in the table below. Nonresidential users are charged a minimum of \$1,165.62.

Table 1-1. Current Sewer Service Charges

Customer Class	Number of Units	Charge	Unit of Measure
Residential	3,158	\$1,165.62	<i>per dwelling unit</i>
Nonresidential			
Churches	10	\$7.24	<i>per hcf</i>
Schools/Day Care/Rec.	8	\$7.70	<i>per hcf</i>
Laundromat	1	\$9.34	<i>per hcf</i>
Commercial Professional	29	\$10.44	<i>per hcf</i>
Hospitals/Clinics	2	\$11.14	<i>per hcf</i>
Bars w/o Dining	1	\$11.24	<i>per hcf</i>
Gasoline/Service/Wrecking	5	\$11.80	<i>per hcf</i>
Commercial Laundries	0	\$19.57	<i>per hcf</i>
Restaurants/Food Service	4	\$20.54	<i>per hcf</i>
Food Markets w/Bakery/Deli	1	\$20.54	<i>per hcf</i>
Bakeries	0	\$20.54	<i>per hcf</i>
Mixed Use Parcels	2	<i>determined by RSD</i>	
Totals	3,221		

Customers on parcels with mixed use (a combination of residential and nonresidential customer classes sharing one water meter) are charged according to the provisions of Ordinance No. 2022-200. This Ordinance reads, in part: "For multiple user types serviced by a single water meter, customers will pay a proportionate charge based on their water use, the square footage they occupy, and the relative strength of the wastewater as set forth in the flow factor in Exhibit A. The minimum charge is equivalent to one residential unit."

The District uses the Contra Costa County Tax Rolls as the primary method of collection of the Sewer Service Charge on an annual basis. This line item shows up on the property owner's property tax bill under the Special Assessments section.

Section 2

Customer Wastewater Discharge Characteristics

The purpose of this section is to evaluate the wastewater discharge characteristics of residential and nonresidential customers in terms of wastewater volume and wastewater strength.

2.1 Current Assigned Flows and BOD/TSS Concentrations

The District's customer base is approximately 98% residential as measured by number of billing units, approximately 96% based on wastewater discharge volume, and approximately 95% based on the loading (pounds) of conventional pollutants in wastewater discharge (BOD and TSS).

The District has no documents that show the nexus between customer wastewater characteristics for BOD and TSS and the current SSCs. The District does gather and evaluate water meter usage data from East Bay Municipal Utility District (EBMUD, the water purveyor in the RSD service areas). The water meter usage data is used annually by the District to calculate wastewater discharge volumes and prepare sewer bills for nonresidential users. As part of this study, the District obtained water meter usage data from EBMUD for residential users.

The table below shows the estimated wastewater discharge characteristics of residential and nonresidential customers in terms of wastewater flow, wastewater volume, and wastewater strength used in this study for the development of SSCs. Nonresidential wastewater strengths were based on values used by EBMUD and other wastewater treatment purveyors.

Table 2-1. Customer Wastewater Discharge Assigned Flows and BOD/TSS Loadings

Customer Class	No. of Units	Strength, mg/l		Avg Flow gpd	Volume hcf/yr	Volume mg/yr	BOD lbs/yr	SS mlbs/yr	Percent of Total			
		BOD	SS						Units	Volume	BOD	SS
Residential												
Single Family	2,309	230	235	175	197,149	147	282,910	289,061	72%	71%	70%	70%
Multiple Family (dwelling units)	573	230	235	175	48,924	37	70,207	71,733	18%	18%	17%	17%
CCC Housing Authority-Bayo Vista	250	230	235	175	21,346	16	30,631	31,297	8%	8%	8%	8%
Mobile Home (dwelling units)	26	230	235	175	2,220	2	3,186	3,255	0.8%	0.8%	0.8%	0.8%
Nonresidential												
Churches	10	230	235	73	355	0.3	509	521	0.31%	0.13%	0.13%	0.13%
Schools/Day Care/Rec.	8	230	235	834	3,257	2.4	4,674	4,775	0.25%	1.17%	1.15%	1.15%
Laundromat	1	350	375	3,685	1,798	1.3	3,926	4,207	0.03%	0.65%	0.97%	1.01%
Commercial Professional	29	350	375	105	1,489	1.1	3,252	3,484	0.90%	0.53%	0.80%	0.84%
Hospitals/Clinics	2	350	375	75	73	0.1	159	171	0.06%	0.03%	0.04%	0.04%
Bars w/o Dining	1	350	375	94	46	0.0	100	108	0.03%	0.02%	0.02%	0.03%
Gasoline/Service/Wrecking	5	350	375	160	391	0.3	854	915	0.16%	0.14%	0.21%	0.22%
Commercial Laundries	0	0	0	0	0	0.0	0	0	0.00%	0.00%	0.00%	0.00%
Restaurants/Food Service	4	900	800	268	524	0.4	2,942	2,615	0.12%	0.19%	0.72%	0.63%
Food Markets w/Bakery/Deli	1	900	800	141	69	0.1	387	344	0.03%	0.02%	0.10%	0.08%
Bakeries	0	0	0	0	0	0.0	0	0	0.00%	0.00%	0.00%	0.00%
Mixed Use Parcels												
Parcel 1	1	465	433	1,226	598	0.4	1,734	1,615	0.03%	0.21%	0.43%	0.39%
Parcel 2	1	332	329	588	287	0.2	595	589	0.03%	0.10%	0.15%	0.14%
Total	3,221				278,526	208	406,067	414,689	100%	100%	100%	100%

Abbreviations: BOD-Biochemical Oxygen Demand; TSS-Total Suspended Solids; hcf-Hundred Cubic Feet

2.2 WPCP Influent and Customer Wastewater Discharge Characteristics

Customer characteristics for flow, BOD and TSS were evaluated to ensure that those characteristics approximately represent the volume of wastewater and pounds of conventional pollutants (BOD and TSS) entering the District's Water Pollution Control Plant.

The table below shows a comparison of the volume of wastewater and pounds of BOD and TSS entering the District's WPCP alongside those generated by customers connected to the District's wastewater system. Because residential customers represent approximately 96% of wastewater discharge volume and approximately 95% of BOD and TSS loadings, the close relationship between WPCP influent values and customer wastewater discharge values confirms that the wastewater discharge characteristics assigned to residential customers shown in the previous table are reasonable.

Table 2-2. Comparison of WPCP Influent and Customer Wastewater Discharge Characteristics

Unit of Measure	2023 *	2024	2023 vs 2024
	WPCP Influent	Wastewater Discharge Estimate	
Average Daily Flow and BOD/TSS Concentration			
Flow, mgd	0.568	0.571	0.5%
BOD, mg/L	235	234	-0.5%
TSS, mg/L	240	239	-0.7%
Average Annual Flow and BOD/TSS Pounds			
Flow, 1000 gal/year	207,390	208,370	0.5%
BOD, lbs/year	406,080	406,070	0.0%
TSS, lbs/year	415,560	414,690	-0.2%
* Source: Rodeo Sanitary District influent sampling and analyses.			

2.3 Updated Rate Structure

The current rate structure has 11 nonresidential customer classes with approximately 61 active accounts.

It is recommended that nonresidential customer classes be aggregated into groups with the groups based on similar combined strengths of BOD and TSS (as measured in mg/L). Three groups are recommended. Each group would combine accounts that currently have different Sewer Service Charges.

The recommended nonresidential customer class groups, existing nonresidential customer classes, and the current range of SSCs for each group are summarized in the table below.

Table 2-3. Current Nonresidential Customer Classes and Recommended Nonresidential Groups							
New Strength Group	Current Customer Classes	Number of Accounts	New Customer Groups				Range of Current Sewer Service Charges
			BOD mg/L	TSS mg/L	BOD + TSS, mg/L	BOD + TSS Range for Customer Class	
Group 1	Churches, Schools/Day Care/Rec.	18	230	235	465	0 to 600	\$7.24 to \$7.70
Group 2	Laundromat, Commercial Professional, Hospitals/Clinics, Bars w/o Dining, Gasoline/Service/Wrecking	38	350	375	725	601 to 1100	\$9.34 to \$11.80
Group 3	Commercial Laundries, Restaurants/Food Service, Food Markets w/Bakery/Deli, Bakeries	5	900	800	1700	1101 to 1900	\$19.57 to \$20.54

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Section 3

Revenue Required from Sewer Service Charges

Sewer Service Charges must adequately fund sewer utility operations, capital costs, reserves, and loan-related covenants and obligations. The revenue required from Sewer Service Charges is developed in this section.

3.1 Capital Improvement Program

The District's capital improvement program expenditures for FY23, the current fiscal year (FY24), and the next five fiscal years is summarized in the table below. The projected funding sources for FY25 – FY29 expenditures of \$7,017,500 is 76% from new loans (\$5,350,000) and 24% cash from sewer service charges, capacity charges, and reserves.

Table 3-1. Capital Improvement Program

	Actual	Forecast	Projected					Total	
	FY23	FY24	FY25	FY26	FY27	FY28	FY29	FY25-FY29	
1707 - Miscellaneous Collection system	16,000	60,000	75,000	75,000	75,000	100,000	100,000	425,000	6.1%
1715 - Capital Equipment Reserve	54,869	18,000	10,000	10,000	10,000	10,000	10,000	50,000	0.7%
1717 - Security System	0	1,250	2,500	2,500	10,000	2,500	2,500	20,000	0.3%
1731 - Class III Water System	869	3,000	15,000	2,500	2,500	2,500	15,000	37,500	0.5%
1740 - Influent Pump Station Pump & Pipe Rehab	0	29,000	0	30,000	0	30,000	0	60,000	0.9%
1742 - District Wide Electrical Rehab	24,932	8,000	20,000	20,000	20,000	25,000	25,000	110,000	1.6%
1746 - Potable Water Rehab	1,250	5,000	5,000	5,000	25,000	5,000	5,000	45,000	0.6%
1753 - Chemical Feed System Upgrade	6,277	80,000	45,000	0	0	50,000	0	95,000	1.4%
1757 - Analyzer Retrofit	2,378	23,000	0	0	0	15,000	0	15,000	0.2%
1758 - Electrical - Instrumentation and PLC	57,845	20,000	10,000	30,000	10,000	750,000	10,000	810,000	11.5%
1762 - EPS EP4 Repair	10,384	0	0	150,000	25,000	0	0	175,000	2.5%
1764 - Priority Improvements Projects	68,070	169,000	750,000	0	0	750,000	0	1,500,000	21.4%
17AA - WPCP Priority Improvements Project	0	0	0	0	0	0	0	0	0.0%
17XX - Misc Capital Projects	0	35,000	25,000	25,000	25,000	25,000	50,000	150,000	2.1%
17YY - Nutrient Control	0	0	0	300,000	0	0	0	300,000	4.3%
1765 - Centrifuge Rehab	19,855	0	0	25,000	0	0	25,000	50,000	0.7%
1767 - Aeration Basin Rehab	54,814	46,000	0	0	50,000	0	0	50,000	0.7%
1768 - Thickener Panel Rehab	1,834	2,500	0	0	0	0	0	0	0.0%
1769 - CIP-2024 Priority Improvements	10,890	201,000	1,000,000	750,000	0	0	0	1,750,000	24.9%
1771 - Facilities Fence Maintenance	709	1,000	2,500	2,500	2,500	2,500	2,500	12,500	0.2%
1772 - CIP-WPCP Buried Valve Rehab	9,284	29,000	0	0	0	0	0	0	0.0%
1785 - Operations Building Remodel	4,738	0	0	750,000	0	0	0	750,000	10.7%
1786 - Facility Painting	0	1,500	2,500	2,500	2,500	2,500	2,500	12,500	0.2%
17ZZ - Energy Conservation Measures	0	0	0	0	0	0	0	0	0.0%
1790 - Fleet Vehicle	36,407	0	75,000	0	0	0	0	75,000	1.1%
1795 - Digester Rehab	78,093	0	0	0	500,000	0	0	500,000	7.1%
1796 - Outfall	0	0	25,000	0	0	0	0	25,000	0.4%
1797 - CIP-Facility Roofs	5,000	0	0	0	0	0	0	0	0.0%
Total Capital Expenses	464,498	732,250	2,062,500	2,180,000	757,500	1,770,000	247,500	7,017,500	100%
<i>Projected Debt Funded (Loan Disbursements)</i>			<i>1,850,000</i>	<i>1,750,000</i>	<i>0</i>	<i>1,750,000</i>	<i>0</i>	<i>5,350,000</i>	<i>76%</i>
<i>Projected Cash Funded</i>								<i>1,667,500</i>	<i>24%</i>

3.2 Operations and Maintenance Expenditures

Projected operating and maintenance (O&M) expenditures and debt service for FY25 through FY29 (five fiscal years) are summarized in the table below. Detailed, annual operating and maintenance expenditures and debt service are listed in Table A-1 of Appendix A.

O&M expenditures for FY25 – FY29 increase about \$3.350 million compared to a scenario with no spending increases over the same five years. Three expense categories represent 57% of the spending increases: 1) additional employee positions (43%); 2) increased expenditures for electricity (9%); and 3) increased expenditures for plant insurance (5%). Additionally, new debt issuances planned for FY25, FY26, and FY28 totaling \$5,350,000 are projected to add approximately \$439,000 per year in debt service by FY29.

Table 3-2. Operations and Maintenance Expenditures and Debt Service

Expenditure Category	FY24	FY25	FY26	FY27	FY28	FY29	Total FY25-FY29
Operations & Maintenance (O&M)							
Salaries & Benefits	1,644,422	1,860,199	2,070,505	2,132,620	2,196,599	2,262,497	10,522,419
Utilities & Chemicals	462,100	509,694	540,364	573,030	607,828	644,902	2,875,818
Treatment Plant	101,500	104,545	107,681	110,912	114,239	117,666	555,044
Solids Handling	54,801	57,123	58,836	60,602	62,420	64,292	303,273
Collection System	96,000	98,880	101,846	104,902	108,049	111,290	524,967
Administrative & Miscellaneous	<u>544,841</u>	<u>581,419</u>	<u>598,862</u>	<u>616,828</u>	<u>635,332</u>	<u>654,392</u>	<u>3,086,833</u>
Total O&M	2,903,664	3,211,860	3,478,094	3,598,893	3,724,467	3,855,040	17,868,354
Debt Service	955,617	955,617	1,106,794	1,250,683	1,250,683	1,394,571	5,958,347
Total	3,859,281	4,167,477	4,584,889	4,849,575	4,975,149	5,249,611	23,826,701
No Expenditure Increases		<u>3,859,281</u>	<u>3,859,281</u>	<u>3,859,281</u>	<u>3,859,281</u>	<u>3,859,281</u>	<u>19,296,406</u>
Total Expenditure Increases		308,195	725,607	990,294	1,115,868	1,390,330	4,530,295
Annual \$ Increase							
		FY25	FY26	FY27	FY28	FY29	
Operations & Maintenance (O&M)							
Salaries & Benefits		215,777	210,306	62,115	63,979	65,898	
Utilities & Chemicals		47,594	30,670	32,666	34,798	37,074	
Treatment Plant		3,045	3,136	3,230	3,327	3,427	
Solids Handling		2,322	1,714	1,765	1,818	1,873	
Collection System		2,880	2,966	3,055	3,147	3,241	
Administrative & Miscellaneous		<u>36,578</u>	<u>17,443</u>	<u>17,966</u>	<u>18,505</u>	<u>19,060</u>	
Total O&M		308,195	266,235	120,798	125,574	130,574	
Debt Service		0	151,177	143,888	0	143,888	
Total		308,195	417,412	264,687	125,574	274,462	
Annual % Increase							
		FY25	FY26	FY27	FY28	FY29	
Operations & Maintenance (O&M)							
Salaries & Benefits		13%	11%	3%	3%	3%	
Utilities & Chemicals		10%	6%	6%	6%	6%	
Treatment Plant		3%	3%	3%	3%	3%	
Solids Handling		4%	3%	3%	3%	3%	
Collection System		3%	3%	3%	3%	3%	
Administrative & Miscellaneous		<u>7%</u>	<u>3%</u>	<u>3%</u>	<u>3%</u>	<u>3%</u>	
Total O&M		11%	8%	3%	3%	4%	
Debt Service		0%	16%	13%	0%	12%	
Total		8%	10%	6%	3%	6%	

3.3 Projected Cash Flow

Revenue from Sewer Service Charges must be sufficient to adequately fund sewer utility operations, maintenance, and capital replacement expenditures; and meet debt service obligations, while keeping rates as competitive as possible and maintaining a prudent level of reserves. Based on projected expenditures, it is recommended that the District seek to increase revenue from Sewer Service Charges by approximately 8.6 percent per year for the next five years.

Beginning and ending fund balances, expenditures, and revenues for the prior and current fiscal years (FY23 and FY24) and the next five fiscal years are summarized in the table below. Based on the recommended increases in SSCs, income for FY25 will increase by approximately \$359,000 from the prior year for a projected total of approximately \$4,810,000 of income. By the fifth year of recommended SSC increases, income is projected to be \$6,470,000.

Detailed cash flow data is included in Table A-1 of Appendix A.

Table 3-3. Income, Expenditures, and Fund Balances for FY23 – FY29

	Actual	Forecast	Projected				
	FY23	FY24	FY25	FY26	FY27	FY28	FY29
Beginning Balance, July 1	2,717,485	2,903,834	2,773,724	3,204,218	3,398,485	3,410,577	4,400,932
Income	4,102,807	4,461,422	4,810,471	5,209,156	5,619,167	5,985,504	6,471,429
Expenditures							
Operating Expenses	2,496,343	2,903,664	3,211,860	3,478,094	3,598,893	3,724,467	3,855,040
Capital Expenses	464,498	732,250	2,062,500	2,180,000	757,500	1,770,000	247,500
SRF Loan Payment Transfers	955,617	955,617	955,617	955,617	955,617	955,617	955,617
New Debt Service	0	0	0	151,177	295,066	295,066	438,954
Total Expenditures	3,916,458	4,591,531	6,229,977	6,764,889	5,607,075	6,745,149	5,497,111
Income Net of Expenditures	186,349	(130,109)	(1,419,506)	(1,555,733)	12,092	(759,645)	974,318
Bond Disbursement	0	0	1,850,000	1,750,000	0	1,750,000	0
Ending Balance, June 30	2,903,834	2,773,724	3,204,218	3,398,485	3,410,577	4,400,932	5,375,250

3.4 Debt Service Coverage

Between 2015 and 2017, the District entered into five loan agreements with the State Water Resources Control Board for five different State Revolving Fund low-interest loans. Loan disbursements totaled \$16,069,671. Interest rates on the loans ranged from 1.5% to 1.7%. Principal and interest payments run through 2038 – 2040. In its loan agreements with the State Water Resources Control Board the District pledged to generate sufficient income to satisfy a debt service coverage test and to establish a SRF Debt Service reserve. Calculation of the debt service coverage test ratio is shown in the table below.

The District plans to fund a majority of its CIP expenditures through the issuance of new debt. A bond issue of \$1,850,000 is projected for FY25 with annual principal and interest payments of approximately \$151,000 beginning in FY26. A second bond issue of \$1,750,000 is projected for FY26 with annual principal and interest payments of approximately \$144,000 beginning in FY27. A third bond issue of \$1,750,000 is projected for FY28 with annual principal and interest payments of approximately \$144,000 beginning in FY29.

Debt service coverage for FY23 – FY29 is calculated as shown in the table below.

Table 3-4. Debt Service Coverage							
	Actual	Budget	Projected				
	FY23	FY24	FY25	FY26	FY27	FY28	FY29
Debt Service							
SRF Loan Payment Transfers	955,617	955,617	955,617	955,617	955,617	955,617	955,617
2025 CSDA Finance Corp Loan	0	0	0	151,177	151,177	151,177	151,177
2026 CSDA Finance Corp Loan	0	0	0	0	143,888	143,888	143,888
2027 CSDA Finance Corp Loan	0	0	0	0	0	0	0
2028 CSDA Finance Corp Loan	0	0	0	0	0	0	143,888
Total Debt Service	955,617	955,617	955,617	1,106,794	1,250,683	1,250,683	1,394,571
Net Income							
Income	4,102,807	4,461,422	4,810,471	5,209,156	5,619,167	5,985,504	6,471,429
Net Item: Operating Expenditures	(2,496,343)	(2,903,664)	(3,211,860)	(3,478,094)	(3,598,893)	(3,724,467)	(3,855,040)
Net Income	1,606,464	1,557,757	1,598,611	1,731,062	2,020,274	2,261,038	2,616,389
Debt Service Coverage							
Net Income	1,606,464	1,557,757	1,598,611	1,731,062	2,020,274	2,261,038	2,616,389
Total Debt Service	<u>955,617</u>	<u>955,617</u>	<u>955,617</u>	<u>1,106,794</u>	<u>1,250,683</u>	<u>1,250,683</u>	<u>1,394,571</u>
Debt Service Coverage Ratio	1.68x	1.63x	1.67x	1.56x	1.62x	1.81x	1.88x

3.5 Target Fund Balances

The District adopted a Financial Reserves Policy that established policies for fund balances and reserves. There are three reserves: 1) Operating; 2) Capital Asset; and 3) State Revolving Fund (SRF) Debt Service. Calculation of the target fund balance for each reserve is shown in the table below. The target for the SRF Debt Service reserve includes reserves for the proposed new debt issues.

Table 3-5. Target Fund Balances							
	Actual	Budget	Projected				
	FY23	FY24	FY25	FY26	FY27	FY28	FY29
Operating Reserve Component							
Target: 60% of Operating Costs							
Operating Costs	2,496,343	2,903,664	3,211,860	3,478,094	3,598,893	3,724,467	3,855,040
% of Operating Costs	60%	60%	50%	50%	50%	50%	50%
Target Operating Reserve	1,497,806	1,742,199	1,605,930	1,739,047	1,799,446	1,862,233	1,927,520
Capital Asset Reserve Component							
Target: \$2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000
Debt Service Reserve Component							
Target: One year of Total SRF Loan Payments	955,617	955,617	955,617	955,617	955,617	955,617	955,617
Target: One year of 2025 CSDA Finance Corp Loan	0	0	0	151,177	151,177	151,177	151,177
Target: One year of 2026 CSDA Finance Corp Loan	0	0	0	0	143,888	143,888	143,888
Target: One year of 2027 CSDA Finance Corp Loan	0	0	0	0	0	0	0
Target: One year of 2028 CSDA Finance Corp Loan	0	0	0	0	0	0	143,888
Total Debt Service Reserve	<u>955,617</u>	<u>955,617</u>	<u>955,617</u>	<u>1,106,794</u>	<u>1,250,683</u>	<u>1,250,683</u>	<u>1,394,571</u>
Total Target Balance	4,453,423	4,697,815	4,561,547	4,845,841	5,050,129	5,112,916	5,322,091

3.6 Revenue Required from Sewer Service Charges

Revenue required from sewer service charges for each projected fiscal year is arrived at by increasing annual revenue from sewer service charges so that total annual income plus the cash beginning balance covers total annual expenditures and leaves an ending balance that exceeds target balances. The debt service coverage ratio must also meet covenant restrictions.

The target balance for the first four projected fiscal years (FY25 – FY28) includes the Operating and Debt Service reserve components – the Capital reserve component is excluded as the \$2,000,000 reserve amount is used to fund the District’s \$7,017,500 Capital Improvement Program. In FY29 – the fifth projected fiscal year – the target balance includes the Capital reserve component and the ending fund balance exceeds the combined target for all three reserve components.

The projected revenue required from sewer service charges – approximately \$24,600,000 – is achieved with annual increases of 8% in FY25 and FY26 followed by three years of 9% increases.

Table 3-6. Revenue Required from Sewer Service Charges

	Actual	Budget	Projected					FY25 - FY29
	FY23	FY24	FY25	FY26	FY27	FY28	FY29	
Beginning Balance, July 1	2,717,485	2,903,834	2,773,724	3,204,218	3,398,485	3,410,577	4,400,932	
Income	SSC Revenue Inc >		8.0%	8.0%	9.0%	9.0%	9.0%	
Sewer Service Charges	3,370,582	3,834,350	4,141,098	4,472,386	4,874,900	5,313,641	5,791,869	24,593,894
Ad Valorem Tax Revenue	485,220	490,072	494,973	499,922	504,922	509,971	515,071	2,524,858
Other Income	<u>247,006</u>	<u>137,000</u>	<u>174,400</u>	<u>236,848</u>	<u>239,345</u>	<u>161,892</u>	<u>164,490</u>	<u>976,975</u>
Total Income	4,102,807	4,461,422	4,810,471	5,209,156	5,619,167	5,985,504	6,471,429	28,095,727
Operating Expenditures	2,496,343	2,903,664	3,211,860	3,478,094	3,598,893	3,724,467	3,855,040	17,868,354
Loan Payments	955,617	955,617	955,617	1,106,794	1,250,683	1,250,683	1,394,571	5,958,347
Capital Improvement Program	<u>464,498</u>	<u>732,250</u>	<u>2,062,500</u>	<u>2,180,000</u>	<u>757,500</u>	<u>1,770,000</u>	<u>247,500</u>	<u>7,017,500</u>
Total Expenditures	3,916,458	4,591,531	6,229,977	6,764,889	5,607,075	6,745,149	5,497,111	30,844,201
Loan Disbursements	0	0	1,850,000	1,750,000	0	1,750,000	0	5,350,000
Ending Balance, June 30	2,903,834	2,773,724	3,204,218	3,398,485	3,410,577	4,400,932	5,375,250	
Target Balance (Op+Capital+Debt Reserves)	4,453,423	4,697,815	4,561,547	4,845,841	5,050,129	5,112,916	5,322,091	
Target Balance (Op+Debt Reserves)	2,453,423	2,697,815	2,561,547	2,845,841	3,050,129	3,112,916	3,322,091	
Debt Service Coverage Ratio	1.68x	1.63x	1.67x	1.56x	1.62x	1.81x	1.88x	

Note: Ending Balance values in red highlight indicate that the value is less than the Target Balance.

Section 4

Sewer Service Charges

The recommended sewer service charges incorporate “cost of service” allocation principles to ensure that each customer’s bill reflects the proportional cost of the service attributable to each customer.

The recommended sewer service charges incorporate the combined impact of 1) updated customer characteristics (for flow, BOD, and TSS); 2) reduced number of nonresidential customer classes and number of separate rates from nine to three; 3) replacement of the annual minimum charge with a monthly account charge; and 4) increased annual revenue requirements.

4.1 Cost of Service Allocations

Revenue required from sewer service charges is allocated among the four components of the updated rate structure (flow, BOD, TSS, and accounts) for each category of operating expenditures. The percent allocation of operating expenditures for each component are shown in the table below.

The percent allocations for each component are applied to the projected revenue required from sewer service charges for each fiscal year. In the table below, the percent allocations are based on operating expenditures for FY25.

Table 4-1. Cost Allocation for Benchmark Year

Expenditure Category	Percentage Allocation				Total
	Flow	BOD	SS	Account	
Salaries & Benefits	20%	20%	20%	40%	100%
Utilities & Chemicals	55%	20%	25%	0%	100%
Treatment Plant	34%	33%	33%	0%	100%
Solids Handling	0%	0%	100%	0%	100%
Collection System	100%	0%	0%	0%	100%
Administrative & Misc	0%	0%	0%	100%	100%
Expenditure Category	Cost Allocation				FY25 Total
	Flow	BOD	SS	Account	
Salaries & Benefits	372,040	372,040	372,040	744,080	1,860,199
Utilities & Chemicals	280,332	101,939	127,424	0	509,694
Treatment Plant	35,545	34,500	34,500	0	104,545
Solids Handling	0	0	57,123	0	57,123
Collection System	98,880	0	0	0	98,880
Administrative & Misc	0	0	0	581,419	581,419
Total	786,797	508,478	591,086	1,325,499	3,211,860
Percent of FY25 Total	24%	16%	18%	41%	100%

4.2 Calculation of Unit Costs

Allocation of revenue required for each of the four components for FY25 is used to allocate revenue requirements for the next four fiscal years. Revenue requirements are divided by the units of use for each component to yield unit costs for each component. The table below summarizes the data for each step in the calculation of units costs: Step 1. Percent Allocation; Step 2: Revenue Requirement; Step 3 Units of Use; and Step 4: Unit Costs.

Table 4-2. Calculation of Unit Costs for FY25 - FY29						
Step 1. Percent Allocation		FY25	FY26	FY27	FY28	FY29
Flow	<i>from Table 4-1</i>	24%	24%	24%	24%	24%
BOD	<i>from Table 4-1</i>	16%	16%	16%	16%	16%
TSS	<i>from Table 4-1</i>	18%	18%	18%	18%	18%
Account	<i>from Table 4-1</i>	41%	41%	41%	41%	41%
Step 2. Revenue Requirement		FY25	FY26	FY27	FY28	FY29
Total	<i>from Table 3-6</i>	4,141,098	4,472,386	4,874,900	5,313,641	5,791,869
Allocation						
Flow		1,014,429	1,095,583	1,194,185	1,301,662	1,418,812
BOD		655,589	708,036	771,759	841,217	916,927
TSS		762,096	823,063	897,139	977,882	1,065,891
Account		1,708,985	1,845,704	2,011,817	2,192,880	2,390,240
Step 3. Units of Use		FY25	FY26	FY27	FY28	FY29
Service	<i>from Table B-1</i>	<i>from Table B-2</i>	<i>from Table B-3</i>	<i>from Table B-4</i>	<i>from Table B-5</i>	
Flow	<i>1000 gallons</i>	208,366	208,366	208,366	208,366	208,366
BOD	<i>pounds</i>	406,067	406,067	406,067	406,067	406,067
TSS	<i>pounds</i>	414,689	414,689	414,689	414,689	414,689
Account	<i>accounts billed</i>	3,222	3,222	3,222	3,222	3,222
Step 4. Unit Costs (Step 2 ÷ Step 3)		FY25	FY26	FY27	FY28	FY29
Flow	<i>per 1000 gallons</i>	\$4.869	\$5.258	\$5.731	\$6.247	\$6.809
BOD	<i>per pound</i>	\$1.614	\$1.744	\$1.901	\$2.072	\$2.258
TSS	<i>per pound</i>	\$1.838	\$1.985	\$2.163	\$2.358	\$2.570
Account	<i>per account/month</i>	\$44.40	\$48.00	\$51.60	\$57.60	\$62.40

The unit costs are used to calculate annual sewer service charges for residential customers and flow-based charges (in \$/hcf) for nonresidential customers. The monthly account charge is included in the annual sewer service charges for residential customers. The monthly account charge for nonresidential customers is added to their flow-based charges. Calculation of all charges for each fiscal year is shown in tables B-1 through B-5 in Appendix B.

4.3 Sewer Service Charges for FY25 – FY29

The District’s current and recommended sewer service charges and units costs for flow, BOD and TSS, are shown in the table below.

Table 4-3. Current and Recommended Sewer Service Charges							
Customer Class		Current	Recommended				
		FY24	FY25	FY26	FY27	FY28	FY29
Revenue Required from SSCs							
Annual, Dollars		\$3,834,000	\$4,141,098	\$4,472,386	\$4,874,900	\$5,313,641	\$5,791,869
Annual Increase, Dollars			\$307,098	\$331,288	\$402,515	\$438,741	\$478,228
Annual Increase, Percent			8.0%	8.0%	9.0%	9.0%	9.0%
Sewer Service Charges							
Residential (<i>per dwelling unit</i>)		\$1,165.62	\$1,272.00	\$1,368.00	\$1,488.00	\$1,620.00	\$1,776.00
Nonresidential	<i>Recommended</i>						
Volume-based charges (<i>per hcf</i>)	<u><i>BOD + TSS Group</i></u>						
Churches	<i>Group 1</i>	\$7.24	\$8.65	\$9.35	\$10.19	\$11.10	\$12.10
Schools/Day Care/Rec.	<i>Group 1</i>	\$7.70	\$8.65	\$9.35	\$10.19	\$11.10	\$12.10
Laundromat	<i>Group 2</i>	\$9.34	\$11.47	\$12.38	\$13.50	\$14.71	\$16.04
Commercial Professional	<i>Group 2</i>	\$10.44	\$11.47	\$12.38	\$13.50	\$14.71	\$16.04
Hospitals/Clinics	<i>Group 2</i>	\$11.14	\$11.47	\$12.38	\$13.50	\$14.71	\$16.04
Bars w/o Dining	<i>Group 2</i>	\$11.24	\$11.47	\$12.38	\$13.50	\$14.71	\$16.04
Gasoline/Service/Wrecking	<i>Group 2</i>	\$11.80	\$11.47	\$12.38	\$13.50	\$14.71	\$16.04
Commercial Laundries	<i>Group 3</i>	\$19.57	\$21.88	\$23.63	\$25.76	\$28.08	\$30.60
Restaurants/Food Service	<i>Group 3</i>	\$20.54	\$21.88	\$23.63	\$25.76	\$28.08	\$30.60
Food Markets w/Bakery/Deli	<i>Group 3</i>	\$20.54	\$21.88	\$23.63	\$25.76	\$28.08	\$30.60
Bakeries	<i>Group 3</i>	\$20.54	\$21.88	\$23.63	\$25.76	\$28.08	\$30.60
Account-based charges (<i>per month</i>)		na	\$44.40	\$48.00	\$51.60	\$56.40	\$62.40
Unit Costs							
Flow	<i>per 1000 gal</i>		\$4.869	\$5.258	\$5.731	\$6.247	\$6.809
BOD	<i>per 1000 pounds</i>		\$1.614	\$1.744	\$1.901	\$2.072	\$2.258
SS	<i>per 1000 pounds</i>		\$1.838	\$1.985	\$2.163	\$2.358	\$2.570
Account/Unit	<i>per Acct/Unit-Mo</i>		\$44.40	\$48.00	\$51.60	\$56.40	\$62.40
Percent Increase							
Residential			9.1%	7.5%	8.8%	8.9%	9.6%
Nonresidential	<i>Recommended</i>						
Volume-based charges (<i>per hcf</i>)	<u><i>BOD + TSS Group</i></u>						
Churches	<i>Group 1</i>		19.5%	8.1%	9.0%	8.9%	9.0%
Schools/Day Care/Rec.	<i>Group 1</i>		12.3%	8.1%	9.0%	8.9%	9.0%
Laundromat	<i>Group 2</i>		22.8%	7.9%	9.0%	9.0%	9.0%
Commercial Professional	<i>Group 2</i>		9.9%	7.9%	9.0%	9.0%	9.0%
Hospitals/Clinics	<i>Group 2</i>		3.0%	7.9%	9.0%	9.0%	9.0%
Bars w/o Dining	<i>Group 2</i>		2.0%	7.9%	9.0%	9.0%	9.0%
Gasoline/Service/Wrecking	<i>Group 2</i>		-2.8%	7.9%	9.0%	9.0%	9.0%
Commercial Laundries	<i>Group 3</i>		11.8%	8.0%	9.0%	9.0%	9.0%
Restaurants/Food Service	<i>Group 3</i>		6.5%	8.0%	9.0%	9.0%	9.0%
Food Markets w/Bakery/Deli	<i>Group 3</i>		6.5%	8.0%	9.0%	9.0%	9.0%
Bakeries	<i>Group 3</i>		6.5%	8.0%	9.0%	9.0%	9.0%
Account-based charges (<i>per month</i>)				8.1%	7.5%	9.3%	10.6%
Unit Costs							
Flow				8.0%	9.0%	9.0%	9.0%
BOD				8.0%	9.0%	9.0%	9.0%
SS				8.0%	9.0%	9.0%	9.0%
Account/Unit				8.1%	7.5%	9.3%	10.6%

The figure below shows historical annual Residential Sewer Service Charges from FY08 through FY 24 (17 years) and recommended annual Sewer Service Charges for FY25 through FY29.

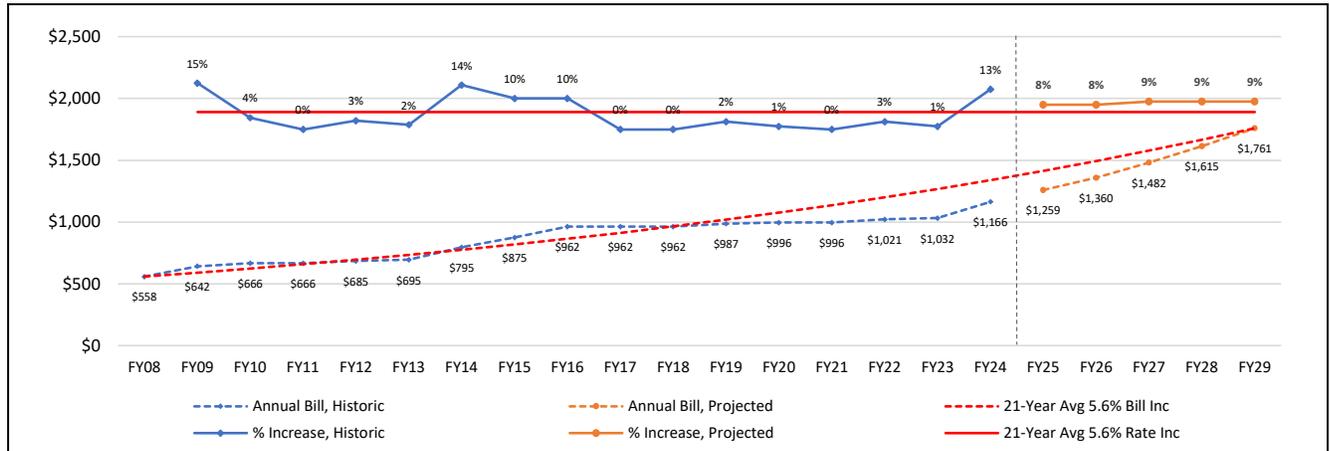


Figure 4-1. Historical and Projected Residential Annual Sewer Service Charges

4.4 Residential Sewer Service Charge Survey

The District’s current (F24) and recommended (FY25) Sewer Service Charges were compared to the current or adopted sewer service charges for other nearby agencies. The comparison is for single family dwelling units. Results of the survey are shown in Figure 4-2.

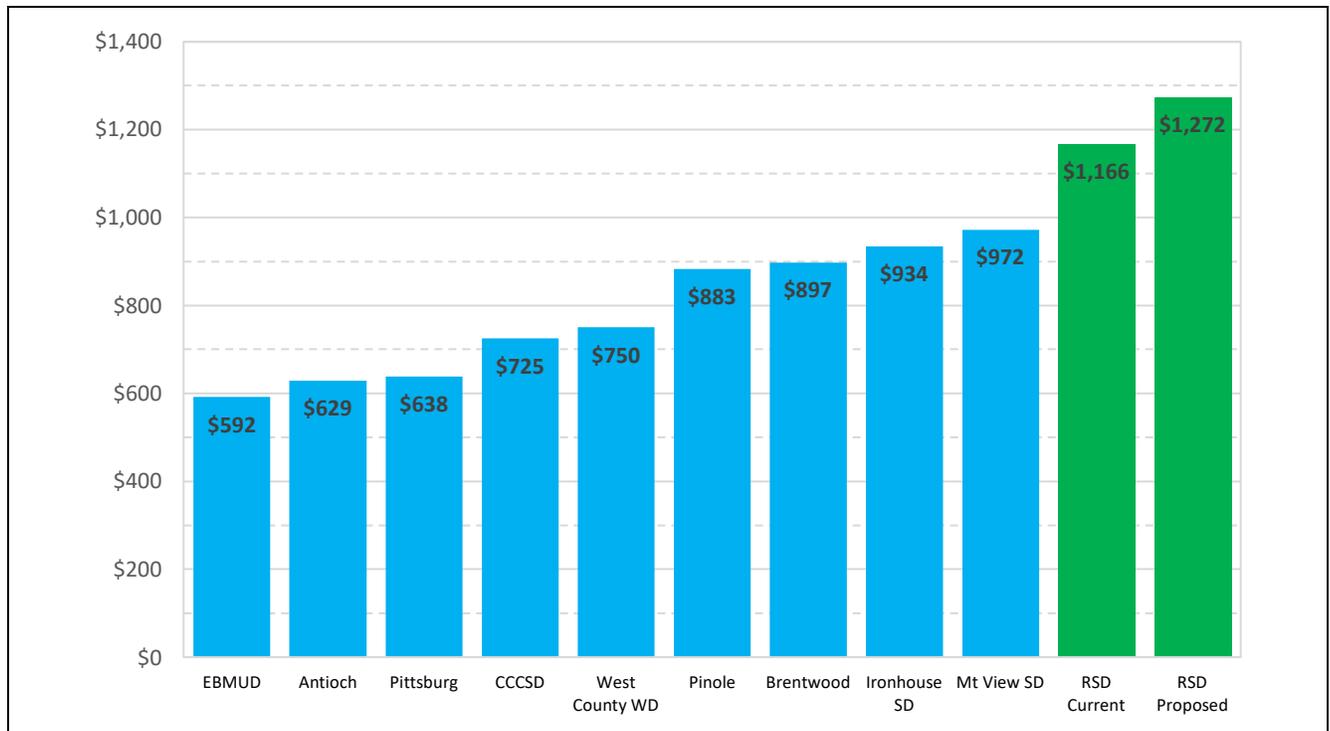


Figure 4-2. Residential Sewer Service Charge Survey

Section 5

Conclusions and Recommendations

5.1 Conclusions

Based on our evaluation of the District's sewer service charges we have drawn the following conclusions:

- The District's Operating expenditures for FY25 – FY29 are approximately \$17.9 million.
- The District's CIP project expenditures for FY25 – FY29 are approximately \$7.0 million.
- The District's principal and interest payments for FY25 – FY29 are approximately \$6.0 million.
- The District's revenue requirements from Sewer Service Charges for FY25 – FY29 are approximately \$24.6 million.
- The District's revenues from Sewer Service Charges for FY25 – FY29, without an increase in charges, would be approximately \$19.2 million.
- The District's expenditures for FY25 – FY29 would exceed revenues by approximately \$5.6 million without an increase in charges.
- The District must collect an additional \$5.6 million in revenue from Sewer Service Charges during FY25 – FY29 to meet capital and operating expenditures, maintain a prudent level of reserves and meet debt service obligations.

5.2 Recommendations

The following recommendations are offered to ensure the financial viability of the wastewater fund and improve the implementation of the District's Sewer Service Charges:

Recommendation 1. Accept the sewer service charges recommended for FY25 – FY29.

Recommendation 2. Evaluate sewer service charges if any assumptions made in this study change significantly.

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Section 6

Limitations

This document was prepared solely for the Rodeo Sanitary District in accordance with professional standards at the time the services were performed and in accordance with the contract between Rodeo Sanitary District and Pavletic Consulting LLC. This document is governed by the specific scope of work authorized by Rodeo Sanitary District; it is not intended to be relied upon by any other party. We have relied on information or instructions provided by Rodeo Sanitary District and, unless otherwise expressly indicated, have made no independent investigation as to the validity, completeness, or accuracy of such information.

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Appendix A: Detailed Operating and Maintenance and Debt Service Data

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Table A-1
Cash Flow

	Actual	Forecast	Projected				
	FY23	FY24	FY25	FY26	FY27	FY28	FY29
INCOME							
	SSC Revenue Inc >	13.0%	8.0%	8.0%	9.0%	9.0%	9.0%
Sewer Service Charges	3,370,582	3,834,350	4,141,098	4,472,386	4,874,900	5,313,641	5,791,869
Misc Income (estimated, plan check fees)	12,387	7,000	12,000	12,000	12,000	12,000	12,000
Franchise Fee - Richmond Sanitary Service	107,331	120,000	122,400	124,848	127,345	129,892	132,490
	Ad Valorem Inc >	1%	1%	1%	1%	1%	1%
Ad Valorem Tax Revenue	485,220	490,072	494,973	499,922	504,922	509,971	515,071
Connection Fees	127,288	10,000	40,000	100,000	100,000	20,000	20,000
Total Income	4,102,807	4,461,422	4,810,471	5,209,156	5,619,167	5,985,504	6,471,429
EXPENSES							
	All Other Items >	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%
6100 · Salaries in Plant	Salaries & Benefits >	4.0%	3.0%	3.0%	3.0%	3.0%	3.0%
6110 · Straight time	915,263	1,128,967	1,174,126	1,209,349	1,245,630	1,282,999	1,321,489
6120 · Overtime	36,623	42,846	44,560	45,897	47,274	48,692	50,152
6130 · Medical Cash In Lieu	7,639	11,200	11,648	11,997	12,357	12,728	13,110
6140 · On-Call Pay	26,000	31,200	32,448	33,421	34,424	35,457	36,521
ADD SALARIES FOR X.X FTEs			100,000	206,000	212,180	218,545	225,102
Total 6100 · Salaries in Plant	985,525	1,214,213	1,362,782	1,506,665	1,551,865	1,598,421	1,646,373
6500 · Payroll Expenses	75,950	89,100	92,664	95,444	98,307	101,256	104,294
6600 · Benefits-B129CCC Retirement	147,429	219,278	228,049	234,891	241,937	249,195	256,671
6601 · Pension Expense-GASB 68							
6710 · Benefits-Medical Insurance	131,701	111,761	116,231	119,718	123,310	127,009	130,820
6720 · Benefits-Dental Insurance	7,502	10,070	10,473	10,787	11,111	11,444	11,787
ADD BENEFITS FOR X.X FTEs			50,000	103,000	106,090	109,273	112,551
Total 6500 · Payroll and Benefits	362,583	430,209	497,417	563,840	580,755	598,178	616,123
7150 · Director's Fees and Costs	7,920	16,500	17,160	17,675	18,205	18,751	19,314
7210 · Solids Disposal	27,546	25,209	25,965	26,744	27,547	28,373	29,224
7220 Utilities		Electricity >	13.0%	7.0%	7.0%	7.0%	7.0%
7221 Electricity	192,757	211,563	239,066	255,801	273,707	292,866	313,367
7223 Water	14,343	15,476	15,940	16,418	16,911	17,418	17,941
7224 Communication	28,380	24,616	25,354	26,115	26,899	27,706	28,537
7225 Gas	27,506	26,942	27,750	28,583	29,440	30,323	31,233
Total 7220 · Utilities	262,986	278,597	308,111	326,917	346,957	368,314	391,078
	Sodium Hypochlorite >	14.2%	7.0%	7.0%	7.0%	7.0%	7.0%
7230 Chemicals	Other Chemicals >	6.0%	3.0%	3.0%	3.0%	3.0%	3.0%
7231 Sodium Hypochlorite	69,863	127,323	145,403	155,581	166,472	178,125	190,593
7232 Sodium Bisulphite	60,252	56,180	56,180	57,865	59,601	61,389	63,231
7233 Thickener Polymer	7,800	12,842	13,613	14,021	14,442	14,875	15,321
7234 Centrifuge Polymer	13,128	9,750	10,335	10,645	10,964	11,293	11,632
Total 7230 · Chemicals	151,043	206,095	225,530	238,112	251,479	265,682	280,778
7240 Maintenance Supplies							
7241 Headworks and Primary Treatment	3,006	3,000	3,090	3,183	3,278	3,377	3,478
7242 Aeration, Secondary Clarifiers, and RAS	5,693	3,000	3,090	3,183	3,278	3,377	3,478
7243 Anaerobic Digesters and Sludge Processing	1,696	3,000	3,090	3,183	3,278	3,377	3,478
7244 Thickener and WAS	4,942	4,000	4,120	4,244	4,371	4,502	4,637
7245 Effluent PS, Aeration, and Plant Sewer	1,888	7,500	7,725	7,957	8,195	8,441	8,695
7246 Potable Water and Pneumatic System	300	1,000	1,030	1,061	1,093	1,126	1,159
7247 Chemical Feed System	2,212	1,500	1,545	1,591	1,639	1,688	1,739
7248 Analyzers and Monitoring	19,434	12,000	12,360	12,731	13,113	13,506	13,911
7249 Misc Plant	2,014	1,000	1,030	1,061	1,093	1,126	1,159
7250 Plant Generator	3,020	3,500	3,605	3,713	3,825	3,939	4,057
7251 Influent Pump Station	9,614	6,000	6,180	6,365	6,556	6,753	6,956
7252 Collection System	94,221	90,000	92,700	95,481	98,345	101,296	104,335
7253 SCADA, Operations, and Shop	5,309	5,000	5,150	5,305	5,464	5,628	5,796
7254 Security System		500	515	530	546	563	580
7255 Chlorine Contact Tank	43	500	515	530	546	563	580
7256 Plant Grounds	1,051	10,000	10,300	10,609	10,927	11,255	11,593
7257 Oil and Grease	707	2,000	2,060	2,122	2,185	2,251	2,319
7258 Paint and Coatings	416	500	515	530	546	563	580
7259 Recycled Water System	154	500	515	530	546	563	580
Total 7240 · Maintenance Supplies	155,719	154,500	159,135	163,909	168,826	173,891	179,108
7260 Laboratory Supplies and Services							
7261 Compliance Testing	20,725	30,407	31,319	32,259	33,227	34,223	35,250
7262 Bioassay Lab	12,743	5,004	5,154	5,309	5,468	5,632	5,801
7263 Lab Supplies	16,084	15,592	16,060	16,542	17,038	17,549	18,075
Total 7260 · Laboratory Supplies & Services	49,551	51,003	52,533	54,109	55,732	57,404	59,126
7270 · Equipment Lease/Rental		0	0	0	0	0	0
7280 · Vehicle O&M	7,559	15,000	15,450	15,914	16,391	16,883	17,389
7290 · Small Tools	9,964	5,000	5,150	5,305	5,464	5,628	5,796

Table A-1
Cash Flow

	Actual	Forecast	Projected				
	FY23	FY24	FY25	FY26	FY27	FY28	FY29
7300 Permits, Licenses, and Fees							
7301 Permits and Taxes	54,377	59,379	61,161	62,995	64,885	66,832	68,837
7302 Licenses and Certificates	1,467	3,000	3,090	3,183	3,278	3,377	3,478
7303 Memberships to Trade Organizations	13,560	14,115	14,538	14,975	15,424	15,887	16,363
Total 7300 · Permits, Licenses & Fees	69,403	76,494	78,789	81,153	83,587	86,095	88,678
7310 · Legal Counsel	40,918	40,000	41,200	42,436	43,709	45,020	46,371
7330 · Professional Services	114,279	125,000	128,750	132,613	136,591	140,689	144,909
7345 · Training, Education and Conferences	2,647	19,500	20,085	20,688	21,308	21,947	22,606
7400 Janitorial Supplies and Services							
7401 Laundry	6,325	5,000	5,150	5,305	5,464	5,628	5,796
7402 Pest Control	39	350	361	371	382	394	406
7403 Janitorial Supplies	3,786	4,000	4,120	4,244	4,371	4,502	4,637
Total 7400 · Janitorial Supplies & Services	10,150	9,350	9,631	9,919	10,217	10,524	10,839
7410 · Kitchen/Office Supplies/Postage/Misc							
7411 - Office Supplies	13,216	8,500	8,755	9,018	9,288	9,567	9,854
7413 - Postage/Mailing	1,545	1,500	1,545	1,591	1,639	1,688	1,739
7414 - Lunches, business lunches	1,798	1,200	1,236	1,273	1,311	1,351	1,391
7415 - Water, CD Data, Misc Expense	1,451	800	824	849	874	900	927
7416 - Kitchen	1,015	1,000	1,030	1,061	1,093	1,126	1,159
7417 - County Fees	4,629	4,850	4,996	5,145	5,300	5,459	5,622
7418 - Bridge Toll	326		0	0	0	0	0
7419 - Employee Recognition	1,921	4,000	4,120	4,244	4,371	4,502	4,637
Total 7410 · Kitchen/Office Supplies/Postage/Misc	25,901	21,850	22,506	23,181	23,876	24,592	25,330
7420 · Pollution Prevention Program	10,612	14,500	14,935	15,383	15,845	16,320	16,809
7500 Non-Employee Insurance		Plant Insurance >	20.0%	10.0%	10.0%	10.0%	10.0%
7501 Plant Insurance	112,926	118,044	141,653	145,903	150,280	154,788	159,432
Total 7500 · Non-Employee Insurance	112,926	118,044	141,653	145,903	150,280	154,788	159,432
7502 · Workmen's Comp	34,434	35,000	36,050	37,132	38,245	39,393	40,575
7600 · Safety Clothing & Equipment	10,102	17,500	18,025	18,566	19,123	19,696	20,287
7650 · Regulatory Payments		0	0	0	0	0	0
7652 · Grant Program	13,500	30,000	30,900	31,827	32,782	33,765	34,778
7700 · Interest Expense-Loans	31,000						
7701 · Bank and Credit Card Fees	76	100	103	106	109	113	116
7800 · Depreciation Expense							
Total Operating Expenses	2,496,343	2,903,664	3,211,860	3,478,094	3,598,893	3,724,467	3,855,040
DEBT SERVICE							
SRF Loan Payment Transfers							
C-06-8004-110	111,669	111,669	111,669	111,669	111,669	111,669	111,669
C-06-8004-120	278,491	278,491	278,491	278,491	278,491	278,491	278,491
C-06-8004-130	345,975	345,975	345,975	345,975	345,975	345,975	345,975
C-06-8004-140	114,681	114,681	114,681	114,681	114,681	114,681	114,681
C-06-8004-150	<u>104,801</u>	<u>104,801</u>	<u>104,801</u>	<u>104,801</u>	<u>104,801</u>	<u>104,801</u>	<u>104,801</u>
Total SRF Loan Payments	955,617	955,617	955,617	955,617	955,617	955,617	955,617
New Debt Issue Cash Flow							
Disbursement Amounts							
2025 CSDA Finance Corp			(1,850,000)	0	0	0	0
2026 CSDA Finance Corp			0	(1,750,000)	0	0	0
2027 CSDA Finance Corp			0	0	0	0	0
2028 CSDA Finance Corp			0	0	0	(1,750,000)	0
Annual Debt Payments							
2025 CSDA Finance Corp				151,177	151,177	151,177	151,177
2026 CSDA Finance Corp					143,888	143,888	143,888
2027 CSDA Finance Corp						0	0
2028 CSDA Finance Corp							143,888
Total New Debt Cash Flow			(1,850,000)	(1,598,823)	295,066	(1,454,934)	438,954
CAPITAL IMPROVEMENT PROGRAM (CIP)							
All Projects	464,498	732,250	2,062,500	2,180,000	757,500	1,770,000	247,500
SUMMARY							
Income	4,102,807	4,461,422	4,810,471	5,209,156	5,619,167	5,985,504	6,471,429
Operating Expenses	(2,496,343)	(2,903,664)	(3,211,860)	(3,478,094)	(3,598,893)	(3,724,467)	(3,855,040)
Capital Expenses	(464,498)	(732,250)	(2,062,500)	(2,180,000)	(757,500)	(1,770,000)	(247,500)
SRF Loan Payment Transfers	(955,617)	(955,617)	(955,617)	(955,617)	(955,617)	(955,617)	(955,617)
New Debt Issues							
Disbursement Amount			1,850,000	1,750,000	0	1,750,000	0
Annual Debt Payments			0	(151,177)	(295,066)	(295,066)	(438,954)
Beginning Balance	2,717,485	2,903,834	2,773,724	3,204,218	3,398,485	3,410,577	4,400,932
Ending Balance	2,903,834	2,773,724	3,204,218	3,398,485	3,410,577	4,400,932	5,375,250

Appendix B: Sewer Service Charges Calculations

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Table B-1
 FY 2024-25 Revenue Required from SSCs

		FY 2024-25 Revenue Required from SSCs											Annual and Rate per hcf	
		<div style="text-align: center;">\$4,141,098</div> Unit Costs												
No. of Units	Customer Class	Strength mg/l		Avg Flow gpd	Volume hcf/yr	Volume mg/yr	BOD lbs/yr	SS mlbs/yr	Flow	BOD	SS	Admin	Total	
		BOD	SS						/1000 gal	/1000 lb	/1000 lb	/Acct-Mo		
								\$4.869	\$1.614	\$1.838	\$44.40			
2,309	Single Family	230	235	175	197,149	147	282,910	289,061	\$718	\$457	\$531	\$1,230	\$2,936	\$1,272.00
573	Multiple Family (dwelling units)	230	235	175	48,924	37	70,207	71,733	\$178	\$113	\$132	\$305	\$729	\$1,272.00
250	CCC Housing Authority-Bayo Vista	230	235	175	21,346	16	30,631	31,297	\$78	\$49	\$58	\$133	\$318	\$1,272.00
26	Mobile Home (dwelling units)	230	235	175	2,220	2	3,186	3,255	\$8	\$5	\$6	\$14	\$33	\$1,272.00
10	Churches	230	235	73	355	0.3	509	521	\$1	\$1	\$1	\$5	\$8	\$8.65
8	Schools/Day Care/Rec.	230	235	834	3,257	2.4	4,674	4,775	\$12	\$8	\$9	\$4	\$32	\$8.65
1	Laundromat	350	375	3,685	1,798	1.3	3,926	4,207	\$7	\$6	\$8	\$1	\$21	\$11.47
29	Commercial Professional	350	375	105	1,489	1.1	3,252	3,484	\$5	\$5	\$6	\$15	\$33	\$11.47
2	Hospitals/Clinics	350	375	75	73	0.1	159	171	\$0	\$0	\$0	\$1	\$2	\$11.47
1	Bars w/o Dining	350	375	94	46	0.0	100	108	\$0	\$0	\$0	\$1	\$1	\$11.47
5	Gasoline/Service/Wrecking	350	375	160	391	0.3	854	915	\$1	\$1	\$2	\$3	\$7	\$11.47
0	Commercial Laundries				0									
4	Restaurants/Food Service	900	800	268	524	0.4	2,942	2,615	\$2	\$5	\$5	\$2	\$14	\$21.88
1	Food Markets w/Bakery/Deli	900	800	141	69	0.1	387	344	\$0	\$1	\$1	\$1	\$2	\$21.88
0	Bakeries				0									
1	Mixed Use Parcel 1	465	433	1,226	598	0.4	1,734	1,615	\$2	\$3	\$3	\$1	\$8	\$13.29
1	Mixed Use Parcel 2	332	329	588	287	0.2	595	589	\$1	\$1	\$1	\$1	\$4	\$10.76
3,222	Total				278,526	208	406,067	414,689	\$1,014	\$656	\$762	\$1,717	\$4,149	

Table B-2
 FY 2025-26 Revenue Required from SSCs

		FY 2025-26 Revenue Required from SSCs											Annual and Rate per hcf	
		\$4,472,386												
		Unit Costs												
No. of Units	Customer Class	Strength mg/l		Avg Flow gpd	Volume hcf/yr	Volume mg/yr	BOD lbs/yr	SS mlbs/yr	Flow	BOD	SS	Admin	Total	
		BOD	SS						/1000 gal	/1000 lb	/1000 lb	/Acct-Mo		
								\$5.258	\$1.744	\$1.985	\$48.00			
2,309	Single Family	230	235	175	197,149	147	282,910	289,061	\$775	\$493	\$574	\$1,330	\$3,172	\$1,368.00
573	Multiple Family (dwelling units)	230	235	175	48,924	37	70,207	71,733	\$192	\$122	\$142	\$330	\$787	\$1,368.00
250	CCC Housing Authority-Bayo Vista	230	235	175	21,346	16	30,631	31,297	\$84	\$53	\$62	\$144	\$343	\$1,368.00
26	Mobile Home (dwelling units)	230	235	175	2,220	2	3,186	3,255	\$9	\$6	\$6	\$15	\$36	\$1,368.00
10	Churches	230	235	73	355	0.3	509	521	\$1	\$1	\$1	\$6	\$9	\$9.35
8	Schools/Day Care/Rec.	230	235	834	3,257	2.4	4,674	4,775	\$13	\$8	\$9	\$5	\$35	\$9.35
1	Laundromat	350	375	3,685	1,798	1.3	3,926	4,207	\$7	\$7	\$8	\$1	\$23	\$12.38
29	Commercial Professional	350	375	105	1,489	1.1	3,252	3,484	\$6	\$6	\$7	\$17	\$35	\$12.38
2	Hospitals/Clinics	350	375	75	73	0.1	159	171	\$0	\$0	\$0	\$1	\$2	\$12.38
1	Bars w/o Dining	350	375	94	46	0.0	100	108	\$0	\$0	\$0	\$1	\$1	\$12.38
5	Gasoline/Service/Wrecking	350	375	160	391	0.3	854	915	\$2	\$1	\$2	\$3	\$8	\$12.38
0	Commercial Laundries				0									
4	Restaurants/Food Service	900	800	268	524	0.4	2,942	2,615	\$2	\$5	\$5	\$2	\$15	\$23.63
1	Food Markets w/Bakery/Deli	900	800	141	69	0.1	387	344	\$0	\$1	\$1	\$1	\$2	\$23.63
0	Bakeries				0									
1	Mixed Use Parcel 1	465	433	1,226	598	0.4	1,734	1,615	\$2	\$3	\$3	\$1	\$9	\$14.35
1	Mixed Use Parcel 2	332	329	588	287	0.2	595	589	\$1	\$1	\$1	\$1	\$4	\$11.62
3,222	Total				278,526	208	406,067	414,689	\$1,096	\$708	\$823	\$1,856	\$4,483	

Table B-3
 FY 2026-27 Revenue Required from SSCs

		FY 2026-27 Revenue Required from SSCs											Annual and Rate per hcf	
		<div style="text-align: center;">\$4,874,900</div> <div style="text-align: center;">Unit Costs</div>												
No. of Units	Customer Class	Strength mg/l		Avg Flow gpd	Volume hcf/yr	Volume mg/yr	BOD lbs/yr	SS mlbs/yr	Flow	BOD	SS	Admin	Total	
		BOD	SS						/1000 gal	/1000 lb	/1000 lb	/Acct-Mo		
								\$5.731	\$1.901	\$2.163	\$51.60			
2,309	Single Family	230	235	175	197,149	147	282,910	289,061	\$845	\$538	\$625	\$1,430	\$3,438	\$1,488.00
573	Multiple Family (dwelling units)	230	235	175	48,924	37	70,207	71,733	\$210	\$133	\$155	\$355	\$853	\$1,488.00
250	CCC Housing Authority-Bayo Vista	230	235	175	21,346	16	30,631	31,297	\$92	\$58	\$68	\$155	\$372	\$1,488.00
26	Mobile Home (dwelling units)	230	235	175	2,220	2	3,186	3,255	\$10	\$6	\$7	\$16	\$39	\$1,488.00
10	Churches	230	235	73	355	0.3	509	521	\$2	\$1	\$1	\$6	\$10	\$10.19
8	Schools/Day Care/Rec.	230	235	834	3,257	2.4	4,674	4,775	\$14	\$9	\$10	\$5	\$38	\$10.19
1	Laundromat	350	375	3,685	1,798	1.3	3,926	4,207	\$8	\$7	\$9	\$1	\$25	\$13.50
29	Commercial Professional	350	375	105	1,489	1.1	3,252	3,484	\$6	\$6	\$8	\$18	\$38	\$13.50
2	Hospitals/Clinics	350	375	75	73	0.1	159	171	\$0	\$0	\$0	\$1	\$2	\$13.50
1	Bars w/o Dining	350	375	94	46	0.0	100	108	\$0	\$0	\$0	\$1	\$1	\$13.50
5	Gasoline/Service/Wrecking	350	375	160	391	0.3	854	915	\$2	\$2	\$2	\$3	\$8	\$13.50
0	Commercial Laundries				0									
4	Restaurants/Food Service	900	800	268	524	0.4	2,942	2,615	\$2	\$6	\$6	\$2	\$16	\$25.76
1	Food Markets w/Bakery/Deli	900	800	141	69	0.1	387	344	\$0	\$1	\$1	\$1	\$2	\$25.76
0	Bakeries				0									
1	Mixed Use Parcel 1	465	433	1,226	598	0.4	1,734	1,615	\$3	\$3	\$3	\$1	\$10	\$15.64
1	Mixed Use Parcel 2	332	329	588	287	0.2	595	589	\$1	\$1	\$1	\$1	\$4	\$12.66
3,222	Total				278,526	208	406,067	414,689	\$1,194	\$772	\$897	\$1,995	\$4,858	

Table B-4
 FY 2027-28 Revenue Required from SSCs

		FY 2027-28 Revenue Required from SSCs											Annual and Rate per hcf	
		<div style="text-align: center;">\$5,313,641</div> <div style="text-align: center;">Unit Costs</div>												
No. of Units	Customer Class	Strength mg/l		Avg Flow gpd	Volume hcf/yr	Volume mg/yr	BOD lbs/yr	SS mlbs/yr	Flow	BOD	SS	Admin	Total	
		BOD	SS						/1000 gal	/1000 lb	/1000 lb	/Acct-Mo		
								\$6.247	\$2.072	\$2.358	\$56.40			
2,309	Single Family	230	235	175	197,149	147	282,910	289,061	\$921	\$586	\$682	\$1,563	\$3,752	\$1,620.00
573	Multiple Family (dwelling units)	230	235	175	48,924	37	70,207	71,733	\$229	\$145	\$169	\$388	\$931	\$1,620.00
250	CCC Housing Authority-Bayo Vista	230	235	175	21,346	16	30,631	31,297	\$100	\$63	\$74	\$169	\$406	\$1,620.00
26	Mobile Home (dwelling units)	230	235	175	2,220	2	3,186	3,255	\$10	\$7	\$8	\$18	\$42	\$1,620.00
10	Churches	230	235	73	355	0.3	509	521	\$2	\$1	\$1	\$7	\$11	\$11.10
8	Schools/Day Care/Rec.	230	235	834	3,257	2.4	4,674	4,775	\$15	\$10	\$11	\$5	\$42	\$11.10
1	Laundromat	350	375	3,685	1,798	1.3	3,926	4,207	\$8	\$8	\$10	\$1	\$27	\$14.71
29	Commercial Professional	350	375	105	1,489	1.1	3,252	3,484	\$7	\$7	\$8	\$20	\$42	\$14.71
2	Hospitals/Clinics	350	375	75	73	0.1	159	171	\$0	\$0	\$0	\$1	\$2	\$14.71
1	Bars w/o Dining	350	375	94	46	0.0	100	108	\$0	\$0	\$0	\$1	\$1	\$14.71
5	Gasoline/Service/Wrecking	350	375	160	391	0.3	854	915	\$2	\$2	\$2	\$3	\$9	\$14.71
0	Commercial Laundries				0									
4	Restaurants/Food Service	900	800	268	524	0.4	2,942	2,615	\$2	\$6	\$6	\$3	\$17	\$28.08
1	Food Markets w/Bakery/Deli	900	800	141	69	0.1	387	344	\$0	\$1	\$1	\$1	\$3	\$28.08
0	Bakeries				0									
1	Mixed Use Parcel 1	465	433	1,226	598	0.4	1,734	1,615	\$3	\$4	\$4	\$1	\$11	\$17.05
1	Mixed Use Parcel 2	332	329	588	287	0.2	595	589	\$1	\$1	\$1	\$1	\$5	\$13.80
3,222	Total				278,526	208	406,067	414,689	\$1,302	\$841	\$978	\$2,181	\$5,301	

Table B-5
 FY 2028-29 Revenue Required from SSCs

		FY 2028-29 Revenue Required from SSCs											Annual and Rate per hcf	
		\$5,791,869												
		Unit Costs												
No. of Units	Customer Class	Strength mg/l		Avg Flow gpd	Volume hcf/yr	Volume mg/yr	BOD lbs/yr	SS mlbs/yr	Flow /1000 gal \$6.809	BOD /1000 lb \$2.258	SS /1000 lb \$2.570	Admin /Acct-Mo \$62.40		Total
2,309	Single Family	230	235	175	197,149	147	282,910	289,061	\$1,004	\$639	\$743	\$1,729	\$4,115	\$1,776.00
573	Multiple Family (dwelling units)	230	235	175	48,924	37	70,207	71,733	\$249	\$159	\$184	\$429	\$1,021	\$1,776.00
250	CCC Housing Authority-Bayo Vista	230	235	175	21,346	16	30,631	31,297	\$109	\$69	\$80	\$187	\$446	\$1,776.00
26	Mobile Home (dwelling units)	230	235	175	2,220	2	3,186	3,255	\$11	\$7	\$8	\$19	\$46	\$1,776.00
10	Churches	230	235	73	355	0.3	509	521	\$2	\$1	\$1	\$7	\$12	\$12.10
8	Schools/Day Care/Rec.	230	235	834	3,257	2.4	4,674	4,775	\$17	\$11	\$12	\$6	\$45	\$12.10
1	Laundromat	350	375	3,685	1,798	1.3	3,926	4,207	\$9	\$9	\$11	\$1	\$30	\$16.04
29	Commercial Professional	350	375	105	1,489	1.1	3,252	3,484	\$8	\$7	\$9	\$22	\$46	\$16.04
2	Hospitals/Clinics	350	375	75	73	0.1	159	171	\$0	\$0	\$0	\$1	\$3	\$16.04
1	Bars w/o Dining	350	375	94	46	0.0	100	108	\$0	\$0	\$0	\$1	\$1	\$16.04
5	Gasoline/Service/Wrecking	350	375	160	391	0.3	854	915	\$2	\$2	\$2	\$4	\$10	\$16.04
0	Commercial Laundries				0									
4	Restaurants/Food Service	900	800	268	524	0.4	2,942	2,615	\$3	\$7	\$7	\$3	\$19	\$30.60
1	Food Markets w/Bakery/Deli	900	800	141	69	0.1	387	344	\$0	\$1	\$1	\$1	\$3	\$30.60
0	Bakeries				0									
1	Mixed Use Parcel 1	465	433	1,226	598	0.4	1,734	1,615	\$3	\$4	\$4	\$1	\$12	\$18.58
1	Mixed Use Parcel 2	332	329	588	287	0.2	595	589	\$1	\$1	\$2	\$1	\$5	\$15.05
3,222	Total				278,526	208	406,067	414,689	\$1,419	\$917	\$1,066	\$2,413	\$5,814	

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