

A Friend to the Environment

F I N A L 2023 Sewer Service Charges Study

Prepared for
Mt. View Sanitary District
Martinez, California
March 2023

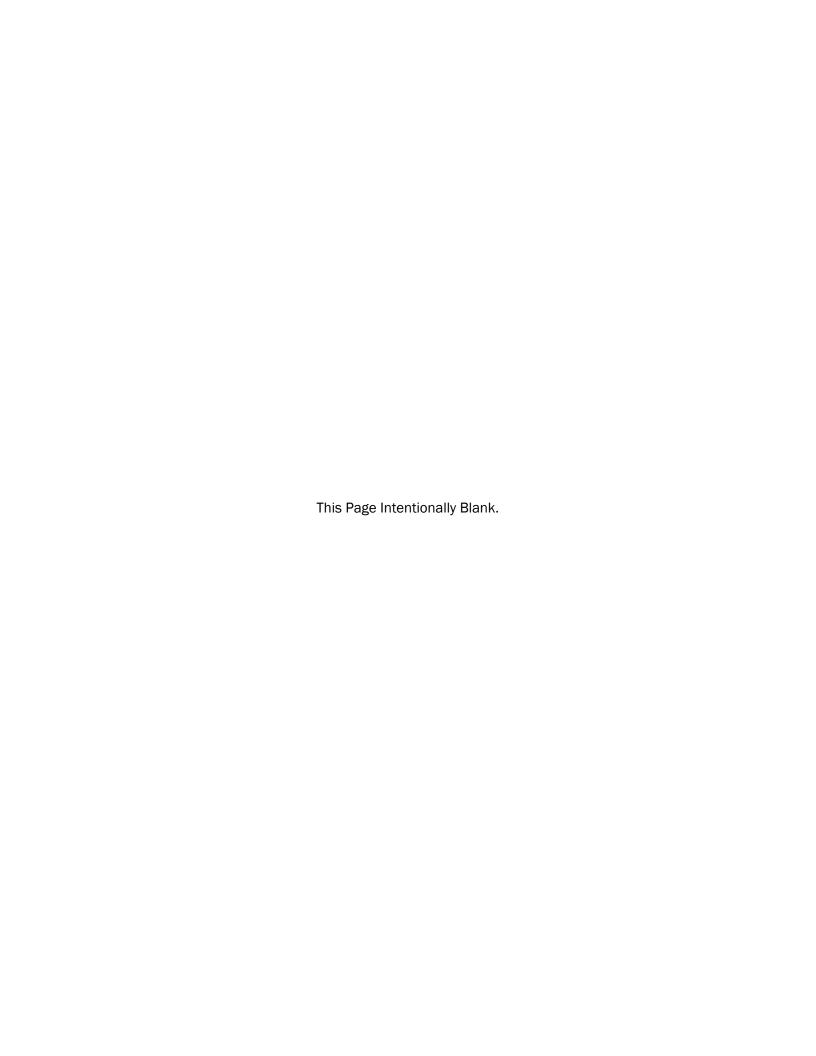


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List of Abbreviations

| BOD | Biochemical Oxygen Demand | NPDES | National Pollutant Discharge Elimination System |
|----------|--|-------|---|
| CCCSD | Central Contra Costa Sanitary District | 0&M | Operation and maintenance |
| CIP | Capital Improvement Program | PMA | Private Meter Agreement |
| Code | Mt. View Sanitary District Code | SOI | Sphere of Influence |
| District | Mt. View Sanitary District | SSC | Sewer Service Charges |
| FRP | Facilities Rehabilitation Program | TSS | Total Suspended Solids |
| FY | Fiscal year (July 1 to June 30) | | |
| FY24 | July 1, 2023 to June 30, 2024 | | |
| gpd | Gallons per Day | | |
| HCF | Hundred Cubic Feet (~ 748.1 gallons) | | |
| MVSD | Mt. View Sanitary District | | |

Executive Summary

In February 2022 the Mt. View Sanitary District (MVSD or District) contracted with Municipal Financial Services to evaluate sewer service charges and recommend a revised schedule of Sewer Service Charges (SSCs). Sewer Service Charges are intended to recover revenues sufficient to adequately fund sewer utility operations, maintenance, and capital replacement expenditures, meet debt service obligations, keep rates as competitive as possible and maintain a prudent level of reserves.

Projected Cash Flow

Beginning and ending fund balances, expenditures and revenues for the next five fiscal years, FY24 – FY28, are summarized in the table below.

Sewer Service Charges recommended for FY24 – FY28 are based on the expenditures and transfers summarized in the table. FY23 revenue from SSCs is projected to be approximately \$8,550,000. Based on recommended SSC increases that average 9.1 percent per year, revenue from SSCs will increase by approximately \$13,000,000 during the five-year period.

Projected capital expenditures for FY24 – FY28 are based on the annual projected capital expenditures provided by the District for minor capital expenditures (\$4,100,000) and major capital expenditures (\$51,500,000) from the District's 20-year plan. Major capital projects from the 20-year plan are funded at 80 percent of the planned expenditures. For example, FY25 capital expenditures of approximately \$6,400,000 in the 20-year plan are funded at approximately \$5,100,000. The total difference for FY24 – FY28 is approximately \$4,700,000. Annual debt service for the 2018 loan and 2021 loan totals approximately \$847,000. Both loans have 20-year maturities.

| Table ES-1. Fund Ba | lances, Revenue a | nd Expenditu | res for FY24 | - FY28 | | |
|---|-------------------|--------------|--------------|--------|-------|-------|
| | | | | | | % of |
| Item, \$ millions | 3409 | 3410 | 3412 | 3415 | Total | Total |
| Beginning Balances, July 1, 2023 | 3.9 | 0.7 | 6.9 | 0.0 | 11.5 | |
| Revenues | | | | | | |
| Sewer Service Charges | 55.8 | 0.0 | 0.0 | 0.0 | 55.8 | 91.9% |
| Ad Valorem Taxes | 2.2 | 0.0 | 0.0 | 0.0 | 2.2 | 3.6% |
| Interest | 0.1 | 0.03 | 0.1 | 0.0 | 0.3 | 0.5% |
| Other | 2.2 | 0.0 | 0.2 | 0.0 | 2.5 | 4.0% |
| Total Revenues | 60.3 | 0.03 | 0.3 | 0.0 | 60.7 | 100% |
| Expenditures | | | | | | |
| Operations & Maintenance | 41.4 | 0.0 | 0.0 | 0.0 | 41.4 | 62% |
| Capital Projects | 0.0 | 2.0 | 18.7 | 0.0 | 20.7 | 31% |
| Debt Service | 0.0 | 0.0 | 0.0 | 4.2 | 4.2 | 6% |
| Total Expenditures | 41.4 | 2.0 | 18.7 | 4.2 | 66.3 | 100% |
| Interfund Transfers | (17.9) | 2.2 | 11.5 | 4.2 | 0.0 | |
| Ending Balances, July 1, 2028 | 4.9 | 0.9 | 0.1 | 0.0 | 5.9 | |
| Ending Balance Reserve Target, July 1, 2028 | 5.3 | 1.0 | 1.5 | | 7.8 | |

Total fund balances are projected to decrease from \$11,500,000 to \$5,900,000. Total FY28 ending balances of \$5,900,000 are approximately \$1,900,000 below the target level of \$7,800,000. Ending balances for the following year, FY29, are projected to exceed target levels.

Customer Wastewater Discharge Characteristics

As part of the 2017 Study, 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 Wastewater Treatment 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 wastewater system. Changes in Flow and BOD/TSS concentrations for Apartments/Mobile Homes and General Commercial customer classes were implemented over a five-year period – from FY18 through FY22. Changes to customer characteristics are now fully incorporated into the rates. Changes in flow and strength adopted as part of the 2017 Study are listed in the table below. Text in red color indicates values that are changed from the prior year.

| | | Adopte | d Flows and Bo | OD/TSS | |
|---|------------|------------|----------------|------------|------------|
| Rate Structure Feature | FY18 | FY19 | FY20 | FY21 | FY22 |
| SINGLE FAMILY FLOW AND BOD/TSS CONCENTRATIONS | | | | | |
| Residential Average Daily Flow (gpd) | 150 | 150 | 150 | 150 | 150 |
| Residential Average BOD/TSS (mg/L) | 287 | 287 | 287 | 287 | 287 |
| APARTMENT/MOBILE HOME UNITS FLOW AND BOD/TSS | | | | | |
| CONCENTRATIONS | | | | | |
| Apartment Units Average Daily Flow (gpd) | 143 | 138 | 129 | 120 | 113 |
| Percent of Residential Flow | <i>95%</i> | <i>92%</i> | <i>86%</i> | <i>80%</i> | <i>75%</i> |
| Apartment Units Average BOD/TSS (mg/L) | 287 | 287 | 287 | 287 | 287 |
| COMMERCIAL GROUP 1 BOD/TSS CONCENTRATIONS | | | | | |
| General Commercial Average Daily Flow (gpd) | varies | varies | varies | varies | varies |
| General Commercial Average BOD/TSS (mg/L) | 250 | 259 | 268 | 277 | 287 |
| Percent of Residential BOD/TSS | 87% | 90% | 93% | 97% | 100% |

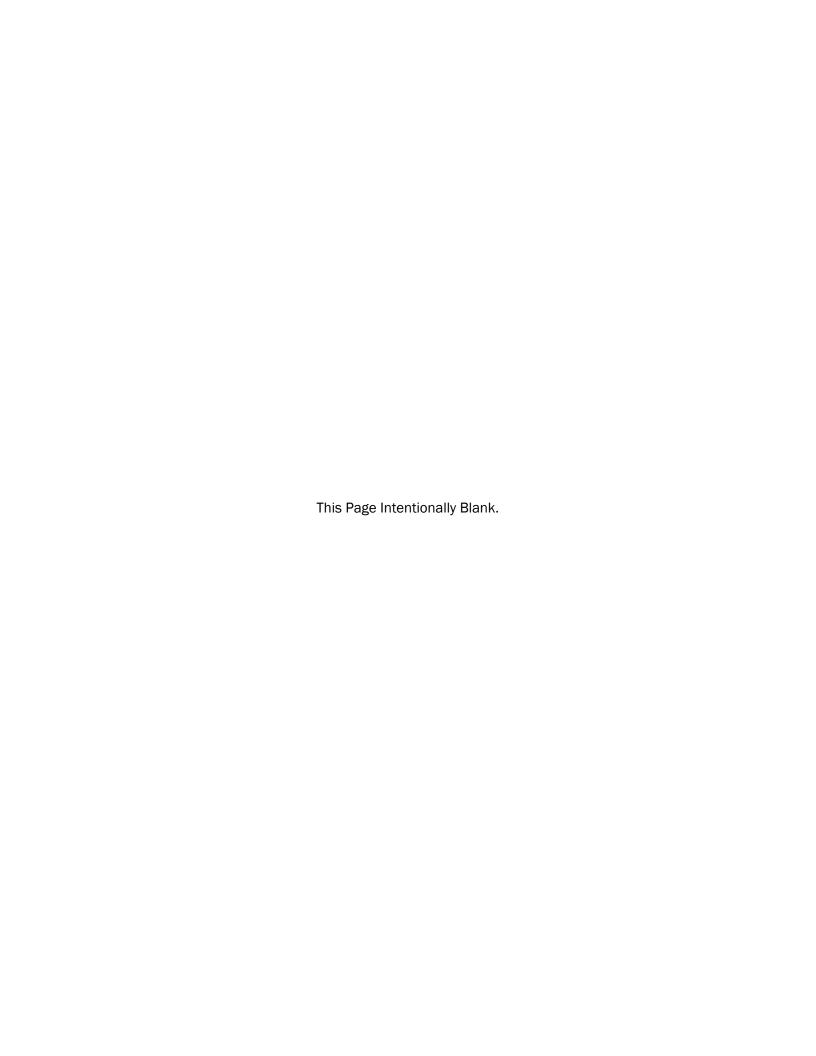
Recommended Sewer Service Charges

Recommended sewer service charges are shown in the table below. Note that except for about 20 accounts, sewer service charges are collected on the Contra Costa County tax roll. Charges not collected on the tax roll are billed directly to customers by the District.

| | Table ES-3. Current | and Recomm | ended Unit Cos | ts and Sewer S | Service Charge | s | | | | |
|------------------------------------|---------------------------------|----------------|-------------------|----------------|-----------------|-----------|----------|--|--|--|
| Customer | Billing | Current | | Recommen | ded Five-Year R | Rate Plan | | | | |
| Class | Units | FY23 | FY24 | FY25 | FY26 | FY27 | FY28 | | | |
| Unit Costs | | | | | | | | | | |
| Flow | \$ per million gallons | \$8,965 | \$9,771 | \$10,651 | \$11,609 | \$12,654 | \$13,793 | | | |
| BOD | \$ per 1000 pounds | \$1.18 | \$1.29 | \$1.40 | \$1.53 | \$1.67 | \$1.82 | | | |
| TSS | \$ per 1000 pounds | \$1.29 | \$1.40 | \$1.53 | \$1.67 | \$1.82 | \$1.98 | | | |
| SSCs | % incr. > | 10.0% | 9.1% | 9.5% | 8.6% | 9.1% | 9.4% | | | |
| Residential * | Annual | \$814.20 | \$888 | \$972 | \$1,056 | \$1,152 | \$1,260 | | | |
| Apt/MH Units | Annual | \$652.20 | \$708 | \$768 | \$840 | \$912 | \$996 | | | |
| Nonresidential | | | | | | | | | | |
| Group 1 | \$ per HCF | \$11.04 | \$12.05 | \$13.15 | \$14.35 | \$15.65 | \$17.05 | | | |
| Group 1A | \$ per HCF | \$11.04 | \$12.05 | \$13.15 | \$14.35 | \$15.65 | \$17.05 | | | |
| Group 2 | \$ per HCF | \$12.12 | \$13.20 | \$14.40 | \$15.70 | \$17.10 | \$18.65 | | | |
| Group 3 | \$ per HCF | \$15.36 | \$16.75 | \$18.25 | \$19.90 | \$21.70 | \$23.65 | | | |
| Group 4 | \$ per HCF | \$16.68 | \$18.20 | \$19.85 | \$21.65 | \$23.60 | \$25.70 | | | |
| Group 5 | \$ per HCF | \$18.96 | \$20.65 | \$22.50 | \$24.55 | \$26.75 | \$29.15 | | | |
| PMAs ** | \$ per HCF | \$14.80 | \$16.15 | \$17.60 | \$19.20 | \$20.95 | \$22.85 | | | |
| VA Clinic | \$ per HCF | \$11.04 | \$12.05 | \$13.15 | \$14.35 | \$15.65 | \$17.05 | | | |
| Recommended as | nd Forecast SSCs for Residentia | l and Apt/MH a | re rounded to the | nearest \$12. | | | | | | |

Recommended and Forecast SSCs based on HCF are rounded to the nearest \$0.05.

The SSCs for accounts with PMAs (Private Meter Agreements) are the average for the class.



Introduction

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

1.1 Wastewater Management System Description

MVSD is an independent district, formed in 1923 pursuant to the Sanitary District Act of 1923 (Health & Safety Code §6400 et seq.). MVSD serves an estimated population of 22,000 residents consisting of approximately 7,912 residential and 314 commercial, industrial and institutional sewer connections. The District's service area is approximately 4.7 square miles. The District's sphere of influence (SOI)

encompasses an additional 1.6 square miles and primarily includes an area of 1.46 square miles of industrially zoned land to the north of the District's boundary as well as an island within the center of the District of 0.14 square miles that is in agricultural use. The SOI area to the north of the District is designated as heavy industrial to the west of I-680 and open space and parks and recreation to the east of I-680.



The District's wastewater collection system is

located in the rolling hills in and surrounding Martinez and serves three zones or watersheds. The collection system includes four pumping stations and 73 miles of sewer pipelines ranging in diameter from 6 to 24 inches.

MVSD provides wastewater collection, treatment, and disposal services for the northeasterly portion of the City of Martinez and adjacent unincorporated lands to the northeast. The plant receives approximately 1.45 million gallons per day during dry weather.

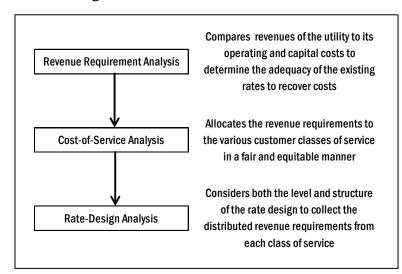
The District collaborates with the Central Contra Costa Sanitary District (CCCSD) to provide a permanent Household Hazardous Waste Collection facility and disposal services for the central portion of the county. MVSD has a franchise agreement with Allied Waste (parent company to Pleasant Hill Bayshore Disposal) for Allied Waste to provide trash collection, recycling, and disposal services within the unincorporated area of MVSD's boundaries. The effluent is comprised of approximately 90% residential and 10% small business waste.

1.2 Regulatory Requirements

The updated Sewer Service Charges (SSCs) recommended in this study will fulfill the requirements found in the *Revenue Program Guidelines* published by the California Environmental Protection Agency's State Water Resource Control Board from its Policy for Implementing the State Revolving Fund for Construction of Wastewater Treatment Facilities.

1.3 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.



The District previously completed a sewer rate study in 2017 (2017 Study). The study included a revenue analysis, cost-of-service analysis and rate-design analysis.

The current rate study includes an updated revenue requirement analysis. Rate-design changes and cost-of-service allocation adjustments recommended in the 2017 Study are now fully incorporated into the current and recommended rate structures.

Figure 1-1. Overview of Rate Setting Analytical Steps

1.4 Financial and Parcel Data

Information and data for the development of wastewater rates include a number of documents provided by the District. The list of documents, and the key information and data from each used in this study, are summarized below.

Mt. View Sanitary District 2022-23 Fiscal Year Budget

MVSD operates under a fiscal year budget cycle beginning July 1 and ending June 30. The District's Budget is balanced and consistent in its commitment to provide for the long-term continued provision of services to the District's ratepayers.

Mt. View Sanitary District Financial Statements

The Financial Statements provide discussion and analysis of District financial performance and financial activities for a fiscal year ended June 30. The District's financial statements present a balance sheet; statement of revenues, expenses and changes in net position; and statement of cash flows.

Mt. View Sanitary District, District Financial Reserves Policy, No. 3125

The District Financial Reserves Policy sets policy to enable realistic long-term planning, to assist with effective development of annual budgets, and to promote clear communications with the general public and District.

Mt. View Sanitary District Capital Project Expenditure Program

Capital expenditures are from the District's "10-year CIP Update" spreadsheet provided on June 16, 2022. The document includes capital expenditure estimates for FY23 – FY42.

2018 Installment Sales Agreement #18-015

The District and Municipal Finance Corporation entered into an Installment Sale Agreement on October 1, 2018, to affect the issuance of debt and acquisition of \$6,000,000 in funds by the District to pay for capital projects defined in the Installment Sale Agreement.¹ Installment payments for the Series 2018 Debt Agreement are \$449,344.52 due every October from 2019 through 2038 (20 years). Covenants of the District in the Series 2018 Debt Agreement require the District to maintain rates and charges for the Sewer System at a level that yields "Net Revenues" (all revenues net of operation and maintenance expenses) at least greater or equal to 115 percent of the debt service installment payments for a fiscal year.

2021 Installment Purchase Contract

On June 1, 2021, the District entered into an arrangement with Municipal Finance Corporation in the form of an installment purchase agreement to finance the acquisition, construction and installation of certain additions, betterments, extensions or improvements to the District sewer system. The agreement, fully funded in June 2021 and maturing in June 2041, calls for MFC to provide an advance payment of \$6,000,000 to the District in exchange for a series of twenty (40) semi-annual principal and interest installment payments. Interest accrues annually at a fixed rate of 2.90% on the unpaid principal. Title to the components of the 2021 Project immediately and automatically vest in the District upon their acquisition and construction. Covenants of the District in the Series 2018 Debt Agreement require the District to maintain rates and charges for the Sewer System at a level that yields "Net Revenues" (all revenues net of operation and maintenance expenses) at least greater or equal to 115 percent of the debt service installment payments for a fiscal year.

Parcel Billing Data

Parcel billing data is from the Mt. View Sanitary District 2022-23 Fiscal Year Sewer Service Charge Report and an extract from the District GIS (Geographic Information System) data base.

Evaluation of Sewer Service Charges

Current sewer service charges were based on recommendations presented in a report dated April 9, 2020, titled, "Revised Final 2020 Sewer Service Charges Study." The recommended charges were revised by direction of the Board of Directors in their June 11, 2020, meeting.

¹ Municipal Finance Corporation and Municipal Financial Services have no affiliations or relations with each other. The similarity in names is a coincidence.

1.5 Sewer Service Charges Approved in 2020

During June 2020, the District's Board of Directors adopted Ordinance No. 2020-129, *Promulgating General Regulation No. 129 Adopting and Establishing a 3-year Schedule of Charges and Fees for Fiscal Years 2020-2021 through 2022-2023*. A list of prior (FY20) and FY21, FY22 and FY23 SSCs approved by the Board are shown in the table below.

| | Table 1-1. Adopted Sewer Service Charges FY20 - FY 23 | | | | | | | | | | | | | |
|----------------------------|---|--------------------------|----------|-----------------|-------------|------|------|------|--|--|--|--|--|--|
| | | Prior | Appr | oved in June 20 |) <u>20</u> | | | | | | | | | |
| Customer | | FY20 FY21 FY22 FY23 Perc | | | | | | | | | | | | |
| Class | Unit | Rates | Rates | Rates | Rates | FY21 | FY22 | FY23 | | | | | | |
| Residential | Annual | \$615.60 | \$672.84 | \$740.16 | \$814.20 | 9% | 10% | 10% | | | | | | |
| Apt/MH Units | Annual | \$530.16 | \$539.04 | \$592.92 | \$652.20 | 2% | 10% | 10% | | | | | | |
| Group 1 | \$ per HCF | \$8.16 | \$9.20 | \$10.08 | \$11.04 | 13% | 10% | 10% | | | | | | |
| Group 1A | \$ per HCF | \$8.41 | \$9.20 | \$10.08 | \$11.04 | 9% | 10% | 10% | | | | | | |
| Group 2 | \$ per HCF | \$9.17 | \$10.00 | \$11.04 | \$12.12 | 9% | 10% | 10% | | | | | | |
| Group 3 | \$ per HCF | \$11.52 | \$12.60 | \$13.92 | \$15.36 | 9% | 10% | 10% | | | | | | |
| Group 4 \$ per HCF \$12.53 | | \$12.53 | \$13.70 | \$15.12 | \$16.68 | 9% | 10% | 10% | | | | | | |
| Group 5 | \$ per HCF | \$14.38 | \$15.70 | \$17.28 | \$18.96 | 9% | 10% | 10% | | | | | | |

1.6 Private Meter Agreements

Customers with Private Meter Agreements (PMAs) are charged based upon wastewater flows estimates for each wastewater discharge point source multiplied by the corresponding Sewer Service Charge for that source. Section 7.2.5.4 from the District Code that describes PMAs is included below.

7.2.5.4 Private Meter Agreement. When multiple non-residential establishments with different strength sewage are served by a single public potable water meter, the Owner may install at the Owner's expense, a submeter or meters of a type and at a location(s) approved by the District. Private meters shall be installed in such a manner as to clearly differentiate between or among the quantities discharged by each establishment according to strength of sewage and Sewer Service Charge rate. Such meter(s) shall be tested for accuracy at the expense of the User when deemed necessary by the District Manager. (Ord. No. 2013-111)

A Private Meter Agreement shall be entered into by property owner with the District in a form approved by the District Manager. The initial cost and minimum annual charge for development and annual administration of a Private Meter Agreement shall be the actual costs incurred by the District. The District's annual charge to administer Private Meter Agreements shall not be less than the amount shown in Table 7-1. (Ord. No. 2010-102). The form of the agreement shall be prescribed by the District Manager. The Owner shall pay all costs required for the preparation and administration of the agreement and for reading, recording and submitting sub-meter readings in a form and frequency required by the District Manager. The Private Meter Agreement shall be recorded in the office of the County Recorder. (Ord. No. 2013-111).

Summary of Users and Wastewater Discharge Characteristics

The purpose of this section is to summarize the identification of residential and commercial users and their corresponding wastewater characteristics in terms of wastewater flow and wastewater strength.

2.1 Customer Wastewater Discharge Characteristics

As part of the 2017 Study, 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 Wastewater Treatment 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.

Changes in Flow and BOD/TSS concentrations for Apartments/Mobile Homes and General Commercial accounts were to be implemented over a five-year period – from FY18 through FY22. As a result of the changes in flow and strength over time, the adopted sewer service charges vary from those developed for other customer classes with flow and strength characteristics that do not vary over those years.

Changes in flow and strength adopted as part of the 2017 Study are listed in the table below. Text in red color indicates values that are changed from the prior year. Changes to customer characteristics are now fully incorporated into the rates.

| | Adopted Flows and BOD/TSS | | | | | | | | | | |
|---|---------------------------|-------------|------------|------------|------------|--|--|--|--|--|--|
| Rate Structure Feature | FY18 | FY19 | FY20 | FY21 | FY22 | | | | | | |
| SINGLE FAMILY FLOW AND BOD/TSS CONCENTRATIONS | | | | | | | | | | | |
| Residential Average Daily Flow (gpd) | 150 | 150 | 150 | 150 | 150 | | | | | | |
| Residential Average BOD/TSS (mg/L) | 287 | 287 | 287 | 287 | 287 | | | | | | |
| APARTMENT/MOBILE HOME UNITS FLOW AND BOD/TSS | | | | | | | | | | | |
| CONCENTRATIONS | | | | | | | | | | | |
| Apartment Units Average Daily Flow (gpd) | 143 | 138 | 129 | 120 | 113 | | | | | | |
| Percent of Residential Flow | <i>95%</i> | <i>92</i> % | <i>86%</i> | <i>80%</i> | <i>75%</i> | | | | | | |
| Apartment Units Average BOD/TSS (mg/L) | 287 | 287 | 287 | 287 | 287 | | | | | | |
| COMMERCIAL GROUP 1 BOD/TSS CONCENTRATIONS | | | | | | | | | | | |
| General Commercial Average Daily Flow (gpd) | varies | varies | varies | varies | varies | | | | | | |
| General Commercial Average BOD/TSS (mg/L) | 250 | 259 | 268 | 277 | 287 | | | | | | |
| Percent of Residential BOD/TSS | 87% | 90% | <i>93%</i> | 97% | 100% | | | | | | |

2.2 Number of Accounts

Sewer Service Charges are developed for two residential customer classes and five nonresidential customer classes.

Residential. The residential customer class was changed in 2017 to separate Single Family accounts from Apartments and Mobile Homes accounts due to their significantly different wastewater discharge flows

Nonresidential. Nonresidential customer classes were changed in 2017 to aggregate the 18 nonresidential customer classes into five customer classes. The classes were based on the combined strengths of BOD and TSS (as measured in mg/L).

The approximate number of accounts in each customer class for FY22 are summarized in the table below. The number of residential accounts is increased by 30 in FY24 and 30 in FY25 for planned occupancy in the *Tradition of Meadows* development.

| | | Approximate | 1 | Wastewa | ater Discharge C | Characteristics | | | | |
|-------------|--|-------------|------|---------|------------------|--------------------|--|--|--|--|
| Customer | | Number of | BOD | TSS | BOD + | BOD + TSS Range | | | | |
| Class | Customer Class Description | Accounts | mg/L | mg/L | TSS, mg/L | for Customer Class | | | | |
| Residential | Residential Dwelling Unit | 6,580 | 287 | 287 | 574 | 0 to 600 | | | | |
| Residential | Apartments and Mobile Homes | 2,314 | 287 | 287 | 574 | 0 to 600 | | | | |
| Commercial | | | | | | | | | | |
| Group 1 | Churches, Car wash, General commercial/office, Medical/dental, Public Agency, Schools | 270 | 287 | 287 | 574 | 0 to 600 | | | | |
| Group 1A | Hospital/nursing/clinics - I, Laundromats, Wheeled vehicle temp res/office | 3 | 300 | 275 | 575 | | | | | |
| Group 2 | Café/limited on-site cooking, Hospital/nursing/clinics | 11 | 350 | 350 | 700 | 601 to 1000 | | | | |
| Group 3 | Café/Fast Food-I-NG, Markets/Fast Food-I-NG, Restaurants/Fast Food-I-NG | 12 | 600 | 500 | 1100 | 1001 to 1200 | | | | |
| Group 4 | Café/Fast Food-NI-NG | 9 | 800 | 480 | 1280 | 1201 to 1500 | | | | |
| Group 5 | Markets/Fast Food-NI-NG, Restaurants/Fast Food-NI-NG | 1 | 1000 | 600 | 1600 | 1501 to 1800 | | | | |

Revenue Required from Sewer Service Charges

Sewer Service Charges must adequately fund sewer utility operations, capital expenditures, maintenance of reserves, and bonded debt service payments related to the provision of sewer service. The revenue required from Sewer Service Charges is developed in this section.

Operating and maintenance expenditures and revenues are managed under Fund 3409. The District's program for funding capital improvement is administered under two separate funds, the Facilities Rehabilitation Program (FRP) typically consists of smaller and/or recurring annual capital expenditures and the Capital Improvement Program (CIP) which typically consists of larger capital projects. The FRP, which is managed under fund 3410, is funded primarily with *Ad Valorem* tax revenue. The CIP, which is managed under fund 3412, is funded with Connection Fee and Sewer Service Charge revenues. Fund 3415 is used to manage cash flow related to loan disbursements and payments.

3.1 Fund 3409 Projected Cash Flow

Operating and maintenance expenditures and revenues from Sewer Service Charges are accounted for in Fund 3409. Projected operating and maintenance expenditures for FY22 through FY28 are summarized in the table below.

| | Table 3-1. Fund | 3409 Projec | ted Cash Flo | w FY22 – FY2 | 8 | | |
|-----------------------------------|-----------------|----------------|--------------|--------------|-------------|-------------|-------------|
| | Estimate | Budget | | | Projected | | |
| | FY22 | FY23 | FY24 | FY25 | FY26 | FY27 | FY28 |
| Beginning Fund Balance | 5,754,464 | 6,129,200 | 3,853,700 | 4,127,400 | 4,799,300 | 4,921,100 | 5,243,300 |
| Revenues | | % inc SSC > | 9.0% | 9.0% | 9.0% | 9.0% | 9.0% |
| Sewer Service Charges | 7,622,000 | 8,374,200 | 9,127,900 | 9,949,400 | 10,844,800 | 11,820,800 | 12,884,700 |
| Sewer Service Charges - VA Clinic | 159,800 | 175,780 | 191,600 | 208,800 | 227,600 | 248,100 | 270,400 |
| Ad Valorem Taxes | 452,480 | 437,132 | 437,100 | 437,100 | 437,100 | 437,100 | 437,100 |
| Connection Fees | 36,500 | 37,595 | 37,600 | 37,600 | 37,600 | 37,600 | 37,600 |
| Rents & Leases | 190,296 | 196,005 | 196,000 | 196,000 | 196,000 | 196,000 | 196,000 |
| Permits, Inspections & Fees | 143,404 | 147,706 | 147,700 | 147,700 | 147,700 | 147,700 | 147,700 |
| Interest on LAIF | 4,536 | 28,200 | 25,000 | 26,800 | 31,200 | 32,000 | 34,100 |
| Other Revenues | 62,778 | 64,661 | 64,700 | 64,700 | 64,700 | 64,700 | 64,700 |
| Total Revenues | 8,671,793 | 9,461,279 | 10,227,600 | 11,068,100 | 11,986,700 | 12,984,000 | 14,072,300 |
| Expenditures | | Annual % inc > | 6.0% | 6.0% | 6.0% | 6.0% | 4.0% |
| Salaries & Benefits | 3,836,692 | 4,345,834 | 4,606,600 | 4,883,000 | 5,176,000 | 5,486,600 | 5,706,100 |
| Insurance | 208,809 | 257,570 | 273,000 | 289,400 | 306,800 | 325,200 | 338,200 |
| Collections | 171,314 | 171,160 | 181,400 | 192,300 | 203,800 | 216,000 | 224,600 |
| Treatment Plant | 815,768 | 887,950 | 941,200 | 997,700 | 1,057,600 | 1,121,100 | 1,165,900 |
| Marsh | 80,005 | 111,700 | 118,400 | 125,500 | 133,000 | 141,000 | 146,600 |
| Admin & General | 910,262 | 1,073,100 | 1,137,500 | 1,205,800 | 1,278,100 | 1,354,800 | 1,409,000 |
| Lab | 80,860 | 105,550 | 111,900 | 118,600 | 125,700 | 133,200 | 138,500 |
| Total Expenditures | 6,103,710 | 6,952,864 | 7,370,000 | 7,812,300 | 8,281,000 | 8,777,900 | 9,128,900 |
| Transfers In/Out | | | | | | | |
| Transfer Out - 3410 (Ad Valorem) | (421,097) | (437,132) | (437,100) | (437,100) | (437,100) | (437,100) | (437,100) |
| Transfer Out - 3410 (Expenses) | (8,874) | - | - | - | - | - | - |
| Transfer Out - 3412 (Capital) | - | (3,500,000) | (1,300,000) | (1,300,000) | (2,300,000) | (2,600,000) | (4,000,000) |
| Transfer Out - 3415 (2018 Note) | (449,345) | (449,300) | (449,300) | (449,300) | (449,300) | (449,300) | (449,300) |
| Transfer Out - 3415 (2021 Note) | (397,458) | (397,500) | (397,500) | (397,500) | (397,500) | (397,500) | (397,500) |
| Total Transfers | (1,276,774) | (4,783,932) | (2,583,900) | (2,583,900) | (3,583,900) | (3,883,900) | (5,283,900) |
| Ending Fund Balance | 7,045,773 | 3,853,682 | 4,127,400 | 4,799,300 | 4,921,100 | 5,243,300 | 4,902,800 |

3.2 Capital Improvement Program

The District has three funds related to capital project revenues and expenditures. Small capital projects that do not involve design and engineering such as smaller, recurring capital expenditures, equipment repair and replacement, and maintenance projects, are under Fund 3410. Projects identified in the District Capital Improvement Program (CIP) are managed under Fund 3412 and encompasses larger, long-term projects and studies related to repairs / improvements to, or rehabilitation / replacement of the District's core capital assets.

Fund 3410 is funded with *Ad Valorem* tax revenue. Fund 3412 is funded with Connection Fee and Sewer Service Charge revenues, capacity charge revenues and loan disbursements. Fund 3415 tracks disbursements from loans, transfers from Fund 3409 and transfers to Fund 3412, and principal and interest components of the loan payments.

The following table and figure summarize the categories of capital program projects projected for FY23 – FY42 (20 years): 1) collection system and pump station (Collections); 2) wastewater treatment plant (Plant); 3) marsh-related (Marsh); and 4) strategic initiative (StratInit).

| | | | | | Table | 3-2. | Proje | cted C | Capita | I Prog | ram E | xpend | liture | s FY23 | 3 – FY4 | 12 | | | | | |
|----------------|---------|--------|----------|-------------|-----------|-----------|----------|--------|-----------|-------------|------------|-------------|--------|--------|---------|--------|--------|--------|--------|--------|--------|
| Category | FY23 | FY24 | FY25 | FY26 | FY27 | FY28 | FY29 | FY30 | FY31 | FY32 | FY33 | FY34 | FY35 | FY36 | FY37 | FY38 | FY39 | FY40 | FY41 | FY42 | Total |
| Collections | 986 | 1,157 | 2,369 | 3,304 | 320 | 4,152 | 238 | 3,422 | 1,645 | 2,024 | 264 | 2,035 | 3,022 | 1,979 | 250 | 2,028 | 2,179 | 202 | 285 | 4,796 | 36,657 |
| Plant | 3,062 | 603 | 3,943 | 2,055 | 2,877 | 660 | 10,692 | 2,319 | 2,128 | 145 | 1,848 | 239 | 3,283 | 893 | 4,632 | 3,526 | 1,213 | 251 | 1,449 | 1,338 | 47,156 |
| Marsh | 0 | 0 | 0 | 100 | 230 | 1,307 | 1,225 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 165 | 1,225 | 0 | 0 | 4,252 |
| StratInit | 224 | 105 | 75 | 75 | 50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 529 |
| Total, rounded | 4,270 | 1,870 | 6,390 | 5,530 | 3,480 | 6,120 | 12,160 | 5,740 | 3,770 | 2,170 | 2,110 | 2,270 | 6,310 | 2,870 | 4,880 | 5,550 | 3,560 | 1,680 | 1,730 | 6,130 | 88,590 |
| Cumulative | 4,270 | 6,140 | 12,530 | 18,060 | 21,540 | 27,660 | 39,820 | 45,560 | 49,330 | 51,500 | 53,610 | 55,880 | 62,190 | 65,060 | 69,940 | 75,490 | 79,050 | 80,730 | 82,460 | 88,590 | |
| % of Total | 4.8% | 6.9% | 14.1% | 20.4% | 24.3% | 31.2% | 44.9% | 51.4% | 55.7% | 58.1% | 60.5% | 63.1% | 70.2% | 73.4% | 78.9% | 85.2% | 89.2% | 91.1% | 93.1% | 100.0% | |
| Source: "CIP S | CHEDULE | COST M | ASTER FI | LE.xlsx" fi | rom Chris | Elliot on | 6/16/202 | 2 | Legend: " | 'StratInit' | ' = Strate | gic Initiat | ive | | | | | | | | |

The majority of capital expenditures are in the first ten years, FY23 – FY32. In the first five years expenditures are approximately \$21.5 million (24% of the total). In the second five years expenditures are approximately \$30.0 million (34% of the total).

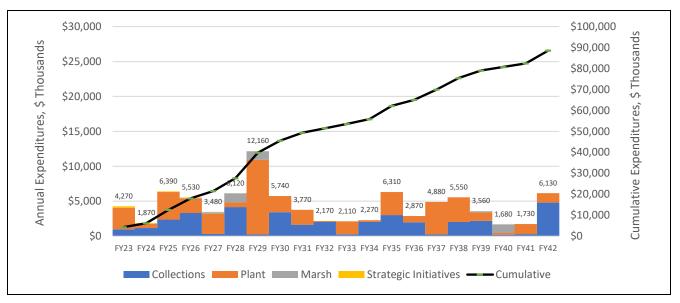


Figure 3-1. Projected Capital Program Expenditures FY23 - FY42

Capital projects from the 20-year plan are funded with revenue from SSCs at 80 percent of the planned expenditures shown in the table and figure. For example, FY25 capital expenditures of approximately \$6,400,000 in the 20-year plan are funded at approximately \$5,100,000. The total difference for FY24 – FY28 is approximately \$4,700,000. Funding for the \$10,692,000 Switchgear & Standby Generator Replacement project in FY29 (the fiscal year following the proposed rate plan) is not expected to be funded from SSC revenues.

3.3 Debt Issuance and Service

In late 2018, the District issued \$6,000,000 in debt to pay for capital projects related to the Phase B - Moorhen Marsh Western Pond Turtle Habitat Enhancement Project; Biotower and Biofilter Rotating Equipment Replacement; UV Disinfection Replacement Project; 2019 Sewage Collection System Project; and the 2019-2020 Plant Electrical Systems Upgrades. Installment payments for the Series 2018 Installment Sales Agreement are \$449,344.52 due every October from 2019 – 2038 (20 years).

In late 2021, the District issued \$6,000,000 in debt to pay for capital projects related to replacement of the UV disinfection system, the sludge dewatering centrifuge replacement, the headworks automatic screening replacement at the District's wastewater treatment plant and various upgrades and replacements to the District's collection system. Installment payments for the Series 2021 Installment Purchase Contract are \$397,458 per year from 2022 – 2041 (20 years). Payments for both loans are summarized in the following table and figure.

| | | | | | | 1 | Table | 3-3. | Loai | ı Agr | eeme | nts P | ayme | ents F | Y20 | - FY4 | 2 | | | | | | | |
|------------------------|--------|--------|---------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|--------------|------|
| | FY20 | FY21 | FY22 | FY23 | FY24 | FY25 | FY26 | FY27 | FY28 | FY29 | FY30 | FY31 | FY32 | FY33 | FY34 | FY35 | FY36 | FY37 | FY38 | FY39 | FY40 | FY41 | FY42 | |
| 2018 Note | | | | | | | | | | | | | | | | | | | | | | | | |
| Pymt # | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | | | <u>Total</u> | |
| Interest | 252 | 244 | 235 | 226 | 217 | 207 | 197 | 186 | 175 | 164 | 152 | 139 | 126 | 112 | 98 | 84 | 68 | 52 | 35 | 18 | | | 2,987 | 33% |
| Principal | 197 | 206 | 214 | 223 | 233 | 242 | 253 | 263 | 274 | 286 | 298 | 310 | 323 | 337 | 351 | 366 | 381 | 397 | 414 | 431 | | | 6,000 | 67% |
| Total | 449 | 449 | 449 | 449 | 449 | 449 | 449 | 449 | 449 | 449 | 449 | 449 | 449 | 449 | 449 | 449 | 449 | 449 | 449 | 449 | | | 8,987 | 100% |
| 2021 Note | | | | | | | | | | | | | | | | | | | | | | | | |
| Pymt # | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | <u>Total</u> | |
| Interest | | | 172 | 166 | 159 | 152 | 145 | 138 | 130 | 122 | 114 | 106 | 97 | 88 | 79 | 70 | 61 | 51 | 41 | 30 | 20 | 8 | 1,949 | 25% |
| Principal | | | 225 | 232 | 238 | 245 | 253 | 260 | 268 | 275 | 283 | 292 | 300 | 309 | 318 | 327 | 337 | 347 | 357 | 367 | 378 | 389 | 6,000 | 75% |
| Total | | | 397.458 | 397 | 397 | 397 | 397 | 397 | 397 | 397 | 397 | 397 | 397 | 397 | 397 | 397 | 397 | 397 | 397 | 397 | 397 | 397 | 7,949 | 100% |
| Total | | | | | | | | | | | | | | | | | | | | | | | Total | |
| Interest | 252 | 244 | 407 | 392 | 376 | 359 | 342 | 324 | 305 | 286 | 266 | 245 | 223 | 201 | 178 | 154 | 129 | 103 | 76 | 48 | 20 | 8 | 4,936 | 29% |
| Principal | 197 | 206 | 439 | 455 | 471 | 488 | 505 | 523 | 542 | 561 | 581 | 602 | 624 | 646 | 669 | 693 | 718 | 744 | 771 | 798 | 378 | 389 | 12,000 | 71% |
| Total | 449 | 449 | 847 | 847 | 847 | 847 | 847 | 847 | 847 | 847 | 847 | 847 | 847 | 847 | 847 | 847 | 847 | 847 | 847 | 847 | 397 | 397 | 16,936 | 100% |
| Cumulative Interest | 0 | 252 | 496 | 903 | 1,295 | 1,671 | 2,030 | 2,371 | 2,695 | 3,000 | 3,286 | 3,551 | 3,796 | 4,019 | 4,220 | 4,398 | 4,552 | 4,681 | 4,784 | 4,860 | 4,908 | 4,928 | 4,936 | |
| Remaining Principal | 12,000 | 11,803 | 11,597 | 11,158 | 10,703 | 10,232 | 9,744 | 9,239 | 8,716 | 8,174 | 7,613 | 7,031 | 6,429 | 5,806 | 5,160 | 4,491 | 3,798 | 3,080 | 2,336 | 1,565 | 767 | 389 | 0 | |

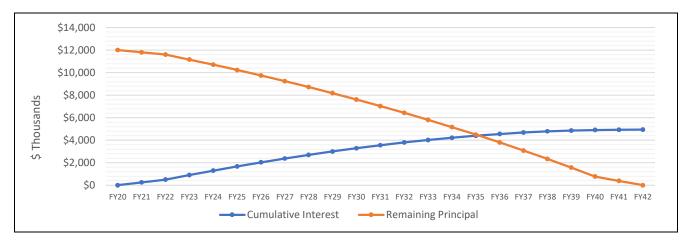


Figure 3-2. Debt Service Cumulative Interest and Remaining Principal, FY20 - FY42

3.4 Funds 3409, 3410, 3412 and 3415 Projected Cash Flow

Beginning and ending fund balances, expenditures and revenues for FY22 – FY28, are summarized in the table below. Detailed data for each fund is included in Appendix A, Table A-1, Fund 3409; Table A-2, Fund 3410; Table A-3, Fund 3412; Table A-4, Fund 3415; and Table A-5, All Funds Summary.

| Table 3- | 4. Funds 3409, | 3410, 3412 | and 3415 Proj | ected Cash F | low Summary | | |
|---------------------------------------|----------------|-------------|---------------|--------------|-----------------|-------------|------------|
| | Prior | Current | | Based on A | nnual 9% Increa | se in SSC | |
| | FY22 | FY23 | FY24 | FY25 | FY26 | FY27 | FY28 |
| Total Beginning Fund Balances, July 1 | 14,029,957 | 13,223,200 | 11,464,600 | 11,698,497 | 8,705,294 | 6,812,891 | 7,045,388 |
| Revenues | | | | | | | |
| Fund 3409 | 8,671,793 | 9,461,279 | 10,227,600 | 11,068,100 | 11,986,700 | 12,984,000 | 14,072,300 |
| Fund 3410 | 493 | 2,900 | 4,500 | 4,900 | 5,300 | 5,600 | 5,900 |
| Fund 3412 | 26,051 | 338,668 | 89,500 | 88,900 | 64,700 | 51,300 | 50,400 |
| Fund 3415 | 8,215 | 27,200 | 0 | 0 | 0 | 0 | 0 |
| Total Revenues | 8,706,552 | 9,830,047 | 10,321,600 | 11,161,900 | 12,056,700 | 13,040,900 | 14,128,600 |
| Expenditures | | | | | | | |
| Fund 3409 | 6,103,710 | 6,952,864 | 7,370,000 | 7,812,300 | 8,281,000 | 8,777,900 | 9,128,900 |
| Fund 3410 | 180,481 | 371,250 | 378,700 | 386,200 | 393,900 | 401,900 | 409,900 |
| Fund 3412 | 958,203 | 3,417,600 | 1,492,000 | 5,109,600 | 4,427,200 | 2,781,600 | 4,895,200 |
| Fund 3415 | 846,857 | 847,003 | 847,003 | 847,003 | 847,003 | 847,003 | 847,003 |
| Total Expenditures | 8,089,251 | 11,588,717 | 10,087,703 | 14,155,103 | 13,949,103 | 12,808,403 | 15,281,003 |
| Net Transfers, In/(Out) | | | | | | | |
| Fund 3409 | (1,276,774) | (4,783,932) | (2,583,900) | (2,583,900) | (3,583,900) | (3,883,900) | (5,283,900 |
| Fund 3410 | 429,971 | 437,132 | 437,100 | 437,100 | 437,100 | 437,100 | 437,100 |
| Fund 3412 | 0 | 9,440,000 | 1,300,000 | 1,300,000 | 2,300,000 | 2,600,000 | 4,000,000 |
| Fund 3415 | 846,803 | (5,093,200) | 846,800 | 846,800 | 846,800 | 846,800 | 846,800 |
| Total Net Transfers | 0 | 0 | 0 | 0 | 0 | 0 | C |
| Ending Fund Balance | | | | | | | |
| Fund 3409 | 7,045,773 | 3,853,682 | 4,127,400 | 4,799,300 | 4,921,100 | 5,243,300 | 4,902,800 |
| Fund 3410 | 772,525 | 693,782 | 756,700 | 812,500 | 861,000 | 901,800 | 934,900 |
| Fund 3412 | 840,060 | 6,914,468 | 6,812,000 | 3,091,300 | 1,028,800 | 898,500 | 53,700 |
| Fund 3415 | 5,988,901 | 2,597 | 2,397 | 2,194 | 1,991 | 1,788 | 1,586 |
| Total Ending Fund Balance, June 30 | 14,647,258 | 11,464,529 | 11,698,497 | 8,705,294 | 6,812,891 | 7,045,388 | 5,892,986 |

Fund balances, expenditures and revenues for FY22 - FY28 are summarized in the figure below.

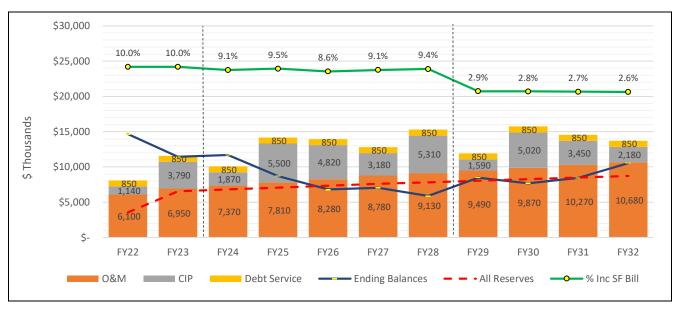


Figure 3-3. Fund Balances, Revenue and Expenditures, FY22 - FY28

Sewer Service Charges

The District's current and recommended sewer service charges and unit costs for Flow, BOD and TSS, are summarized in this section. Revenues from recommended sewer service charges is also summarized.

4.1 Recommended Sewer Service Charges

Recommended sewer service charges are shown in the table below. Note that except for about 20 accounts, sewer service charges are collected on the Contra Costa County tax roll. Charges not collected on the tax roll are billed directly by the District to customers.

| | Table 4-1. Current a | and Recomme | nded Unit Cost | s and Sewer S | ervice Charge | S | |
|----------------|------------------------|-------------|----------------|---------------|-----------------|----------|----------|
| Customer | Billing | Current | | Recommen | ded Five-Year R | ate Plan | |
| Class | Units | FY23 | FY24 | FY25 | FY26 | FY27 | FY28 |
| Unit Costs | | | | | | | |
| Flow | \$ per million gallons | \$8,965 | \$9,771 | \$10,651 | \$11,609 | \$12,654 | \$13,793 |
| BOD | \$ per 1000 pounds | \$1.18 | \$1.29 | \$1.40 | \$1.53 | \$1.67 | \$1.82 |
| TSS | \$ per 1000 pounds | \$1.29 | \$1.40 | \$1.53 | \$1.67 | \$1.82 | \$1.98 |
| | | | | | | | |
| SSCs | % incr. > | 10.0% | 9.1% | 9.5% | 8.6% | 9.1% | 9.4% |
| Residential * | Annual | \$814.20 | \$888 | \$972 | \$1,056 | \$1,152 | \$1,260 |
| Apt/MH Units | Annual | \$652.20 | \$708 | \$768 | \$840 | \$912 | \$996 |
| Nonresidential | | | | | | | |
| Group 1 | \$ per HCF | \$11.04 | \$12.05 | \$13.15 | \$14.35 | \$15.65 | \$17.05 |
| Group 1A | \$ per HCF | \$11.04 | \$12.05 | \$13.15 | \$14.35 | \$15.65 | \$17.05 |
| Group 2 | \$ per HCF | \$12.12 | \$13.20 | \$14.40 | \$15.70 | \$17.10 | \$18.65 |
| Group 3 | \$ per HCF | \$15.36 | \$16.75 | \$18.25 | \$19.90 | \$21.70 | \$23.65 |
| Group 4 | \$ per HCF | \$16.68 | \$18.20 | \$19.85 | \$21.65 | \$23.60 | \$25.70 |
| Group 5 | \$ per HCF | \$18.96 | \$20.65 | \$22.50 | \$24.55 | \$26.75 | \$29.15 |
| PMAs ** | \$ per HCF | \$14.80 | \$16.15 | \$17.60 | \$19.20 | \$20.95 | \$22.85 |
| VA Clinic | \$ per HCF | \$11.04 | \$12.05 | \$13.15 | \$14.35 | \$15.65 | \$17.05 |

^{*} Recommended and Forecast SSCs for Residential and Apt/MH are rounded to the nearest \$12. Recommended and Forecast SSCs based on HCF are rounded to the nearest \$0.05.

^{**} The SSCs for accounts with PMAs (Private Meter Agreements) are the average for the class.

4.2 Revenue from Sewer Service Charges

Revenue from current and recommended Sewer Service Charges is summarized in the table below. Detailed calculation of revenues for each year are shown in Appendix B, Table B-1.

| | Table 4-2 | . Revenue fron | n Current and I | Recommended | Sewer Service | Charges | | |
|----------------|-------------|----------------|-----------------|-----------------|---------------|--------------|--------------|-------|
| Customer | Current | | Recommen | ded Five-Year F | Rate Plan | | FY24 - FY28 | % of |
| Class | FY23 | FY24 | FY25 | FY26 | FY27 | FY28 | Total | Total |
| Residential | \$5,360,000 | \$5,870,000 | \$6,450,000 | \$7,010,000 | \$7,650,000 | \$8,370,000 | \$35,350,000 | 63% |
| Apt/MH Units | \$1,510,000 | \$1,640,000 | \$1,780,000 | \$1,940,000 | \$2,110,000 | \$2,300,000 | \$9,770,000 | 17% |
| Nonresidential | | | | | | | | |
| Group 1 | \$820,000 | \$890,000 | \$970,000 | \$1,060,000 | \$1,160,000 | \$1,260,000 | \$5,340,000 | 9.5% |
| Group 1A | \$50,000 | \$60,000 | \$60,000 | \$70,000 | \$80,000 | \$80,000 | \$350,000 | 0.6% |
| Group 2 | \$110,000 | \$120,000 | \$130,000 | \$150,000 | \$160,000 | \$170,000 | \$730,000 | 1.3% |
| Group 3 | \$130,000 | \$140,000 | \$150,000 | \$170,000 | \$180,000 | \$200,000 | \$840,000 | 1.5% |
| Group 4 | \$70,000 | \$80,000 | \$80,000 | \$90,000 | \$100,000 | \$110,000 | \$460,000 | 0.8% |
| Group 5 | \$20,000 | \$20,000 | \$30,000 | \$30,000 | \$30,000 | \$30,000 | \$140,000 | 0.3% |
| PMAs | \$280,000 | \$300,000 | \$330,000 | \$360,000 | \$400,000 | \$430,000 | \$1,820,000 | 3.3% |
| VA Clinic | \$170,000 | \$190,000 | \$210,000 | \$230,000 | \$250,000 | \$270,000 | \$1,150,000 | 2.1% |
| Total | \$8,520,000 | \$9,310,000 | \$10,190,000 | \$11,110,000 | \$12,120,000 | \$13,220,000 | \$55,950,000 | 100% |

4.3 Single Family Monthly Bill Survey

The District's current (FY23) and recommended (FY24) Sewer Service Charges were compared to the sewer service charges of seven other agencies. The comparison is for single family dwelling units. Results of the survey are shown in Figure 4-1.

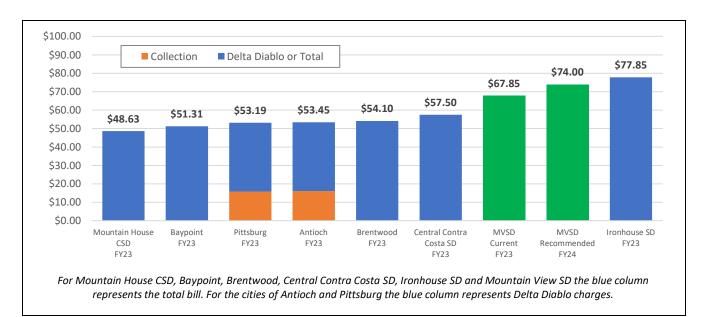


Figure 4-1. Single Family Monthly Bill Survey

Conclusions and Recommendations

5.1 Conclusions

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

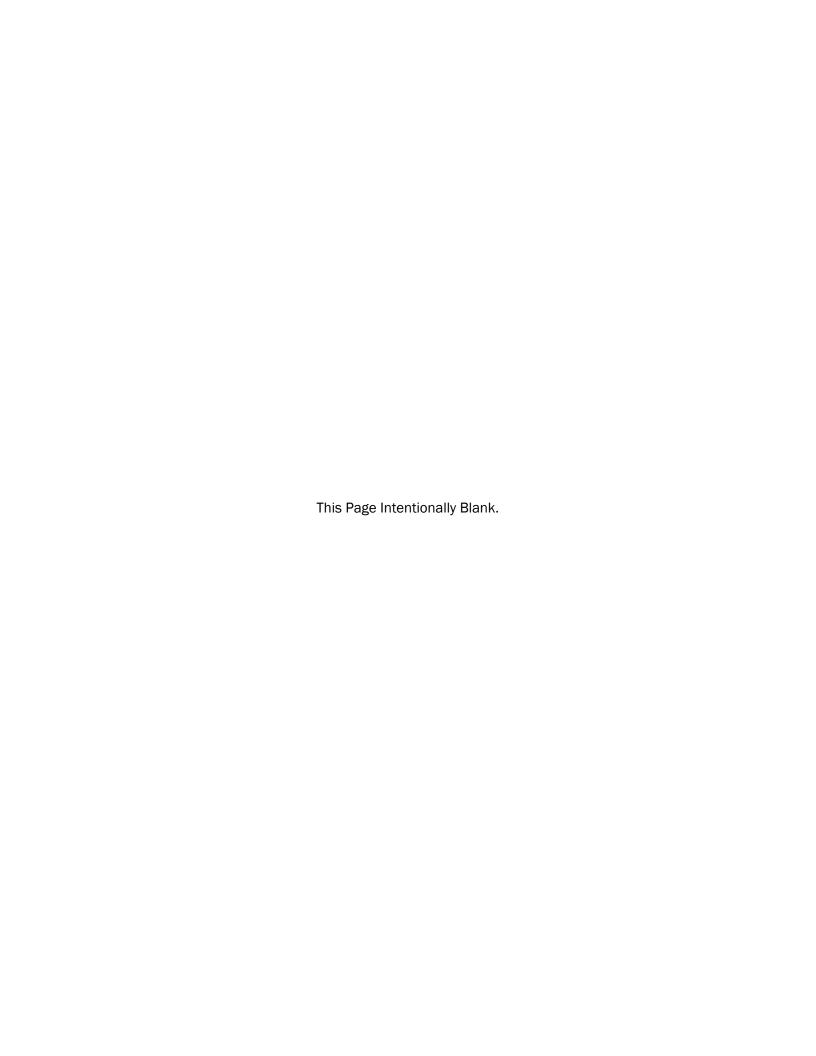
- The District's Operating projected expenditures for FY24 FY28 are approximately \$41.4 million.
- The District's projected capital expenditures for FY24 FY28 are approximately \$20.7 million.
- The District's projected debt service expenditures for FY24 FY28 are approximately \$4.2 million.
- The District's projected total expenditures for FY24 FY28 are approximately \$66.3 million.
- The District's revenues, without an increase in Sewer Service Charges for FY24 FY28, would be approximately \$42.7 million.
- The District's total expenditures for FY24 FY28 would exceed revenues from SSCs by approximately \$23.5 million without an increase in Sewer Service Charges.
- During FY24 FY28, the District must collect approximately \$13.0 million of additional revenue from Sewer Service Charges, use approximately \$5.6 million of fund balance, and collect approximately \$4.9 million in other revenues 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 and flexibility of the wastewater fund:

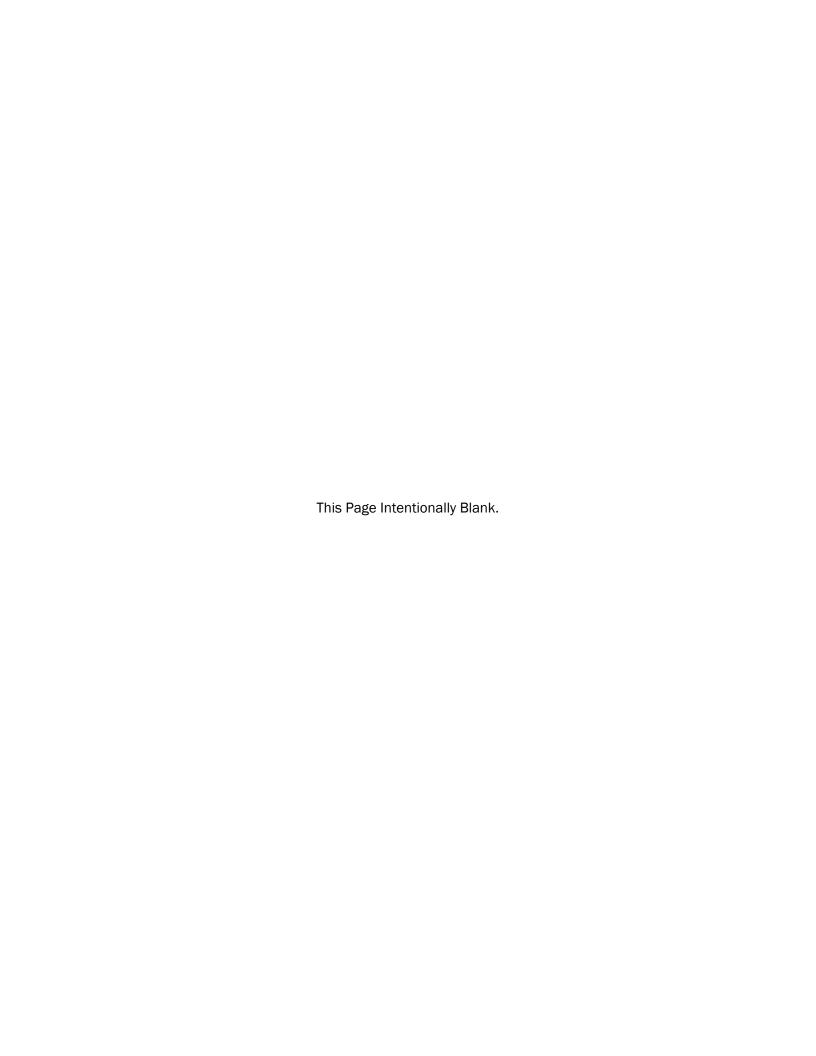
Recommendation 1. Adopt and implement the Sewer Service Charges recommended for FY24 - FY28.

Recommendation 2. Update cash flow projections in the event of a significant change to any expenditure or revenue assumption.



Limitations

This document was prepared solely for the Mt. View Sanitary District in accordance with professional standards at the time the services were performed and in accordance with Task Order No. 1 to Contract 22-0005 between Mt. View Sanitary District and Municipal Financial Services. This document is governed by the specific scope of work authorized by Mt. View Sanitary District; it is not intended to be relied upon by any other party. We have relied on information or instructions provided by Mt. View Sanitary District and, unless otherwise expressly indicated, have made no independent investigation as to the validity, completeness, or accuracy of such information.





Appendix A: Funds Cash Flow Tables

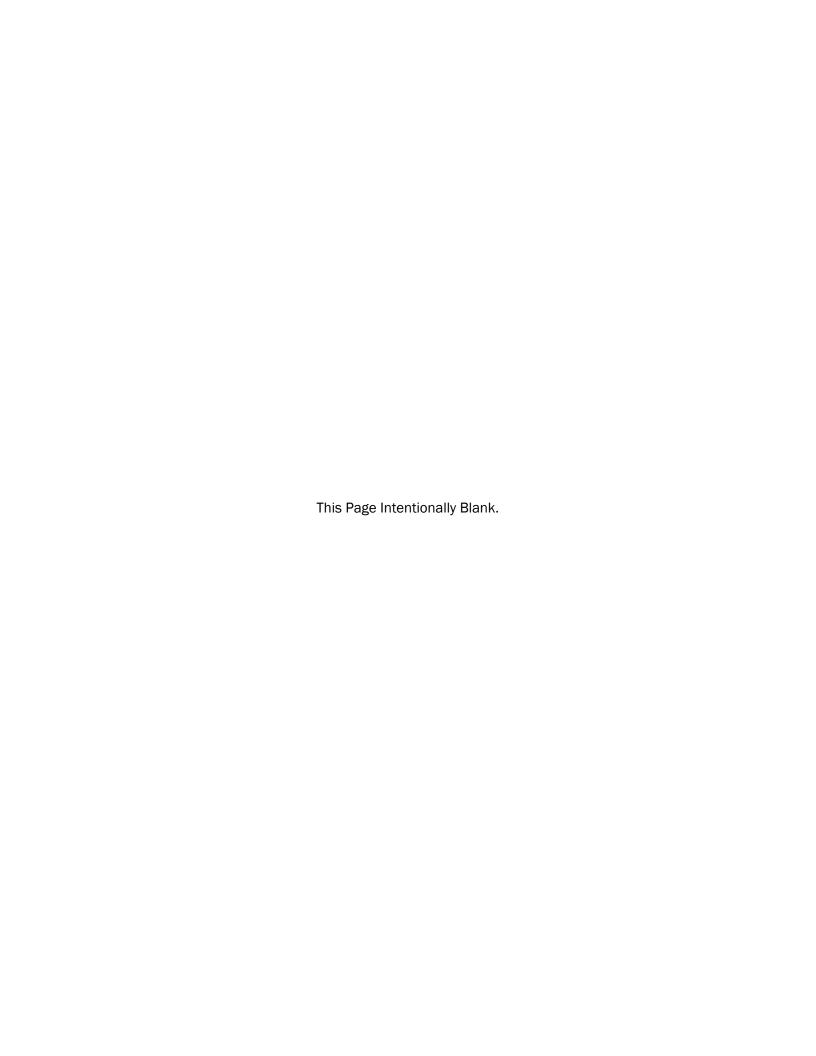


Table A-1 Fund 3409 Cash Flow

| | Estimate FY22 | Budget FY23 | FY24 | FY25 | FY26 | FY27 | FY28 | FY29 | FY30 | FY31 | FY32 |
|-----------------------------------|------------------|----------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Beginning Fund Balance | 5,754,464 | 6,129,200 | 3,853,700 | 4,127,400 | 4,799,300 | 4,921,100 | 5,243,300 | 4,902,800 | 5,589,600 | 5,807,500 | 6,350,600 |
| Revenues | | % inc SSC > | %0.6 | %0.6 | 9.0% | 9.0% | %0.6 | 3.0% | 3.0% | 3.0% | 3.0% |
| Sewer Service Charges | 7,622,000 | 8,374,200 | 9,127,900 | 9,949,400 | 10,844,800 | 11,820,800 | 12,884,700 | 13,271,200 | 13,669,300 | 14,079,400 | 14,501,800 |
| Sewer Service Charges - VA Clinic | 159,800 | 175,780 | 191,600 | 208,800 | 227,600 | 248,100 | 270,400 | 278,500 | 286,900 | 295,500 | 304,400 |
| Ad Valorem Taxes | 452,480 | 437,132 | 437,100 | 437,100 | 437,100 | 437,100 | 437,100 | 437,100 | 437,100 | 437,100 | 437,100 |
| Connection Fees | 36,500 | 37,595 | 37,600 | 37,600 | 37,600 | 37,600 | 37,600 | 37,600 | 37,600 | 37,600 | 37,600 |
| Rents & Leases | 190,296 | 196,005 | 196,000 | 196,000 | 196,000 | 196,000 | 196,000 | 196,000 | 196,000 | 196,000 | 196,000 |
| Permits, Inspections & Fees | 143,404 | 147,706 | 147,700 | 147,700 | 147,700 | 147,700 | 147,700 | 147,700 | 147,700 | 147,700 | 147,700 |
| Interest on LAIF | 4,536 | 28,200 | 25,000 | 26,800 | 31,200 | 32,000 | 34,100 | 31,900 | 36,300 | 37,700 | 41,300 |
| Other Revenues | 62,778 | 64,661 | 64,700 | 64,700 | 64,700 | 64,700 | 64,700 | 64,700 | 64,700 | 64,700 | 64,700 |
| Total Revenues | 8,671,793 | 9,461,279 | 10,227,600 | 11,068,100 | 11,986,700 | 12,984,000 | 14,072,300 | 14,464,700 | 14,875,600 | 15,295,700 | 15,730,600 |
| Expenditures | ` | Annual % inc > | %0.9 | 9.0% | %0.9 | 90.9 | 4.0% | 4.0% | 4.0% | 4.0% | 4.0% |
| Salaries & Benefits | 3,836,692 | 4,345,834 | 4,606,600 | 4,883,000 | 5,176,000 | 5,486,600 | 5,706,100 | 5,934,300 | 6,171,700 | 6,418,600 | 6,675,300 |
| Insurance | 208,809 | 257,570 | 273,000 | 289,400 | 306,800 | 325,200 | 338,200 | 351,700 | 365,800 | 380,400 | 395,600 |
| Collections | 171,314 | 171,160 | 181,400 | 192,300 | 203,800 | 216,000 | 224,600 | 233,600 | 242,900 | 252,600 | 262,700 |
| Treatment Plant | 815,768 | 887,950 | 941,200 | 997,700 | 1,057,600 | 1,121,100 | 1,165,900 | 1,212,500 | 1,261,000 | 1,311,400 | 1,363,900 |
| Marsh | 80,005 | 111,700 | 118,400 | 125,500 | 133,000 | 141,000 | 146,600 | 152,500 | 158,600 | 164,900 | 171,500 |
| Admin & General | 910,262 | 1,073,100 | 1,137,500 | 1,205,800 | 1,278,100 | 1,354,800 | 1,409,000 | 1,465,400 | 1,524,000 | 1,585,000 | 1,648,400 |
| Lab | 80,860 | 105,550 | 111,900 | 118,600 | 125,700 | 133,200 | 138,500 | 144,000 | 149,800 | 155,800 | 162,000 |
| Total Expenditures | 6,103,710 | 6,952,864 | 7,370,000 | 7,812,300 | 8,281,000 | 8,777,900 | 9,128,900 | 9,494,000 | 9,873,800 | 10,268,700 | 10,679,400 |
| Transfers In/Out | | | | | | | | | | | |
| Transfer Out - 3410 (Ad Valorem) | (421,097) | (437, 132) | (437,100) | (437,100) | (437,100) | (437,100) | (437,100) | (437,100) | (437,100) | (437,100) | (437,100) |
| Transfer Out - 3410 (Expenses) | (8,874) | | 1 | • | | ' | • | • | 1 | 1 | 1 |
| Transfer Out - 3412 (Capital) | | (3,500,000) | (1,300,000) | (1,300,000) | (2,300,000) | (2,600,000) | (4,000,000) | (3,000,000) | (3,500,000) | (3,200,000) | (3,700,000) |
| Transfer Out - 3415 (2018 Note) | (449,345) | (449,300) | (449,300) | (449,300) | (449,300) | (449,300) | (449,300) | (449,300) | (449,300) | (449,300) | (449,300) |
| Transfer Out - 3415 (2021 Note) | (397,458) | (397,500) | (397,500) | (397,500) | (397,500) | (397,500) | (397,500) | (397,500) | (397,500) | (397,500) | (397,500) |
| Total Transfers | (1,276,774) | (4,783,932) | (2,583,900) | (2,583,900) | (3,583,900) | (3,883,900) | (5,283,900) | (4,283,900) | (4,783,900) | (4,483,900) | (4,983,900) |
| Ending Fund Balance | 7,045,773 | 3,853,682 | 4,127,400 | 4,799,300 | 4,921,100 | 5,243,300 | 4,902,800 | 5,589,600 | 5,807,500 | 6,350,600 | 6,417,900 |

Source: Values for FY22 and FY23 are from "MVSD FY22-23 FINAL Budget Book_06.09.22.xisx" provided by Denise Gray on 6/16/2022. The FY23 Beginning Fund Balance is changed from the Budget Book value to the values shown in the "MVSD Final Financial Statement Report FY2022", Combining Statement of Net Position, page 49. All values for FY24 and onward are estimated as part of the study.

Table A-2 Fund 3410 Cash Flow

| | Estimate FY22 | Budget FY23 | FY24 | FY25 | FY26 | FY27 | FY28 | FY29 | FY30 | FY31 | FY32 |
|---------------------------------|------------------|----------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Beginning Fund Balance | 522,542 | 625,000 | 008'869 | 756,700 | 812,500 | 861,000 | 901,800 | 934,900 | 960,100 | 977,000 | 985,700 |
| Revenues Interest on LAIF | 493 | 2,900 | 4,500 | 4,900 | 5,300 | 2,600 | 5,900 | 6,100 | 6,200 | 6,400 | 6,400 |
| Total Revenues | 493 | 2,900 | 4,500 | 4,900 | 5,300 | 2,600 | 5,900 | 6,100 | 6,200 | 6,400 | 6,400 |
| Expenditures | | % inc Exp > | 2.0% | 2.0% | 2.0% | 2.0% | 2.0% | 2.0% | 2.0% | 2.0% | 2.0% |
| Collections | • | 150,000 | 153,000 | 156,100 | 159,200 | 162,400 | 165,600 | 168,900 | 172,300 | 175,700 | 179,200 |
| Treatment Plant | 131,048 | 26,000 | 57,100 | 58,200 | 59,400 | 009'09 | 61,800 | 63,000 | 64,300 | 65,600 | 006'99 |
| Marsh | • | 20,000 | 51,000 | 52,000 | 53,000 | 54,100 | 55,200 | 56,300 | 57,400 | 58,500 | 59,700 |
| Admin & General | 31,009 | 65,250 | 009'99 | 67,900 | 69,300 | 70,700 | 72,100 | 73,500 | 75,000 | 76,500 | 78,000 |
| Lab | 18,425 | 20,000 | 51,000 | 52,000 | 53,000 | 54,100 | 55,200 | 56,300 | 57,400 | 58,500 | 59,700 |
| Total Expenditures | 180,481 | 371,250 | 378,700 | 386,200 | 393,900 | 401,900 | 409,900 | 418,000 | 426,400 | 434,800 | 443,500 |
| Transfers In/Out | | | | | | | | | | | |
| Transfer In - 3409 (Ad Valorem) | 421,097 | 437,132 | 437,100 | 437,100 | 437,100 | 437,100 | 437,100 | 437,100 | 437,100 | 437,100 | 437,100 |
| Transfer In - 3409 (Expenses) | 8,874 | • | 1 | 1 | • | 1 | • | • | • | • | 1 |
| Total Transfers | 429,971 | 437,132 | 437,100 | 437,100 | 437,100 | 437,100 | 437,100 | 437,100 | 437,100 | 437,100 | 437,100 |
| Ending Fund Balance | 772,525 | 693,782 | 756,700 | 812,500 | 861,000 | 901,800 | 934,900 | 960,100 | 977,000 | 985,700 | 985,700 |

Source: Values for FY22 and FY23 are from "MVSD FY22-23 FINAL Budget Book_06.09.22.xisx" provided by Denise Gray on 6/16/2022. The FY23 Beginning Fund Balance is changed from the Budget Book value to the values shown in the "MVSD Final Financial Statement Report FY2022", Combining Statement of Net Position, page 49. All values for FY24 and onward are estimated as part of the study.

Table A-3 Fund 3412 Cash Flow

| | Estimate FY22 | Budget FY23 | FY24 | FY25 | FY26 | FY27 | FY28 | FY29 | FY30 | FY31 | FY32 |
|---|------------------|----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Beginning Fund Balance | 1,772,212 | 553,400 | 6,914,500 | 6,812,000 | 3,091,300 | 1,028,800 | 898,500 | 53,700 | 1,928,200 | 892,500 | 1,124,500 |
| Revenues | | | | | | | | | | | |
| Permits & Inspections | • | 20,853 | 20,900 | 20,900 | 20,900 | 20,900 | 20,900 | 20,900 | 20,900 | 20,900 | 20,900 |
| Capacity Fees | 23,668 | 315,315 | 23,700 | 23,700 | 23,700 | 23,700 | 23,700 | 23,700 | 23,700 | 23,700 | 23,700 |
| Interest on LAIF | 2,383 | 2,500 | 44,900 | 44,300 | 20,100 | 6,700 | 5,800 | 300 | 12,500 | 5,800 | 7,300 |
| Grant Disbursement | • | • | 1 | 1 | 1 | • | 1 | 1 | • | • | • |
| Total Revenues | 26,051 | 338,668 | 89,500 | 88,900 | 64,700 | 51,300 | 50,400 | 44,900 | 57,100 | 50,400 | 51,900 |
| Expenditures | | | | | | | | | | | |
| Collections | 479,524 | 788,800 | 925,600 | 1,895,200 | 2,643,200 | 256,000 | 3,321,600 | 190,400 | 2,737,600 | 1,316,000 | 1,619,200 |
| Treatment Plant | 422,628 | 2,449,600 | 482,400 | 3,154,400 | 1,644,000 | 2,301,600 | 528,000 | 1 | 1,855,200 | 1,702,400 | 116,000 |
| Marsh | 21,966 | 1 | 1 | 1 | 80,000 | 184,000 | 1,045,600 | 000'086 | • | 1 | |
| Strategic Initiatives | 34,085 | 179,200 | 84,000 | 000'09 | 60,000 | 40,000 | | ı | , | • | 1 |
| Lab | • | • | | | | | | | | | |
| Total Expenditures | 958,203 | 3,417,600 | 1,492,000 | 5,109,600 | 4,427,200 | 2,781,600 | 4,895,200 | 1,170,400 | 4,592,800 | 3,018,400 | 1,735,200 |
| Transfers In/Out Transfer In - 3415 (2021 IPC) | ı | 5,940,000 | , | ı | 1 | ı | • | • | ı | ı | • |
| Transfer In - 3409 (Capital) | 1 | 3,500,000 | 1,300,000 | 1,300,000 | 2,300,000 | 2,600,000 | 4,000,000 | 3,000,000 | 3,500,000 | 3,200,000 | 3,700,000 |
| Total Transfers | ı | 9,440,000 | 1,300,000 | 1,300,000 | 2,300,000 | 2,600,000 | 4,000,000 | 3,000,000 | 3,500,000 | 3,200,000 | 3,700,000 |
| Ending Fund Balance | 840,060 | 6,914,468 | 6,812,000 | 3,091,300 | 1,028,800 | 898,500 | 53,700 | 1,928,200 | 892,500 | 1,124,500 | 3,141,200 |

Source: Values for FY22 and FY23 are from "MVSD FY22-23 FINAL Budget Book_06.09.22.xisx" provided by Denise Gray on 6/16/2022. The FY23 Beginning Fund Balance is changed from the Budget Book value to the values for FY24 and onward are estimated as part of the study.

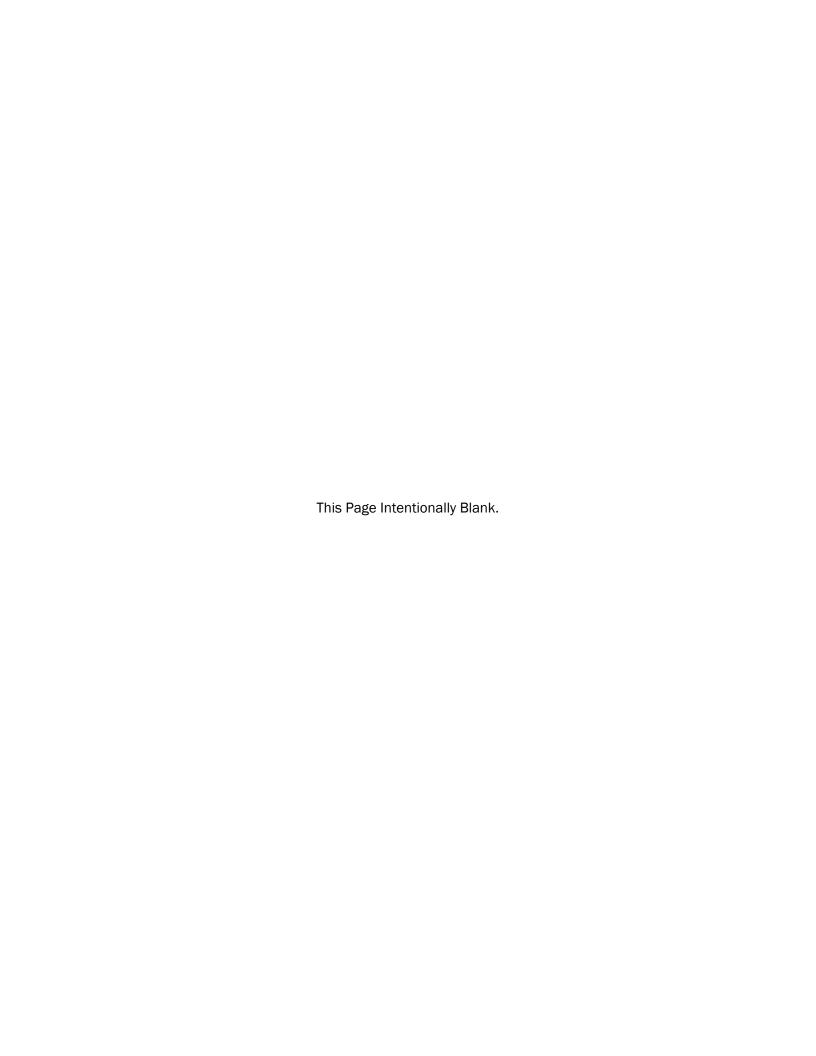
Table A-4 Fund 3415 Cash Flow

| | Estimate FY22 | Budget FY23 | FY24 | FY25 | FY26 | FY27 | FY28 | FY29 | FY30 | FY31 | FY32 |
|--|------------------|------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Beginning Fund Balance | 5,980,740 | 5,915,600 | 2,600 | 2,397 | 2,194 | 1,991 | 1,788 | 1,586 | 1,383 | 1,180 | 677 |
| Revenues Interest on LAIF Total Revenues | 8,215 8,215 | 27,200 27,200 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| Expenditures County Professional Services | 52 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 |
| Interest on 2018 Note | 235,075 | 226,076 | 216,698 | 206,927 | 196,746 | 186,137 | 175,082 | 163,563 | 151,560 | 139,053 | 126,021 |
| Principal on 2018 Note | 214,270 | 223,269 | 232,646 | 242,417 | 252,599 | 263,208 | 274,263 | 285,782 | 297,785 | 310,292 | 323,324 |
| Interest on 2022 Note | 172,368 | 165,793 | 159,025 | 152,060 | 144,892 | 137,514 | 129,921 | 122,105 | 114,062 | 105,783 | 97,263 |
| Principal on 2022 Note | 225,090 | 231,666 | 238,433 | 245,398 | 252,567 | 259,944 | 267,538 | 275,353 | 283,397 | 291,675 | 300,196 |
| Total Expenditures | 846,857 | 847,003 | 847,003 | 847,003 | 847,003 | 847,003 | 847,003 | 847,003 | 847,003 | 847,003 | 847,003 |
| Transfers In/Out Transfer In - 3409 (2018 Note) | 449.345 | 449.300 | 449.300 | 449.300 | 449.300 | 449.300 | 449.300 | 449.300 | 449.300 | 449.300 | 449.300 |
| Transfer In - 3409 (2021 Note) | 397,458 | 397,500 | 397,500 | 397,500 | 397,500 | 397,500 | 397,500 | 397,500 | 397,500 | 397,500 | 397,500 |
| Transfer Out - 3412 (2021-2022 Projects) | ı | (5,940,000) | • | 1 | 1 | 1 | 1 | 1 | • | 1 | 1 |
| Total Transfers | 846,803 | (5,093,200) | 846,800 | 846,800 | 846,800 | 846,800 | 846,800 | 846,800 | 846,800 | 846,800 | 846,800 |
| Ending Fund Balance | 5,988,901 | 2,597 | 2,397 | 2,194 | 1,991 | 1,788 | 1,586 | 1,383 | 1,180 | 226 | 774 |

Source: Values for FY22 and FY23 are from "MVSD FY22-23 FINAL Budget Book_06.09.22.xlsx" provided by Denise Gray on 6/16/2022. The FY23 Beginning Fund Balance is changed from the Budget Book value to the values for FY24 and onward are estimated as part of the study.

Table A-5 Fund 3409, 3410, 3412 and 3415 Cash Flow Summary

| | Prior | Current | | Based on | Based on Annual 9% Increase in SSC | se in SSC | | Next Four | Years Based on A | Next Four Years Based on Annual 3% Increase in SSC | e in SSC |
|---------------------------------------|-------------|-------------|-------------|-------------|------------------------------------|-------------|-------------|-------------|------------------|--|-------------|
| | FY22 | FY23 | FY24 | FY25 | FY26 | FY27 | FY28 | FY29 | FY30 | FY31 | FY32 |
| Total Beginning Fund Balances, July 1 | 14,029,957 | 13,223,200 | 11,464,600 | 11,698,497 | 8,705,294 | 6,812,891 | 7,045,388 | 5,892,986 | 8,479,283 | 7,678,180 | 8,461,777 |
| Revenues | | | | | | | | | | | |
| Fund 3409 | 8,671,793 | 9,461,279 | 10,227,600 | 11,068,100 | 11,986,700 | 12,984,000 | 14,072,300 | 14,464,700 | 14,875,600 | 15,295,700 | 15,730,600 |
| Fund 3410 | 493 | 2,900 | 4,500 | 4,900 | 5,300 | 2,600 | 2,900 | 6,100 | 6,200 | 6,400 | 6,400 |
| Fund 3412 | 26,051 | 338,668 | 89,500 | 88,900 | 64,700 | 51,300 | 50,400 | 44,900 | 57,100 | 50,400 | 51,900 |
| Fund 3415 | 8,215 | 27,200 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Revenues | 8,706,552 | 9,830,047 | 10,321,600 | 11,161,900 | 12,056,700 | 13,040,900 | 14,128,600 | 14,515,700 | 14,938,900 | 15,352,500 | 15,788,900 |
| Expenditures | | | | | | | | | | | |
| Fund 3409 | 6,103,710 | 6,952,864 | 7,370,000 | 7,812,300 | 8,281,000 | 8,777,900 | 9,128,900 | 9,494,000 | 9,873,800 | 10,268,700 | 10,679,400 |
| Fund 3410 | 180,481 | 371,250 | 378,700 | 386,200 | 393,900 | 401,900 | 409,900 | 418,000 | 426,400 | 434,800 | 443,500 |
| Fund 3412 | 958,203 | 3,417,600 | 1,492,000 | 5,109,600 | 4,427,200 | 2,781,600 | 4,895,200 | 1,170,400 | 4,592,800 | 3,018,400 | 1,735,200 |
| Fund 3415 | 846,857 | 847,003 | 847,003 | 847,003 | 847,003 | 847,003 | 847,003 | 847,003 | 847,003 | 847,003 | 847,003 |
| Total Expenditures | 8,089,251 | 11,588,717 | 10,087,703 | 14,155,103 | 13,949,103 | 12,808,403 | 15,281,003 | 11,929,403 | 15,740,003 | 14,568,903 | 13,705,103 |
| Net Transfers, In/(Out) | | | | | | | | | | | |
| Fund 3409 | (1,276,774) | (4,783,932) | (2,583,900) | (2,583,900) | (3,583,900) | (3,883,900) | (5,283,900) | (4,283,900) | (4,783,900) | (4,483,900) | (4,983,900) |
| Fund 3410 | 429,971 | 437,132 | 437,100 | 437,100 | 437,100 | 437,100 | 437,100 | 437,100 | 437,100 | 437,100 | 437,100 |
| Fund 3412 | 0 | 9,440,000 | 1,300,000 | 1,300,000 | 2,300,000 | 2,600,000 | 4,000,000 | 3,000,000 | 3,500,000 | 3,200,000 | 3,700,000 |
| Fund 3415 | 846,803 | (5,093,200) | 846,800 | 846,800 | 846,800 | 846,800 | 846,800 | 846,800 | 846,800 | 846,800 | 846,800 |
| Total Net Transfers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ending Fund Balance | | | | | | | | | | | |
| Fund 3409 | 7,045,773 | 3,853,682 | 4,127,400 | 4,799,300 | 4,921,100 | 5,243,300 | 4,902,800 | 2,589,600 | 5,807,500 | 6,350,600 | 6,417,900 |
| Fund 3410 | 772,525 | 693,782 | 756,700 | 812,500 | 861,000 | 901,800 | 934,900 | 960,100 | 977,000 | 985,700 | 985,700 |
| Fund 3412 | 840,060 | 6,914,468 | 6,812,000 | 3,091,300 | 1,028,800 | 898,500 | 53,700 | 1,928,200 | 892,500 | 1,124,500 | 3,141,200 |
| Fund 3415 | 5,988,901 | 2,597 | 2,397 | 2,194 | 1,991 | 1,788 | 1,586 | 1,383 | 1,180 | 716 | 774 |
| Total Ending Fund Balance, June 30 | 14,647,258 | 11,464,529 | 11,698,497 | 8,705,294 | 6,812,891 | 7,045,388 | 5,892,986 | 8,479,283 | 7,678,180 | 8,461,777 | 10,545,574 |





Appendix A: Funds Cash Flow Tables

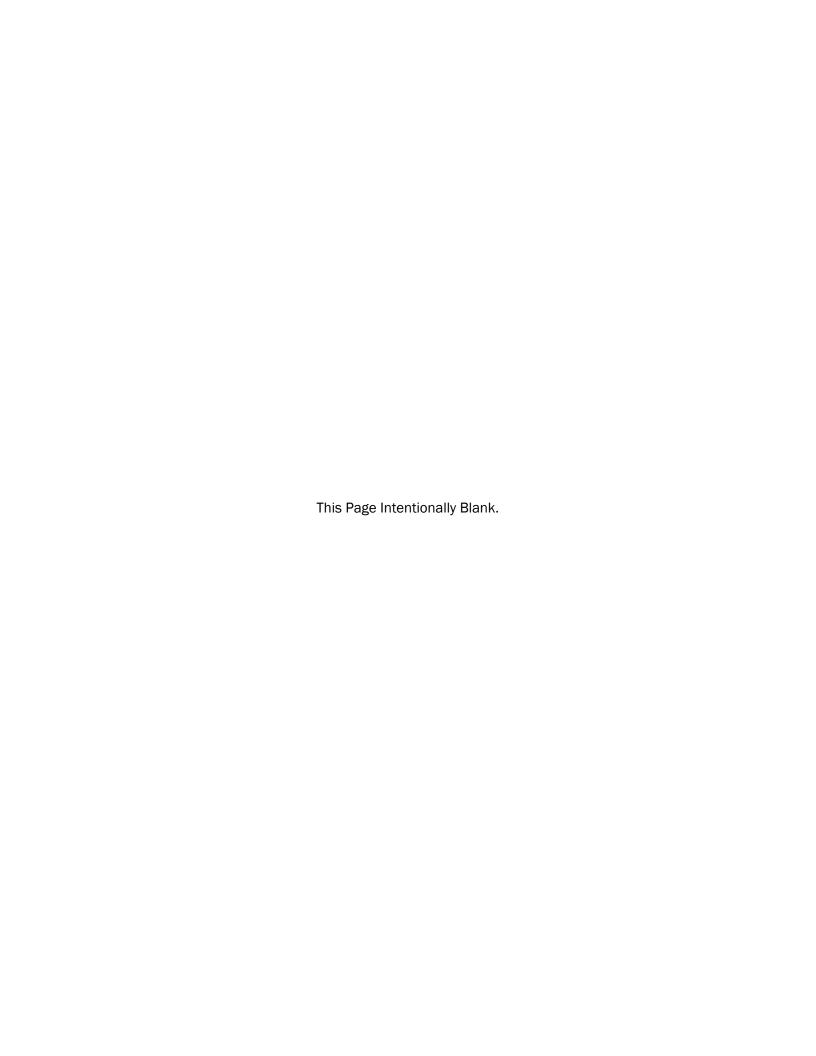


Table B-1
Current and Recommended SSCs and Revenue from SSCs

| Customer | Billing | Current | | Recomme | nded Five-Year | Rate Plan | |
|-----------------|------------------------|-------------|-------------|--------------|----------------|--------------|--------------|
| Class | Units | FY23 | FY24 | FY25 | FY26 | FY27 | FY28 |
| Unit Costs | | | | | | | |
| Flow | \$ per million gallons | \$8,965 | \$9,771 | \$10,651 | \$11,609 | \$12,654 | \$13,793 |
| BOD | \$ per 1000 pounds | \$1.18 | \$1.29 | \$1.40 | \$1.53 | \$1.67 | \$1.82 |
| TSS | \$ per 1000 pounds | \$1.29 | \$1.40 | \$1.53 | \$1.67 | \$1.82 | \$1.98 |
| SSCs | % incr. > | 10.0% | 9.1% | 9.5% | 8.6% | 9.1% | 9.4% |
| Residential * | Annual | \$814.20 | \$888 | \$972 | \$1,056 | \$1,152 | \$1,260 |
| Apt/MH Units | Annual | \$652.20 | \$708 | \$768 | \$840 | \$912 | \$996 |
| Nonresidential | 7 | ¥002.20 | Ψ.00 | Ψ. σσ | φο.σ | Ψ | φοσο |
| Group 1 | \$ per HCF | \$11.04 | \$12.05 | \$13.15 | \$14.35 | \$15.65 | \$17.05 |
| Group 1A | \$ per HCF | \$11.04 | \$12.05 | \$13.15 | \$14.35 | \$15.65 | \$17.05 |
| Group 2 | \$ per HCF | \$12.12 | \$13.20 | \$14.40 | \$15.70 | \$17.10 | \$18.65 |
| Group 3 | \$ per HCF | \$15.36 | \$16.75 | \$18.25 | \$19.90 | \$21.70 | \$23.65 |
| Group 4 | \$ per HCF | \$16.68 | \$18.20 | \$19.85 | \$21.65 | \$23.60 | \$25.70 |
| Group 5 | \$ per HCF | \$18.96 | \$20.65 | \$22.50 | \$24.55 | \$26.75 | \$29.15 |
| PMAs ** | \$ per HCF | \$14.80 | \$16.15 | \$17.60 | \$19.20 | \$20.95 | \$22.85 |
| VA Clinic | \$ per HCF | \$11.04 | \$12.05 | \$13.15 | \$14.35 | \$15.65 | \$17.05 |
| Units of Use | | | | | | | |
| Residential *** | # Accts | 6,580 | 6,610 | 6,640 | 6,640 | 6,640 | 6,640 |
| Apt/MH | # Units | 2,314 | 2,314 | 2,314 | 2,314 | 2,314 | 2,314 |
| Nonresidential | | | | | | | |
| Group 1 | HCF | 73,840 | 73,840 | 73,840 | 73,840 | 73,840 | 73,840 |
| Group 1A | HCF | 4,823 | 4,823 | 4,823 | 4,823 | 4,823 | 4,823 |
| Group 2 | HCF | 9,328 | 9,328 | 9,328 | 9,328 | 9,328 | 9,328 |
| Group 3 | HCF | 8,304 | 8,304 | 8,304 | 8,304 | 8,304 | 8,304 |
| Group 4 | HCF | 4,167 | 4,167 | 4,167 | 4,167 | 4,167 | 4,167 |
| Group 5 | HCF | 1,116 | 1,116 | 1,116 | 1,116 | 1,116 | 1,116 |
| PMAs | HCF | 18,867 | 18,867 | 18,867 | 18,867 | 18,867 | 18,867 |
| VA Clinic | HCF | 15,773 | 15,773 | 15,773 | 15,773 | 15,773 | 15,773 |
| Revenue | | | | | | | |
| Residential | | \$5,357,436 | \$5,869,680 | \$6,454,080 | \$7,011,840 | \$7,649,280 | \$8,366,400 |
| Apt/MH | | \$1,509,191 | \$1,638,312 | \$1,777,152 | \$1,943,760 | \$2,110,368 | \$2,304,744 |
| Nonresidential | | | | | | | |
| Group 1 | | \$815,194 | \$889,772 | \$970,996 | \$1,059,604 | \$1,155,596 | \$1,258,972 |
| Group 1A | | \$53,246 | \$58,117 | \$63,422 | \$69,210 | \$75,480 | \$82,232 |
| Group 2 | | \$113,055 | \$123,130 | \$134,323 | \$146,450 | \$159,509 | \$173,967 |
| Group 3 | | \$127,549 | \$139,092 | \$151,548 | \$165,250 | \$180,197 | \$196,390 |
| Group 4 | | \$69,506 | \$75,839 | \$82,715 | \$90,216 | \$98,341 | \$107,092 |
| Group 5 | | \$21,159 | \$23,045 | \$25,110 | \$27,398 | \$29,853 | \$32,531 |
| PMAs | | \$279,263 | \$304,702 | \$332,059 | \$362,246 | \$395,264 | \$431,111 |
| VA Clinic | | \$174,134 | \$190,065 | \$207,415 | \$226,343 | \$246,847 | \$268,930 |
| Total | | \$8,519,733 | \$9,311,754 | \$10,198,821 | \$11,102,316 | \$12,100,735 | \$13,222,369 |

^{*} Recommended and Forecast SSCs for Residential and Apt/MH are rounded to the nearest \$12. Recommended and Forecast SSCs based on HCF are rounded to the nearest \$0.05.

^{**} The SSCs for accounts with PMAs (Private Meter Agreements) are the average for the class.

^{***} Residential accounts are increased by 30 in FY24 and 30 in FY25 for occupancy in the Tradition of Meadows development

