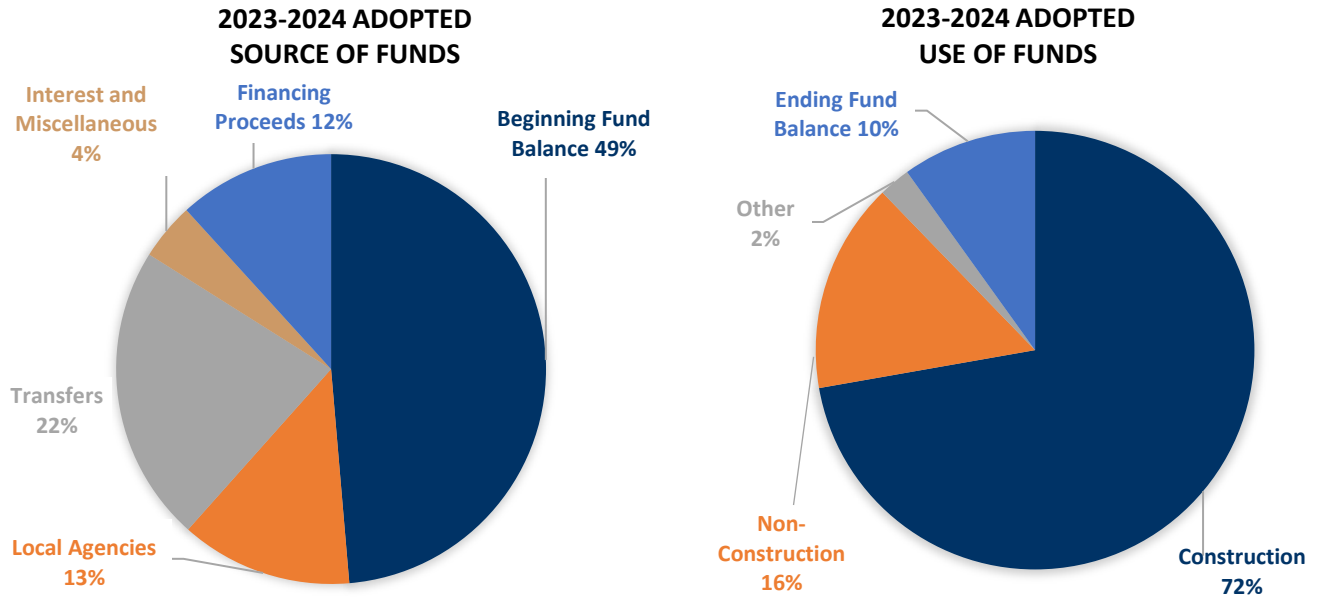
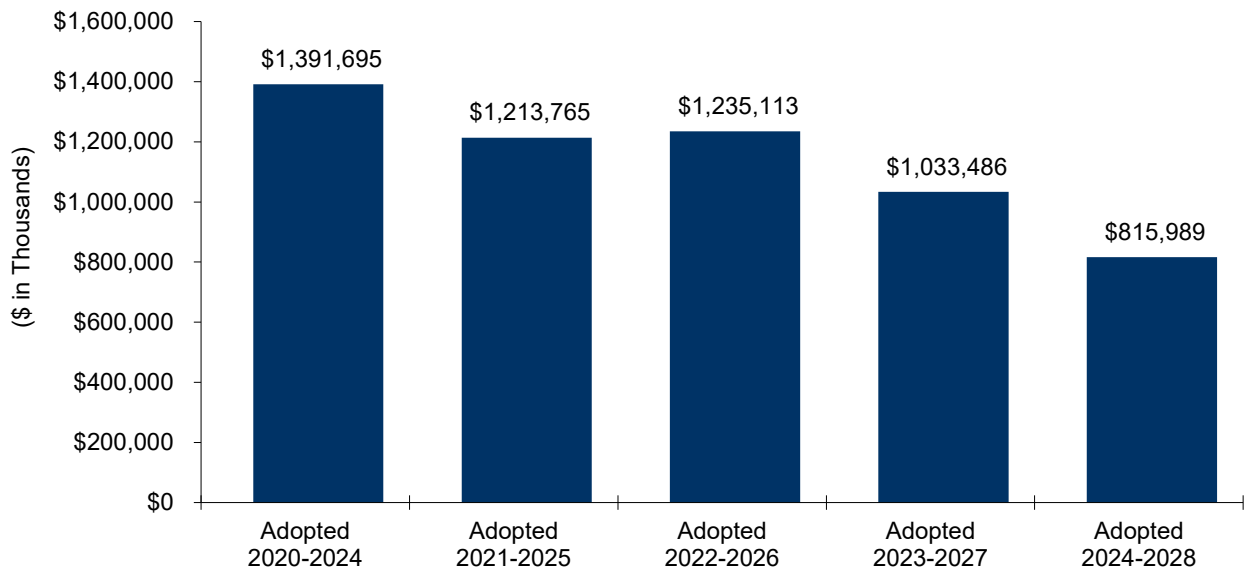


WATER POLLUTION CONTROL

2024-2028 Capital Improvement Program

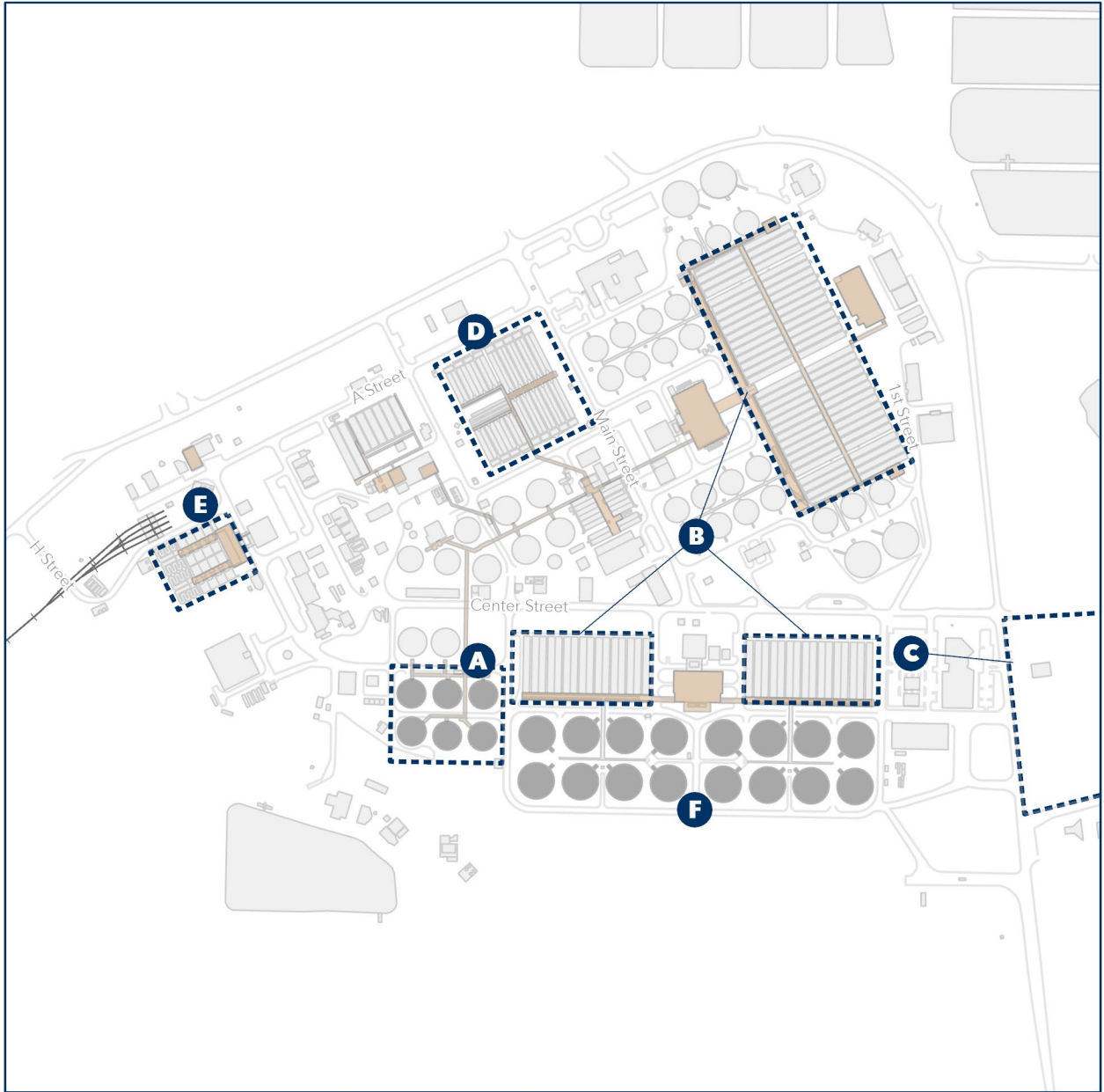


CIP History



Water Pollution Control

2024-2028 Adopted Capital Improvement Program



A Additional Digester Upgrades

B Aeration Tanks and Blower Rehabilitation

C Digested Sludge Dewatering Facility

D East Primary Rehabilitation,
Seismic Retrofit, and Odor Control

E Filter Rehabilitation

F Nitrification Clarifier Rehabilitation

Water Pollution Control

2024-2028 Adopted Capital Improvement Program

OVERVIEW

INTRODUCTION

The San José-Santa Clara Regional Wastewater Facility (RWF) is a regional wastewater treatment facility serving eight South Bay cities and four special districts including: San José, Santa Clara, Milpitas, Cupertino Sanitary District (Cupertino), West Valley Sanitation District (Campbell, Los Gatos, Monte Sereno, and Saratoga), County Sanitation Districts 2-3 (unincorporated), and Burbank Sanitary District (unincorporated). The RWF is jointly owned by the cities of San José and Santa Clara and is administered and operated by the City of San José's Environmental Services Department (ESD). ESD is also responsible for planning, designing, and constructing capital improvements at the RWF, including water reuse facilities. On March 26, 2013, the City Council approved to change the name of the San José-Santa Clara Water Pollution Control Plant to the RWF for use in public communications and outreach.

| RWF INFRASTRUCTURE | |
|---|--------|
| ACRES OF LAND | 2,684 |
| AVERAGE DRY WEATHER INFLUENT CAPACITY (MILLIONS OF GALLONS PER DAY) | 167 |
| AVERAGE DRY WEATHER INFLUENT FLOW (MILLIONS OF GALLONS PER DAY) | 88.8 |
| DRY METRIC TONS OF BIOSOLIDS HAULED EACH YEAR | 65,000 |
| AVERAGE MEGAWATTS PRODUCED | 14.0 |

The 2024-2028 Adopted Capital Improvement Program (CIP) provides funding of \$816.0 million, of which \$212.8 million is allocated in 2023-2024. The five-year CIP is developed by City staff, reviewed by the Treatment Plant Advisory Committee (TPAC), and approved by the San José City Council. The budgeted costs are allocated to each agency based on its contracted-for capacity in the RWF. Each agency is responsible for its allocated share of RWF costs, as well as the operation, maintenance, and capital costs of its own sewage collection system; debt service on bonds issued by the agency for sewer purposes; and any other sewer service-related costs. Each agency is also responsible for establishing and collecting its respective sewer service and use charges, connection fees, or other charges for sewer service.

This program is part of the Environmental and Utility Services City Service Area (CSA) and supports the following outcomes: *Reliable Utility Infrastructure* and *Healthy Streams, Rivers, Marsh, and Bay*.

PROGRAM PRIORITIES AND OBJECTIVES

The 2024-2028 Adopted CIP is consistent with the goals and policies outlined in the City's Envision San José 2040 General Plan. The following are the identified goals and priorities for 2023-2024:

- Maintain adequate operational capacity for wastewater treatment to accommodate the City's economic and population growth;
- Adopt and implement new technologies for wastewater to achieve greater safety, energy efficiency, and environmental benefit; and
- Maintain and operate the RWF in compliance with all applicable local, state, and federal regulatory requirements.

Water Pollution Control

2024-2028 Adopted Capital Improvement Program

OVERVIEW

PROGRAM PRIORITIES AND OBJECTIVES

The development of the Adopted CIP is guided by the Plant Master Plan (PMP), a 30-year planning-level document focused on long-term rehabilitation and modernization of the RWF. The City Council approved a preferred alternative for the Draft PMP in 2011 and in 2013, the City Council approved the PMP and certified the final Environmental Impact Report. In December 2013, Santa Clara's City Council took similar actions.



San José-Santa Clara Regional Wastewater Facility

The PMP recommends more than 114 capital improvement projects to be implemented over a 30-year planning period at an estimated investment level of approximately \$2 billion. The PMP assumed an implementation schedule of 2010 through 2040.

In 2013, the City Council approved a multi-year master services agreement with MWH Americas, Inc. (MWH) for program management consultant services to assist with managing and implementing the RWF CIP. In 2017, MWH was acquired by Stantec Consulting Services Inc. (Stantec). In 2022, the City Council approved an amendment to extend Stantec's services through 2026 to align with completion of major capital projects under construction.

Program priorities for the near term include: managing long-term financing (for San José only); continuing to focus on program and project delivery; and actively managing project risks and variables to inform timing and amount of major encumbrances.

New Headworks



Water Pollution Control

2024-2028 Adopted Capital Improvement Program

OVERVIEW

SOURCES OF FUNDING

Revenues for the 2024-2028 Adopted CIP are derived from several sources: transfers from the Sewer Service and Use Charge (SSUC) Fund, contributions from the City of Santa Clara and other tributary agencies, interest earnings, Calpine Metcalf Energy Center Facilities repayments, and debt-financing proceeds. Occasional transfers from the Sewage Treatment Plant Connection Fee Fund are programmed as needed per the receipt of connection fee revenue in that fund.

The SSUC Fund derives its revenues from fees imposed on San José users of the residential, commercial, and industrial sanitary sewer system. Transfers from this fund to the RWF CIP over the five years total \$276.9 million, which represents a \$32.8 million (10.6%) decrease as compared to the 2023-2027 Adopted CIP.

Contributions from the City of Santa Clara and other agencies are determined according to agreements with the participating agencies, the amount and characteristics of flows from each agency's connections to the RWF, and the adopted budget for that fiscal year. In this Adopted CIP, contributions from the City of Santa Clara and other agencies total \$208.5 million, which represents a \$43.4 million (26.3%) increase compared to the 2023-2027 Adopted CIP.

To accommodate San José's portion of the project costs for the RWF, Financing Proceeds (Wastewater Revenue Notes and Bond Proceeds) are assumed to cover costs of the RWF improvements in the Adopted CIP. The establishment of an interim financing program, in the form of Wastewater Revenue Notes, was approved in October 2017 and renewed in September 2020 to provide up to \$300 million in interim financing capacity. The Notes provide periodic, short-term, flexible funding to meet the cash flow needs of the RWF improvement project. Generally, the notes are repaid within a three-year period and offer lower interest costs than fixed rate bonds. In December 2022, long-term bonds in the amount of \$301.1 million were issued to both repay the Wastewater Revenue Notes issued since 2017-2018 and to cover other CIP project and financing costs within that fiscal year. Associated debt service for the Wastewater Revenue Notes and debt service for the bonds total \$106.9 million in this CIP, which includes \$17.6 million in 2023-2024, \$19.7 million in 2024-2025, \$22.0 million in 2025-2026, \$23.8 million in 2026-2027, and \$23.8 million in 2027-28. The estimated size of the debt financings and the related debt service are scheduled to cover external third-party capital costs programmed in the 2024-2028 Adopted CIP while avoiding large rate increases that would be required to fund the PMP in a "pay-as-you-go" scenario. City of San José staff costs will be cash-funded and not included in either the Wastewater Revenue Notes program or long-term debt financing. Additional debt financing, in the form of notes and bonds, will likely be needed to fund project costs beyond the Adopted CIP period.

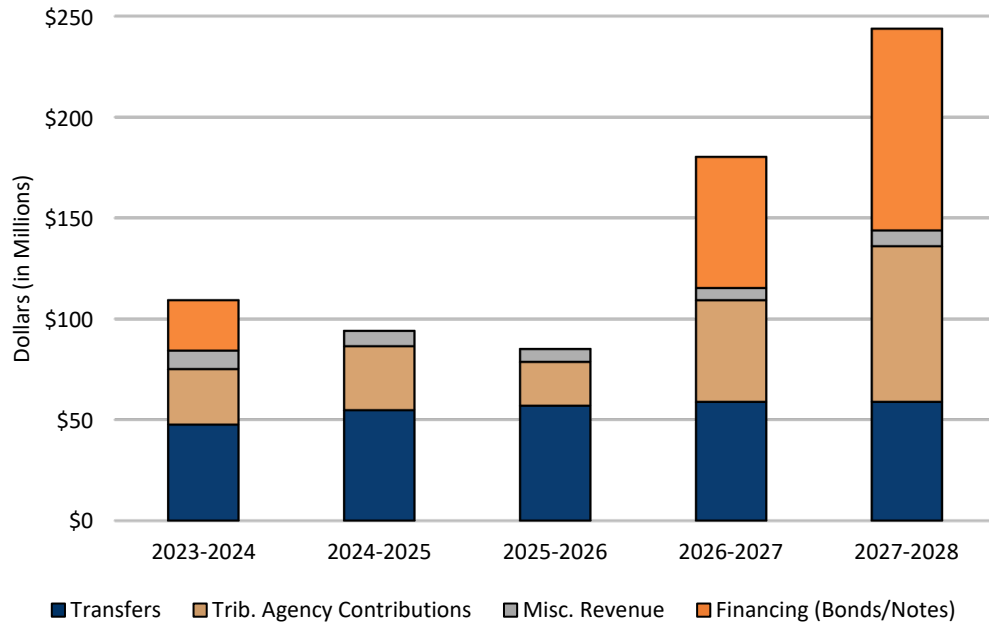
Water Pollution Control

2024-2028 Adopted Capital Improvement Program

OVERVIEW

SOURCES OF FUNDING

Summary of Revenues



Water Pollution Control

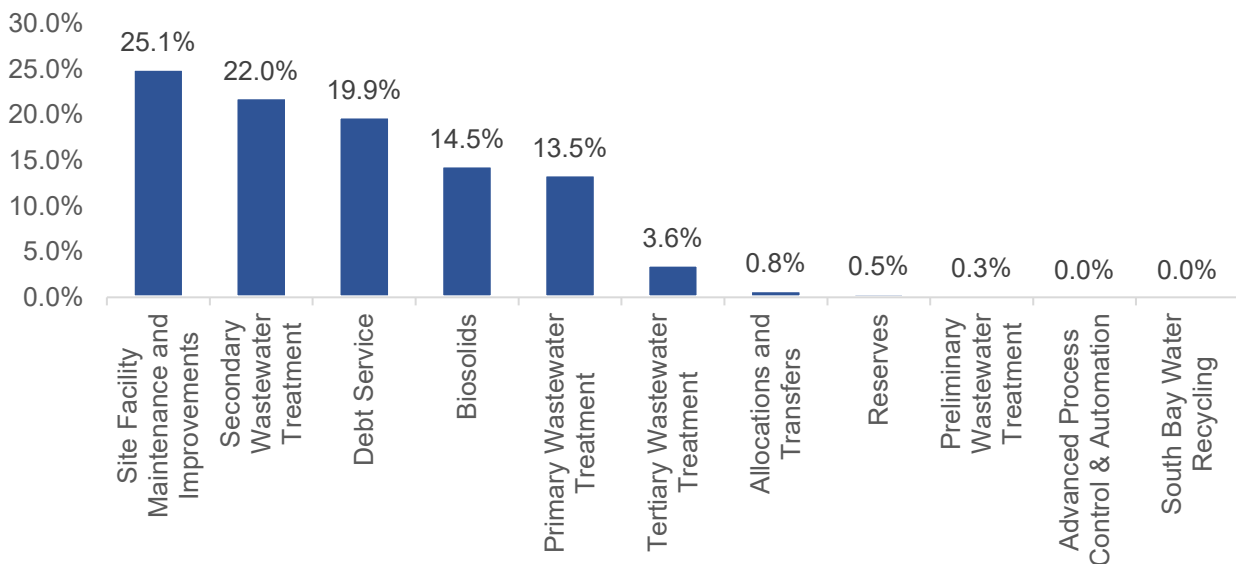
2024-2028 Adopted Capital Improvement Program

OVERVIEW

PROGRAM HIGHLIGHTS

The Water Pollution Control Capital Program’s expenditures are organized to show the use of funds in several categories, as summarized in the table below.

**2024-2028 Water Pollution Control
Capital Program Expenditures
\$810.1 million
(excludes Ending Fund Balance)**



Program/Project Delivery and Implementation: Successful delivery of this large, multi-disciplinary CIP requires an integrated team of City staff, outside consultants, and contractors. To address the significant large-scale construction activity, City staff has implemented a construction management strategy that has been incorporated into the 2024-2028 Adopted CIP. This includes maintaining a construction management budget to provide the necessary support from Public Works Department and third-party construction management and controls consultants required for projects of this magnitude and complexity.

Program/Project Delivery Variables: On the project delivery front, it is important to recognize that several projects in the Adopted CIP are in the feasibility/development or design phases. Staff will continue to develop and refine project scope, schedules, and budgets as the projects progress through scoping, preliminary engineering, detailed design, and bid award. To the extent possible, staff will continue to monitor and implement mitigation measures to minimize impacts to project delivery schedule and cost caused by various factors such as changes in project delivery staffing resources, long lead time items, external permit reviews and approvals, and construction bidding climate. The program team continues to work on developing standardized project delivery tools, design standards and specifications, control system and integration strategies, startup, commissioning, and training.

Water Pollution Control

2024-2028 Adopted Capital Improvement Program

OVERVIEW

PROGRAM HIGHLIGHTS

Digested Sludge Dewatering Facility

The addition of a mechanical dewatering facility to replace the existing lagoons and drying beds at the Plant was identified as a priority since the adoption of the PMP that TPAC recommended and City Council approved in 2013.



View of new dewatering building

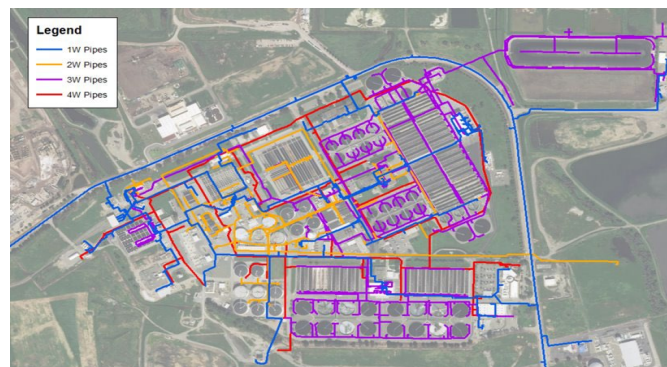
The project will construct a new dewatering building to house mechanical dewatering equipment; dewatered cake storage, conveyance, and truck load-out facility; chemical feed station; pump station to return centrate to headworks; operations and maintenance space and storage; and associated mechanical, electrical, and instrumentation equipment. The facilities will transfer sludge from the digesters to the new dewatering building on the east side of Zanker Road. The dewatered sludge will be loaded into trucks and hauled away for a variety of beneficial uses.

Ultimately, the project will allow the Plant to retire its current open-air operation, which uses more than 500 acres of land and requires four years to produce sundried biosolids. By comparison, the new dewatering facility will use 10 acres of land and dewater biosolids in less than one day.

The 2024-2028 Adopted CIP allocates \$7.6 million for construction and post-construction. The estimated total project cost is \$178.0 million and construction is anticipated to be finished in 2025-2026.

Facility Wide Water Systems Improvements

The Plant has five water systems including potable water (1W), groundwater (2W), process water (3W), fire protection water (4W), and recycled water (RW). These water systems were constructed over time and have not been upgraded on account of age, water demands, or pressure requirements over several decades. Prior condition assessments indicated that much of the existing water system piping is at or nearing the end of its useful service life.



Project site map

The project will upgrade and/or replace aging components of the various Plant water systems to extend the useful service life and reliably meet current and future water demands.

Water Pollution Control

2024-2028 Adopted Capital Improvement Program

OVERVIEW

PROGRAM HIGHLIGHTS

The 2024-2028 Adopted CIP allocates \$62.2 million for construction and post-construction costs. The estimated total project cost is \$75.4 million. Construction award is expected in 2023-2024 and construction completion is anticipated in 2025-2026.

For further information on the program's individual projects, please refer to the Detail Pages.

MAJOR CHANGES FROM THE 2023-2027 ADOPTED CIP

The overall size of the Water Pollution Control CIP has decreased by \$217.5 million from \$1.03 billion in the 2023-2027 Adopted CIP to \$816.0 million in the 2024-2028 Adopted CIP. The changes to the size of the CIP are attributable to projects being completed and are therefore no longer funded in the future, or to projects that have been otherwise shifted out of the five-year planning horizon.

Major Changes to Project Budgets

The following table outlines the most significant changes to project budgets, including new/augmented allocations and reduced/eliminated allocations.

| Project Name | Incr/(Decr) |
|--|-----------------|
| Aeration Tanks and Blower Rehabilitation | \$105.4 million |
| Additional Digester Upgrades | \$49.0 million |
| Facility Wide Water Systems Improvements | \$16.9 million |
| Plantwide Security Systems Upgrade | \$9.9 million |
| Flood Protection | \$5.0 million |

OPERATING BUDGET IMPACT

The Digested Sludge Dewatering Facility Project is expected to introduce significant new operating costs in the San José-Santa Clara Treatment Plant Operating Fund in the Operating Budget. The estimated operating and maintenance impacts are due to chemical, labor, maintenance consumables (e.g., parts, oil), electrical, and hauling & tipping costs. Until the lagoons and drying beds can be fully retired, it is anticipated there will be several years with the new dewatering facility and existing lagoons and drying beds in concurrent operation. Detail on the impacts beginning in 2025-2026 through 2027-2028 is provided in Attachment A at the conclusion of the Overview and in the Project Detail Pages.

Net operating cost impacts will continue to be evaluated and updated based on final design and operation configurations and may result in different costs when the actual budget for the year in question is developed.

Water Pollution Control

2024-2028 Adopted Capital Improvement Program

OVERVIEW

COUNCIL-APPROVED REVISIONS TO THE PROPOSED CAPITAL IMPROVEMENT PROGRAM

Changes to the Proposed Capital Improvement Program were brought forward in the Mayor's June Budget Message for Fiscal Year 2023-2024 and adopted by the City Council on June 20, 2023. This included rebudgeting of unexpended funding for projects totaling \$35.1 million in [Manager's Budget Addendum #60](#), the largest of which includes Facility Wide Water Systems Improvements (\$5.0 million), Plantwide Security Systems Upgrade (\$4.4 million), Plant Infrastructure Improvements (\$4.0 million), Final Effluent Pump Station & Stormwater Channel Improvements (\$3.6 million), Aeration Tanks and Blower Rehabilitation (\$3.3 million), Support Building Improvements (\$3.1 million), Filter Rehabilitation (\$1.9 million), Owner Controlled Insurance Program (\$1.6 million), New Headworks (\$1.5 million), Nitrification Clarifier Rehabilitation (\$1.3 million), and Storm Drain System Improvements (\$1.0 million).

For more information, please refer to the [Mayor's June Budget Message for Fiscal Year 2023-2024](#), located in the Appendices of this document, and [Manager Budget Addendum #61](#) which incorporates adjustments per the Mayor's June Budget Message.

Water Pollution Control

2024-2028 Adopted Capital Improvement Program

Attachment A - Operating Budget Impact

| | <u>2024-2025</u> | <u>2025-2026</u> | <u>2026-2027</u> | <u>2027-2028</u> |
|---------------------------------------|------------------|---------------------|---------------------|---------------------|
| <u>Water Pollution Control</u> | | | | |
| Digested Sludge Dewatering Facility | _____ | <u>\$15,492,000</u> | <u>\$18,192,000</u> | <u>\$19,444,000</u> |
| Total Water Pollution Control | | \$15,492,000 | \$18,192,000 | \$19,444,000 |

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Water Pollution Control

2024-2028 Adopted Capital Improvement Program

Source of Funds (Combined)

| | Estimated 2022-2023 | 2023-2024 | 2024-2025 | 2025-2026 | 2026-2027 | 2027-2028 | 5-Year Total |
|--|------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|
| San José-Santa Clara Treatment Plant Capital Fund (512) | | | | | | | |
| Beginning Balance | (56,902,424) | 99,467,510 | 20,693,510 | 5,120,510 | 5,729,510 | 6,926,510 | 99,467,510 |
| Reserve for Encumbrance | 253,154,217 | | | | | | |
| Transfers and Reimbursements | | | | | | | |
| Transfer for Plant CIP Debt Service from Sewer Service and Use Charge Fund (541) | 15,338,000 | 17,577,000 | 19,715,000 | 21,954,000 | 23,845,000 | 23,846,000 | 106,937,000 |
| Transfer for Capital Projects from Sewer Service and Use Charge Fund (541) | 30,000,000 | 30,000,000 | 35,000,000 | 35,000,000 | 35,000,000 | 35,000,000 | 170,000,000 |
| TOTAL Transfers and Reimbursements | 45,338,000 | 47,577,000 | 54,715,000 | 56,954,000 | 58,845,000 | 58,846,000 | 276,937,000 |
| Revenue from Use of Money and Property | | | | | | | |
| Interest Income | 4,817,000 | 8,707,000 | 7,165,000 | 5,940,000 | 5,589,000 | 7,371,000 | 34,772,000 |
| TOTAL Revenue from Use of Money and Property | 4,817,000 | 8,707,000 | 7,165,000 | 5,940,000 | 5,589,000 | 7,371,000 | 34,772,000 |
| Revenue from Local Agencies | | | | | | | |
| WPCP Projects and Equipment Replacement | 25,939,000 | 27,528,000 | 31,724,000 | 21,724,000 | 50,392,000 | 77,150,000 | 208,518,000 |
| TOTAL Revenue from Local Agencies | 25,939,000 | 27,528,000 | 31,724,000 | 21,724,000 | 50,392,000 | 77,150,000 | 208,518,000 |
| Other Revenue | | | | | | | |
| Calpine Metcalf Energy Center Facilities Repayment | 389,000 | 389,000 | 389,000 | 389,000 | 389,000 | 389,000 | 1,945,000 |
| TOTAL Other Revenue | 389,000 | 389,000 | 389,000 | 389,000 | 389,000 | 389,000 | 1,945,000 |
| Financing Proceeds | | | | | | | |
| Wastewater Revenue Notes | 178,130,000 | 25,000,000 | | | 65,000,000 | 100,000,000 | 190,000,000 |

* The 2024-2025 through 2027-2028 Beginning Balances are excluded from the FIVE-YEAR TOTAL SOURCE OF FUNDS to avoid multiple counting of the same funds.

Water Pollution Control

2024-2028 Adopted Capital Improvement Program

Source of Funds (Combined)

| | Estimated 2022-2023 | 2023-2024 | 2024-2025 | 2025-2026 | 2026-2027 | 2027-2028 | 5-Year Total |
|--|------------------------|--------------------|--------------------|-------------------|--------------------|--------------------|--------------------|
| Bond Proceeds | 301,100,000 | | | | | | |
| TOTAL Financing Proceeds | 479,230,000 | 25,000,000 | | | 65,000,000 | 100,000,000 | 190,000,000 |
| Total San José-Santa Clara Treatment Plant Capital Fund (512) | 751,964,793 | 208,668,510 | 114,686,510 | 90,127,510 | 185,944,510 | 250,682,510 | 811,639,510 |
| South Bay Water Recycling Capital Fund (571) | | | | | | | |
| Beginning Balance | 4,003,802 | 4,034,802 | 406,802 | 444,802 | 482,802 | 520,802 | 4,034,802 |
| Revenue from Use of Money and Property | | | | | | | |
| Interest Income | 56,000 | 63,000 | 63,000 | 63,000 | 63,000 | 63,000 | 315,000 |
| TOTAL Revenue from Use of Money and Property | 56,000 | 63,000 | 63,000 | 63,000 | 63,000 | 63,000 | 315,000 |
| Total South Bay Water Recycling Capital Fund (571) | 4,059,802 | 4,097,802 | 469,802 | 507,802 | 545,802 | 583,802 | 4,349,802 |
| TOTAL SOURCES | 756,024,595 | 212,766,312 | 115,156,312 | 90,635,312 | 186,490,312 | 251,266,312 | 815,989,312 |

* The 2024-2025 through 2027-2028 Beginning Balances are excluded from the FIVE-YEAR TOTAL SOURCE OF FUNDS to avoid multiple counting of the same funds.

Water Pollution Control

2024-2028 Adopted Capital Improvement Program

Use of Funds (Combined)

| | Estimated 2022-2023 | 2023-2024 | 2024-2025 | 2025-2026 | 2026-2027 | 2027-2028 | 5-Year Total |
|---|------------------------|-------------------|-------------------|------------------|-------------------|--------------------|--------------------|
| Water Pollution Control | | | | | | | |
| Headworks Improvements | 3,382,849 | 481,000 | | | | | 481,000 |
| New Headworks | 28,363,404 | 1,880,000 | | | | | 1,880,000 |
| Preliminary Wastewater Treatment | 31,746,253 | 2,361,000 | | | | | 2,361,000 |
| East Primary Rehabilitation, Seismic Retrofit, and Odor Control | 155,000 | 6,206,000 | 1,419,000 | 5,386,000 | 1,389,000 | 94,756,000 | 109,156,000 |
| Primary Wastewater Treatment | 155,000 | 6,206,000 | 1,419,000 | 5,386,000 | 1,389,000 | 94,756,000 | 109,156,000 |
| Aeration Tanks and Blower Rehabilitation | 5,874,896 | 8,805,000 | 1,184,000 | 5,566,000 | 1,625,000 | 106,801,000 | 123,981,000 |
| Nitrification Clarifier Rehabilitation | 19,674,843 | 2,258,000 | 22,530,000 | 1,183,000 | 1,217,000 | 790,000 | 27,978,000 |
| Secondary Clarifier Rehabilitation | | | 565,000 | 2,833,000 | 22,379,000 | 159,000 | 25,936,000 |
| Secondary Wastewater Treatment | 25,549,739 | 11,063,000 | 24,279,000 | 9,582,000 | 25,221,000 | 107,750,000 | 177,895,000 |
| Filter Rehabilitation | 36,714,972 | 3,207,000 | | | | | 3,207,000 |
| Final Effluent Pump Station & Stormwater Channel Improvements | 311,000 | 4,128,000 | 12,460,000 | 449,000 | | | 17,037,000 |
| New Disinfection Facilities | | | | 952,000 | 6,179,000 | 722,000 | 7,853,000 |
| Outfall Channel and Instrumentation Improvements | 5,817,969 | 977,000 | | | | | 977,000 |
| Tertiary Wastewater Treatment | 42,843,941 | 8,312,000 | 12,460,000 | 1,401,000 | 6,179,000 | 722,000 | 29,074,000 |
| Additional Digester Upgrades | 355,000 | 2,147,000 | 1,208,000 | 5,920,000 | 97,757,000 | 1,860,000 | 108,892,000 |
| Digested Sludge Dewatering Facility | 141,589,305 | 4,929,000 | 2,317,000 | 793,000 | | | 8,039,000 |
| Digester and Thickener Facilities Upgrade | 12,061,292 | | | | | | |
| FOG Receiving | | | | | | 313,000 | 313,000 |
| Biosolids | 154,005,597 | 7,076,000 | 3,525,000 | 6,713,000 | 97,757,000 | 2,173,000 | 117,244,000 |
| Energy Generation Improvements | 2,788,715 | | | | | | |

* The 2023-2024 through 2026-2027 Ending Balances are excluded from the FIVE-YEAR TOTAL USE OF FUNDS to avoid multiple counting of the same funds.

Water Pollution Control

2024-2028 Adopted Capital Improvement Program

Use of Funds (Combined)

| | Estimated 2022-2023 | 2023-2024 | 2024-2025 | 2025-2026 | 2026-2027 | 2027-2028 | 5-Year Total |
|---|------------------------|--------------------|-------------------|-------------------|--------------------|--------------------|--------------------|
| Plant Electrical Reliability | 2,008,444 | | | | | | |
| Electrical Systems and Power Generation | 4,797,159 | | | | | | |
| Advanced Facility Control and Meter Replacement | 6,866,299 | 150,000 | | | | | 150,000 |
| Treatment Plant Distributed Control System | 2,153,912 | | | | | | |
| Advanced Process Control & Automation | 9,020,211 | 150,000 | | | | | 150,000 |
| Facility Wide Water Systems Improvements | 2,258,571 | 64,379,000 | 1,622,000 | 1,263,000 | | | 67,264,000 |
| Flood Protection | 974,867 | 5,684,000 | 7,731,000 | 269,000 | | | 13,684,000 |
| Plant Infrastructure Improvements | 1,821,119 | 6,003,000 | 2,056,000 | 1,000,000 | 1,000,000 | 1,000,000 | 11,059,000 |
| Plantwide Security Systems Upgrade | 1,969,005 | 14,822,000 | 6,502,000 | 124,000 | | | 21,448,000 |
| Storm Drain System Improvements | 9,555,183 | 2,018,000 | | | | | 2,018,000 |
| Support Building Improvements | 5,005,970 | 19,269,000 | 581,000 | 667,000 | 686,000 | 3,164,000 | 24,367,000 |
| Tunnel Rehabilitation | | | | 2,302,000 | 467,000 | 430,000 | 3,199,000 |
| Urgent and Unscheduled Treatment Plant Rehabilitation | 1,500,000 | 1,500,000 | 1,500,000 | 1,500,000 | 1,500,000 | 1,500,000 | 7,500,000 |
| Various Infrastructure Decommissioning | 24,000 | 435,000 | 2,590,000 | 18,470,000 | 691,000 | | 22,186,000 |
| Yard Piping and Road Improvements | 23,498,181 | 4,377,000 | 12,678,000 | 1,952,000 | 10,938,000 | 475,000 | 30,420,000 |
| Site Facility Maintenance and Improvements | 46,606,895 | 118,487,000 | 35,260,000 | 27,547,000 | 15,282,000 | 6,569,000 | 203,145,000 |
| Hydraulic Capacity Engineering | 25,000 | 25,000 | 25,000 | 25,000 | 25,000 | 25,000 | 125,000 |
| South Bay Water Recycling | 25,000 | 25,000 | 25,000 | 25,000 | 25,000 | 25,000 | 125,000 |
| Water Pollution Control - Construction | 314,749,795 | 153,680,000 | 76,968,000 | 50,654,000 | 145,853,000 | 211,995,000 | 639,150,000 |
| Debt Service Repayment for Plant Capital Improvement Projects | 315,338,000 | | 2,115,000 | 4,354,000 | 6,245,000 | 6,246,000 | 18,960,000 |

* The 2023-2024 through 2026-2027 Ending Balances are excluded from the FIVE-YEAR TOTAL USE OF FUNDS to avoid multiple counting of the same funds.

Water Pollution Control

2024-2028 Adopted Capital Improvement Program Use of Funds (Combined)

| | Estimated 2022-2023 | 2023-2024 | 2024-2025 | 2025-2026 | 2026-2027 | 2027-2028 | 5-Year Total |
|---|------------------------|--------------------|--------------------|-------------------|--------------------|--------------------|--------------------|
| Owner Controlled Insurance Program | 2,250,000 | 2,613,000 | 764,000 | | | | 3,377,000 |
| Preliminary Engineering - Water Pollution Control | 4,504,799 | 2,000,000 | 1,000,000 | 1,000,000 | 1,000,000 | 1,000,000 | 6,000,000 |
| Program Management - Water Pollution Control | 14,371,004 | 10,845,000 | 10,311,000 | 10,253,000 | 6,801,000 | 6,289,000 | 44,499,000 |
| RWF Bond Debt Service 2022A | | 17,577,000 | 17,600,000 | 17,600,000 | 17,600,000 | 17,600,000 | 87,977,000 |
| General Non-Construction - Water Pollution Control | 336,463,803 | 33,035,000 | 31,790,000 | 33,207,000 | 31,646,000 | 31,135,000 | 160,813,000 |
| Water Pollution Control - Non-Construction | 336,463,803 | 33,035,000 | 31,790,000 | 33,207,000 | 31,646,000 | 31,135,000 | 160,813,000 |
| Public Art Allocation | 108,000 | | | | | | |
| Public Art Projects | 108,000 | | | | | | |
| Capital Program and Public Works Department Support Service Costs | 1,086,000 | 1,246,000 | 793,000 | 522,000 | 1,504,000 | 2,187,000 | 6,252,000 |
| Allocations | 1,086,000 | 1,246,000 | 793,000 | 522,000 | 1,504,000 | 2,187,000 | 6,252,000 |
| City Hall Debt Service Fund | 70,242 | 39,000 | 40,000 | 40,000 | 40,000 | 40,000 | 199,000 |
| Transfers to Special Funds | 70,242 | 39,000 | 40,000 | 40,000 | 40,000 | 40,000 | 199,000 |
| Transfer to the General Fund | 44,443 | | | | | | |
| Transfers to the General Fund | 44,443 | | | | | | |
| Transfers Expense | 114,685 | 39,000 | 40,000 | 40,000 | 40,000 | 40,000 | 199,000 |
| Hydraulic Capacity Enhancements Reserve | | 3,666,000 | | | | | 3,666,000 |
| Expense Reserves - Non-Construction | | 3,666,000 | | | | | 3,666,000 |
| Total Expenditures | 652,522,283 | 191,666,000 | 109,591,000 | 84,423,000 | 179,043,000 | 245,357,000 | 810,080,000 |
| Ending Fund Balance | 103,502,312 | 21,100,312 | 5,565,312 | 6,212,312 | 7,447,312 | 5,909,312 | 5,909,312 |
| TOTAL | 756,024,595 | 212,766,312 | 115,156,312 | 90,635,312 | 186,490,312 | 251,266,312 | 815,989,312 |

* The 2023-2024 through 2026-2027 Ending Balances are excluded from the FIVE-YEAR TOTAL USE OF FUNDS to avoid multiple counting of the same funds.

Water Pollution Control
2024-2028 Adopted Capital Improvement Program
Detail of One-Time Projects

Additional Digester Upgrades

| | | | |
|--------------------------|------------------------------------|-------------------------------|---------------|
| CSA | Environmental and Utility Services | Initial Start Date | 3rd Qtr. 2021 |
| CSA Outcome | Reliable Utility Infrastructure | Initial End Date | 2nd Qtr. 2028 |
| Location | Water Pollution Control Plant | Revised Start Date | 2nd Qtr. 2022 |
| Dept Owner | Environmental Services | Revised End Date | 3rd Qtr. 2030 |
| Council Districts | 4 | Initial Project Budget | \$64,475,000 |
| Appropriation | A426D | FY Initiated | 2021-2022 |

Description This project will rehabilitate up to six existing anaerobic digesters, including installation of new covers and mixers, upgrades to the existing sludge distribution piping, and upgrades to the digester heat supply system. The project may also include the installation of batch tanks to produce Class A biosolids (if required by future regulations).

Justification This project will complete the second phase of work for the Digester and Thickener Facilities Upgrade to ensure safe and reliable operation of the digestion facilities.

Notes This project corresponds to Plant Master Plan Project Nos. 50, 51, and 53, and Validation Project PS-02. Prior to 2018-2022, this project was part of "Digester and Thickener Facilities Upgrade".

Major Cost Changes 2024-2028 CIP – Increase of \$49.0 million due to revised scope and cost estimate.

| | PRIOR YEARS | FY23 EST | FY24 | FY25 | FY26 | FY27 | FY28 | 5 YEAR TOTAL | BEYOND 5 YEARS | PROJECT TOTAL |
|------------------------------------|----------------|-------------|--------------|--------------|--------------|---------------|--------------|-----------------|-------------------|------------------|
| Expenditure Schedule (000s) | | | | | | | | | | |
| Project Feasibility Development | 5 | 355 | 1,272 | | | | | 1,272 | | 1,632 |
| Design | | | 875 | 698 | | | | 1,573 | | 1,573 |
| Bid & Award | | | | 510 | 5,920 | 934 | | 7,364 | | 7,364 |
| Construction | | | | | | | 96,823 | 1,860 | 98,683 | 3,012 |
| Post Construction | | | | | | | | | | 1,217 |
| Total | 5 | 355 | 2,147 | 1,208 | 5,920 | 97,757 | 1,860 | 108,892 | 4,229 | 113,481 |

| | PRIOR YEARS | FY23 EST | FY24 | FY25 | FY26 | FY27 | FY28 | 5 YEAR TOTAL | BEYOND 5 YEARS | PROJECT TOTAL |
|---|----------------|-------------|--------------|--------------|--------------|---------------|--------------|-----------------|-------------------|------------------|
| Funding Source Schedule (000s) | | | | | | | | | | |
| San José-Santa Clara Treatment Plant Capital Fund (512) | 5 | 355 | 2,147 | 1,208 | 5,920 | 97,757 | 1,860 | 108,892 | 4,229 | 113,481 |
| Total | 5 | 355 | 2,147 | 1,208 | 5,920 | 97,757 | 1,860 | 108,892 | 4,229 | 113,481 |

| | PRIOR YEARS | FY23 EST | FY24 | FY25 | FY26 | FY27 | FY28 | 5 YEAR TOTAL | BEYOND 5 YEARS | PROJECT TOTAL |
|--------------|----------------|-------------|------|------|------|------|------|-----------------|-------------------|------------------|
| Total | | | | | | | | | | |

Water Pollution Control
2024-2028 Adopted Capital Improvement Program
Detail of One-Time Projects

Aeration Tanks and Blower Rehabilitation

| | | | |
|--------------------------|------------------------------------|-------------------------------|---------------|
| CSA | Environmental and Utility Services | Initial Start Date | 1st Qtr. 2015 |
| CSA Outcome | Reliable Utility Infrastructure | Initial End Date | 3rd Qtr. 2025 |
| Location | Water Pollution Control Plant | Revised Start Date | 2nd Qtr. 2015 |
| Dept Owner | Environmental Services | Revised End Date | 3rd Qtr. 2027 |
| Council Districts | 4 | Initial Project Budget | \$114,880,000 |
| Appropriation | A7677 | FY Initiated | 2014-2015 |

Description This project rehabilitates the secondary and nitrification aeration tanks including structural, mechanical, electrical, and instrumentation upgrades. It also replaces the remaining existing coarse bubble diffusers with fine bubble diffusers; installs partition walls and reconfigures air piping to optimize process treatment capabilities; and repairs concrete and applies coatings. This is the first phase of a multi-phased project. Based on performance of the tanks and updated flows and loads data, there is potential for a second and third phase. This Phase I work will help inform the scope and budget of the potential future budget phase(s). This project also installs Variable Frequency Drives (VFDs), new motors, new Motor Control Centers (MCC), and new controls for the electric driven blowers in Building 40 and Tertiary Blower Building; decommissions the engine driven blowers in the Secondary Blower Building; and replaces the S11 switchgear.

Justification Due to the age and the aggressive and corrosive environment the aeration tanks operate in, extensive rehabilitation is required. Conversion to fine bubble diffusers will increase the oxygen transfer efficiency and decrease energy requirements. Installing VFDs will minimize the impact of starting current on the blowers when the Plant is run on emergency power. Lastly, the S11 switchgear and MCCs need to be upgraded to be compatible with the new VFDs.

Notes This project corresponds to Plant Master Plan Project Nos. 20, 24, and 85 and Validation Project PLS-01.

Major Cost Changes 2016-2020 CIP - Increase of \$4.4 million due to escalation of construction costs.
 2018-2022 CIP - Increase of \$4.5 million due to a revised scope and cost estimate.
 2019-2023 CIP - Increase of \$26.5 million due to an updated construction cost estimate.
 2020-2024 CIP - Decrease of \$16.9 million due to updated construction estimate and lower than expected construction bids.
 2023-2027 CIP - Decrease of \$52.8 million due to revised scope and cost estimate to include only Phase I of this project.
 2024-2028 CIP – Increase of \$105.4 million due to revised scope and cost estimate for Aeration Basin Mods – Phase 1.

| | PRIOR YEARS | FY23 EST | FY24 | FY25 | FY26 | FY27 | FY28 | 5 YEAR TOTAL | BEYOND 5 YEARS | PROJECT TOTAL |
|------------------------------------|---------------|--------------|--------------|--------------|--------------|--------------|----------------|----------------|----------------|----------------|
| Expenditure Schedule (000s) | | | | | | | | | | |
| Project Feasibility Development | 6,350 | 1,212 | 5,904 | 245 | 15 | | | 6,164 | | 13,726 |
| Design | 4,329 | | 1,545 | 939 | 817 | | | 3,301 | | 7,630 |
| Bid & Award | 273 | | | | 4,734 | 1,625 | 322 | 6,681 | | 6,954 |
| Construction | 38,796 | 4,663 | 1,356 | | | | 106,479 | 107,835 | 3,070 | 154,364 |
| Post Construction | | | | | | | | | 671 | 671 |
| Total | 49,748 | 5,875 | 8,805 | 1,184 | 5,566 | 1,625 | 106,801 | 123,981 | 3,741 | 183,345 |

| Funding Source Schedule (000s) | | | | | | | | | | |
|---|---------------|--------------|--------------|--------------|--------------|--------------|----------------|----------------|--------------|----------------|
| San José-Santa Clara Treatment Plant Capital Fund (512) | 49,748 | 5,875 | 8,805 | 1,184 | 5,566 | 1,625 | 106,801 | 123,981 | 3,741 | 183,345 |
| Total | 49,748 | 5,875 | 8,805 | 1,184 | 5,566 | 1,625 | 106,801 | 123,981 | 3,741 | 183,345 |

| Annual Operating Budget Impact (000s) | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|
| Total | | | | | | | | | | |

Water Pollution Control
2024-2028 Adopted Capital Improvement Program
Detail of One-Time Projects

Digested Sludge Dewatering Facility

| | | | |
|--------------------------|------------------------------------|-------------------------------|---------------|
| CSA | Environmental and Utility Services | Initial Start Date | 3rd Qtr. 2012 |
| CSA Outcome | Reliable Utility Infrastructure | Initial End Date | 2nd Qtr. 2013 |
| Location | Water Pollution Control Plant | Revised Start Date | 3rd Qtr. 2014 |
| Dept Owner | Environmental Services | Revised End Date | 4th Qtr. 2025 |
| Council Districts | 4 | Initial Project Budget | \$1,000,000 |
| Appropriation | A7452 | FY Initiated | 2012-2013 |

Description This project will construct a new mechanical dewatering facility and support systems to replace the existing sludge storage lagoons and open air solar drying beds. All new mechanical dewatering units, feed tank, storage, conveyance, and chemical dosing facilities will be housed in an odor-controlled building.

Justification This project responds to a recommendation in the adopted Plant Master Plan to consolidate the Plant's operational area by reducing the biosolids process footprint. It also provides greater flexibility in biosolids disposal options in anticipation of the potential Newby Island landfill closure in 2025, responds to stricter regulations for landfilling and alternative daily cover, and addresses odor, noise, and aesthetics concerns from the operations of the lagoons and sludge drying beds.

Notes This project corresponds to Plant Master Plan Project Nos. 44, 54, 57-60 and Validation Project PS-03. The estimated operating and maintenance impacts are due to chemical, labor, maintenance consumables (e.g. parts, oil), electrical, and hauling & tipping costs. Until the lagoons and drying beds can be fully retired, it is anticipated there will be several years with the new dewatering facility and existing lagoons and drying beds in concurrent operation.

Major Cost Changes 2014-2018 CIP - Increase of \$325.0 million due to accelerated project start and compressed implementation schedule. 2015-2019 CIP - Decrease of \$256.8 million due to creation of separate biosolids projects through project validation. 2016-2020 CIP - Increase of \$1.6 million due to escalation of construction costs. 2017-2021 CIP - Increase of \$28.1 million due to increased scope and revised cost estimate. 2019-2023 CIP - Increase of \$18.3 million due to an updated construction cost estimate. 2020-2024 CIP - Increase of \$11.8 million due to an increase in scope and updated construction cost estimate. 2021-2025 CIP - Increase of \$26.4 million due to an updated scope and construction cost estimate. 2022-2026 CIP - Increase of \$13.0 million due to an updated scope and construction cost estimate.

| | PRIOR YEARS | FY23 EST | FY24 | FY25 | FY26 | FY27 | FY28 | 5 YEAR TOTAL | BEYOND 5 YEARS | PROJECT TOTAL |
|------------------------------------|----------------|----------------|--------------|--------------|------------|------|------|-----------------|-------------------|------------------|
| Expenditure Schedule (000s) | | | | | | | | | | |
| Project Feasibility Development | 5,446 | | | | | | | | | 5,446 |
| Design | 12,164 | 847 | | | | | | | | 13,011 |
| Bid & Award | 1,409 | 173 | | | | | | | | 1,582 |
| Construction | 9,323 | 140,570 | 4,929 | 2,317 | 554 | | | 7,800 | | 157,693 |
| Post Construction | | | | | 239 | | | 239 | | 239 |
| Total | 28,342 | 141,589 | 4,929 | 2,317 | 793 | | | 8,039 | | 177,971 |

| Funding Source Schedule (000s) | | | | | | | | | | |
|---|---------------|----------------|--------------|--------------|------------|--|--|--------------|--|----------------|
| San José-Santa Clara Treatment Plant Capital Fund (512) | 28,342 | 141,589 | 4,929 | 2,317 | 793 | | | 8,039 | | 177,971 |
| Total | 28,342 | 141,589 | 4,929 | 2,317 | 793 | | | 8,039 | | 177,971 |

| Annual Operating Budget Impact (000s) | | | | |
|--|--|---------------|---------------|---------------|
| Operating | | 15,356 | 18,000 | 19,246 |
| Maintenance | | 136 | 192 | 198 |
| Total | | 15,492 | 18,192 | 19,444 |

Water Pollution Control
2024-2028 Adopted Capital Improvement Program
Detail of One-Time Projects

East Primary Rehabilitation, Seismic Retrofit, and Odor Control

| | | | |
|--------------------------|------------------------------------|-------------------------------|---------------|
| CSA | Environmental and Utility Services | Initial Start Date | 3rd Qtr. 2009 |
| CSA Outcome | Reliable Utility Infrastructure | Initial End Date | 4th Qtr. 2012 |
| Location | Water Pollution Control Plant | Revised Start Date | |
| Dept Owner | Environmental Services | Revised End Date | 4th Qtr. 2031 |
| Council Districts | 4 | Initial Project Budget | \$3,605,000 |
| Appropriation | A7226 | FY Initiated | 2010-2011 |

Description This project rehabilitates the existing primary clarifiers, including the coating of concrete and replacement of clarifier mechanisms with corrosion resistant materials. It also includes structural retrofits to allow new covers to be installed over a portion or all of the primary treatment area to contain odors. A new odor extraction and treatment system will also be constructed.

Justification This project restores the mechanical and structural integrity of the aging clarifiers and provides odor control measures.

Notes This project corresponds to Plant Master Plan Project Nos. 9, 10, and 11 and Validation Project PLP-02.

Major Cost Changes 2012-2016 CIP - Increase of \$80.1 million; \$16.6 million due to increase of scope to incorporate master planning recommendations for seismic upgrades and odor control measures; \$63.5 million reflects the addition of the Beyond 5-Year expense not previously programmed.
 2013-2017 CIP - Decrease of \$1.7 million due to revised cost estimate.
 2015-2019 CIP - Increase of \$27.5 million due to revised project validation cost estimate.
 2016-2020 CIP - Increase of \$3.6 million due to escalation of construction costs.

| | PRIOR YEARS | FY23 EST | FY24 | FY25 | FY26 | FY27 | FY28 | 5 YEAR TOTAL | BEYOND 5 YEARS | PROJECT TOTAL |
|------------------------------------|----------------|-------------|--------------|--------------|--------------|--------------|---------------|-----------------|-------------------|------------------|
| Expenditure Schedule (000s) | | | | | | | | | | |
| Project Feasibility Development | 56 | 155 | 5,606 | | | | | 5,606 | | 5,817 |
| Design | 30 | | | | 5,386 | 1,389 | | 6,775 | | 6,805 |
| Bid & Award | | | 600 | 1,419 | | | | 2,019 | | 2,019 |
| Construction | | | | | | | 94,089 | 94,089 | 3,077 | 97,166 |
| Post Construction | | | | | | | 667 | 667 | 500 | 1,167 |
| Total | 86 | 155 | 6,206 | 1,419 | 5,386 | 1,389 | 94,756 | 109,156 | 3,577 | 112,974 |

| Funding Source Schedule (000s) | | | | | | | | | | |
|---|-----------|------------|--------------|--------------|--------------|--------------|---------------|----------------|--------------|----------------|
| San José-Santa Clara Treatment Plant Capital Fund (512) | 86 | 155 | 6,206 | 1,419 | 5,386 | 1,389 | 94,756 | 109,156 | 3,577 | 112,974 |
| Total | 86 | 155 | 6,206 | 1,419 | 5,386 | 1,389 | 94,756 | 109,156 | 3,577 | 112,974 |

| Annual Operating Budget Impact (000s) | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|
| Total | | | | | | | | | | |

Water Pollution Control
2024-2028 Adopted Capital Improvement Program
Detail of One-Time Projects

Facility Wide Water Systems Improvements

| | | | |
|--------------------------|------------------------------------|-------------------------------|---------------|
| CSA | Environmental and Utility Services | Initial Start Date | 3rd Qtr. 2014 |
| CSA Outcome | Reliable Utility Infrastructure | Initial End Date | 1st Qtr. 2022 |
| Location | Water Pollution Control Plant | Revised Start Date | |
| Dept Owner | Environmental Services | Revised End Date | 2nd Qtr. 2026 |
| Council Districts | 4 | Initial Project Budget | \$14,130,000 |
| Appropriation | A7679 | FY Initiated | 2014-2015 |

Description This project rehabilitates, replaces, and/or extends the Plant's four water systems including piping, valves, pumps, controls, and other ancillary equipment. The scope of work will be based on hydraulic modeling and study of existing and future water demands at the Plant. The project may be constructed in phases based on the outcome of the study and priority of needs.

Justification The Plant's four water systems include potable water, groundwater, process/fire protection water, and recycled water. These were constructed over time with various Plant expansions and are in need of rehabilitation and upgrade due to age, condition, worker safety, plant reliability, and code compliance requirements. In addition, changes to water uses and demands have not all been addressed over time. An updated hydraulic model and assessment of current and future water demands will allow for the proper sizing of these systems to improve current and future performance and reduce risk of damage to pumping equipment.

Notes This project corresponds to Plant Master Plan Project No. 105 and Validation Project PF-06.

Major Cost Changes 2016-2020 CIP - Increase of \$1.6 million due to escalation of construction costs.
 2018-2022 CIP - Increase of \$2.1 million due to revised project delivery cost estimate.
 2022-2026 CIP - Increase of \$38.6 million due to revised scope and delivery cost estimate.
 2024-2028 CIP – Increase of \$16.9 million due to an updated construction cost estimate.

| | PRIOR YEARS | FY23 EST | FY24 | FY25 | FY26 | FY27 | FY28 | 5 YEAR TOTAL | BEYOND 5 YEARS | PROJECT TOTAL |
|------------------------------------|----------------|--------------|---------------|--------------|--------------|------|------|-----------------|-------------------|------------------|
| Expenditure Schedule (000s) | | | | | | | | | | |
| Project Feasibility Development | 3,113 | 71 | | | | | | | | 3,184 |
| Design | 2,407 | 1,999 | | | | | | | | 4,406 |
| Bid & Award | 6 | 188 | 24 | | | | | 24 | | 218 |
| Construction | 305 | 0 | 64,355 | 1,622 | 856 | | | 66,833 | | 67,138 |
| Post Construction | | | | | 407 | | | 407 | | 407 |
| Total | 5,831 | 2,259 | 64,379 | 1,622 | 1,263 | | | 67,264 | | 75,353 |

| Funding Source Schedule (000s) | | | | | | | | | | |
|---|--------------|--------------|---------------|--------------|--------------|--|--|---------------|--|---------------|
| San José-Santa Clara Treatment Plant Capital Fund (512) | 5,831 | 2,259 | 64,379 | 1,622 | 1,263 | | | 67,264 | | 75,353 |
| Total | 5,831 | 2,259 | 64,379 | 1,622 | 1,263 | | | 67,264 | | 75,353 |

| Annual Operating Budget Impact (000s) | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|
| Total | | | | | | | | | | |

Water Pollution Control
2024-2028 Adopted Capital Improvement Program
Detail of One-Time Projects

Filter Rehabilitation

| | | | |
|--------------------------|------------------------------------|-------------------------------|---------------|
| CSA | Environmental and Utility Services | Initial Start Date | 3rd Qtr. 2011 |
| CSA Outcome | Reliable Utility Infrastructure | Initial End Date | 2nd Qtr. 2013 |
| Location | Water Pollution Control Plant | Revised Start Date | 3rd Qtr. 2014 |
| Dept Owner | Environmental Services | Revised End Date | 2nd Qtr. 2024 |
| Council Districts | 4 | Initial Project Budget | \$3,506,000 |
| Appropriation | A7227 | FY Initiated | 2010-2011 |

Description This project will replace filter media, valves, actuators, and electrical controls for all filters. It will also replace the existing surface wash system with a new air scour system, rehabilitate electrical switchgears and related motor control consoles, upgrade pipes, and make concrete repairs.

Justification The existing filter complex was constructed in the 1970s and requires significant refurbishment. The filter media, consisting of anthracite and sand, needs to be replaced and some of the mechanical and electrical components need to be upgraded. These critical improvements are needed to ensure continued regulatory compliance and operational reliability until a new filter complex is constructed.

Notes This project corresponds to Plant Master Plan Project Nos. 31, 32, and 33 as well as Validation Project PLF-01 and PLF-02.

Major Cost Changes 2014-2018 CIP - Decrease of \$2.7 million due to the removal of scope that is dependent on the evaluation of the demonstration project.
 2015-2019 CIP - Increase of \$26.9 million due to revised scope and project validation cost estimate.
 2016-2020 CIP - Increase of \$6.5 million due to revised cost estimate and escalation of construction costs.
 2017-2021 CIP - Increase of \$2.5 million due to increased project scope.
 2019-2023 CIP - Increase of \$6.9 million due to a revised construction cost estimate.
 2020-2024 CIP - Increase of \$2.5 million due to a revised construction cost estimate.
 2021-2025 CIP - Increase of \$12.6 million due to a revised construction estimate.

| | PRIOR YEARS | FY23 EST | FY24 | FY25 | FY26 | FY27 | FY28 | 5 YEAR TOTAL | BEYOND 5 YEARS | PROJECT TOTAL |
|------------------------------------|----------------|---------------|--------------|------|------|------|------|-----------------|-------------------|------------------|
| Expenditure Schedule (000s) | | | | | | | | | | |
| Project Feasibility Development | 2,047 | | | | | | | | | 2,047 |
| Design | 4,490 | | | | | | | | | 4,490 |
| Bid & Award | 592 | | | | | | | | | 592 |
| Construction | 13,064 | 36,494 | 2,844 | | | | | 2,844 | | 52,403 |
| Post Construction | | 221 | 363 | | | | | 363 | | 584 |
| Total | 20,193 | 36,715 | 3,207 | | | | | 3,207 | | 60,115 |

| Funding Source Schedule (000s) | | | | | | | | | | |
|---|---------------|---------------|--------------|--|--|--|--|--------------|--|---------------|
| San José-Santa Clara Treatment Plant Capital Fund (512) | 20,193 | 36,715 | 3,207 | | | | | 3,207 | | 60,115 |
| Total | 20,193 | 36,715 | 3,207 | | | | | 3,207 | | 60,115 |

| Annual Operating Budget Impact (000s) | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|
| Total | | | | | | | | | | |

Water Pollution Control
2024-2028 Adopted Capital Improvement Program
Detail of One-Time Projects

Final Effluent Pump Station & Stormwater Channel Improvements

| | | | |
|--------------------------|------------------------------------|-------------------------------|---------------|
| CSA | Environmental and Utility Services | Initial Start Date | 3rd Qtr. 2019 |
| CSA Outcome | Reliable Utility Infrastructure | Initial End Date | 3rd Qtr. 2025 |
| Location | Water Pollution Control Plant | Revised Start Date | |
| Dept Owner | Environmental Services | Revised End Date | 2nd Qtr. 2026 |
| Council Districts | 4 | Initial Project Budget | \$47,358,000 |
| Appropriation | A412H | FY Initiated | 2019-2020 |

Description This project designs and constructs a new pump station to hydraulically push the Plant's final treated effluent to Coyote Creek. Additionally, it will improve the existing stormwater channel by rehabilitating the flapper gates and embankments. The scope of this project is a two-phase approach, with the first phase including work related to the stormwater channel. Phase II will be developed at a future time.

Justification The U.S. Army Corps of Engineers (USACE) will be constructing a new shoreline levee and closure structure near the Plant's outfall channel to protect the region against future sea level rise from the San Francisco Bay. The USACE project will install a tide gate closure structure with two new flapper gates just north of the Plant's outfall bridge, which will inhibit the Plant's treated wastewater discharge into Coyote Creek (Phase I). A new final effluent pump station is required to lift the treated wastewater to the projected higher water surface elevations that will be held back by the new levee and tide gate in Coyote Creek (Phase II).

Notes This project corresponds to Validation Project PLD-03.

Major Cost Changes 2023-2027 CIP - Decrease of \$29.5 million due to reduction in project scope to include only Phase I of this project.

| | PRIOR YEARS | FY23 EST | FY24 | FY25 | FY26 | FY27 | FY28 | 5 YEAR TOTAL | BEYOND 5 YEARS | PROJECT TOTAL |
|------------------------------------|-------------|------------|--------------|---------------|------------|------|------|---------------|----------------|---------------|
| Expenditure Schedule (000s) | | | | | | | | | | |
| Project Feasibility Development | 769 | 311 | 1,976 | | | | | 1,976 | | 3,056 |
| Design | | | 2,152 | | | | | 2,152 | | 2,152 |
| Bid & Award | | | | 93 | | | | 93 | | 93 |
| Construction | | | | 12,367 | 387 | | | 12,754 | | 12,754 |
| Post Construction | | | | | | 62 | | 62 | | 62 |
| Total | 769 | 311 | 4,128 | 12,460 | 449 | | | 17,037 | | 18,117 |

| Funding Source Schedule (000s) | | | | | | | | | | |
|---|------------|------------|--------------|---------------|------------|--|--|---------------|--|---------------|
| San José-Santa Clara Treatment Plant Capital Fund (512) | 769 | 311 | 4,128 | 12,460 | 449 | | | 17,037 | | 18,117 |
| Total | 769 | 311 | 4,128 | 12,460 | 449 | | | 17,037 | | 18,117 |

| Annual Operating Budget Impact (000s) | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|
| Total | | | | | | | | | | |

Water Pollution Control
2024-2028 Adopted Capital Improvement Program
Detail of One-Time Projects

Flood Protection

| | | | |
|--------------------------|------------------------------------|-------------------------------|---------------|
| CSA | Environmental and Utility Services | Initial Start Date | 3rd Qtr. 2017 |
| CSA Outcome | Reliable Utility Infrastructure | Initial End Date | 2nd Qtr. 2021 |
| Location | Water Pollution Control Plant | Revised Start Date | |
| Dept Owner | Environmental Services | Revised End Date | 4th Qtr. 2025 |
| Council Districts | 4 | Initial Project Budget | \$9,136,000 |
| Appropriation | A402M | FY Initiated | 2017-2018 |

Description This project provides 100-year flood protection for the Plant by constructing engineered earthen berms on the northern and eastern sides of the Plant.

Justification The Plant is a critical facility located within a Federal Emergency Management Agency (FEMA) defined flood zone and will experience significant flooding during a 100-year flood event. Until the South Bay Shoreline Project is completed by the US Army Corps of Engineers, the Plant remains at risk of flooding. This project will provide immediate protection from a 100-year flood event.

Notes

Major Cost Changes 2020-2024 CIP - Increase of \$2.3 million due to an updated construction cost estimate.
2021-2025 CIP - Decrease of \$9.7 million due to additional flood risk analysis indicating a need to adjust the scope of the project.
2022-2026 CIP - Increase of \$4.1 million due to updated scope and construction cost estimate.
2023-2027 CIP - Increase of \$4.5 million due to revised cost estimate.
2024-2028 CIP – Increase of \$5.0 million due to an updated cost estimate.

| | PRIOR YEARS | FY23 EST | FY24 | FY25 | FY26 | FY27 | FY28 | 5 YEAR TOTAL | BEYOND 5 YEARS | PROJECT TOTAL |
|------------------------------------|----------------|-------------|--------------|--------------|------------|------|------|-----------------|-------------------|------------------|
| Expenditure Schedule (000s) | | | | | | | | | | |
| Project Feasibility Development | 688 | 27 | 3,589 | | | | | 3,589 | | 4,304 |
| Design | | 874 | 2,021 | | | | | 2,021 | | 2,895 |
| Bid & Award | | 74 | 74 | 76 | | | | 150 | | 224 |
| Construction | | | | 7,605 | | | | 7,605 | | 7,605 |
| Post Construction | | | | 50 | 269 | | | 319 | | 319 |
| Total | 688 | 975 | 5,684 | 7,731 | 269 | | | 13,684 | | 15,347 |

| Funding Source Schedule (000s) | | | | | | | | | | |
|---|------------|------------|--------------|--------------|------------|--|--|---------------|--|---------------|
| San José-Santa Clara Treatment Plant Capital Fund (512) | 688 | 975 | 5,684 | 7,731 | 269 | | | 13,684 | | 15,347 |
| Total | 688 | 975 | 5,684 | 7,731 | 269 | | | 13,684 | | 15,347 |

| Annual Operating Budget Impact (000s) | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|
| Total | | | | | | | | | | |

Water Pollution Control
2024-2028 Adopted Capital Improvement Program
Detail of One-Time Projects

Nitrification Clarifier Rehabilitation

| | | | |
|--------------------------|------------------------------------|-------------------------------|---------------|
| CSA | Environmental and Utility Services | Initial Start Date | 3rd Qtr. 2009 |
| CSA Outcome | Reliable Utility Infrastructure | Initial End Date | 2nd Qtr. 2024 |
| Location | Water Pollution Control Plant | Revised Start Date | |
| Dept Owner | Environmental Services | Revised End Date | 2nd Qtr. 2028 |
| Council Districts | 4 | Initial Project Budget | \$26,701,000 |
| Appropriation | A7074 | FY Initiated | 2009-2010 |

Description This project includes phased rehabilitation of the 16 nitrification clarifiers. Structural improvements may include concrete repairs and coating, new clarifier mechanisms and baffle installations, pipe support and meter vault replacements, and walkway improvements. Mechanical improvements may include piping, valve and actuator replacements, spray water system replacements, scum skimmer system upgrades, and return activated sludge piping lining. Electrical and instrumentation improvements may include motor control center replacements, new wiring, and other electrical equipment upgrades. Other incidental work may include grouting, painting, coating, and other surface treatments.

Justification The Plant's 16 nitrification clarifiers have been in service for 30 to 40 years depending on the year of construction. A condition assessment study, completed in 2011, recommended phased rehabilitation of the nitrification clarifiers. The improvements are needed to address structural, mechanical, electrical, and instrumentation deficiencies and will extend the useful life of the clarifier assets for an additional 30 years.

Notes This project corresponds to Plant Master Plan Project No. 21 and Validation Project PLS-02. This project is planned to be completed in multiple phases.

Major Cost Changes 2014-2018 CIP - Increase of \$13.0 million due to revised estimate.
 2015-2019 CIP - Increase of \$22.0 million due to revised project validation cost estimate.
 2016-2020 CIP - Decrease of \$8.5 million due to revised scope and cost estimate.
 2017-2021 CIP - Decrease of \$1.6 million due to revised cost estimate.
 2020-2024 CIP - Increase of \$46.4 million due to an increase in the amount of rehabilitation required and updated construction cost estimate.
 2022-2026 CIP - Decrease of \$10.6 million due to revised scope and cost estimate.
 2023-2027 CIP - Decrease of \$9.7 million due to lower than projected construction costs.

| | PRIOR YEARS | FY23 EST | FY24 | FY25 | FY26 | FY27 | FY28 | 5 YEAR TOTAL | BEYOND 5 YEARS | PROJECT TOTAL |
|------------------------------------|----------------|---------------|--------------|---------------|--------------|--------------|------------|-----------------|-------------------|------------------|
| Expenditure Schedule (000s) | | | | | | | | | | |
| Project Feasibility Development | 3,832 | | | | | | | | | 3,832 |
| Design | 2,276 | 488 | 1,207 | 137 | | | | 1,344 | | 4,108 |
| Bid & Award | 228 | | 50 | 280 | | | | 330 | | 558 |
| Construction | 26,353 | 18,936 | 786 | 21,963 | 1,183 | 1,217 | 600 | 25,749 | | 71,038 |
| Post Construction | | 250 | 215 | 150 | | | 190 | 555 | | 805 |
| Total | 32,689 | 19,675 | 2,258 | 22,530 | 1,183 | 1,217 | 790 | 27,978 | | 80,341 |

| Funding Source Schedule (000s) | | | | | | | | | | |
|---|---------------|---------------|--------------|---------------|--------------|--------------|------------|---------------|--|---------------|
| San José-Santa Clara Treatment Plant Capital Fund (512) | 32,689 | 19,675 | 2,258 | 22,530 | 1,183 | 1,217 | 790 | 27,978 | | 80,341 |
| Total | 32,689 | 19,675 | 2,258 | 22,530 | 1,183 | 1,217 | 790 | 27,978 | | 80,341 |

| Annual Operating Budget Impact (000s) | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|
| Total | | | | | | | | | | |

**Water Pollution Control
2024-2028 Adopted Capital Improvement Program
Detail of One-Time Projects**

Outfall Channel and Instrumentation Improvements

| | | | |
|--------------------------|------------------------------------|-------------------------------|---------------|
| CSA | Environmental and Utility Services | Initial Start Date | 3rd Qtr. 2014 |
| CSA Outcome | Reliable Utility Infrastructure | Initial End Date | 2nd Qtr. 2019 |
| Location | Water Pollution Control Plant | Revised Start Date | |
| Dept Owner | Environmental Services | Revised End Date | 4th Qtr. 2023 |
| Council Districts | 4 | Initial Project Budget | \$8,120,000 |
| Appropriation | A7678 | FY Initiated | 2014-2015 |

Description This project will repair erosion scour along the outfall channel weir structure, replace the weir board system, replace an electrical transformer, improve staff access around the sulfur dioxide building, install a new fiber optic system, and replace water quality instrumentation and flow meters.

Justification Discharging effluent has resulted in significant erosion of the outfall channel bed material adjacent to the weir structure, requiring replacement of the rock rip rap materials originally installed to protect the structure. In addition, several original materials, water quality instrumentation, and communications system used to ensure reliable outfall compliance have reached the end of their service life and need replacement.

Notes This project corresponds to Validation Project PLD-02.

Major Cost Changes 2016-2020 CIP - Increase of \$1.7 million due to escalation of construction costs.
2018-2022 CIP - Decrease of \$776,000 due to reduction of project scope.
2019-2023 CIP - Decrease of \$764,000 due to revised cost estimates.
2022-2026 CIP - Increase of \$1.5 million due to revised scope and cost estimate.

| | PRIOR YEARS | FY23 EST | FY24 | FY25 | FY26 | FY27 | FY28 | 5 YEAR TOTAL | BEYOND 5 YEARS | PROJECT TOTAL |
|------------------------------------|----------------|--------------|------------|------|------|------|------|-----------------|-------------------|------------------|
| Expenditure Schedule (000s) | | | | | | | | | | |
| Project Feasibility Development | 977 | 0 | | | | | | | | 977 |
| Design | 1,226 | | | | | | | | | 1,226 |
| Bid & Award | 143 | | | | | | | | | 143 |
| Construction | 1,551 | 5,818 | 856 | | | | | 856 | | 8,225 |
| Post Construction | | | 121 | | | | | 121 | | 121 |
| Total | 3,896 | 5,818 | 977 | | | | | 977 | | 10,691 |

| Funding Source Schedule (000s) | | | | | | | | | | |
|---|--------------|--------------|------------|--|--|--|--|------------|--|---------------|
| San José-Santa Clara Treatment Plant Capital Fund (512) | 3,896 | 5,818 | 977 | | | | | 977 | | 10,691 |
| Total | 3,896 | 5,818 | 977 | | | | | 977 | | 10,691 |

| Annual Operating Budget Impact (000s) | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|
| Total | | | | | | | | | | |

Water Pollution Control
2024-2028 Adopted Capital Improvement Program
Detail of One-Time Projects

Owner Controlled Insurance Program

| | | | |
|--------------------------|------------------------------------|-------------------------------|---------------|
| CSA | Environmental and Utility Services | Initial Start Date | 2nd Qtr. 2017 |
| CSA Outcome | Reliable Utility Infrastructure | Initial End Date | 2nd Qtr. 2023 |
| Location | Water Pollution Control Plant | Revised Start Date | |
| Dept Owner | Environmental Services | Revised End Date | 2nd Qtr. 2025 |
| Council Districts | N/A | Initial Project Budget | \$16,085,000 |
| Appropriation | A401B | FY Initiated | 2017-2018 |

Description This allocation provides funding for a centrally managed insurance and risk control program for construction projects in the Water Pollution Control CIP.

Justification This allocation is required to centrally manage insurance and risk control programs for construction projects in this capital program.

Notes

Major Cost Changes 2019-2023 CIP - Increase of \$4.9 million due to revised insurance cost estimates.
 2022-2026 CIP - Decrease of \$2.3 million due to revised insurance cost estimates.

| | PRIOR YEARS | FY23 EST | FY24 | FY25 | FY26 | FY27 | FY28 | 5 YEAR TOTAL | BEYOND 5 YEARS | PROJECT TOTAL |
|------------------------------------|------------------------|---------------------|--------------|-------------|-------------|-------------|-------------|-------------------------|---------------------------|--------------------------|
| Expenditure Schedule (000s) | | | | | | | | | | |
| General Administration | 7,466 | 2,250 | 2,613 | 764 | | | | 3,377 | | 13,093 |
| Construction | 4,701 | | | | | | | | | 4,701 |
| Total | 12,167 | 2,250 | 2,613 | 764 | | | | 3,377 | | 17,794 |

| Funding Source Schedule (000s) | | | | | | | | | | |
|---|---------------|--------------|--------------|------------|--|--|--|--------------|--|---------------|
| San José-Santa Clara Treatment Plant Capital Fund (512) | 12,167 | 2,250 | 2,613 | 764 | | | | 3,377 | | 17,794 |
| Total | 12,167 | 2,250 | 2,613 | 764 | | | | 3,377 | | 17,794 |

| Annual Operating Budget Impact (000s) | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|
| Total | | | | | | | | | | |

Water Pollution Control
2024-2028 Adopted Capital Improvement Program
Detail of One-Time Projects

Plantwide Security Systems Upgrade

| | | | |
|--------------------------|------------------------------------|-------------------------------|---------------|
| CSA | Environmental and Utility Services | Initial Start Date | 3rd Qtr. 2021 |
| CSA Outcome | Reliable Utility Infrastructure | Initial End Date | 2nd Qtr. 2022 |
| Location | Water Pollution Control Plant | Revised Start Date | |
| Dept Owner | Environmental Services | Revised End Date | 4th Qtr. 2025 |
| Council Districts | 4 | Initial Project Budget | \$6,740,000 |
| Appropriation | A426E | FY Initiated | 2021-2022 |

Description This project will upgrade three critical security components at the Plant: 1. Construct a new main guard shack with monitoring, lighting, traffic circulation, and pavement improvements; 2. Install closed-circuit television cameras throughout the Plant and upgrade software, hardware, and equipment in the main server room; and 3. Install access card readers throughout the Plant and install new proximity card badging stations.

Justification The existing guard shack is antiquated and undersized. Existing entrance and exit lanes are inadequate for larger delivery trucks, which impedes traffic flow and causes delays. Installing wired and wireless cameras, along with an upgraded server room and new monitoring station will enhance security throughout the Plant, which is needed due to increased operational and construction activity. Installing access card readers will provide and improve security by replacing a mix of entry systems (e.g., cyberkey, traditional locks, card readers) with a single system.

Notes

Major Cost Changes 2023-2027 CIP - Increase of \$7.2 million due to revised scope and cost estimate.
2024-2028 CIP – Increase of \$9.9 million due to revised scope and cost estimate.

| | PRIOR YEARS | FY23 EST | FY24 | FY25 | FY26 | FY27 | FY28 | 5 YEAR TOTAL | BEYOND 5 YEARS | PROJECT TOTAL |
|------------------------------------|----------------|--------------|---------------|--------------|------------|------|------|-----------------|-------------------|------------------|
| Expenditure Schedule (000s) | | | | | | | | | | |
| Project Feasibility Development | 399 | 687 | 76 | | | | | 76 | | 1,162 |
| Design | 3 | 1,107 | 1,174 | | | | | 1,174 | | 2,284 |
| Bid & Award | | | 323 | | | | | 323 | | 323 |
| Construction | 0 | 175 | 13,249 | 6,478 | | | | 19,727 | | 19,902 |
| Post Construction | | | | 24 | 124 | | | 148 | | 148 |
| Total | 402 | 1,969 | 14,822 | 6,502 | 124 | | | 21,448 | | 23,819 |

| Funding Source Schedule (000s) | | | | | | | | | | |
|---|------------|--------------|---------------|--------------|------------|--|--|---------------|--|---------------|
| San José-Santa Clara Treatment Plant Capital Fund (512) | 402 | 1,969 | 14,822 | 6,502 | 124 | | | 21,448 | | 23,819 |
| Total | 402 | 1,969 | 14,822 | 6,502 | 124 | | | 21,448 | | 23,819 |

| Annual Operating Budget Impact (000s) | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|
| Total | | | | | | | | | | |

Water Pollution Control
2024-2028 Adopted Capital Improvement Program
Detail of One-Time Projects

Storm Drain System Improvements

| | | | |
|--------------------------|------------------------------------|-------------------------------|---------------|
| CSA | Environmental and Utility Services | Initial Start Date | 3rd Qtr. 2017 |
| CSA Outcome | Reliable Utility Infrastructure | Initial End Date | 2nd Qtr. 2021 |
| Location | Water Pollution Control Plant | Revised Start Date | 4th Qtr. 2017 |
| Dept Owner | Environmental Services | Revised End Date | 1st Qtr. 2024 |
| Council Districts | 4 | Initial Project Budget | \$10,195,000 |
| Appropriation | A404V | FY Initiated | 2017-2018 |

Description This project upgrades the existing Plant stormwater drainage system to meet current City standards. The project includes modifying existing drainage facilities and constructing new storm system facilities to meet the City's 10-year design standard. This project may also include improvements to the existing combined sanitary sewer system.

Justification The Plant's stormwater drainage facilities do not meet the City's 10-year storm event standard. Upgrades to the existing systems are needed to prevent stormwater flooding in and around the Plant's operational area.

Notes

Major Cost Changes 2019-2023 CIP - Increase of \$3.7 million due to an escalation of construction costs.
2020-2024 CIP - Increase of \$1.2 million due to revised condition assessment and construction management estimates.
2022-2026 CIP - Decrease of \$1.7 million due to revised scope and cost estimate.

| | PRIOR YEARS | FY23 EST | FY24 | FY25 | FY26 | FY27 | FY28 | 5 YEAR TOTAL | BEYOND 5 YEARS | PROJECT TOTAL |
|------------------------------------|------------------------|---------------------|--------------|-------------|-------------|-------------|-------------|-------------------------|---------------------------|--------------------------|
| Expenditure Schedule (000s) | | | | | | | | | | |
| Project Feasibility Development | 1,616 | | | | | | | | | 1,616 |
| Design | 719 | 137 | | | | | | | | 856 |
| Bid & Award | 138 | | | | | | | | | 138 |
| Construction | 235 | 9,384 | 1,721 | | | | | 1,721 | | 11,340 |
| Post Construction | 15 | 34 | 297 | | | | | 297 | | 346 |
| Total | 2,724 | 9,555 | 2,018 | | | | | 2,018 | | 14,297 |

| Funding Source Schedule (000s) | | | | | | | | | | |
|---|--------------|--------------|--------------|--|--|--|--|--------------|--|---------------|
| San José-Santa Clara Treatment Plant Capital Fund (512) | 2,724 | 9,555 | 2,018 | | | | | 2,018 | | 14,297 |
| Total | 2,724 | 9,555 | 2,018 | | | | | 2,018 | | 14,297 |

| Annual Operating Budget Impact (000s) | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|
| Total | | | | | | | | | | |

Water Pollution Control
2024-2028 Adopted Capital Improvement Program
Detail of One-Time Projects

Support Building Improvements

| | | | |
|--------------------------|------------------------------------|-------------------------------|---------------|
| CSA | Environmental and Utility Services | Initial Start Date | 1st Qtr. 2015 |
| CSA Outcome | Reliable Utility Infrastructure | Initial End Date | 3rd Qtr. 2023 |
| Location | Water Pollution Control Plant | Revised Start Date | 2nd Qtr. 2015 |
| Dept Owner | Environmental Services | Revised End Date | 2nd Qtr. 2036 |
| Council Districts | 4 | Initial Project Budget | \$55,590,000 |
| Appropriation | A7681 | FY Initiated | 2014-2015 |

Description This project constructs various tenant improvements to the administration, operations, engineering, and other support buildings located throughout the Plant. It may include floor, ceiling, wall, partition, plumbing, heating, ventilation and air conditioning upgrades, fire protection, and security improvements, as well as ancillary landscaping improvements. It also constructs new warehousing facilities and an electronic warehouse management system which may include new computers, a central database, barcode scanners, mobile tablets, and other technology improvements. This project will be constructed in phases based on a detailed tenant improvement study, warehouse design study, and priority of needs.

Justification Most of the buildings at the Plant are between 30 and 50 years old and are in need of refurbishment to improve worker health, safety, and environment. The tenant improvements are also needed to bring the buildings into compliance with current building and safety codes. The new warehousing facility and warehouse management system will improve operational efficiency through better control of the movement and storage of materials, including shipping, receiving, material stocking, use, and distribution.

Notes This project corresponds to Plant Master Plan Project Nos. 94, 95, 96, 98, 106, and 107 and Validation Project PF-02.

Major Cost Changes 2016-2020 CIP - Decrease of \$856,000 due to revised cost estimate.
 2018-2022 CIP - Increase of \$2.2 million due to revised project delivery cost estimate.

| | PRIOR YEARS | FY23 EST | FY24 | FY25 | FY26 | FY27 | FY28 | 5 YEAR TOTAL | BEYOND 5 YEARS | PROJECT TOTAL |
|------------------------------------|----------------|--------------|---------------|------------|------------|------------|--------------|-----------------|-------------------|------------------|
| Expenditure Schedule (000s) | | | | | | | | | | |
| General Administration | 0 | | | | | | | | | 0 |
| Project Feasibility Development | 2,079 | | | | 667 | 686 | 495 | 1,848 | | 3,927 |
| Design | 4,117 | 135 | 1 | | | | 2,669 | 2,670 | 1,524 | 8,446 |
| Bid & Award | 157 | 297 | 164 | | | | | 164 | 493 | 1,111 |
| Construction | 72 | 4,494 | 19,009 | 377 | | | | 19,386 | 17,071 | 41,023 |
| Post Construction | | 80 | 95 | 204 | | | | 299 | 1,141 | 1,520 |
| Equipment, Materials and Supplies | 346 | | | | | | | | | 346 |
| Total | 6,771 | 5,006 | 19,269 | 581 | 667 | 686 | 3,164 | 24,367 | 20,229 | 56,373 |

| Funding Source Schedule (000s) | | | | | | | | | | |
|---|--------------|--------------|---------------|------------|------------|------------|--------------|---------------|---------------|---------------|
| San José-Santa Clara Treatment Plant Capital Fund (512) | 6,771 | 5,006 | 19,269 | 581 | 667 | 686 | 3,164 | 24,367 | 20,229 | 56,373 |
| Total | 6,771 | 5,006 | 19,269 | 581 | 667 | 686 | 3,164 | 24,367 | 20,229 | 56,373 |

| Annual Operating Budget Impact (000s) | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|
| Total | | | | | | | | | | |

**Water Pollution Control
2024-2028 Adopted Capital Improvement Program
Detail of One-Time Projects**

Various Infrastructure Decommissioning

| | | | |
|--------------------------|------------------------------------|-------------------------------|---------------|
| CSA | Environmental and Utility Services | Initial Start Date | 3rd Qtr. 2018 |
| CSA Outcome | Reliable Utility Infrastructure | Initial End Date | 2nd Qtr. 2022 |
| Location | Water Pollution Control Plant | Revised Start Date | 2nd Qtr. 2022 |
| Dept Owner | Environmental Services | Revised End Date | 3rd Qtr. 2026 |
| Council Districts | 4 | Initial Project Budget | \$22,220,000 |
| Appropriation | A410S | FY Initiated | 2018-2019 |

Description This project will decommission and remove equipment, structures, and piping located in Building 40, Pump and Engine Building, Sludge Control Building, digester campus, and tunnels.

Justification The decommissioning and removal of obsolete and abandoned equipment, structures, and piping will free up valuable space for future equipment or systems and improves operational and maintenance efficiencies of existing systems. The majority of the infrastructure and equipment at the Plant is more than 60 years old. It is best practice to remove obsolete facilities and equipment to avoid ongoing maintenance, comply with permit requirements, and to free up space for new equipment.

Notes

Major Cost Changes

| | PRIOR YEARS | FY23 EST | FY24 | FY25 | FY26 | FY27 | FY28 | 5 YEAR TOTAL | BEYOND 5 YEARS | PROJECT TOTAL |
|------------------------------------|----------------|-------------|------------|--------------|---------------|------------|------|-----------------|-------------------|------------------|
| Expenditure Schedule (000s) | | | | | | | | | | |
| Project Feasibility Development | 9 | 24 | 435 | | | | | 435 | | 468 |
| Design | | | | 2,560 | | | | 2,560 | | 2,560 |
| Bid & Award | | | | 30 | | | | 30 | | 30 |
| Construction | | | | | 18,470 | 628 | | 19,098 | | 19,098 |
| Post Construction | | | | | | 63 | | 63 | | 63 |
| Total | 9 | 24 | 435 | 2,590 | 18,470 | 691 | | 22,186 | | 22,219 |

| Funding Source Schedule (000s) | | | | | | | | | | |
|---|----------|-----------|------------|--------------|---------------|------------|--|---------------|--|---------------|
| San José-Santa Clara Treatment Plant Capital Fund (512) | 9 | 24 | 435 | 2,590 | 18,470 | 691 | | 22,186 | | 22,219 |
| Total | 9 | 24 | 435 | 2,590 | 18,470 | 691 | | 22,186 | | 22,219 |

| Annual Operating Budget Impact (000s) | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|
| Total | | | | | | | | | | |

Water Pollution Control
2024-2028 Adopted Capital Improvement Program
Detail of One-Time Projects

Yard Piping and Road Improvements

| | | | |
|--------------------------|------------------------------------|-------------------------------|---------------|
| CSA | Environmental and Utility Services | Initial Start Date | 3rd Qtr. 2011 |
| CSA Outcome | Reliable Utility Infrastructure | Initial End Date | 4th Qtr. 2026 |
| Location | Water Pollution Control Plant | Revised Start Date | |
| Dept Owner | Environmental Services | Revised End Date | 2nd Qtr. 2028 |
| Council Districts | 4 | Initial Project Budget | N/A |
| Appropriation | A7396 | FY Initiated | 2011-2012 |

Description This project rehabilitates and/or replaces process piping systems, valves, and related appurtenances throughout the Plant. The work will be completed in phases based on the outcome of a detailed condition assessment, physical testing, and prioritization of needs. This project will make roadway and drainage-related improvements throughout the Plant's main operations and residual management areas. This project will also address flood risks for identified junction structures, screening structures, and pump stations.

Justification The Plant has approximately 300,000 linear feet of piping along with associated valves and related appurtenances. The pipes range in diameter from 8 inches to 144 inches and carry gas, liquids, sludge, air, steam, and other process streams to and from the various treatment areas. The pipes vary in age, material, condition, reliability, and redundancy. Over 70 percent of the piping was installed more than 25 years ago and is in need of rehabilitation or replacement due to age, failure, and/or excessive maintenance. The Plant also has an extensive roadway network, nearly 40,000 linear feet of paved surfaces, that needs rehabilitation and/or replacement due to excessive wear, heavy vehicle traffic, and drainage issues.

Notes This project corresponds to Plant Master Plan Project Nos. 98 and 100 and Validation Project PF-04. Prior to 2018-2022, this project was ongoing in nature; it has since become a finite project.

Major Cost Changes 2019-2023 CIP - Decrease of \$14.3 million due to a decrease in project scope and a 78" SES pipe that will be replaced in the Digester and Thickener Facilities Upgrade project.
 2022-2026 CIP - Decrease of \$11.8 million due to a decrease in project scope and construction cost estimates.
 2023-2027 CIP - Decrease of \$39.8 million due to reduction in project scope based on updated condition assessment information that determined that certain pipe segments were in better than expected condition, so anticipated repairs weren't needed.

| | PRIOR YEARS | FY23 EST | FY24 | FY25 | FY26 | FY27 | FY28 | 5 YEAR TOTAL | BEYOND 5 YEARS | PROJECT TOTAL |
|------------------------------------|----------------|---------------|--------------|---------------|--------------|---------------|------------|-----------------|-------------------|------------------|
| Expenditure Schedule (000s) | | | | | | | | | | |
| Project Feasibility Development | 5,673 | 2,916 | 1,178 | 735 | | | | 1,913 | | 10,501 |
| Design | 1,815 | 2,041 | 1,228 | 122 | 1,106 | | | 2,456 | | 6,312 |
| Bid & Award | 512 | 311 | 30 | 171 | 92 | 120 | | 413 | | 1,236 |
| Construction | 10,011 | 18,229 | 1,941 | 11,579 | 690 | 10,788 | 413 | 25,411 | | 53,651 |
| Post Construction | 158 | 2 | | 71 | 64 | 30 | 62 | 227 | | 387 |
| Total | 18,169 | 23,498 | 4,377 | 12,678 | 1,952 | 10,938 | 475 | 30,420 | | 72,087 |

| Funding Source Schedule (000s) | | | | | | | | | | |
|---|---------------|---------------|--------------|---------------|--------------|---------------|------------|---------------|--|---------------|
| San José-Santa Clara Treatment Plant Capital Fund (512) | 18,169 | 23,498 | 4,377 | 12,678 | 1,952 | 10,938 | 475 | 30,420 | | 72,087 |
| Total | 18,169 | 23,498 | 4,377 | 12,678 | 1,952 | 10,938 | 475 | 30,420 | | 72,087 |

| Annual Operating Budget Impact (000s) | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|
| Total | | | | | | | | | | |

Water Pollution Control
2024-2028 Adopted Capital Improvement Program
Detail of Ongoing Projects

Debt Service Repayment for Plant Capital Improvement Projects

| | | | |
|-------------------------|---------------------------------|--------------------------|-------|
| CSA Outcome | Reliable Utility Infrastructure | Council Districts | N/A |
| Department Owner | Environmental Services | Appropriation | A402C |

Description This allocation provides for the repayment of financing proceeds, including short-term wastewater revenue notes, drawn for the Plant Capital Improvement Projects.

| | FY23 Budget | FY23 EST | FY24 | FY25 | FY26 | FY27 | FY28 | 5 Year Total |
|------------------------------------|----------------|----------------|------|--------------|--------------|--------------|--------------|-----------------|
| Expenditure Schedule (000s) | | | | | | | | |
| General Administration | 315,338 | 315,338 | | 2,115 | 4,354 | 6,245 | 6,246 | 18,960 |
| Total | 315,338 | 315,338 | | 2,115 | 4,354 | 6,245 | 6,246 | 18,960 |

| | FY23 Budget | FY23 EST | FY24 | FY25 | FY26 | FY27 | FY28 | 5 Year Total |
|---|----------------|----------------|------|--------------|--------------|--------------|--------------|-----------------|
| Funding Source Schedule (000s) | | | | | | | | |
| San José-Santa Clara Treatment Plant Capital Fund (512) | 315,338 | 315,338 | | 2,115 | 4,354 | 6,245 | 6,246 | 18,960 |
| Total | 315,338 | 315,338 | | 2,115 | 4,354 | 6,245 | 6,246 | 18,960 |

Water Pollution Control
2024-2028 Adopted Capital Improvement Program
Detail of Ongoing Projects

Hydraulic Capacity Engineering

| | | | |
|-------------------------|---|--------------------------|-------|
| CSA Outcome | Safe, Reliable, and Sufficient Water Supply; Reliable Utility Infrastructure | Council Districts | 4 |
| Department Owner | Environmental Services | Appropriation | A411B |

Description This allocation funds the expansion of the South Bay Water Recycling (SBWR) system through the construction of pipeline and ancillary distribution system projects. Use of these funds will be dedicated towards the design, engineering, and inspection for the connection of new developments to the recycled water utility system. SBWR's hydraulic capacity engineering is limited to extensions that are justified by projected water revenues, grant funding, or funds from developers or other government agencies (e.g. Valley Water). No revenue from Plant Tributary Agencies or City Sanitary Sewer rate payers will be used to fund this project.

| | FY23 Budget | FY23 EST | FY24 | FY25 | FY26 | FY27 | FY28 | 5 Year Total |
|------------------------------------|----------------|-------------|-----------|-----------|-----------|-----------|-----------|-----------------|
| Expenditure Schedule (000s) | | | | | | | | |
| Construction | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 125 |
| Total | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 125 |

| Funding Source Schedule (000s) | | | | | | | | |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|
| South Bay Water Recycling Capital Fund (571) | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 125 |
| Total | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 125 |

Water Pollution Control
2024-2028 Adopted Capital Improvement Program
Detail of Ongoing Projects

Plant Infrastructure Improvements

| | | | |
|-------------------------|---------------------------------|--------------------------|-------|
| CSA Outcome | Reliable Utility Infrastructure | Council Districts | 4 |
| Department Owner | Environmental Services | Appropriation | A5690 |

Description This allocation provides for improvements, rehabilitation, or replacement of existing Plant infrastructure. Examples of the ongoing replacement and rehabilitation work include handrail replacement, concrete repairs, telecommunication systems upgrade, and Plant support system improvements.

| | FY23 Budget | FY23 EST | FY24 | FY25 | FY26 | FY27 | FY28 | 5 Year Total |
|------------------------------------|----------------|--------------|--------------|--------------|--------------|--------------|--------------|-----------------|
| Expenditure Schedule (000s) | | | | | | | | |
| Design | | 559 | | | | | | |
| Construction | 5,785 | 1,262 | 6,003 | 2,056 | 1,000 | 1,000 | 1,000 | 11,059 |
| Total | 5,785 | 1,821 | 6,003 | 2,056 | 1,000 | 1,000 | 1,000 | 11,059 |

| Funding Source Schedule (000s) | | | | | | | | |
|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|
| San José-Santa Clara Treatment Plant Capital Fund (512) | 5,785 | 1,821 | 6,003 | 2,056 | 1,000 | 1,000 | 1,000 | 11,059 |
| Total | 5,785 | 1,821 | 6,003 | 2,056 | 1,000 | 1,000 | 1,000 | 11,059 |

Water Pollution Control
2024-2028 Adopted Capital Improvement Program
Detail of Ongoing Projects

Preliminary Engineering - Water Pollution Control

| | | | |
|-------------------------|---------------------------------|--------------------------|-------|
| CSA Outcome | Reliable Utility Infrastructure | Council Districts | 4 |
| Department Owner | Environmental Services | Appropriation | A7456 |

Description This allocation provides funding to support preliminary engineering for Plant-related projects, including studies, pilots, and field verifications to evaluate impacts on operations.

| | FY23 Budget | FY23 EST | FY24 | FY25 | FY26 | FY27 | FY28 | 5 Year Total |
|------------------------------------|----------------|--------------|--------------|--------------|--------------|--------------|--------------|-----------------|
| Expenditure Schedule (000s) | | | | | | | | |
| Project Feasibility Development | 4,505 | 4,505 | 2,000 | 1,000 | 1,000 | 1,000 | 1,000 | 6,000 |
| Total | 4,505 | 4,505 | 2,000 | 1,000 | 1,000 | 1,000 | 1,000 | 6,000 |

| Funding Source Schedule (000s) | | | | | | | | |
|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| San José-Santa Clara Treatment Plant Capital Fund (512) | 4,505 | 4,505 | 2,000 | 1,000 | 1,000 | 1,000 | 1,000 | 6,000 |
| Total | 4,505 | 4,505 | 2,000 | 1,000 | 1,000 | 1,000 | 1,000 | 6,000 |

Water Pollution Control
2024-2028 Adopted Capital Improvement Program
Detail of Ongoing Projects

Program Management - Water Pollution Control

| | | | |
|-------------------------|---|--------------------------|-------|
| CSA Outcome | Reliable Utility Infrastructure | Council Districts | 4 |
| Department Owner | Environmental Services | Appropriation | A7481 |
| Description | This allocation funds the administration and management of the Water Pollution Control CIP. | | |

| | FY23 Budget | FY23 EST | FY24 | FY25 | FY26 | FY27 | FY28 | 5 Year Total |
|------------------------------------|----------------|---------------|---------------|---------------|---------------|--------------|--------------|-----------------|
| Expenditure Schedule (000s) | | | | | | | | |
| General Administration | 15,156 | 14,371 | 10,845 | 10,311 | 10,253 | 6,801 | 6,289 | 44,499 |
| Total | 15,156 | 14,371 | 10,845 | 10,311 | 10,253 | 6,801 | 6,289 | 44,499 |

| Funding Source Schedule (000s) | | | | | | | | |
|---|---------------|---------------|---------------|---------------|---------------|--------------|--------------|---------------|
| San José-Santa Clara Treatment Plant Capital Fund (512) | 15,156 | 14,371 | 10,845 | 10,311 | 10,253 | 6,801 | 6,289 | 44,499 |
| Total | 15,156 | 14,371 | 10,845 | 10,311 | 10,253 | 6,801 | 6,289 | 44,499 |

Water Pollution Control
2024-2028 Adopted Capital Improvement Program
Detail of Ongoing Projects

RWF Bond Debt Service 2022A

| | | | |
|-------------------------|---------------------------------|--------------------------|-------|
| CSA Outcome | Reliable Utility Infrastructure | Council Districts | N/A |
| Department Owner | Environmental Services | Appropriation | A434P |

Description This allocation provides for the repayment of the revenue bonds issued in December 2022 for the San José-Santa Clara Treatment Plant Capital Fund.

| | FY23 Budget | FY23 EST | FY24 | FY25 | FY26 | FY27 | FY28 | 5 Year Total |
|------------------------------------|----------------|-------------|---------------|---------------|---------------|---------------|---------------|-----------------|
| Expenditure Schedule (000s) | | | | | | | | |
| General Administration | | | 17,577 | 17,600 | 17,600 | 17,600 | 17,600 | 87,977 |
| Total | | | 17,577 | 17,600 | 17,600 | 17,600 | 17,600 | 87,977 |

| Funding Source Schedule (000s) | | | | | | | | |
|---|--|--|---------------|---------------|---------------|---------------|---------------|---------------|
| San José-Santa Clara Treatment Plant Capital Fund (512) | | | 17,577 | 17,600 | 17,600 | 17,600 | 17,600 | 87,977 |
| Total | | | 17,577 | 17,600 | 17,600 | 17,600 | 17,600 | 87,977 |

Water Pollution Control
2024-2028 Adopted Capital Improvement Program
Detail of Ongoing Projects

Urgent and Unscheduled Treatment Plant Rehabilitation

| | | | |
|-------------------------|---------------------------------|--------------------------|-------|
| CSA Outcome | Reliable Utility Infrastructure | Council Districts | 4 |
| Department Owner | Environmental Services | Appropriation | A7395 |

Description This ongoing allocation is used to investigate, prioritize, and rehabilitate structures and systems at the Water Pollution Control Plant. This funding will be used to respond to the Plant's urgent maintenance and rehabilitation needs that cannot be programmed during the annual CIP budget process.

| | FY23 Budget | FY23 EST | FY24 | FY25 | FY26 | FY27 | FY28 | 5 Year Total |
|------------------------------------|----------------|--------------|--------------|--------------|--------------|--------------|--------------|-----------------|
| Expenditure Schedule (000s) | | | | | | | | |
| Construction | 1,500 | 1,500 | 1,500 | 1,500 | 1,500 | 1,500 | 1,500 | 7,500 |
| Total | 1,500 | 1,500 | 1,500 | 1,500 | 1,500 | 1,500 | 1,500 | 7,500 |

| Funding Source Schedule (000s) | | | | | | | | |
|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| San José-Santa Clara Treatment Plant Capital Fund (512) | 1,500 | 1,500 | 1,500 | 1,500 | 1,500 | 1,500 | 1,500 | 7,500 |
| Total | 1,500 | 1,500 | 1,500 | 1,500 | 1,500 | 1,500 | 1,500 | 7,500 |

Water Pollution Control

2024-2028 Adopted Capital Improvement Program

Summary of Projects that Start After 2023-2024

| | | | |
|--------------------------|---|---------------------------|---------------|
| Project Name | FOG Receiving | Initial Start Date | 1st Qtr. 2023 |
| 5-Yr CIP Budget | \$ 313,000 | Initial End Date | 3rd Qtr. 2029 |
| Total Budget | \$ 12,850,000 | Revised Start Date | 3rd Qtr. 2027 |
| Council Districts | 4 | Revised End Date | 3rd Qtr. 2033 |
| Description | This project constructs a new FOG (Fats, Oils, Grease) receiving station, including storage tanks, access control, feed piping from the receiving station to the first phase anaerobic digesters, odor control, and a 1/4-mile of access road improvements. | | |

| | | | |
|--------------------------|---|---------------------------|---------------|
| Project Name | New Disinfection Facilities | Initial Start Date | 3rd Qtr. 2020 |
| 5-Yr CIP Budget | \$ 7,853,000 | Initial End Date | 2nd Qtr. 2029 |
| Total Budget | \$ 56,977,000 | Revised Start Date | 3rd Qtr. 2025 |
| Council Districts | 4 | Revised End Date | 4th Qtr. 2033 |
| Description | This project constructs a new disinfection facility (currently assumed to be based on ultraviolet (UV) technology) to replace the existing sodium hypochlorite disinfection facility. It may also expand the existing chlorine contact basins to accommodate future peak hour wet weather flows and construct a new on-site hypochlorite generation facility. This project would only be triggered if new regulations concerning emerging contaminants are issued by the Regional Water Board within the next two to three NPDES permit cycles, and additional studies confirm future flow projections. | | |

| | | | |
|--------------------------|--|---------------------------|---------------|
| Project Name | Secondary Clarifier Rehabilitation | Initial Start Date | 1st Qtr. 2017 |
| 5-Yr CIP Budget | \$ 25,936,000 | Initial End Date | 2nd Qtr. 2024 |
| Total Budget | \$ 26,455,000 | Revised Start Date | 3rd Qtr. 2024 |
| Council Districts | 4 | Revised End Date | 2nd Qtr. 2030 |
| Description | The Plant has 26 secondary clarifiers configured with peripheral mix liquor feed channel, and either central or peripheral launders. The first phase of this project rehabilitates one secondary (BNR1) clarifier and retrofits it to receive a new baffle configuration based on computational fluid dynamic (CFD) modeling results. The new configuration is expected to improve clarifier performance and efficiency. The subsequent phases of the project will rehabilitate and convert the remaining 25 clarifiers based on the results of the first phase. Rehabilitation will include structural, mechanical, electrical, and instrumentation improvements. | | |

| | | | |
|--------------------------|---|---------------------------|---------------|
| Project Name | Tunnel Rehabilitation | Initial Start Date | 2nd Qtr. 2015 |
| 5-Yr CIP Budget | \$ 3,199,000 | Initial End Date | 4th Qtr. 2024 |
| Total Budget | \$ 27,638,292 | Revised Start Date | 3rd Qtr. 2025 |
| Council Districts | 4 | Revised End Date | 3rd Qtr. 2037 |
| Description | This project will rehabilitate and make safety improvements to the tunnel system throughout the Plant. The work may include structural, mechanical, electrical, ventilation, fire safety, and coating improvements and will be completed in phases based on a detailed condition assessment, physical testing, and prioritization of needs. | | |

Water Pollution Control
2024-2028 Adopted Capital Improvement Program
Summary of Reserves

| | |
|--------------------------|---|
| Project Name | Hydraulic Capacity Enhancements Reserve |
| 5-Yr CIP Budget | \$ 3,666,000 |
| Total Budget | \$ 3,666,000 |
| Council Districts | 4 |
| Description | This reserve sets aside funding for future design, engineering, and inspection for the connection of new developments to the recycled water utility system. This reserve is fully funded by the South Bay Water Recycling Capital Fund; no revenue from Plant Tributary Agencies or City Sanitary Sewer rate payers has been used for the allocation of this reserve. |

Water Pollution Control
2024-2028 Adopted Capital Improvement Program
Summary of Projects with Close-Out Costs Only in 2023-2024

| | | | |
|--------------------------|--|---------------------------|---------------|
| Project Name | Advanced Facility Control and Meter Replacement | Initial Start Date | 3rd Qtr. 2010 |
| 5-Yr CIP Budget | \$ 150,000 | Initial End Date | 2nd Qtr. 2014 |
| Total Budget | \$ 28,809,710 | Revised Start Date | |
| Council Districts | 4 | Revised End Date | 2nd Qtr. 2024 |
| Description | This project develops and executes a Plantwide automation master plan; replaces existing flow meters and actuators; and upgrades sensors, controls, and monitoring equipment throughout the Plant. | | |

| | | | |
|--------------------------|--|---------------------------|---------------|
| Project Name | Headworks Improvements | Initial Start Date | 3rd Qtr. 2012 |
| 5-Yr CIP Budget | \$ 481,000 | Initial End Date | 2nd Qtr. 2015 |
| Total Budget | \$ 22,228,734 | Revised Start Date | 1st Qtr. 2013 |
| Council Districts | 4 | Revised End Date | 4th Qtr. 2023 |
| Description | This project will modify Headworks No. 2 (HW2) to accommodate all dry weather flow. Improvements include re-routing some inlet and recycle flow piping, new storm water pump stations, and other mechanical enhancements to improve reliability and operation performance. | | |

| | | | |
|--------------------------|--|---------------------------|---------------|
| Project Name | New Headworks | Initial Start Date | 3rd Qtr. 2012 |
| 5-Yr CIP Budget | \$ 1,880,000 | Initial End Date | 2nd Qtr. 2013 |
| Total Budget | \$ 152,137,881 | Revised Start Date | |
| Council Districts | 4 | Revised End Date | 4th Qtr. 2023 |
| Description | This project will construct a new headworks to serve as the Plant's duty headworks. It also involves lining the emergency overflow basin and installing spraydown systems to facilitate cleaning. The project will also be tasked with odor control over select areas, such as junction boxes and grit collection. This project will need to be coordinated with the modifications made to the Headworks 2 hydraulics and the eventual decommissioning of Headworks 1. | | |

Water Pollution Control

2024-2028 Adopted Capital Improvement Program

EXPLANATION OF FUNDS

Revenues and expenditures for the operation and maintenance of the San José-Santa Clara Regional Wastewater Facility (RWF) are accounted for by the City of San José, as the administering agency, through the San José-Santa Clara Treatment Plant Operating Fund (Operating Fund) and the San José-Santa Clara Treatment Plant Capital Fund (Capital Fund).

Revenues from the City of Santa Clara and tributary agencies of the RWF are recorded directly into the Operating and Capital Funds. The tributary agencies include the City of Milpitas, City of Cupertino, Burbank Sanitary District, County Sanitation District No. 2-3, and West Valley Sanitation District.

Tributary agencies are assessed for their share of annual operation, maintenance, equipment, and facilities replacement and capital costs, based on their respective flow and strength of sewage conveyed to the RWF.

The Sewer Service and Use Charge Fund was established in the San José Municipal Code Section 15.12.640 in August 1959. This fund is the depository of revenues from Sewer Service and Use Charges received from residential, commercial, and industrial users of the sanitary sewer system within San José. A portion of these monies are transferred to the Operating and Capital Funds to pay for the City of San José's share of operating and capital costs of the RWF.

The Capital Fund provides all monies used for capital projects. In addition, debt service payments for the City of San Jose's Sewer Revenue Bonds, issued under the San José Financing Authority are made from this fund.

Revenues and expenditures for the operation and maintenance of the South Bay Water Recycling system are accounted for by the South Bay Water Recycling Operating Fund. Wholesale revenues from recycled water retailers are recorded directly into the Operating fund. The South Bay Water Recycling (SBWR) Capital Fund provides monies for capital improvement projects in support of SBWR system infrastructure and capacity improvements. These funds may be supplemented by South Bay Water Recycling Operating funds to support the capital needs of the recycled water system. Annual payment and reimbursement obligations can require the transfer of funding from the South Bay Recycled Water Operating Fund to the Sewer Service and Use Charge Fund via the San José-Santa Clara Treatment Plant Operating Fund.