



**Dublin San Ramon
Services District**

Water, wastewater, recycled water

Capital Improvement Program

TEN YEAR PLAN— Fiscal Years 2024 through 2033

TWO YEAR BUDGET— Fiscal Years 2024 and 2025

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Capital Improvement Program

Ten-Year Plan

For Fiscal Years Ending 2024 through 2033

Two-Year Budget

For Fiscal Years Ending 2024 and 2025

Adopted by Board Resolution No. 26-23 on June 20, 2023

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Executive Summary

Capital Improvement Program Overview

The Capital Improvement Program (CIP) is a capital investment plan to maintain and enhance the Dublin San Ramon Services District's ("District" or "DSRSD") infrastructure. The CIP serves as a guide for identifying current and future projects in support of the District's mission *to protect public health and the environment by providing reliable and sustainable water, recycled water, and wastewater services in a safe, efficient, and fiscally responsible manner*. The CIP is also the planning instrument used to coordinate the financing and timing of improvements, with the ultimate goal of maximizing the return to customers.

The CIP consists of the Ten-Year Capital Improvement Plan ("Plan") and the Two-Year Capital Improvement Budget ("Budget"). The Capital Improvement Plan serves to identify, prioritize, and schedule capital projects for the ten-year period, and establish a plan for generating the financial resources needed to complete these capital projects. The first two years of expenditures in the Capital Improvement Plan comprise the District's Two-Year Capital Improvement Budget for Fiscal Years 2024 and 2025. By adopting the Capital Improvement Budget, the Board:

- Authorizes total budgets for the individual capital projects.
- Authorizes the initiation of project expenditures in either fiscal year 2024 or 2025.
- Establishes the maximum expenditures from each fund for fiscal years 2024 and 2025.

Capital Improvement Program Process

The development of the CIP is a coordinated process, occurring every two years, and beginning with District staff identifying projects and preparing related descriptions, schedules, and cost estimates. Projects may be identified in a master plan, study, or the asset management replacement model. Projects are also included to meet an upcoming regulatory requirement, or as a staff recommendation. Project requests are submitted for evaluation by the District Engineer.

Several factors are considered in developing the CIP, including the District's Strategic Plan and established District Policies, the need to meet a regulatory mandate or requirement, the impact to the District's capital fund reserves, and balancing project scheduling with available staffing resources. The recommended CIP is compiled and presented to the General Manager for review and input. The recommended CIP is next reviewed by the Board of Directors ("Board") at a work session, where the public has an opportunity to provide comments before final adoption by the Board at a public hearing in June.

Capital Improvement Program Projects & Programs

The CIP includes Projects and Programs, each of which are described below:

1. **Projects:** A CIP project is defined as an infrastructure project which is; 1) non-recurring in nature; 2) has a minimum cost of \$20,000; 3) results in a new asset that has a useful life of at least three years or extends the useful life of an existing asset by at least three years; and 4) requires project management, typically requiring compliance with the California Public Contract Code. A common example of a CIP project is a water or wastewater collection pipeline replacement.
2. **Programs:** A CIP program sets aside money to fund projects that are anticipated but do not yet have definitive scope and budget. For example, a major water main might need unexpected replacement, and the associated program would fund the creation of a modest-scale replacement project when the need arose. The amounts set aside are based on Asset Management replacement models. The Asset Management models includes assumptions about the useful life of each asset, which identifies when an asset would need to be repaired or replaced and calculates an estimated cost to do so. Once a specific scope of work and budget is developed, a project can be created from the CIP program. An example of an Asset Management model based program is the Regional Wastewater Treatment Facility Replacement and Rehabilitation Program (00-P026). Other programs set aside funding for a particular District initiative which may ultimately fund more than one individual CIP project. An example of a District specific initiative program is the Long-Term Water Resiliency Program (00-W002).

Capital Replacement and Expansion Funds

The District has three business enterprises: local wastewater collection, regional wastewater treatment and water. Each business has two capital funds: replacement and expansion. A key distinction is that replacement funds are largely funded by rate revenue from existing customers, while expansion funds are funded by fee revenue from new development.

A CIP project can have more than one funding source depending on the project scope, and as determined by the Board's Project Cost Allocation Policy. The Capital Improvement Program outlines the capital expenditures planned in the replacement and expansion funds. A more detailed discussion of each fund occurs later in Chapter 3.

Local Wastewater Replacement (Fund 210) – The funding source to replace and improve local sewer facilities to handle existing wastewater flows. Facilities include trunk sewer lines, lift stations, and related appurtenances that transfer wastewater from the point of origin to the regional wastewater treatment plant.

Local Wastewater Expansion (Fund 220) – The funding source to expand or add local sewer facilities to accommodate increased wastewater flows from new development.

Regional Wastewater Replacement (Fund 310) – The funding source to replace and improve the regional wastewater treatment plant to process existing wastewater flows before further treatment for recycled water or transit through the LAVWMA pipeline to the San Francisco Bay for disposal.

Regional Wastewater Expansion (Fund 320) – The funding source to expand or add to the regional wastewater treatment plant and related appurtenances that process future wastewater flows.

Water Replacement (Fund 610) – The funding source to replace and improve facilities to treat recycled water, as well as the pipelines, pump stations, reservoirs, and related appurtenances to distribute potable water and recycled water.

Water Expansion (Fund 620) – The funding source to expand or add facilities to treat recycled water and to distribute potable and recycled water.

Fiscal Year 2024-2033 Capital Improvement Program At-A-Glance

The total budget for the Ten-Year Plan for Fiscal Years 2024 through 2033 is \$327.3 million and is comprised of 122 projects and programs. The Two-Year Budget for Fiscal Year 2024 and 2025 is \$71.4 million and is comprised of 81 projects and programs including 22 projects managed by the District on behalf of two Joint Powers Authorities: DSRSD-East Bay Municipal Utility District (EBMUD) Recycled Water Agency (DERWA) and Livermore Amador Valley Water Management Agency (LAVWMA). It should be noted that while the District manages JPA projects, DSRSD is reimbursed by the JPAs for the full cost of each project.

Table 1 – CIP Expenditures by Fund (\$1,000's)

Fund	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	10-Year Total
Local Replacement	939	2,129	1,516	3,619	3,197	1,760	421	421	421	421	14,842
Local Expansion	156	171	978	-	363	1,715	-	275	2,557	-	6,215
Regional Replacement	11,267	15,298	6,900	6,755	10,105	12,343	13,108	12,388	2,568	2,568	93,300
Regional Expansion	418	1,343	2,228	5,514	12,236	7,345	-	10,500	2,700	5,400	47,682
Water Replacement	9,900	11,790	16,365	5,854	9,207	11,402	8,752	8,827	12,277	21,627	115,999
Water Expansion	2,693	15,315	11,258	12,132	470	2,674	375	625	625	3,125	49,292
Annual Total	25,373	46,047	39,244	33,874	35,577	37,238	22,655	33,035	21,147	33,140	327,330

Figure 1 – CIP Expenditures by Fund

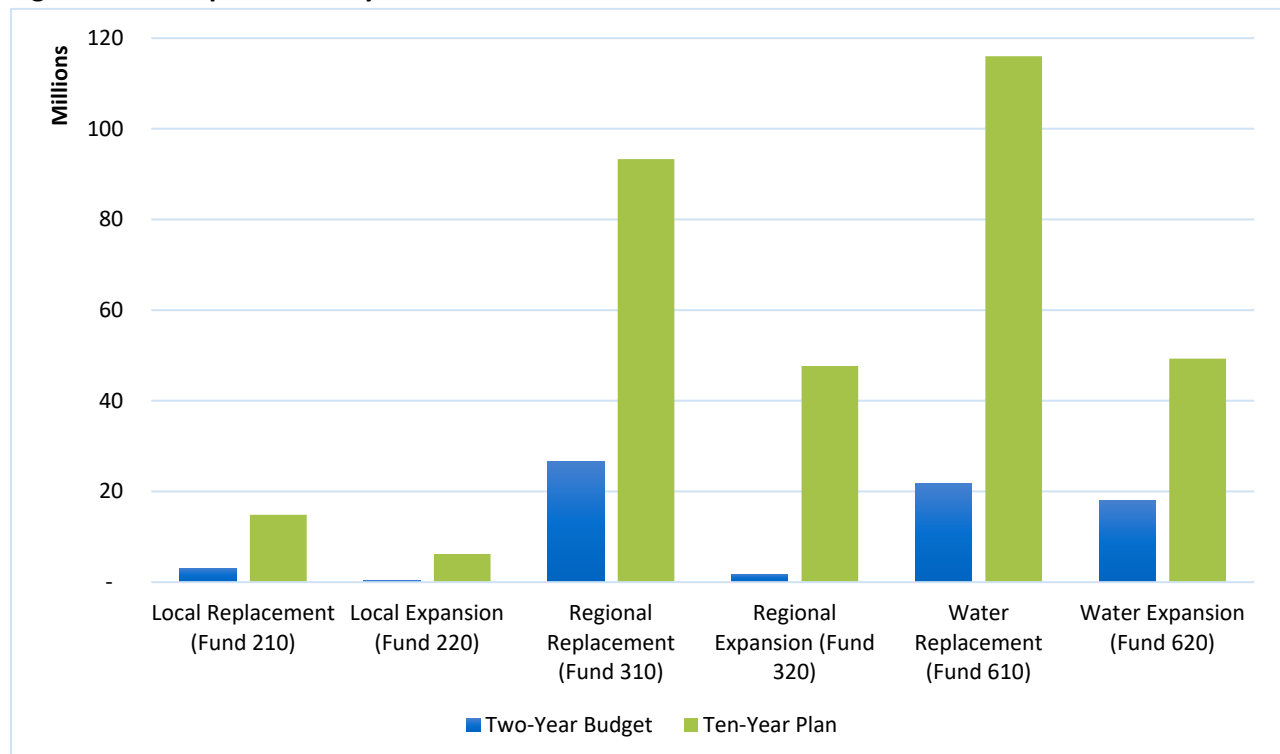
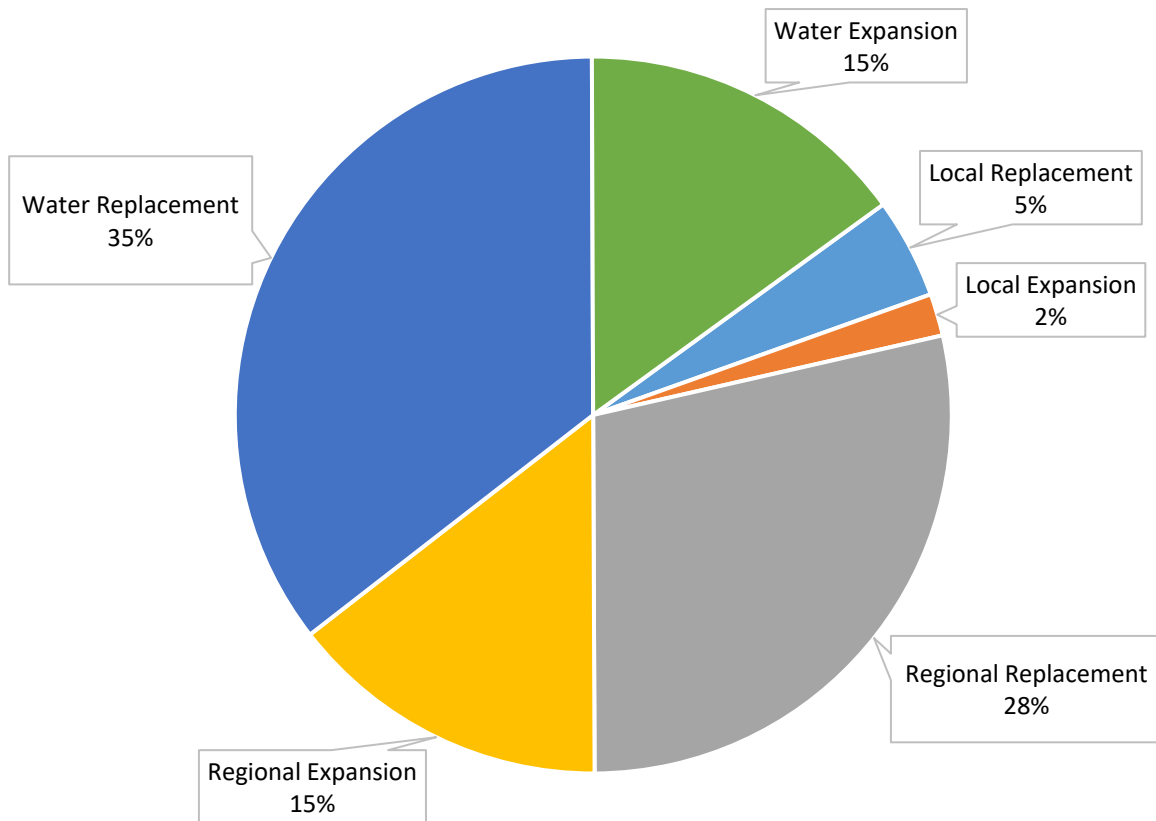


Figure 2 – Ten-Year CIP Expenditures by Fund

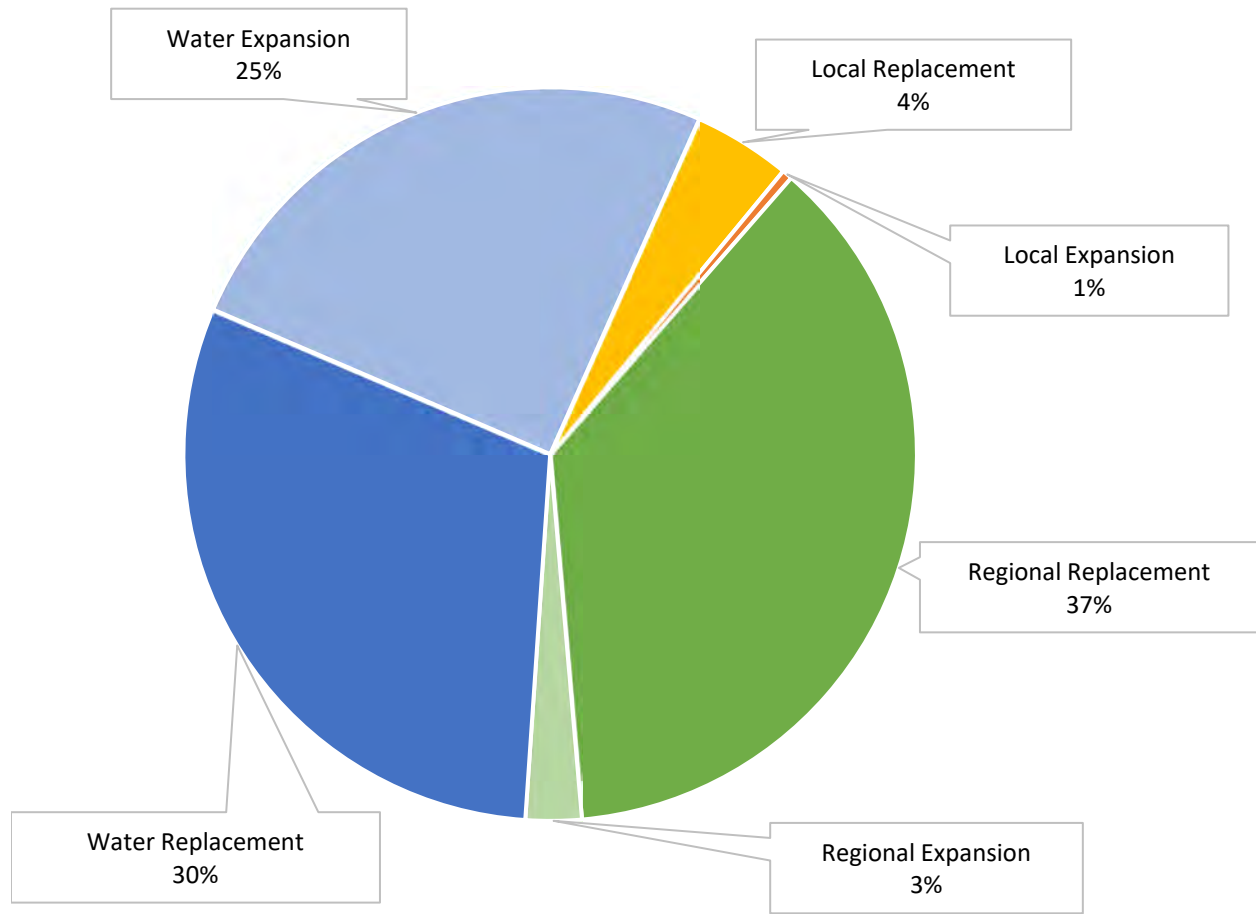


The total budget for the Ten-Year Plan for Fiscal Years 2024 through 2033 is \$327.3 million and is comprised of 122 projects and programs. In the Ten-Year Plan, Local wastewater collection projects account for 7 percent of the total expenditures. Regional wastewater treatment projects account for 43 percent of the total Ten-Year Plan expenditures. Water system projects comprise 50 percent of the total expenditures in the Ten-Year Plan.

Replacement projects account for 68 percent of the total Ten-Year Plan expenditures. The share of Local Wastewater Collection, Regional Wastewater Treatment, and Water System replacement projects as a percent of the total Ten-Year Plan is 5 percent (Local), 28 percent (Regional), and 35 percent (Water).

Expansion projects account for 32 percent of the total CIP Ten-Year Plan expenditures. The share of Local Wastewater Collection, Regional Wastewater Treatment, and Water System expansion projects as a percent of the total Ten-Year Plan is 2 percent (Local), 15 percent (Regional), and 15 percent (Water).

Figure 3 – Two-Year CIP Expenditures by Fund



The Two-Year Budget for Fiscal Year 2024 and 2025 is \$71.4 million and is comprised of 81 projects and programs including 22 projects managed by the District on behalf of the two Joint Powers Authority, DERWA and LAVWMA. In the Two-Year Budget, Local wastewater collection projects account for 5 percent of the total expenditures. Regional wastewater treatment projects account for 40 percent of the total CIP Two-Year Budget expenditures. Water system projects comprise the majority (55 percent) of the total Two-Year Budget expenditures.

Replacement projects account for 71 percent of the total Two-Year Budget expenditures. The share of Local Wastewater Collection, Regional Wastewater Treatment, and Water System replacement projects as a percent of the total Two-Year Budget is 4 percent (Local), 37 percent (Regional), and 30 percent (Water).

Expansion projects account for 29 percent of the total CIP Two-Year Budget expenditures. The share of Local Wastewater Collection, Regional Wastewater Treatment, and Water System expansion projects as a percent of the total Two-Year Budget is 1 percent (Local), 3 percent (Regional), and 25 percent (Water).

Chapter 1: Long-Term Capital Planning

CIP and Strategic Plan Nexus

The Capital Improvement Program (CIP) is integral to the achievement of the District's mission and implementation of the Strategic Plan. Development, approval, and implementation of the CIP accomplishes several District's Strategic Plan goals by providing specific projects and planned funding towards meeting the goals. For example, the Strategic Plan goal to enhance the District's ability to respond to emergencies is advanced with the WWTP SCADA Improvements project (05-3206) which will provide robust and redundant communication between the WWTP processes.

The CIP Plan and Budget also supports the District Strategic Plan goals to maintain financial stability and sustainability and to optimize the Asset Management Program to guide District business decisions. The District's Asset Management Program identifies projects for the CIP Plan and Budget. In addition, it provides an overall estimate of expected expenditures over the CIP Plan timeframe and beyond to guide future rate operating budget and rate studies.

The Strategic Plan includes a goal of improving the resiliency of the District's water supplies against future uncertainties. The 2023 Water Conservation Master Plan project (24-W019) will provide a framework for conservation programs to align with the District's mission to meet conservation goals. The Leak Detection and Technology Study (24-W011) also furthers this goal. The project will test and ultimately implement a cost effective leak detection technology solution to comply with California's Long-Term Water Conservation Framework regulations. The Non-Residential Meter Replacement project (24-W008) supports this goal by replacing large commercial water meters as a means to ensure meter accuracy and reduce lost water.

The Strategic Plan goal to improve energy efficiency and reliability for the District is currently being evaluated by the Energy Facilities Master Plan (22-P009) by studying current and future energy demands and develop strategies to increase energy efficiency while meeting energy demands. The Cogeneration Engine Replacement project (T18-15), which has a budget of \$33.5 million expected to be spent over 4 years, is another project which meets the Strategic Plan goal of improving energy efficiency and reliability. This project will largely depend on the final results of the Energy Facilities Master Plan but has been included in the Ten-Year Plan beginning in Fiscal Year 2028 based on preliminary Board direction.

Master Plans

The District develops master plans every five to ten years for each of its enterprises, Local Wastewater, Regional Wastewater and Water. The District also develops master plans for particular business needs, such as the Information Technology Master Plan and the Facilities Security Master Plan. The master plan planning horizons are typically 20 years. The proposed projects from these master plans are incorporated into the CIP. A summary of the studies and plans that have informed the CIP Plan and Budget include:

- Local Collection System Master Plan (2019)
- Wastewater Treatment and Biosolids Master Plan (2017)
- Water Master Plan (2016)
- Long-term Alternative Water Supply Plan Update (2021)
- Information Technology Master Plan (2017)

Asset Management Program/Replacement Projects

The District has developed asset management models that estimate the rehabilitation and replacement year and cost for each asset based on the age and type of the asset. The renewal and replacement needs identified by the asset management models during the Ten-Year Plan are reflected in individual capital projects and programs. Using the models, staff identifies specific capital projects and funding to be included in the CIP Plan and Budget. Expenditures to account for projects that will be identified over the time frame of the plan are included in the rehabilitation and replacement programs.

To capture the expenditures beyond the Ten-Year Plan and assure that funding is available, the average estimated expenditures over the Ten-Year Plan plus the expenditures for the five years beyond the plan are averaged to create a fifteen-year expected annual average replacement expenditure estimate. This fifteen-year average is used to set the minimum capital replacement fund levels (see Financial Reserves section for more detail) in compliance with the District's Financial Reserve Policy. Thus, the Capital Improvement Program reflects not only intermediate term capital projects but also longer-term estimates of asset replacement needs.

The expected annual expenditures for the local collection, regional wastewater and water replacement funds for the next 30 years are shown in Figures 4 through 6. There is significant variability in the estimated expenditures from year to year. In the figures, this variability has been distributed over several years to 1) reflect the variability in asset life (i.e. some pipes or equipment will fail earlier and some will fail later than its expected life), 2) better visualize the trend in expenditures, and 3) reflect a more realistic project implementation schedule to balance staffing resources.

Local Wastewater Collection – Replacement

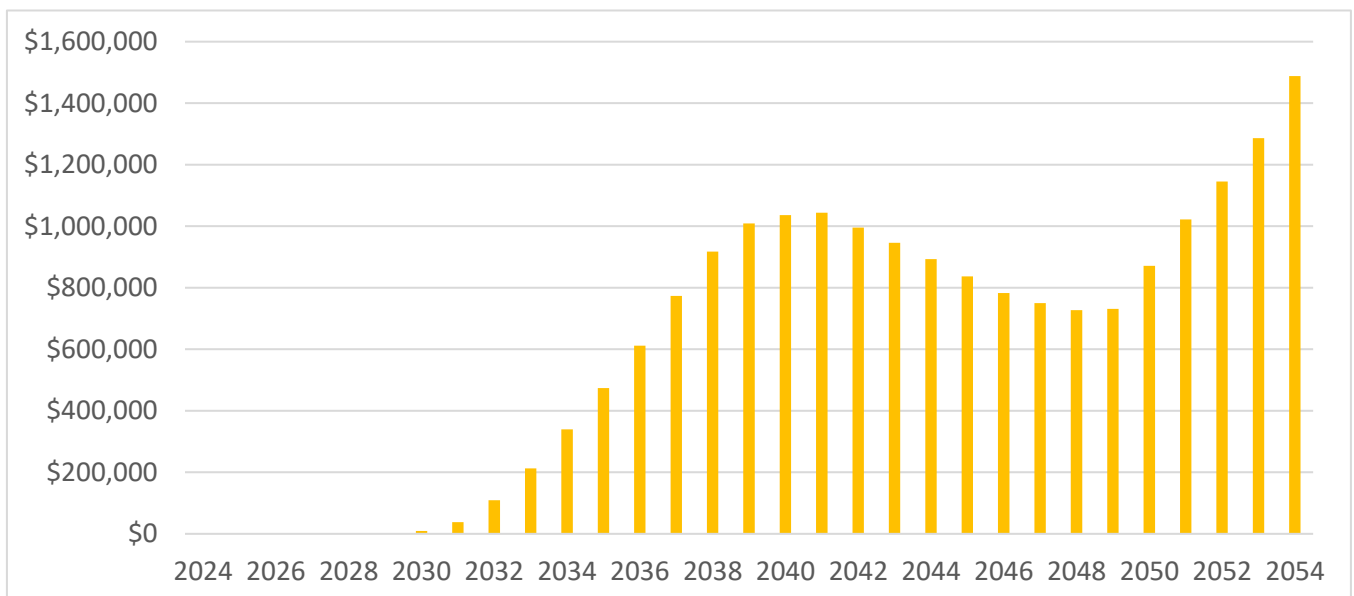
The asset management model for the local collection system estimates the remaining life of a sewer pipeline based on the installation date of the pipeline and the material used. The remaining life of a sewer pipeline may also be revised based on inspection data. If inspection data shows the pipeline to be in good condition, the life may be extended. Conversely, when inspections reveal cracking or degradation of sewer pipelines, the remaining life is shortened based on the severity of the damage and the rehabilitation or replacement of that pipeline is accelerated.

Figure 4 shows the anticipated expenditures for the local wastewater collection system for the next 30 years. The most common method to address aging collection system pipelines is to line the pipeline, as opposed to replacing it. Lining extends the useful life, however, each pipeline will eventually need to be replaced. For this reason, the replacement costs used in the model are based on rehabilitating the pipes through a combination of cast in-place lining and pipe replacement. Full replacement costs, including excavation, appear at the end of the planning horizon.

Peaks in replacement expenditures are largely driven by past surges in development, where large portions of the system were installed at a similar time, using similar pipe material. Given that many of the District’s local collection assets were installed during a period of initial growth in the 1960s, those initial assets begin to reach the end of their useful life around 2050. Most of the pipe material of the original wastewater collection system is vitrified clay pipe, followed by reinforced concrete pipe.

Figure 4 shows a gradual increase in replacement costs starting in the latter half of the current Ten-Year Plan. These anticipated replacement costs are associated with pipelines that, based on inspection data, have cracking that may necessitate repair sooner than anticipated. However, the magnitude of damage is not significant enough to prompt a rehabilitation project in the near term. Some of the defects may be able to be fixed with a “spot repair” which can extend the pipeline’s useful life back to the original life expectancy. Staff will continue to monitor inspection data and update the model to address pipeline rehabilitation needs.

Figure 4 – Local Wastewater Collection Long-Term Replacement Costs

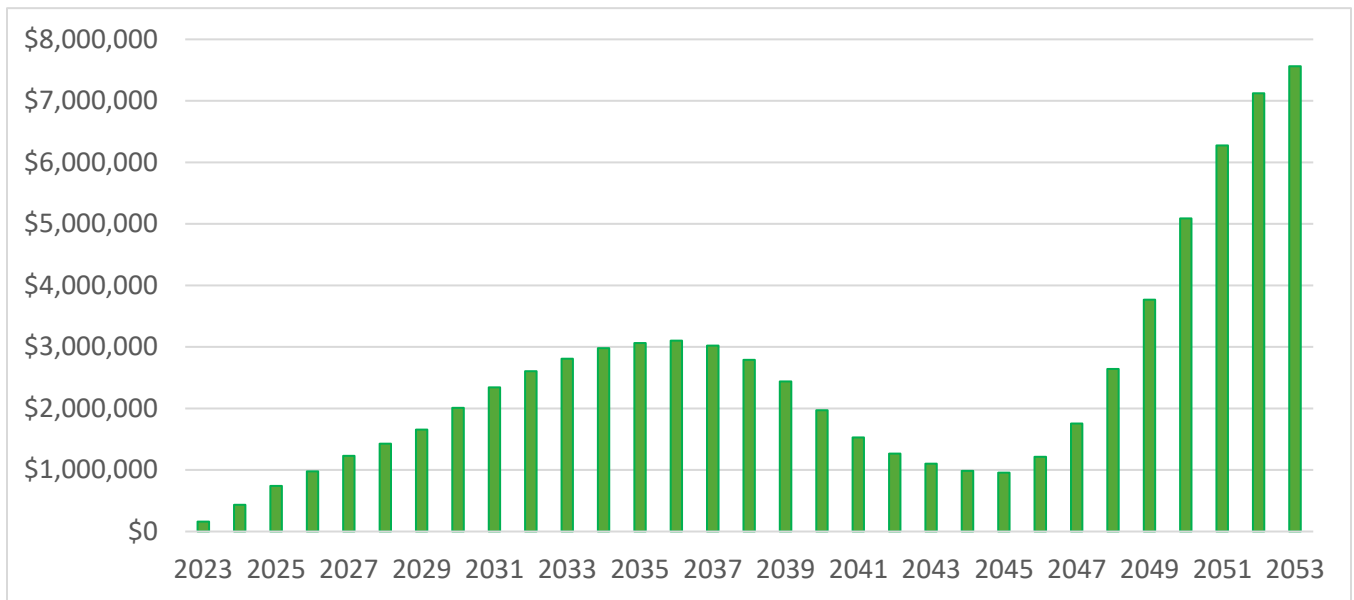


Regional Wastewater Treatment - Replacement

The regional wastewater treatment asset management model includes the structures and equipment at the Regional Wastewater Treatment Plant. The anticipated regional wastewater replacement expenditures, shown in Figure 5, increase annually until approximately 2036. Beyond that timeframe, the expenditures drop somewhat and flatten out until 2045 but begin to increase thereafter through 2053.

In the near term, assets due for replacement are mostly those that were installed as part of the Stage 4 treatment plan expansion in 2000. The replacement model factors in industry standard rehabilitation and replacement schedules and costs.

Figure 5– Regional Wastewater Long-Term Replacement Costs



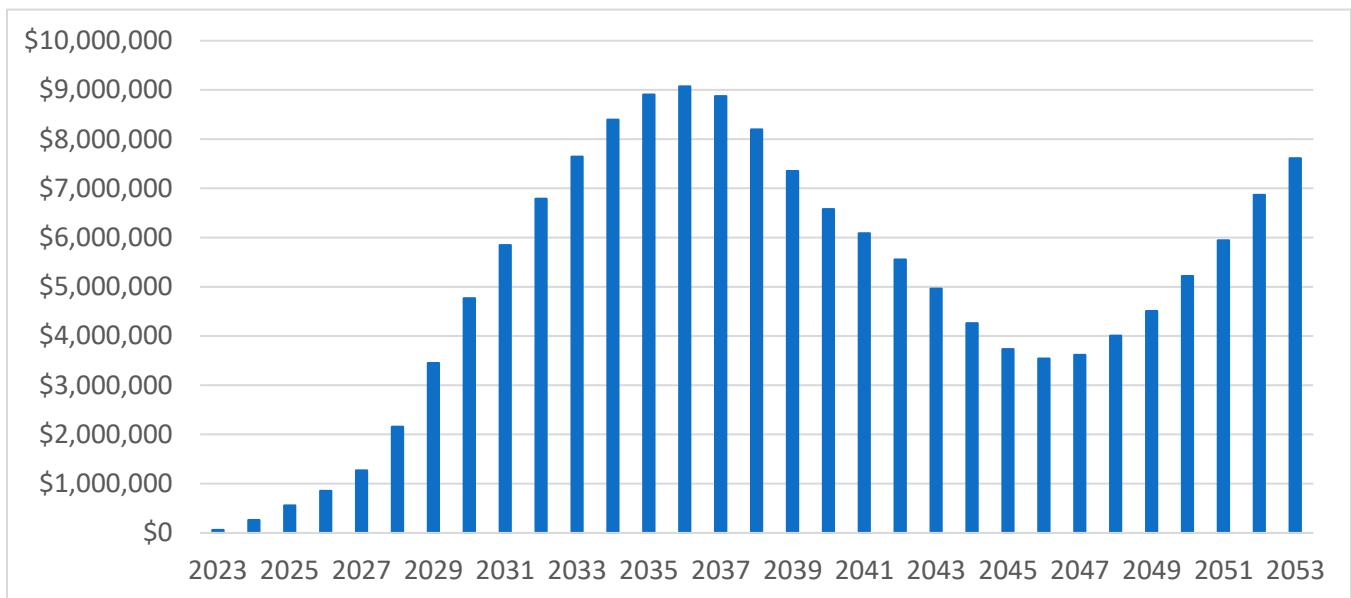
Water System- Replacement

The asset management model for the water system estimates the remaining life of a pipeline based on the installation date of the pipeline and the pipeline material. The average annual water replacement expenditures, shown in Figure 6, increase annually and peak in 2036, just outside the Ten-Year Plan horizon. The replacement costs decrease until 2046, and from there they begin to increase again. This is due to various spikes in past development throughout the service area.

The oldest pipelines in the water system, namely cast iron pipes located in Camp Parks and asbestos cement (AC) pipes in central Dublin, are at or near the end of their useful life. There are several projects included in the CIP Two-year Budget and Ten-year Plan to replace pipelines in these areas in the next ten years. The costs shown in Figure 6 exclude the cost of these replacement projects. The anticipated replacement costs that are not captured in a specific project are reflected in the Water Replacement and Rehabilitation Program.

While pipelines comprise the majority of the costs in the model, pump station equipment is also included. A similar assessment on useful life and equipment type is used to determine the appropriate replacement schedule for pump station equipment.

Figure 6 – Water Long-Term Replacement Costs



Chapter 2: Budget Process

Capital Improvement Program Process

The development of the CIP is a coordinated process, occurring every two years, and beginning with District staff identifying projects and preparing related descriptions, schedules, and cost estimates. Projects may be identified in a master plan, study, or the asset management replacement model. Projects are also included to meet an upcoming regulatory requirement, or as a staff recommendation. Project requests are submitted for evaluation by the District Engineer. Several factors are considered in developing the CIP, including the District's Strategic Plan and established District Policies, the need to meet a regulatory mandate or requirement, the impact to the District's capital fund reserves, and balancing project scheduling with available staffing resources. The recommended CIP is compiled and presented to the General Manager for review and input. The recommended CIP is next reviewed by the Board of Directors ("Board") at a work session, where the public has an opportunity to provide comments before final adoption by the Board at a public hearing in June.

Capital Planning Policies

Development and implementation of the CIP is directed by the District policies listed below and available on the District's website. <http://www.dsrsd.com/about-us/district-policies>

1. **Project Cost Allocation:** Basis for determining how the cost of projects should be allocated between funds.
2. **Infrastructure Responsibilities and Funding:** Defines responsibility for major and non-major infrastructure planning design and construction. Establishes use of connection fees as primary source of funding for major infrastructure.
3. **Financial Reserves:** Provides guidance for the prudent accumulation and management of designated reserves.
4. **Budget Accountability:** Operations and Capital Improvement Program budget controls.

Budget Controls

Two-Year Project Budget

By Board adoption of the CIP Two-Year Budget, each project and program and their corresponding budget listed in the first two years (Fiscal Years 2024 and 2025) of the CIP Ten-Year Plan is authorized and may be fully expended with the following conditions:

- The total expenditures for each individual project shall not exceed the project total.
- The total allocated expenditures for the Two-Year Budget may be initiated in either Fiscal Year 2024 or 2025.

Additional project budget approval conditions are discussed in the following sections.

Project Approval from a Program

Approval authority for projects created from a program are consistent with the approval authority limits outlined in the District purchasing procedures:

- The General Manager may approve a project of \$175,000 or less created from a program.
- The General Manager may approve an increase in the budget of a project created from a program provided adequate program funds are available up to the General Manager's authority of \$175,000.
- A project created from a program in excess of \$175,000 or a budget increase that is greater than the General Manager's authority requires Board approval.

Program Budgets

Upon completion of a project created from a program, any unused funds are returned to the program provided it is in the same fiscal year. Funding allocated to program budgets are not cumulative from year to year. Program budgets that do not fund specific projects by the end of the fiscal period do not carry forward. Thus, the program's total expenditures shall not exceed the total program budget for each fiscal year. The Board must approve increases in a program budget.

CIP Budget Implementation

The General Manager may authorize staff to complete the implementation process or use consultant and construction contracts in standard District form, task orders and purchase orders for services, equipment, materials and supplies up to the authority of \$175,000 per the District Code. In addition, the General Manager has the authority to adjust contracts that were previously approved by the Board, up to the purchasing authority of \$175,000. All work authorized by the General Manager or submitted to the Board for authorization shall be procured and managed in accordance with District Code and purchasing procedures.

Actions Requiring Board Approval

The following is a summary of project and budget actions requiring Board approval:

- Addition of a new project (not created from a program)
- Addition of a new project created from a program in excess of \$175,000
- Acceleration of a future project that had to unexpectedly start early in either Fiscal Year 2024 or 2025
- Increase in a project budget in excess of \$175,000
- Increase in a program budget
- Increase in a project budget where the revised project budget is in excess of \$175,000
- Authorization of contracts, task orders, purchases or construction contracts in excess of \$175,000

Chapter 3: Fund Overview

Overview of District Funds

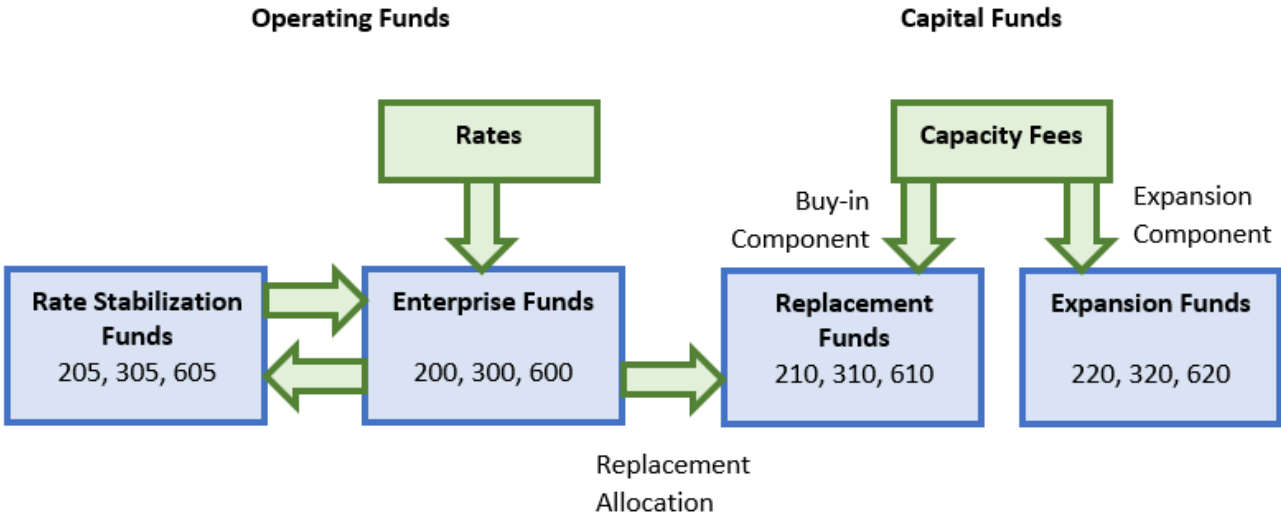
The District has three business enterprises: local wastewater collection, regional wastewater treatment and water. Each business enterprise has four funds: Enterprise, Rate Stabilization, Replacement, and Expansion. The funds have two main sources of revenue: rates and fees. Each fund also has interest revenue derived from the capital in the fund.

The rates paid by the District’s customers go into the Enterprise Funds and are used to pay the normal operating costs. A portion of the rates is transferred from the Enterprise Funds to the Replacement Funds (replacement allocations) to pay for capital projects that replace or improve facilities that benefit existing customers. When there is a financial surplus in the Enterprise Fund the surplus is transferred to the Rate Stabilization Fund and is drawn upon to fund unexpected events.

Capacity reserve fees collected from development projects go into the Expansion Funds and are used to pay for new projects that serve future customers and for debt related to facilities that were built to add capacity for future customers. The District will often build a facility that is sized to meet capacity needs into the distant future. An existing infrastructure buy-in component of the fee is collected for new development to pay for the use of existing excess capacity. The existing infrastructure buy-in component goes to the Replacement Fund.

The revenue from fees is estimated based on the number of future water and wastewater connections anticipated with planned development provided by the cities of Dublin, Pleasanton, and San Ramon. Because each connection to the system may have different water or sewer use, the connections are converted to Dwelling Unit Equivalents (DUEs) which are based on usage relative to that of a single-family residential home. The number of connections in the first two years are based on the planned development slated for those years. The number of projected connections over the remaining eight years of the plan are averaged over those years as the actual timing of development in the latter years is difficult to predict.

Figure 7 – Capital Funding



Financial Reserves

The District's Financial Reserves Policy designates financial reserves in order to protect the District's investment in various assets, satisfy its commitments under its numerous financial, regulatory and contractual obligations and to stabilize long-term rates for its customers.

For capital replacement funds (210, 310, 610), the minimum reserve is twice the average annual expenditures in the fund based on the next 15 years of planned expenditure which includes the Ten-Year Plan plus an estimate of asset replacement needs for the subsequent five years.

For the expansion funds (220, 320, and 620), minimum reserve is the greater of two years debt service or the next two years of project expenditures. This methodology ensures sufficient financial reserves to complete projects in progress and pay debt service obligations should development not materialize as projected. An alternate spending plan for capital expenditures would then be addressed in the next two-year budget cycle.

As the local sewer, water, and regional wastewater treatment systems age, the replacement costs will increase. Concurrently, development in the service area will be approaching build out and capacity reserve fees will diminish. This will result in a decline in existing infrastructure buy-in component of the capacity reserve fee revenue to the replacement funds from the various capacity reserve fees, creating a conundrum where infrastructure begins to accelerate its depreciation at almost the same time that a major revenue source begins a significant decline.

The policy of setting capital replacement reserve levels at twice the fifteen-year average of planned capital projects plus known asset management replacement needs will help to mitigate the problem of increasing costs and decreasing capacity reserve revenue. The average annual replacement cost will increase, leading to an increase in replacement reserve requirements, which will gradually signal the need for additional capital funding. Within each two-year budget period, the District can assess the need for growth in utility rates to make up the difference. Thus, the District will be able to capitalize on its growing Asset Management Program to plan a sensible long-term ramp-up of rehabilitation and replacement funding through user fees.

Financial Summary by Fund

To assure the District has sufficient funds to maintain existing assets and to construct the facilities to meet the needs of new customers, the District projects the revenues and expenditures in the capital replacement and expansion funds over the ten-year CIP plan period and verifies the fund working capital is greater than the minimum financial reserve level as defined in the Financial Reserve Policy. A summary of the revenues and expenditures and working capital trends in each replacement and expansion fund is provided in the following sections.

Local Wastewater Collection Replacement (Fund 210)

The Local Wastewater Replacement fund (Fund 210) funds projects which replace and improve local sewer facilities that transfer wastewater from the point of origin to the regional wastewater treatment facility. The fund minimum reserve is twice the average annual expense of the fifteen-year CIP.

Revenue & Expenditures

The fund’s revenue includes the existing infrastructure buy-in component of capacity reserve fees, interest, and the replacement allocation from the Local Enterprise fund. In the Two-Year Budget, half of the fund’s revenue comes from capacity reserve fees, while 45 percent comes from replacement allocation. Interest accounts for 5 percent of the fund’s total revenue. Due to insufficient rate revenue in the Local Enterprise fund, there was no replacement allocation transfer in Fiscal Year 2022. The replacement allocation was re-established in Fiscal Year 2023, at \$800,000 annually through Fiscal Year 2027. In Fiscal Year 2028, the replacement allocation is increased to \$1.2 million for the remainder of the planning period. Capacity Reserve Fee revenue is based on the most recent development projections and the current fee increased 3 percent annually.

The fund’s only expenditures are CIP expenditures, shown in more detail in Table 8 in the following section. In Fiscal Year 2018, the Local Expansion fund loaned the Local Replacement fund \$5 million to cover the cost of a large critical project, to be repaid over six years (ending in Fiscal Year 2024). This loan was repaid early in Fiscal Year 2023 given the healthy working capital.

Working Capital

The estimated beginning working capital for Fiscal Year 2024 is \$4.8 million. This reflects the roughly \$2 million transfer in Fiscal Year 2023 from the Regional Replacement fund as part of the 7th Supplemental Agreement to the Agreement for Wastewater Disposal Services with the City of Pleasanton to reclassify a portion of the Dublin Trunk Sewer Line as a Regional asset. The fund’s working capital remains above the minimum reserve target for the entire ten-year planning period. In Fiscal Years 2025 through 2028, several pipeline replacement and rehabilitation projects are planned, causing a decrease in working capital until Fiscal Year 2029. Thereafter, working capital climbs steadily to \$13.8 million in Fiscal Year 2033. With an anticipated increase in inspection activity and a planned condition assessment of large diameter sewer lines in Fiscal Year 2024, new projects will likely be identified which will reduce that peak.

Table 2 – Local Wastewater Replacement Revenue, Expenditures, & Working Capital (\$1,000’s)

Fiscal Year	DUEs	Capacity Reserve Fees	Interest	Replacement Allocation	CIP Expenditures	Working Capital
2024	204	\$540	\$82	\$800	\$939	\$5,254
2025	454	\$1,237	\$82	\$800	\$2,129	\$5,244
2026	663	\$1,861	\$128	\$800	\$1,516	\$6,517
2027	842	\$2,435	\$123	\$800	\$3,619	\$6,256
2028	306	\$911	\$103	\$1,200	\$3,197	\$5,274
2029	306	\$939	\$113	\$1,200	\$1,760	\$5,766
2030	306	\$967	\$150	\$1,200	\$421	\$7,662
2031	306	\$996	\$189	\$1,200	\$421	\$9,626
2032	306	\$1,026	\$229	\$1,200	\$421	\$11,660
2033	306	\$1,057	\$270	\$1,200	\$421	\$13,766

Figure 8 – Local Wastewater Replacement Fund Working Capital

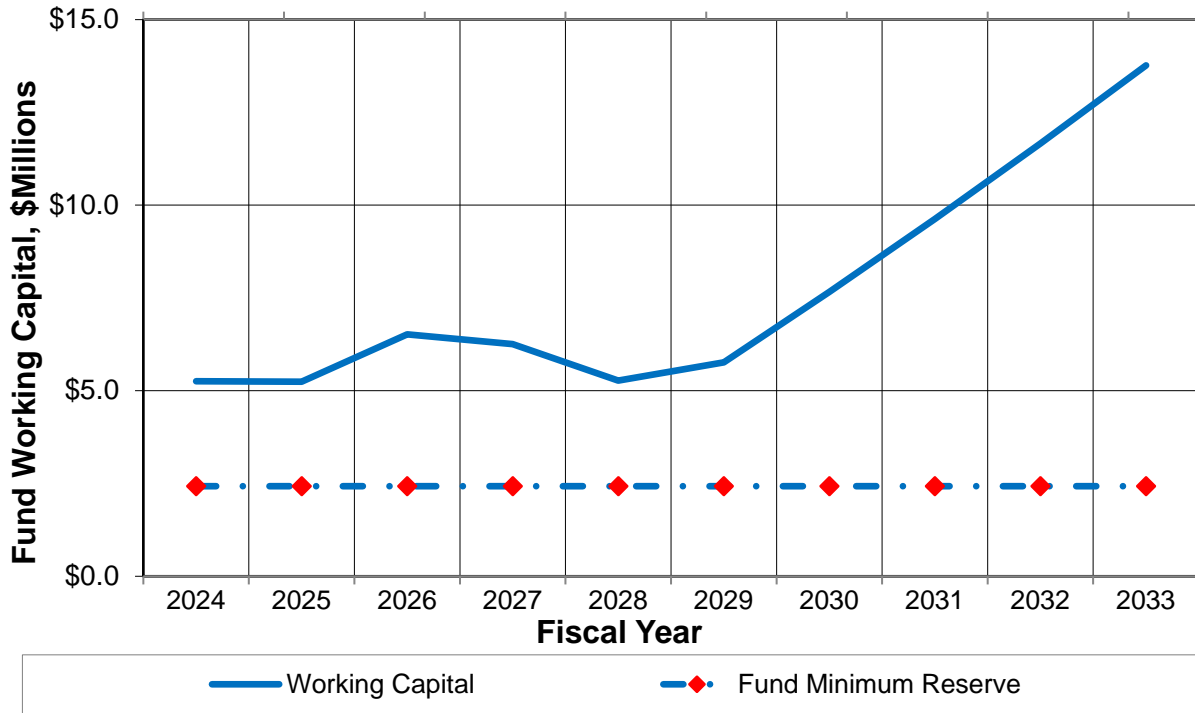
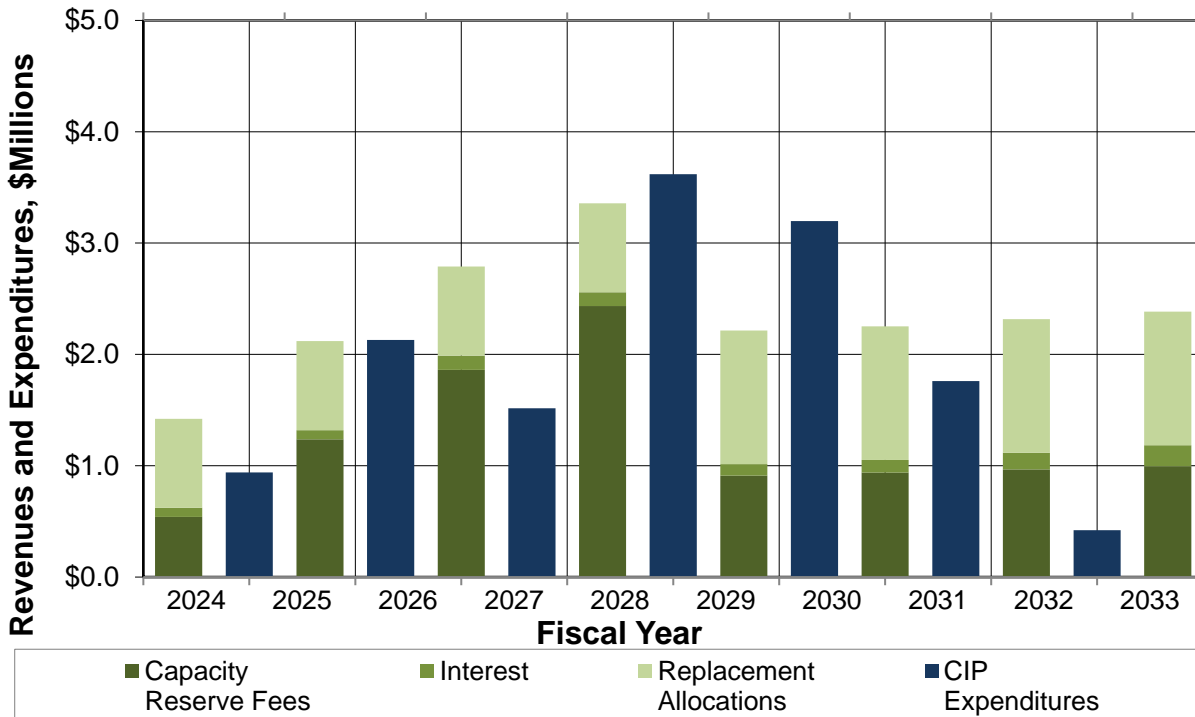


Figure 9 – Local Wastewater Replacement Fund Revenue & Expenditures



Local Wastewater Expansion (Fund 220)

The Local Wastewater Expansion fund (Fund 220) funds projects which expand or add local sewer facilities to accommodate increased wastewater flows from new development. The fund minimum reserve is the greater of two years debt service or the next two years of project expenditures.

Revenue & Expenditures

The fund’s revenue includes capacity reserve fees and interest. In the Two-Year Budget, the capacity reserve fee revenue represents 15 percent of the total revenue, while interest revenue (85 percent) makes up the remainder. Capacity Reserve Fee revenue is based on the most recent development projections and the current fee increased 3 percent annually.

CIP expenditures are the sole expenditure for the fund, which are shown in more detail in Table 9 in the following section. Project expenditures include various pipeline projects identified by the 2019 Sewer Collection System Master Plan to upsize pipelines as a result of development. The primary project in the near-term is the Dublin Boulevard – Amador Plaza Road to Village Parkway (20-S014) in Fiscal Year 2025.

Working Capital

The estimated beginning working capital for Fiscal Year 2024 is \$9 million. This fund is well established, remaining above the fund minimum target for the entire planning period. Note the fund minimum reserve level is zero in several years. The reduction in working capital after Fiscal Year 2032 is due to the Village Parkway – South of Dublin Boulevard (T20-06) project, estimated to cost \$2,832,000.

Table 3 – Local Wastewater Collection Expansion Revenue, Expenditures, & Working Capital (\$1,000’s)

Fiscal Year	DUEs	Capacity Reserve Fees	Interest	CIP Expenditures	Working Capital
2024	204	\$17	\$164	\$156	\$8,975
2025	454	\$38	\$164	\$171	\$9,005
2026	663	\$57	\$162	\$978	\$8,247
2027	842	\$75	\$166	\$ -	\$8,488
2028	306	\$28	\$163	\$363	\$8,316
2029	306	\$29	\$133	\$1,715	\$6,763
2030	306	\$30	\$136	\$ -	\$6,928
2031	306	\$31	\$134	\$275	\$6,817
2032	306	\$32	\$86	\$2,557	\$4,378
2033	306	\$32	\$88	\$ -	\$4,498

Figure 10 – Local Wastewater Expansion Fund Working Capital

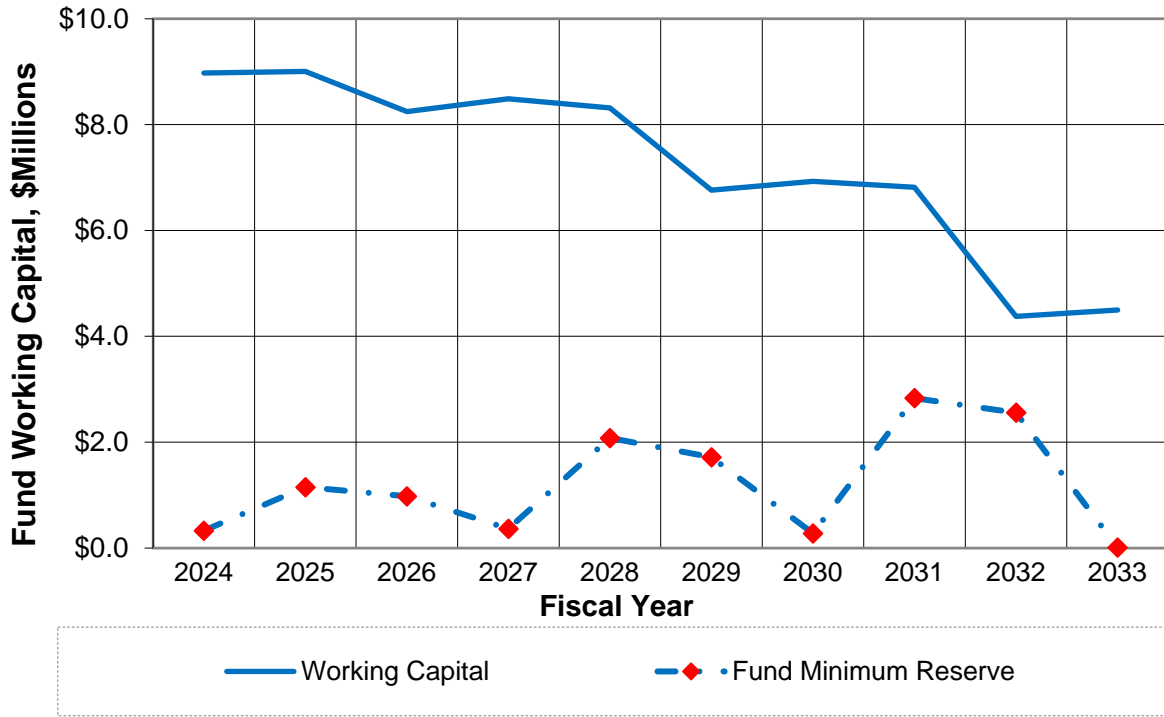
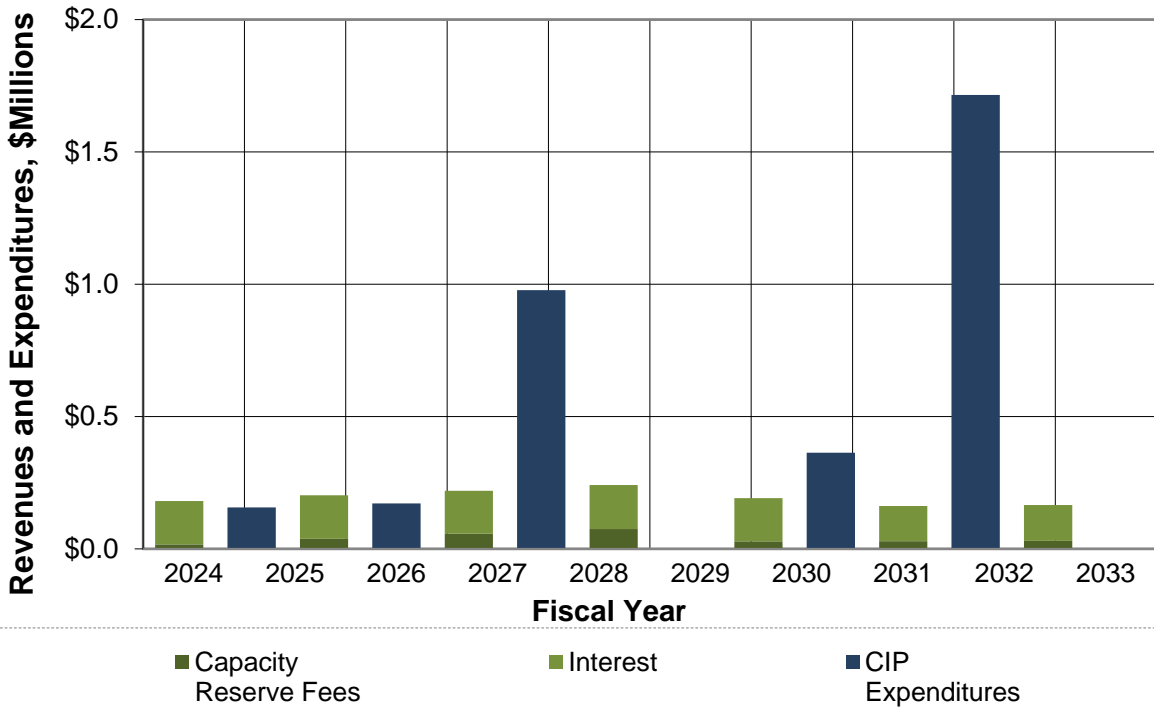


Figure 11 – Local Wastewater Expansion Fund Revenue & Expenditures



Regional Wastewater Treatment Replacement (Fund 310)

The Regional Wastewater Replacement fund (Fund 310) funds projects which replace and improve the existing Regional Wastewater Treatment Plant processes and facilities. The fund minimum reserve is twice the average annual expense of the fifteen-year CIP.

Revenue & Expenditures

The fund’s revenue includes the existing infrastructure buy-in component of capacity reserve fees, interest, and the replacement allocation from the Regional Enterprise fund. In the Two-Year Budget, half of the revenue comes from replacement allocation, while 37 percent comes from capacity reserve fees. The revenue from the Capacity Reserve Fee buy-in is based on the most recent development projections and the current fee increased 3 percent annually.

All CIP expenditures in the fund are shown in more detail in Table 10 in the following section. The other expense to this fund is the District’s contribution to the LAVWMA repair and replacement fund, which funds LAVWMA capital projects. The CIP near-term expenditures are primarily the fund’s share of the Hypochlorite Building Replacement, Biogas Treatment System Improvements, and SCADA Improvements projects. The WWTP Replacement and Rehabilitation Program represents considerable expenditures in this fund increasing from \$750,000 in 2024 to \$2,300,000 in 2030. The Nutrient Removal project has been moved outside of the ten-year plan. This project will account for potential process improvements required to meet the San Francisco Bay Nutrients Watershed Permit. The required projects will likely change based on a new nutrient watershed permit anticipated to be issued by the San Francisco Bay Regional Water Quality Control Board in 2024.

Working Capital

The estimated beginning working capital for Fiscal Year 2024 is \$36.3 million. This reflects the roughly \$2 million transfer in Fiscal Year 2023 to the Local Replacement fund as part of the 7th Supplemental Agreement to the Agreement for Wastewater Disposal Services with the City of Pleasanton to reclassify a portion of the Dublin Trunk Sewer Line as a Regional asset. There is a spike in the expenditures and a related reduction of working capital beginning in Fiscal Year 2028 due to the Cogeneration Engine Replacement project (\$33.5 million over 4 years). This project, which may be appropriate to debt finance given the cost impact, will largely depend on the final results of the Energy Facilities Master Plan, but has been included based on preliminary Board direction. Replacement allocation amounts will need to be reviewed over the next several years to ensure the fund has a healthy working capital balance.

Table 4 – Regional Wastewater Replacement Revenue, Expenditures, & Working Capital (\$1,000’s)

Fiscal Year	DUEs	Capacity Reserve Fees	Interest	Replacement Allocation	CIP Expenditures	Contribution to JPA	Working Capital
2024	304	\$1,358	\$720	\$2,400	\$11,267	\$280	\$29,238
2025	554	\$2,539	\$255	\$2,700	\$15,298	\$280	\$19,619
2026	963	\$4,526	\$248	\$3,000	\$6,900	\$280	\$20,351
2027	1142	\$5,528	\$190	\$3,300	\$6,755	\$294	\$22,337
2028	704	\$3,510	\$202	\$3,700	\$10,105	\$308	\$19,500
2029	704	\$3,615	\$229	\$4,100	\$12,343	\$324	\$14,824
2030	704	\$3,724	\$228	\$4,500	\$13,108	\$340	\$9,774
2031	704	\$3,836	\$223	\$4,500	\$12,388	\$357	\$5,455
2032	704	\$3,951	\$170	\$4,500	\$2,568	\$375	\$11,163
2033	704	\$4,069	\$103	\$4,500	\$2,568	\$393	\$17,086

Figure 12 – Regional Wastewater Treatment Replacement Fund Working Capital

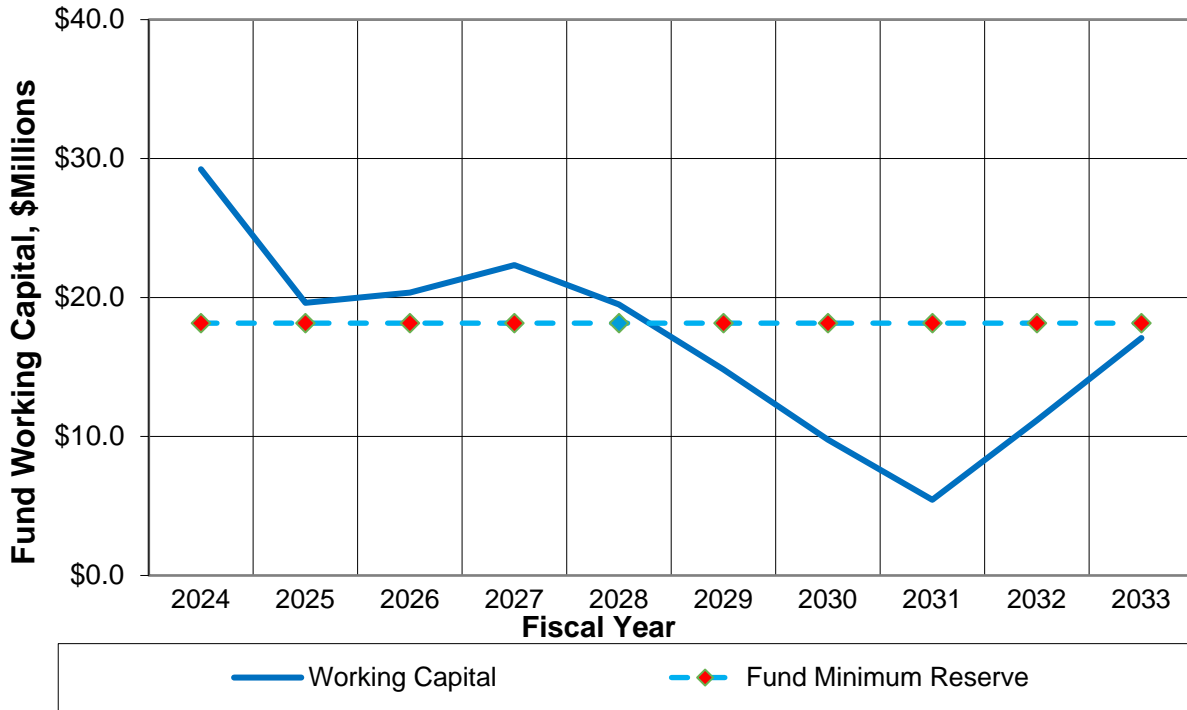
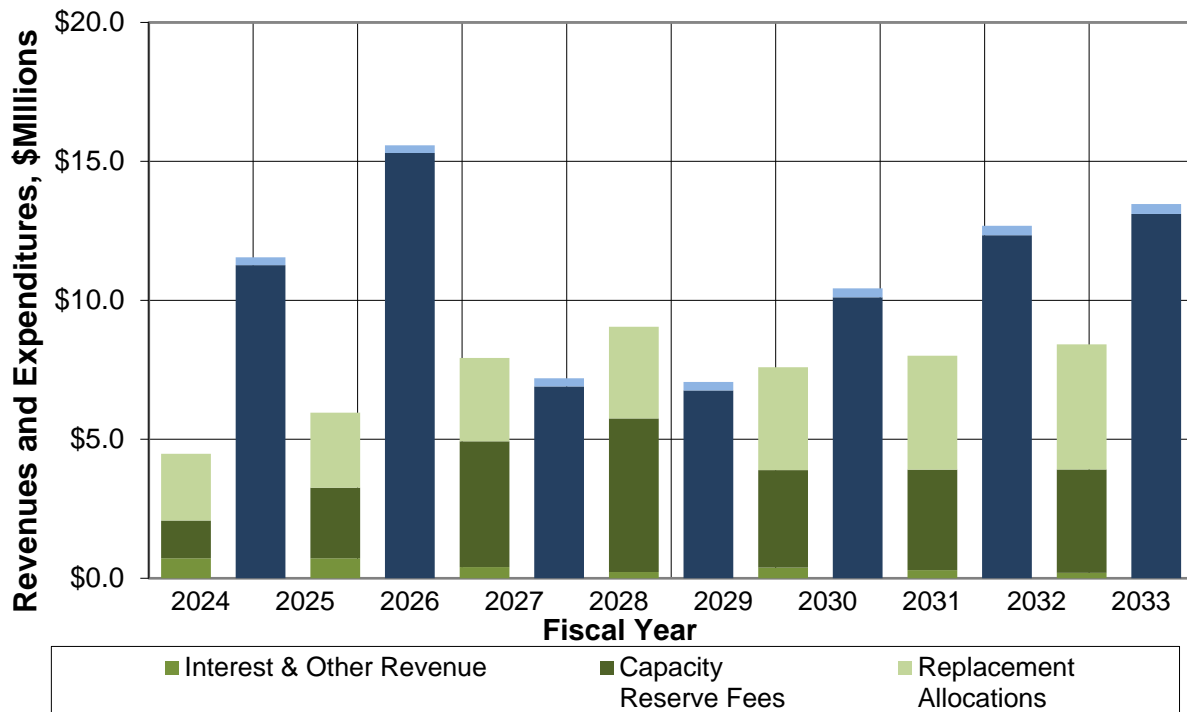


Figure 13 – Regional Wastewater Treatment Replacement Fund Revenue & Expenditures



Regional Wastewater Expansion (Fund 320)

The Regional Wastewater Replacement fund (Fund 320) funds projects which expand or add to the wastewater treatment process to accommodate future wastewater flows, ultimately conveyed through the LAVWMA pipeline to the San Francisco Bay for disposal. The fund minimum reserve is the greater of two years debt service or the next two years of project expenditures.

Revenue & Expenditures

The fund’s revenue sources include capacity reserve fees and interest. In the Two-Year Budget, the capacity reserve fee revenue comprises 85 percent of the revenue for the fund. The revenue from the Capacity Reserve Fee is based on the most recent development projections and the current fee increased 3 percent annually.

The two expenditure types for the fund include CIP expenditures and debt service. The CIP near-term expenditures include the fund’s contribution to the Biogas Treatment System Improvements project. The other significant project is the first phase of the Biosolids Dewatering project which includes \$26.8 million in expenditures from 2025 to 2029. All CIP expenditures are shown in more detail in Table 11 in the following section. The LAVWMA debt service for this fund is approximately \$3.5 million annually, ending in Fiscal Year 2031.

Working Capital

The estimated beginning working capital for Fiscal Year 2024 is \$43.8 million. The projected working capital in Fiscal Year 2033, approximately \$60 million, will be needed to fund future anticipated projects, including Nutrient Removal, the Regional Dublin Trunk Relief Sewer project, and Emergency Power for Distribution Panel D. The working capital will also need to cover the remaining LAVWMA debt payment.

Table 5 – Regional Wastewater Treatment Expansion Revenue, Expenditures, & Working Capital (\$1,000’s)

Fiscal Year	DUEs	Capacity Reserve Fees	Interest	CIP Expenditures	Debt Service	Working Capital
2024	304	\$3,334	\$890	\$418	\$3,583	\$43,998
2025	554	\$6,130	\$890	\$1,343	\$3,581	\$46,094
2026	963	\$10,742	\$1,021	\$2,228	\$3,581	\$52,048
2027	1142	\$12,915	\$1,117	\$5,514	\$3,581	\$56,983
2028	704	\$8,073	\$985	\$12,236	\$3,582	\$50,224
2029	704	\$8,188	\$950	\$7,345	\$3,581	\$48,437
2030	704	\$8,306	\$1,048	\$ -	\$3,581	\$53,465
2031	704	\$8,428	\$956	\$10,500	\$4,326	\$48,769
2032	704	\$8,554	\$1,092	\$2,700	\$3,580	\$55,715
2033	704	\$8,683	\$1,180	\$5,400	\$-	\$60,178

Figure 14 – Regional Wastewater Treatment Expansion Fund Working Capital

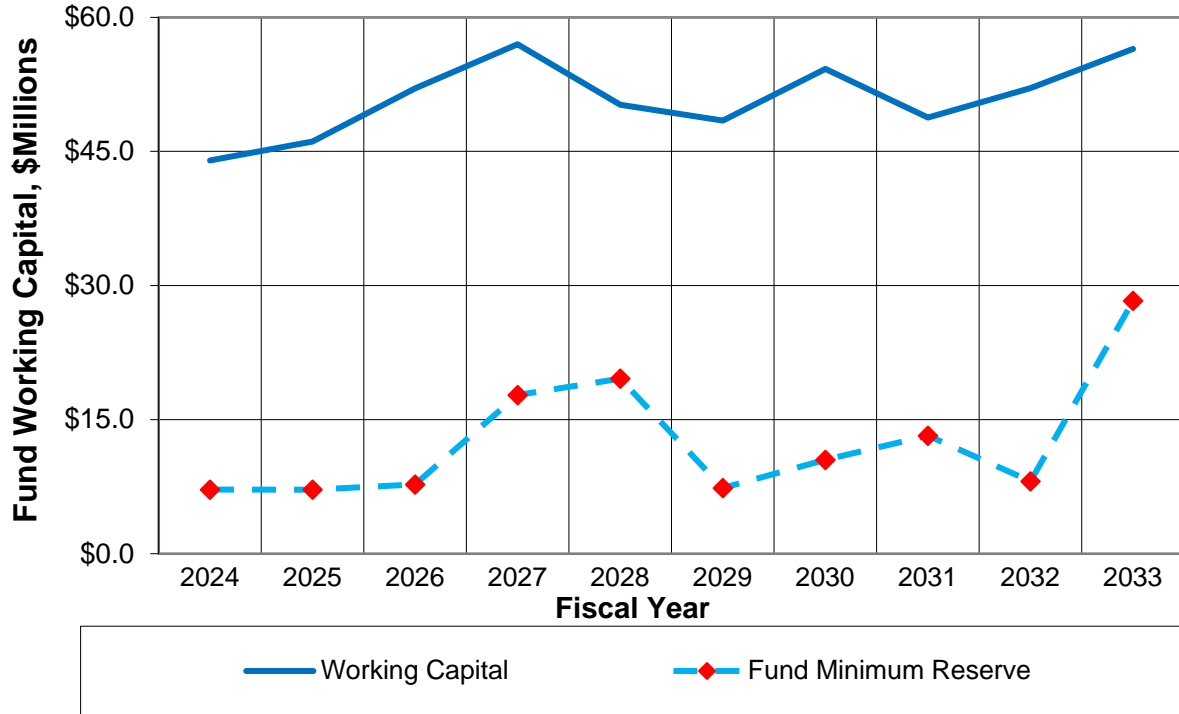
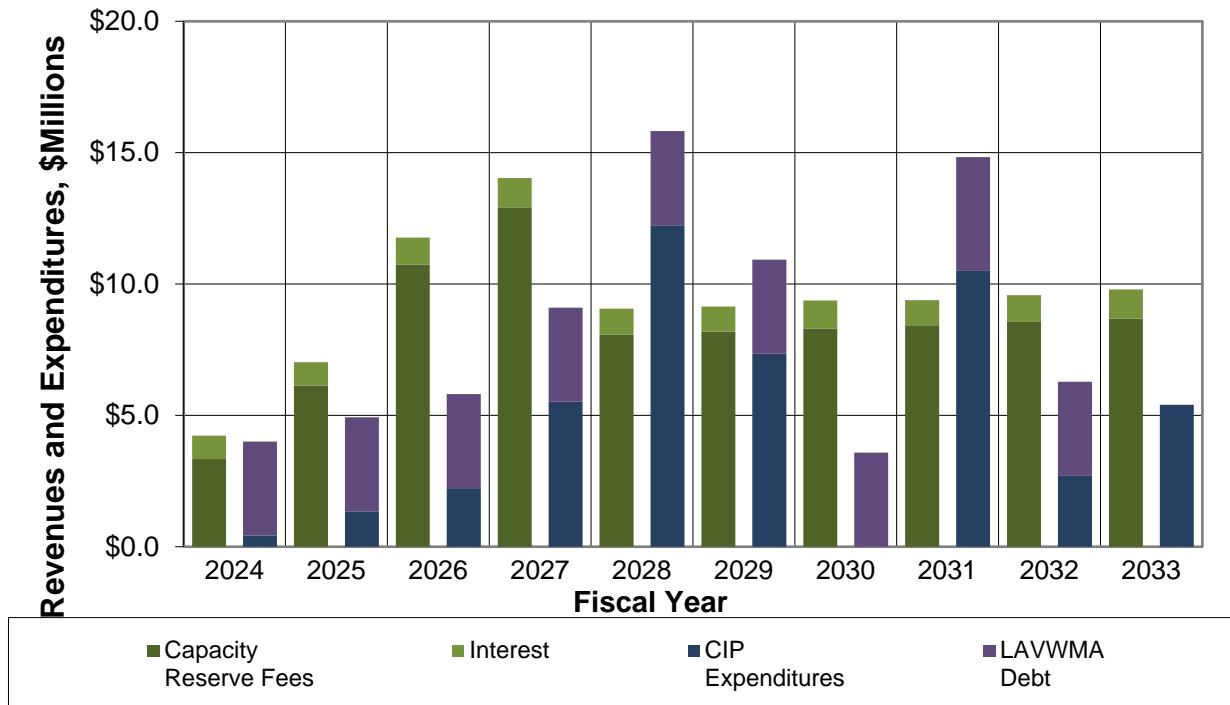


Figure 15 – Regional Wastewater Treatment Expansion Fund Revenue & Expenditures



Water Replacement (Fund 610)

The Water Replacement fund (Fund 610) funds projects which replace and improve facilities to treat recycled water, as well as the pipelines, pump stations, reservoirs, and related appurtenances to distribute potable water (from the Zone 7 turnouts to the customers) and recycled water (from the Dublin San Ramon Services District - East Bay Municipal Utility District Recycled Water Agency (DERWA) transmission system to recycled customers). The fund minimum reserve is twice the average annual expense of the fifteen-year CIP.

Revenue & Expenditures

The fund’s revenue includes the existing infrastructure buy-in component of capacity reserve fees, interest, and the replacement allocation from the Water Enterprise fund. In the Two-Year Budget, just under two-thirds of the fund’s revenue comes from replacement allocation, while the remaining third comes from the existing infrastructure buy-in component of the capacity reserve fee. Interest in the fund is about 6% of the total revenue. The revenue from the Capacity Reserve Fee is based on the most recent development projections and the current fee increased 3 percent annually.

CIP expenditures and contributions to DERWA are the two expenditure types for the fund. Near term pipeline replacement projects include the Tassajara Road Main Replacement and the Water Line Replacement in the Wineberry and Canterbury Area. The Long-Term Water Resiliency Program, budgeted at \$30 million in this fund, comprises a large share of the total CIP expenditures, as well as the Water System Replacement and Rehabilitation Program. All CIP expenditures are shown in more detail in Table 12 in the following section.

Working Capital

The estimated beginning working capital for Fiscal Year 2024 is \$32 million. While this fund is projected to spend \$30 million on alternative water supplies beginning in Fiscal Year 2028, per discussions with the Board of Directors, this project may be debt funded. The working capital in this fund remains above the reserve target for the entire planning period, but will need to address future expenditures beyond the next ten years. The estimated working capital in the fund will be \$27.8 million in Fiscal Year 2033, but future expenditures in the Water System Replacement and Rehabilitation Program and Reservoir Recoating Program will reduce the working capital in future years.

Table 6 – Water System Replacement Revenue, Expenditures, & Working Capital (\$1,000’s)

Fiscal Year	DUEs	Capacity Reserve Fees	Interest	Replacement Allocation	CIP Expenditures	Contribution to JPA	Working Capital
2024	301	\$2,131	\$580	\$6,390	\$9,900	\$518	\$30,699
2025	653	\$4,761	\$580	\$6,500	\$11,790	\$242	\$30,507
2026	949	\$7,126	\$560	\$6,610	\$16,365	\$-	\$28,437
2027	1159	\$8,964	\$642	\$6,720	\$12,132	\$-	\$32,629
2028	414	\$3,298	\$673	\$6,830	\$9,207	\$-	\$34,221
2029	414	\$3,397	\$665	\$6,940	\$11,402	\$-	\$33,820
2030	414	\$3,499	\$715	\$7,050	\$8,752	\$-	\$36,330
2031	414	\$3,604	\$768	\$7,160	\$8,827	\$-	\$39,032
2032	414	\$3,712	\$757	\$7,270	\$12,277	\$-	\$38,493
2033	414	\$3,823	\$564	\$7,380	\$21,627	\$-	\$28,631

Figure 16 – Water Replacement Fund Working Capital

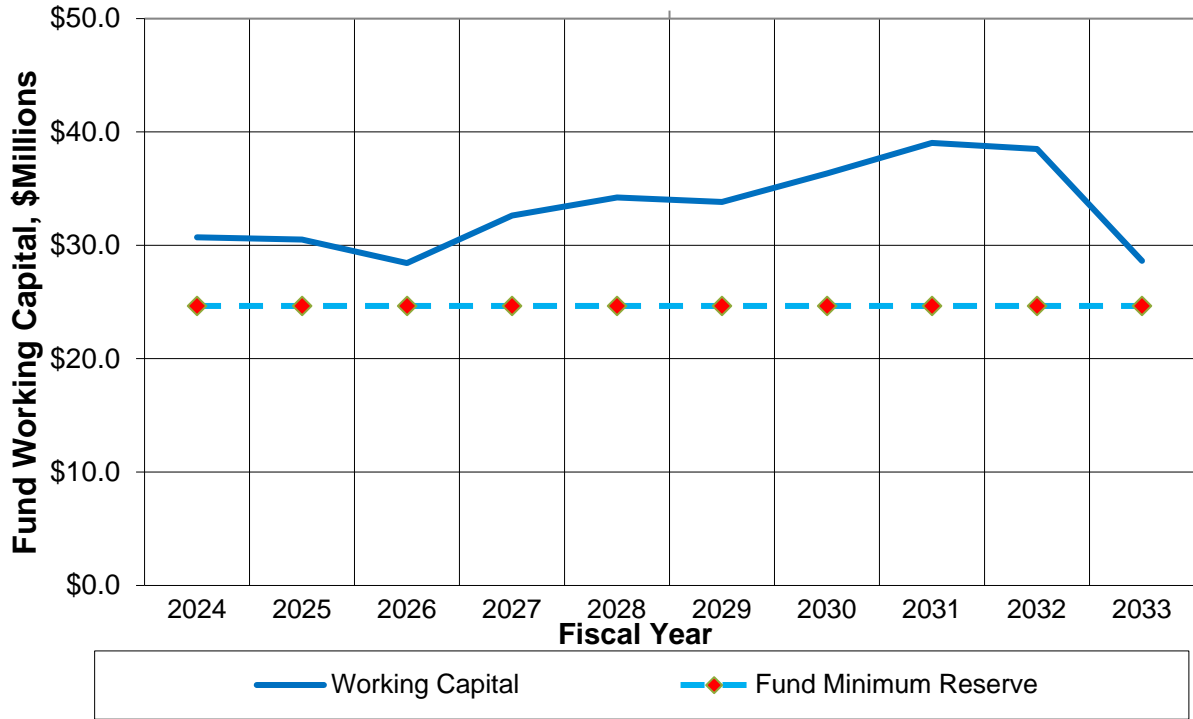
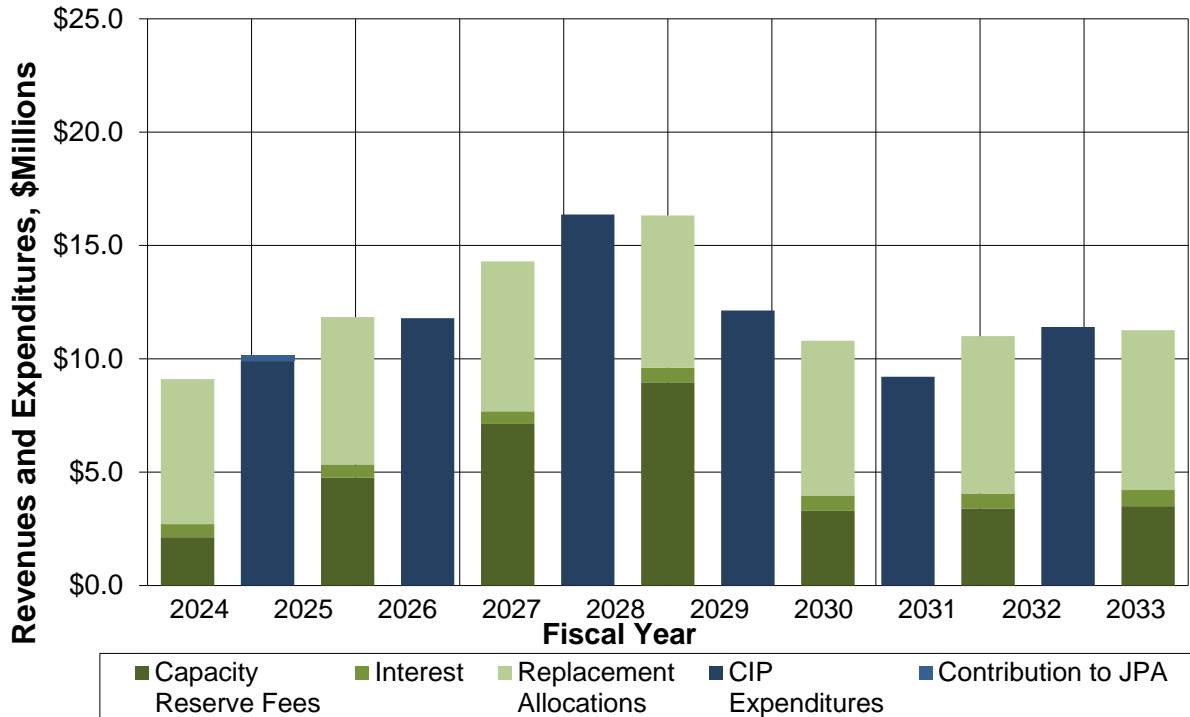


Figure 17 – Water Replacement Fund Revenue & Expenditures



Water Expansion (Fund 620)

The Water Expansion fund (Fund 620) funds projects which expand or add facilities to treat recycled water and to distribute potable and recycled water. The fund minimum reserve is the greater of two years debt service or the next two years of project expenditures.

Revenue & Expenditures

The fund's revenue sources include capacity reserve fees and interest. In the Two-Year Budget, the capacity reserve fee revenue comprises just over 80 percent of the revenue for the fund. The revenue from the Capacity Reserve Fee is based on the most recent development projections and the current fee increased 3 percent annually.

CIP expenditures and debt service are the primary expense types in the fund. The primary, near-term CIP expenditures include the construction of Reservoir 10A and Reservoir 20B for a combined total project cost of over \$27 million. Other large projects include the construction of Turnout 6 and the fund's share of the Long-Term Water Resiliency Program. All CIP expenditures are shown in more detail in Table 13 in the following section. The fund is also responsible for the debt service for 2018 refinanced water bond repayment, through 2042 and the DERWA Loan, through 2027.

Working Capital

The estimated beginning working capital for Fiscal Year 2024 is \$52 million. This fund is reliant upon development related fees, and in the event of a downturn in the economy, all projects will be evaluated and deferred if necessary. Staff is closely monitoring the development revenue to ensure a healthy fund balance in the fund. Working capital remains above fund minimum reserve target for the entire planning period.

Table 7 – Water System Expansion Revenue, Expenditures, & Working Capital (\$1,000's)

Fiscal Year	DUEs	Capacity Reserve Fees	Interest	CIP Expenditures	Debt Service	Contribution to JPA	Working Capital
2024	301	\$2,606	\$1,000	\$2,693	\$2,726	\$252	\$49,941
2025	653	\$5,802	\$1,000	\$15,315	\$2,723	\$-	\$38,705
2026	949	\$8,655	\$673	\$11,258	\$2,211	\$-	\$34,558
2027	1159	\$10,850	\$616	\$12,132	\$1,877	\$-	\$32,010
2028	414	\$3,979	\$671	\$470	\$1,875	\$-	\$34,310
2029	414	\$4,085	\$682	\$2,674	\$2,306	\$-	\$34,092
2030	414	\$4,085	\$724	\$375	\$2,587	\$-	\$35,934
2031	414	\$4,085	\$747	\$625	\$2,577	\$-	\$37,559
2032	414	\$4,085	\$774	\$625	\$2,579	\$-	\$39,208
2033	414	\$4,085	\$758	\$3,125	\$2,578	\$-	\$38,342

Figure 18 – Water Expansion Fund Working Capital

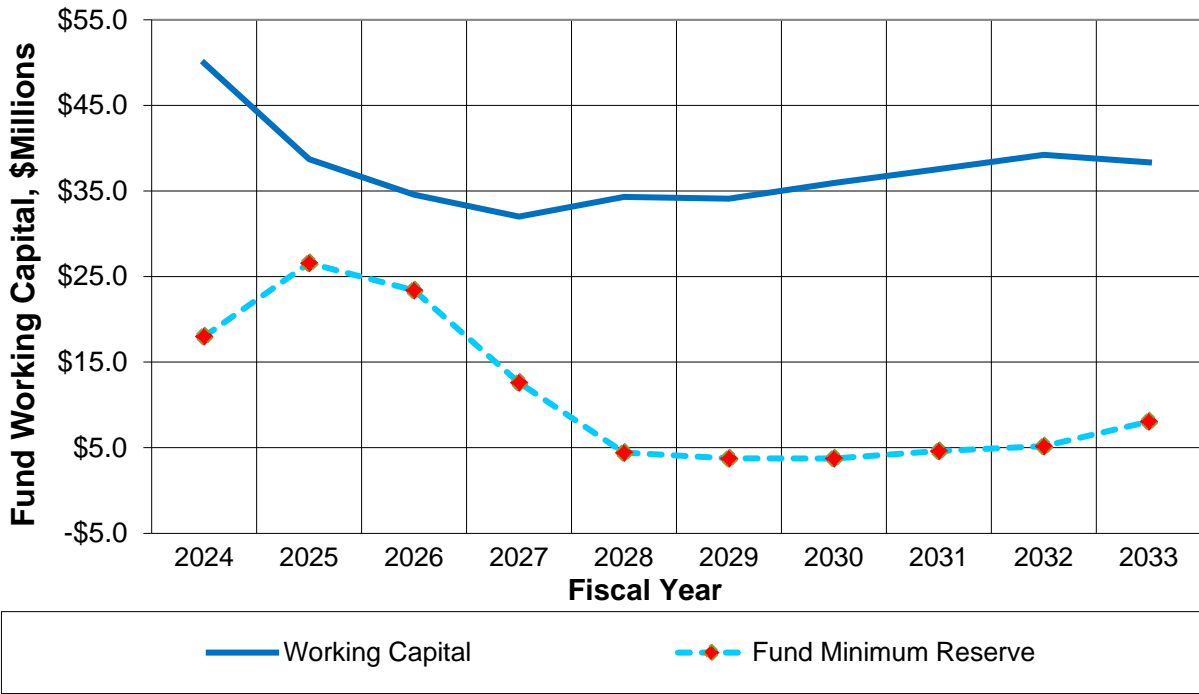
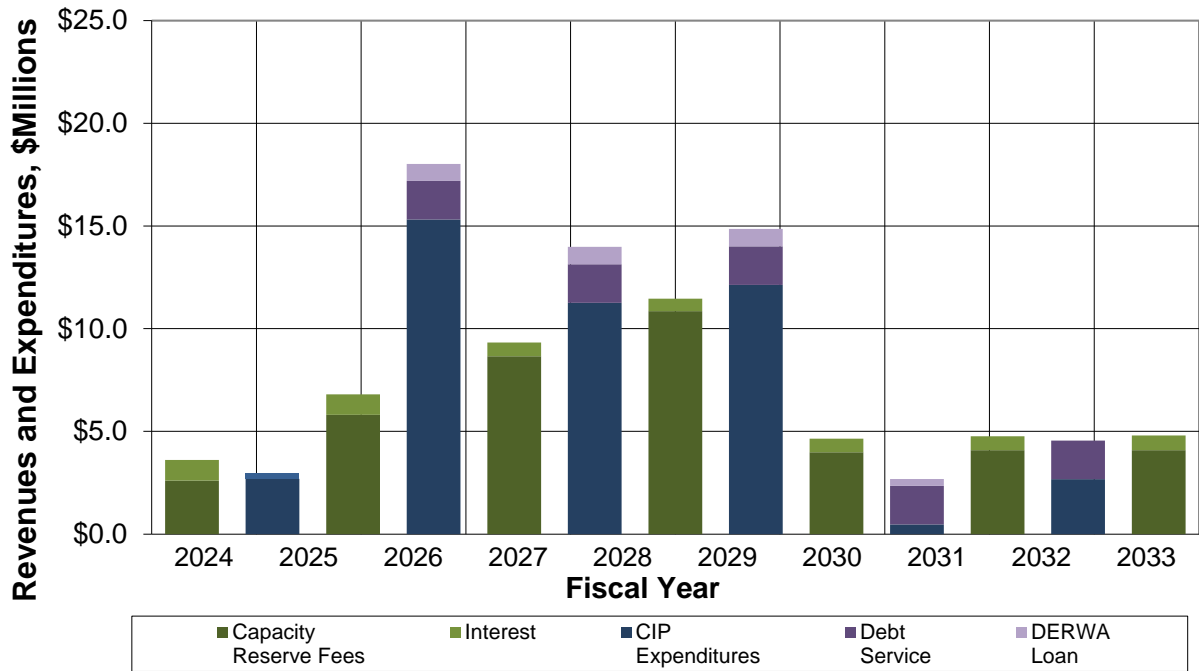


Figure 19 – Water Expansion Fund Revenue & Expenditures



Project Expenditures by Fund

The following tables present CIP Project expenditures by fund. The amounts shown are the District’s costs, net of any grants or other funding. The tables illustrate the portion of estimated cash flow allocated to each fund. When a project is funded by multiple funds, it will appear multiple times, at the appropriate allocated percentage. Expenditures in the “Future” columns include the estimate of expenditures for the next five years beyond the ten-year planning period.

Table 8 – Local Replacement (Fund 210)

Table 9 – Local Expansion (Fund 220)

Table 10 – Regional Replacement (Fund 310)

Table 11 – Regional Expansion (Fund 320)

Table 12 – Water Replacement (Fund 610)

Table 13 – Water Expansion (Fund 610)

CIP 10-Year Plan for Fiscal Years Ending 2024 through 2033

Portion of Estimated Cashflow Allocated to Local Wastewater Replacement (Fund 210)

*Amounts shown are District costs net of grants and other fundings

CIP No.	Project Name	210 Split	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	Future	Total
General														
24-A021	Information Technology Master Plan	11%	16,500	0	0	0	0	0	0	0	0	0	0	16,500
00-A003	Street Overlay Modification PROGRAM	50%	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	400,000	1,200,000
00-A004	Fleet Assets PROGRAM	20%	240,000	64,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	300,000	1,084,000
00-A005	Facilities Asset Replacement PROGRAM	2%	5,000	5,000	8,600	8,600	8,600	8,600	8,600	8,600	8,600	8,600	43,000	121,800
00-A006	Information Systems Replacement PROGRAM	11%	62,700	61,600	49,500	22,000	77,000	22,000	22,000	22,000	22,000	22,000	110,000	492,800
22-A005	District Office Backup Generator Replacement	12%	0	0	26,817	87,000	0	0	0	0	0	0	0	113,817
20-A029	District Office Accessibility Improvements	10%	0	0	0	0	73,025	0	0	0	0	0	0	73,025
T20-13	Gleason Drive Property Planning Study	10%	0	0	0	0	0	0	0	0	0	0	20,000	20,000
Regional Wastewater Treatment														
22-P009	Energy Facilities Master Plan	1%	8,421	0	0	0	0	0	0	0	0	0	0	8,421
Wastewater Collection														
14-S001	Camp Parks Sewer Rehabilitation Project - Goodfellow Ave North of 8th Street	100%	150,000	1,300,000	0	0	0	0	0	0	0	0	0	1,450,000
22-S008	Sewer Collection System Evaluation and Spot Repair	100%	50,000	250,000	0	0	0	0	0	0	0	0	0	300,000
24-S007	Wastewater Collection System Master Plan Update 2025	75%	168,750	168,750	337,500	0	0	0	0	0	0	0	0	675,000
00-S020	Wastewater Collection System Replacement and Rehabilitation PROGRAM	100%	150,000	150,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	2,500,000	4,800,000
24-S020	Large Diameter Sewer Condition Assessment	100%	0	50,000	100,000	0	0	0	0	0	0	0	0	150,000
14-S002	Camp Parks Sewer Rehabilitation Project - 8th to 10th Streets	100%	0	0	440,000	2,100,000	0	0	0	0	0	0	0	2,540,000
18-S007	Alcosta Blvd Sewer Replacement	100%	0	0	163,250	686,375	0	0	0	0	0	0	0	849,625
18-S006	San Ramon Golf Course 24" Trunk Sewer Rehabilitation	100%	0	0	0	130,000	495,000	0	0	0	0	0	0	625,000
T16-50	Iron Horse Trail Sewer Replacement	100%	0	0	0	195,000	935,000	0	0	0	0	0	0	1,130,000

Portion of Estimated Cashflow Allocated to Local Wastewater Replacement (Fund 210)

**Amounts shown are District costs net of grants and other fundings*

CIP No.	Project Name	210 Split	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	Future	Total
08-2101	Donohue Dr/Vomac Rd Relief Sewer	100%	0	0	0	0	1,018,100	789,250	0	0	0	0	0	1,807,350
T20-05	Dublin Court and Dublin Boulevard Sewer Replacement	100%	0	0	0	0	200,000	550,000	0	0	0	0	0	750,000
Water System														
22-A004	Manhole and Valve Adjustments - City of Dublin FY24	15%	7,800	0	0	0	0	0	0	0	0	0	0	7,800
			939,171	2,129,350	1,515,667	3,618,975	3,196,725	1,759,850	420,600	420,600	420,600	420,600	3,373,000	18,215,138

CIP 10-Year Plan for Fiscal Years Ending 2024 through 2033

Portion of Estimated Cashflow Allocated to Local Wastewater Expansion (Fund 220)

**Amounts shown are District costs net of grants and other fundings*

CIP No.	Project Name	220 Split	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	Future	Total
General														
T20-13	Gleason Drive Property Planning Study	5%	0	0	0	0	0	0	0	0	0	0	10,000	10,000
Wastewater Collection														
20-S014	Dublin Boulevard - Amador Plaza Road to Village Parkway Relief Sewer	100%	100,000	115,000	865,000	0	0	0	0	0	0	0	0	1,080,000
24-S007	Wastewater Collection System Master Plan Update 2025	25%	56,250	56,250	112,500	0	0	0	0	0	0	0	0	225,000
20-S028	Dublin Boulevard Extension Sewer Facilities	100%	0	0	0	0	188,000	1,215,000	0	0	0	0	0	1,403,000
T20-04	Dublin Boulevard - Clark Avenue to Sierra Court Relief Sewer	100%	0	0	0	0	175,000	500,000	0	0	0	0	0	675,000
T20-06	Village Parkway - South of Dublin Boulevard Relief Sewer	100%	0	0	0	0	0	0	0	275,000	2,557,000	0	0	2,832,000
			156,250	171,250	977,500	0	363,000	1,715,000	0	275,000	2,557,000	0	10,000	6,225,000

CIP 10-Year Plan for Fiscal Years Ending 2024 through 2033

Portion of Estimated Cashflow Allocated to Regional Wastewater Replacement (Fund 310)

*Amounts shown are District costs net of grants and other fundings

CIP No.	Project Name	310 Split	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	Future	Total
General														
24-A021	Information Technology Master Plan	47%	70,500	0	0	0	0	0	0	0	0	0	0	70,500
00-A004	Fleet Assets PROGRAM	30%	360,000	96,000	90,000	90,000	90,000	90,000	90,000	90,000	90,000	90,000	450,000	1,626,000
00-A005	Facilities Asset Replacement PROGRAM	66%	165,000	165,000	283,800	283,800	283,800	283,800	283,800	283,800	283,800	283,800	1,419,000	4,019,400
00-A006	Information Systems Replacement PROGRAM	47%	267,900	263,200	211,500	94,000	329,000	94,000	94,000	94,000	94,000	94,000	470,000	2,105,600
22-A005	District Office Backup Generator Replacement	50%	0	0	111,738	362,500	0	0	0	0	0	0	0	474,238
20-A029	District Office Accessibility Improvements	53%	0	0	0	0	387,033	0	0	0	0	0	0	387,033
Joint Powers Authority														
23-L002	LAVWMA Flow Meter Replacements	100%	0	0	0	0	0	0	0	0	0	0	0	0
23-L005	LAVWMA San Leandro Sample Station Design Improvements	100%	0	0	0	0	0	0	0	0	0	0	0	0
23-L010	LAVWMA Pump and Motor Rebuild	100%	0	0	0	0	0	0	0	0	0	0	0	0
23-L011	LAVWMA Pipeline Inspection	100%	0	0	0	0	0	0	0	0	0	0	0	0
23-L013	LAVWMA Pump Station Valve Actuator Replacements	100%	0	0	0	0	0	0	0	0	0	0	0	0
24-L023	LAVWMA SCADA Replacement	100%	0	0	0	0	0	0	0	0	0	0	0	0
24-L024	LAVWMA Cathodic Protection Improvements	100%	0	0	0	0	0	0	0	0	0	0	0	0
24-L025	LAVWMA Livermore Pipeline Rehabilitation - Station 226+00 to Station 232+00	100%	0	0	0	0	0	0	0	0	0	0	0	0
24-L026	LAVWMA Export Pipeline Air Entrapment Assessment	100%	0	0	0	0	0	0	0	0	0	0	0	0
24-L027	LAVWMA Pump Station Backup Power Improvements	100%	0	0	0	0	0	0	0	0	0	0	0	0
Regional Wastewater Treatment														
05-3206	WWTP SCADA Improvements	100%	700,800	6,459,200	0	0	0	0	0	0	0	0	0	7,160,000
16-P024	WWTP Fire Alarm System Upgrades	100%	332,100	392,900	0	0	0	0	0	0	0	0	0	725,000

Portion of Estimated Cashflow Allocated to Regional Wastewater Replacement (Fund 310)

*Amounts shown are District costs net of grants and other fundings

CIP No.	Project Name	310 Split	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	Future	Total
16-P028	Biogas Treatment System Improvements	33%	77,880	515,790	0	0	0	0	0	0	0	0	0	593,670
17-P004	Primary Sedimentation Expansion and Improvements	15%	15,000	0	0	0	0	0	0	0	0	0	0	15,000
18-P010	Biogas Flare Improvements	100%	2,543,500	877,000	0	0	0	0	0	0	0	0	0	3,420,500
18-P016	Alum Addition	75%	71,250	0	0	0	0	0	0	0	0	0	0	71,250
19-P003	WWTP Fencing and Security - Phase 2	100%	300,000	1,510,000	0	0	0	0	0	0	0	0	0	1,810,000
21-P009	East Amador Lift Station Rehabilitation	100%	600,000	0	0	0	0	0	0	0	0	0	0	600,000
22-P009	Energy Facilities Master Plan	64%	538,965	0	0	0	0	0	0	0	0	0	0	538,965
22-P021	Hypochlorite Building Replacement	100%	2,899,000	2,569,000	0	0	0	0	0	0	0	0	0	5,468,000
23-P006	Johnson Drive Economic Development Zone Improvements	100%	65,000	0	0	0	0	0	0	0	0	0	0	65,000
23-P015	Heat Exchanger Replacement at Anaerobic Digester Nos. 1 and 2	100%	75,000	0	0	0	0	0	0	0	0	0	0	75,000
14-P005	Wet Weather Flow Capacity	85%	521,900	212,500	0	0	0	0	0	0	0	0	0	734,400
24-P001	WWTP Sluice/Slide Gate Replacements	100%	105,000	105,000	105,000	105,000	105,000	0	0	0	0	0	0	525,000
24-P002	Cogeneration System Improvement and Upgrades	100%	550,000	470,000	470,000	0	0	0	0	0	0	0	0	1,490,000
24-P003	Sewer Loading Study	100%	98,000	97,000	0	0	0	0	0	0	0	0	0	195,000
24-P004	WWTP Building B Cable Bus	100%	160,000	0	0	0	0	0	0	0	0	0	0	160,000
00-P026	WWTP Replacement and Rehabilitation PROGRAM	100%	750,000	750,000	1,200,000	1,600,000	1,900,000	2,100,000	2,300,000	2,300,000	2,100,000	2,100,000	6,500,000	23,600,000
22-P013	WWTP Process Assessment	100%	0	155,000	125,000	0	0	0	0	0	0	0	0	280,000
24-P005	LIMS Upgrade	60%	0	465,600	0	0	0	0	0	0	0	0	0	465,600
24-P006	DAFT System Improvements and Upgrades FYE 24-25	100%	0	195,000	0	0	0	0	0	0	0	0	0	195,000
18-P014	WWTP Recycled and Potable Water Systems	100%	0	0	61,000	457,850	0	0	0	0	0	0	0	518,850
22-P010	WWTP HVAC Replacements	100%	0	0	2,846,975	0	0	0	0	0	0	0	0	2,846,975
22-P011	WWTP Roof Replacements	100%	0	0	435,000	0	0	0	0	0	0	0	0	435,000
T16-54	Odor Reduction Tower Replacement	100%	0	0	380,000	2,163,000	0	0	0	0	0	0	0	2,543,000

Portion of Estimated Cashflow Allocated to Regional Wastewater Replacement (Fund 310)

**Amounts shown are District costs net of grants and other fundings*

CIP No.	Project Name	310 Split	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	Future	Total
T20-14	WWTP/Biosolids Master Plan Update	15%	0	0	128,250	0	0	0	0	0	0	0	0	128,250
T22-09	Recoating and Rehabilitation of Digesters 3, 2, and 1	100%	0	0	452,000	452,000	624,500	0	0	0	0	0	0	1,528,500
20-P012	WWTP Security Improvements	100%	0	0	0	660,000	0	0	0	0	0	0	0	660,000
22-P022	WWTP Administration Building Remodel/Renovation	100%	0	0	0	100,000	0	0	0	0	0	0	0	100,000
T16-11	WWTP Motor Control Center and Distribution Panel "A" Improvements	100%	0	0	0	283,000	1,786,000	0	0	0	0	0	0	2,069,000
T20-15	Flocculation Baffles in Secondary Clarifiers	100%	0	0	0	80,000	0	0	0	0	0	0	0	80,000
T18-15	Cogeneration Engine Replacement	100%	0	0	0	0	4,600,000	9,620,000	9,620,000	9,620,000	0	0	0	33,460,000
T22-18	Inner Sewer Flow Metering	100%	0	0	0	0	0	155,000	720,000	0	0	0	0	875,000
T16-42	Nutrient Removal	80%	0	0	0	0	0	0	0	0	0	0	34,040,000	34,040,000
Water System														
16-A016	District Facilities Security Project - Phase 2	10%	0	0	0	24,000	0	0	0	0	0	0	0	24,000
			11,266,795	15,298,190	6,900,263	6,755,150	10,105,333	12,342,800	13,107,800	12,387,800	2,567,800	2,567,800	42,879,000	136,178,730

CIP 10-Year Plan for Fiscal Years Ending 2024 through 2033

Portion of Estimated Cashflow Allocated to Regional Wastewater Expansion (Fund 320)

*Amounts shown are District costs net of grants and other fundings

CIP No.	Project Name	320 Split	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	Future	Total
Regional Wastewater Treatment														
16-P028	Biogas Treatment System Improvements	67%	158,120	1,047,210	0	0	0	0	0	0	0	0	0	1,205,330
17-P004	Primary Sedimentation Expansion and Improvements	85%	85,000	0	0	0	0	0	0	0	0	0	0	85,000
18-P016	Alum Addition	25%	23,750	0	0	0	0	0	0	0	0	0	0	23,750
22-P009	Energy Facilities Master Plan	7%	58,949	0	0	0	0	0	0	0	0	0	0	58,949
14-P005	Wet Weather Flow Capacity	15%	92,100	37,500	0	0	0	0	0	0	0	0	0	129,600
18-P013	Biosolids Dewatering Facility	100%	0	258,000	1,501,000	5,514,000	12,235,500	7,344,500	0	0	0	0	0	26,853,000
T20-14	WWTP/Biosolids Master Plan Update	85%	0	0	726,750	0	0	0	0	0	0	0	0	726,750
20-P010	Cogeneration Engine #4	100%	0	0	0	0	0	0	0	10,500,000	0	0	0	10,500,000
T12-08	Cover Settled Sewage Channel and Selector	100%	0	0	0	0	0	0	0	0	2,700,000	0	0	2,700,000
T10-83	Cover Primary Clarifiers	100%	0	0	0	0	0	0	0	0	0	5,400,000	0	5,400,000
T00-76	Regional Dublin Trunk Relief Sewer	100%	0	0	0	0	0	0	0	0	0	0	7,976,750	7,976,750
T10-62	Emergency Power for Distribution Panel-D	100%	0	0	0	0	0	0	0	0	0	0	6,394,000	6,394,000
T16-42	Nutrient Removal	20%	0	0	0	0	0	0	0	0	0	0	8,510,000	8,510,000
			417,919	1,342,710	2,227,750	5,514,000	12,235,500	7,344,500	0	10,500,000	2,700,000	5,400,000	22,880,750	70,563,129

CIP 10-Year Plan for Fiscal Years Ending 2024 through 2033

Portion of Estimated Cashflow Allocated to Water Replacement (Fund 610)

*Amounts shown are District costs net of grants and other fundings

CIP No.	Project Name	610 Split	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	Future	Total
General														
24-A021	Information Technology Master Plan	42%	63,000	0	0	0	0	0	0	0	0	0	0	63,000
00-A003	Street Overlay Modification PROGRAM	50%	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	400,000	1,200,000
00-A004	Fleet Assets PROGRAM	50%	600,000	160,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	750,000	2,710,000
00-A005	Facilities Asset Replacement PROGRAM	32%	80,000	80,000	137,600	137,600	137,600	137,600	137,600	137,600	137,600	137,600	688,000	1,948,800
00-A006	Information Systems Replacement PROGRAM	42%	239,400	235,200	189,000	84,000	294,000	84,000	84,000	84,000	84,000	84,000	420,000	1,881,600
22-A005	District Office Backup Generator Replacement	38%	0	0	84,921	275,500	0	0	0	0	0	0	0	360,421
20-A029	District Office Accessibility Improvements	37%	0	0	0	0	270,193	0	0	0	0	0	0	270,193
T20-13	Gleason Drive Property Planning Study	55%	0	0	0	0	0	0	0	0	0	0	110,000	110,000
Joint Powers Authority														
20-R021	DERWA TIPS VFD Upgrades	100%	0	0	0	0	0	0	0	0	0	0	0	0
22-R015	DERWA UV Lamp Electrical Connectors	100%	0	0	0	0	0	0	0	0	0	0	0	0
22-R016	DERWA Sand Filtration Ultra Violet System Cable Harness Replacement	100%	0	0	0	0	0	0	0	0	0	0	0	0
22-R019	DERWA Air Relief Valve Rehabilitation/Replacements	100%	0	0	0	0	0	0	0	0	0	0	0	0
23-R001	DERWA New/Replacement Capital <\$50k	100%	0	0	0	0	0	0	0	0	0	0	0	0
24-R014	DERWA Backwash Analysis	100%	0	0	0	0	0	0	0	0	0	0	0	0
24-R015	DERWA Gate Replacements	100%	0	0	0	0	0	0	0	0	0	0	0	0
24-R016	DERWA Pine Valley Transmission Cathodic Protection	100%	0	0	0	0	0	0	0	0	0	0	0	0
24-R017	DERWA Decommission Microfiltration Facility	100%	0	0	0	0	0	0	0	0	0	0	0	0
22-R014	DERWA HVAC Replacements	100%	0	0	0	0	0	0	0	0	0	0	0	0
24-R018	DERWA SCADA Replacements	100%	0	0	0	0	0	0	0	0	0	0	0	0

Portion of Estimated Cashflow Allocated to Water Replacement (Fund 610)

*Amounts shown are District costs net of grants and other fundings

CIP No.	Project Name	610 Split	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	Future	Total
Regional Wastewater Treatment														
22-P009	Energy Facilities Master Plan	28%	235,797	0	0	0	0	0	0	0	0	0	0	235,797
24-P005	LIMS Upgrade	40%	0	310,400	0	0	0	0	0	0	0	0	0	310,400
Water System														
12-W016	Reservoir 1B Recoating	100%	494,903	0	0	0	0	0	0	0	0	0	0	494,903
16-W012	Potable Water Pump Station Standby Generators/Emergency Response	100%	60,000	0	0	0	0	0	0	0	0	0	0	60,000
16-W017	Water Lines Replacement - Wineberry and Canterbury Area	100%	3,573,669	0	0	0	0	0	0	0	0	0	0	3,573,669
19-W004	Valve and Blow-Off Replacement	100%	1,307,000	1,307,000	0	0	0	0	0	0	0	0	0	2,614,000
20-W017	Water System Master Plan and Operations Plan Update	80%	408,000	398,400	0	0	0	0	0	0	0	0	0	806,400
20-W025	Pump Station 1A Rehabilitation	100%	685,000	3,750,000	3,750,000	0	0	0	0	0	0	0	0	8,185,000
22-A004	Manhole and Valve Adjustments - City of Dublin FY24	85%	44,200	0	0	0	0	0	0	0	0	0	0	44,200
22-W007	Reservoir 1B Mixing System Replacement	100%	116,500	161,500	0	0	0	0	0	0	0	0	0	278,000
22-W020	2021 Alternative Water Supply Study – Phase 2	75%	150,000	187,500	1,125,000	0	0	0	0	0	0	0	0	1,462,500
23-W007	Recycled Water Distribution System Rehabilitation - York Dr to Silvergate Dr	100%	50,000	0	0	0	0	0	0	0	0	0	0	50,000
24-W008	Non-Residential Meter Replacement	100%	200,000	200,000	200,000	0	0	0	0	0	0	0	0	600,000
24-W009	Tassajara Road Main Replacement - Palisades Dr to Windemere Pkwy	100%	50,000	2,625,000	0	0	0	0	0	0	0	0	0	2,675,000
24-W010	Dublin Boulevard Water Main Improvements - Clark Avenue	100%	150,000	0	0	0	0	0	0	0	0	0	0	150,000
24-W011	Leak Detection Technology Study	100%	164,000	0	0	0	0	0	0	0	0	0	0	164,000
24-W012	Tassajara Road Gap Closure	100%	85,000	0	0	0	0	0	0	0	0	0	0	85,000
24-W019	2023 Water Conservation Master Plan	100%	264,000	0	0	0	0	0	0	0	0	0	0	264,000
24-W028	Reservoir 1A Landscaping Improvements	100%	300,000	0	0	0	0	0	0	0	0	0	0	300,000
00-W011	Water System Replacement and Rehabilitation PROGRAM	100%	500,000	500,000	950,000	1,500,000	2,000,000	3,500,000	5,000,000	6,500,000	8,000,000	9,000,000	40,000,000	77,450,000

Portion of Estimated Cashflow Allocated to Water Replacement (Fund 610)

**Amounts shown are District costs net of grants and other fundings*

CIP No.	Project Name	610 Split	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	Future	Total
18-W003	Reservoir 2 Recoating	100%	0	160,000	1,350,000	0	0	0	0	0	0	0	0	1,510,000
18-W004	Pump Station 3A MCC Improvements	100%	0	485,000	0	0	0	0	0	0	0	0	0	485,000
24-W013	Village Parkway Main Replacement - Amador Valley Boulevard to Kimball Avenue	100%	0	1,150,000	2,100,000	0	0	0	0	0	0	0	0	3,250,000
17-A006	Field Operations Pavement Rehabilitation	100%	0	0	510,000	410,000	395,000	345,000	345,000	0	0	0	0	2,005,000
20-W019	Automated Water Quality Monitoring	100%	0	0	300,000	300,000	300,000	0	0	0	0	0	0	900,000
22-P027	Turnout 1 Pipeline Replacement	100%	0	0	348,000	781,000	0	0	0	0	0	0	0	1,129,000
T22-03	Camp Parks Water Lines Replacement	100%	0	0	4,990,000	1,300,000	5,000,000	5,000,000	0	0	0	0	0	16,290,000
T22-05	Reservoir 1A Chloramination Control System Upgrade	100%	0	0	100,000	0	0	0	0	0	0	0	0	100,000
16-A016	District Facilities Security Project - Phase 2	90%	0	0	0	216,000	0	0	0	0	0	0	0	216,000
T16-67	Reservoir Recoating PROGRAM	100%	0	0	0	620,000	0	0	0	0	1,950,000	2,800,000	9,370,000	14,740,000
T16-28	Water Lines Replacement - Tamarack Drive - Village Pkwy to Firethorn Way	100%	0	0	0	0	205,000	1,355,000	0	0	0	0	0	1,560,000
00-W002	Long-Term Water Resiliency PROGRAM	75%	0	0	0	0	375,000	750,000	1,125,000	1,875,000	1,875,000	9,375,000	14,625,000	30,000,000
T16-31	Water Line Replacement - Ironwood Drive	100%	0	0	0	0	0	0	1,830,000	0	0	0	0	1,830,000
			9,900,469	11,790,000	16,364,521	5,854,100	9,206,793	11,401,600	8,751,600	8,826,600	12,276,600	21,626,600	66,363,000	182,361,882

CIP 10-Year Plan for Fiscal Years Ending 2024 through 2033

Portion of Estimated Cashflow Allocated to Water Expansion (Fund 620)

*Amounts shown are District costs net of grants and other fundings

CIP No.	Project Name	620 Split	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	Future	Total
General														
T20-13	Gleason Drive Property Planning Study	30%	0	0	0	0	0	0	0	0	0	0	60,000	60,000
Joint Powers Authority														
16-R018	DERWA Supplemental Water Supply	100%	0	0	0	0	0	0	0	0	0	0	0	0
Water System														
14-W008	Reservoir 20B	100%	575,263	5,804,269	0	0	0	0	0	0	0	0	0	6,379,532
17-W003	Reservoir 10A	100%	503,439	1,454,887	7,625,880	11,438,820	0	0	0	0	0	0	0	21,023,026
20-W015	Turnout 6	100%	1,462,000	7,854,000	2,782,000	0	0	0	0	0	0	0	0	12,098,000
20-W017	Water System Master Plan and Operations Plan Update	20%	102,000	99,600	0	0	0	0	0	0	0	0	0	201,600
22-W020	2021 Alternative Water Supply Study – Phase 2	25%	50,000	62,500	375,000	0	0	0	0	0	0	0	0	487,500
20-W027	Dublin Boulevard Extension Water Facilities	100%	0	15,000	0	0	345,000	2,424,000	0	0	0	0	0	2,784,000
24-W022	East Ranch Water Main - Central Parkway to Savanna Court	100%	0	25,000	475,000	0	0	0	0	0	0	0	0	500,000
08-6202	Pump Station 20A Improvements	100%	0	0	0	693,000	0	0	0	0	0	0	0	693,000
00-W002	Long-Term Water Resiliency PROGRAM	25%	0	0	0	0	125,000	250,000	375,000	625,000	625,000	3,125,000	4,875,000	10,000,000
			2,692,702	15,315,256	11,257,880	12,131,820	470,000	2,674,000	375,000	625,000	625,000	3,125,000	4,935,000	54,226,658

Chapter 4: Project Worksheets

This Chapter provides a more detailed look at individual CIP projects and programs. Each project or program has a worksheet that presents the following fields:

1. Project Category
2. CIP Number and Project Title
3. Funding Allocation and Allocation Basis
4. Project Manager
5. Status
6. Project Summary
7. CEQA & Reference Documents
8. Ten-Year Cash Flow and Estimated Project Cost

The worksheets are grouped by the categories described below and arranged in the order of project timing. An index sheet listing the projects contained within each category is provided prior to the worksheets in that category.

1. **General:** Projects in the “general” category include those which are all-purpose, and typically affect District-wide assets that are not specific to one business enterprise. An example of a general project is the Information Technology Master Plan (24-A021).
2. **Joint Powers Authority:** Projects in the “joint powers authority,” (JPA) category are Dublin San Ramon Services District and East Bay Municipal Utility District Recycled Water Authority (DERWA) projects and Livermore-Amador Valley Water Management Agency (LAVWMA) projects, which the District may manage, but only contributes a defined portion to, per the associated agreement. Examples of projects in this category are the DERWA Air Relief Valve Rehabilitation/Replacement project (22-R019) and LAVWMA Pump and Motor Rebuild (23-L010).
3. **Water System:** Projects in the “water system” category are those which are related to the water system business enterprise. An example of a water system project is the Water Lines Replacement – Wineberry and Canterbury Area project (16-W017).
4. **Wastewater Collection:** Projects in the “wastewater collection system” category are those which are related to the local wastewater collection system business enterprise. An example of a wastewater collection system project is Sewer Collection System Evaluation and Spot Repair project (22-S008).
5. **Regional Wastewater Treatment:** Projects in the “regional wastewater treatment” category are those which are related to the regional wastewater treatment business enterprise. An example of a regional wastewater treatment project is the Bio-Gas Treatment System Improvements project (16-P028).

CIP 10-YEAR PLAN FYEs 2024 through 2033

** Listed according to project timing from earliest to latest*

CATEGORY: GENERAL

CIP No.	Project Name	Page
<u>2-Year Projects</u>		
24-A021	Information Technology Master Plan	42
00-A003	Street Overlay Modification PROGRAM	43
00-A004	Fleet Assets PROGRAM	44
00-A005	Facilities Asset Replacement PROGRAM	45
00-A006	Information Systems Replacement PROGRAM	46
<u>Future Projects</u>		
22-A005	District Office Backup Generator Replacement	47
20-A029	District Office Accessibility Improvements	48
T20-13	Gleason Drive Property Planning Study	49

DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: GENERAL

Regional Wastewater Replacement (Fund 310)

CIP No. 24-A021 Information Technology Master Plan

Funding Allocation: 47% 310 42% 610 11% 210

Project Manager: Renee Collins

Status: New Project

Project Summary:

As identified in the District's Strategic Plan, the District has committed to "Optimize District-wide operations by improving our business practices, procedures, and information systems to meet evolving needs." As part of this objective, the District will review and update its Information Technology (IT) Master Plan. The IT Master Plan will assess and define DSRSD's technology objectives with the goal of removing duplication and complexity from the business processes and create value added solutions. The plan will develop a roadmap for deploying each capability or initiative, identify cross-enterprise dependencies and risks, and develop a ten-year expenditure estimate for ongoing and replacement costs.

Anticipated CEQA: Not a project under CEQA [CEQA Guideline 15378]

Reference: None

Fund Allocation Basis: Based on employee allocation.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
0	150,000	0	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost \$150,000

Current Adopted Budget \$0

Increase/(Decrease) \$150,000

DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: GENERAL

Local Wastewater Replacement (Fund 210)

CIP No. 00-A003 Street Overlay Modification PROGRAM
Funding Allocation: 50% 210 50% 610

Project Manager: Rudy Portugal

Status: Continuing Program

Project Summary:

The District is required to adjust infrastructure access to any increases in street grades. This project will raise manholes and valve boxes annually in conjunction with overlay projects conducted by the City of Dublin and City of San Ramon using the Tri-Valley Intergovernmental Reciprocal Services Agreement.

Anticipated CEQA: Categorical Exemption [CEQA Guideline 15301, 15302]

Reference: Coordination meetings with City staff.

Fund Allocation Basis: Fund split is based upon the number of valve boxes and manholes in the system. There are twice as many valve boxes as manholes, however, manholes cost twice as much to raise. Each project created will be based upon the actual work included.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
0	160,000	160,000	160,000	160,000	160,000	160,000	160,000	160,000	160,000	160,000	800,000

Total Estimated Project Cost **\$2,400,000**
 Current Adopted Budget \$2,400,000
 Increase/(Decrease) \$0

DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: GENERAL

Water Replacement (Fund 610)

CIP No. 00-A004 Fleet Assets PROGRAM

Funding Allocation: 50% 610 30% 310 20% 210

Project Manager: Spencer Halliday

Status: New Program

Project Summary:

This program will set aside annual capital funding to meet the District's fleet asset requirements in future years. The District will use a comprehensive approach and follow best practice fleet operations to implement a cost effective fleet replacement program.

New fleet assets to be purchased over the two-year budget FYEs 24 and 25 include:

Ford 150 or equal

Street vacuum/sweeper truck

Fleet assets expected to be replaced over the two-year budget FYEs 24 and 25 include:

Fleet Asset 64: 2002 Ford Ranger

Fleet Asset 70: 2003 Honda Civic

Fleet Asset 71: 2003 Ford F250 w/ Utility Box

Fleet Asset 75: 2004 Ford F250 w/ Utility Box

Fleet Asset 79: 2004 Dodge Ram w/ Utility Box

Fleet Asset 86: 2008 Ford F350 Super Duty 4x4

Fleet Asset 88: 2008 Ford F350 SRW Super Duty

Anticipated CEQA: Not a project under CEQA [CEQA Guideline 15378]

Reference: Current vehicle asset inventory.

Fund Allocation Basis: Ratio based on department/function associated with each vehicle.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
0	1,200,000	320,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	1,500,000

Total Estimated Project Cost \$5,420,000

Current Adopted Budget \$0

Increase/(Decrease) \$5,420,000

DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: GENERAL

Regional Wastewater Replacement (Fund 310)

CIP No. 00-A005 Facilities Asset Replacement PROGRAM

Funding Allocation: 66% 310 32% 610 2% 210

Project Manager: Spencer Halliday

Status: New Program

Project Summary:

This program will set aside funding to meet the District's facilities asset replacement requirements in future years. The District will use a comprehensive approach and follow best practice to implement a cost effective facilities asset replacement program. This program is included in the CIP planning to assure funding for future repair or replacement of facility related assets, such as roof, HVAC, components, and lighting. The estimated annual replacement cost is based on 1% of the District's total real property value per California Sanitation Risk Management Authority (CSRMA) report dated January 2016.

Anticipated CEQA: CEQA requirement will be evaluated for individual projects at the time of inception.

Reference: None

Fund Allocation Basis: Ratio based on department/function associated with each facility.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
0	250,000	250,000	430,000	430,000	430,000	430,000	430,000	430,000	430,000	430,000	2,150,000

Total Estimated Project Cost \$6,090,000

Current Adopted Budget \$0

Increase/(Decrease) \$6,090,000

DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: GENERAL

Regional Wastewater Replacement (Fund 310)

CIP No. 00-A006 Information Systems Replacement PROGRAM

Funding Allocation: 47% 310 42% 610 11% 210

Project Manager: Renee Collins

Status: New Program

Project Summary:

This program will fund information technology projects related to wide area network, industrial network infrastructure and security, computing infrastructure, and business network infrastructure and security.

Anticipated CEQA: Categorical Exemption [CEQA Guideline 15061(b)3]

Reference: None

Fund Allocation Basis: Based on employee allocation.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
0	570,000	560,000	450,000	200,000	700,000	200,000	200,000	200,000	200,000	200,000	1,000,000

Total Estimated Project Cost **\$4,480,000**
 Current Adopted Budget \$0
 Increase/(Decrease) \$4,480,000

DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: GENERAL

Regional Wastewater Replacement (Fund 310)

CIP No. 22-A005 District Office Backup Generator Replacement

Funding Allocation: 50% 310 38% 610 12% 210

Project Manager: TBD

Status: Future Project

Project Summary:

This project will replace the existing backup generator at the District Office. The existing generator is a 1991 model which makes it very difficult to find replacement parts. The project will study the load needs of the District Office, which may result in a larger generator, to power more of the facility in the event of a power outage. The District Office is the designated emergency operations center (EOC) for the District.

Anticipated CEQA: Categorical Exemption [CEQA Guideline 15301 and/or 15302]

Reference: None

Fund Allocation Basis: Based on employee allocation.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
1,525	0	0	223,475	725,000	0	0	0	0	0	0	0

Total Estimated Project Cost \$950,000

Current Adopted Budget \$950,000

Increase/(Decrease) \$0

DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: GENERAL

Regional Wastewater Replacement (Fund 310)

CIP No. 20-A029 District Office Accessibility Improvements

Funding Allocation: 53% 310 37% 610 10% 210

Project Manager: TBD

Status: Future Project

Project Summary:

The project will incorporate accessibility improvements and path of travel upgrades for the District Office. The scope of work will be in accordance with the recommendations specified in the accessibility inspection survey report dated January 20, 2020 (Cal Accessibility). The scope of work includes accessibility improvements for the east parking lot (ADA accessible stalls, ramps), path of travel upgrades within the drought garden, path of travel upgrades for the pathway leading from the bus stop to the main lobby, path of travel upgrades for pathway leading from the north parking lot to the engineering department area, and accessibility improvements for the patio area immediately outside the kitchen/lunch room.

Anticipated CEQA: Categorical Exemption [CEQA Guideline 15301, 15302, 15304]

Reference: Cal Accessibility Inspection Report - January 20, 2020

Fund Allocation Basis: Fund split is based on the same allocation as employee costs, as the building is used by employees to conduct District business

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
0	0	0	0	0	730,250	0	0	0	0	0	0

Total Estimated Project Cost **\$730,250**
 Current Adopted Budget \$500,000
 Increase/(Decrease) \$230,250

DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: GENERAL

Water Replacement (Fund 610)

CIP No. T20-13 Gleason Drive Property Planning Study				
Funding Allocation:	55% 610	30% 620	10% 210	5% 220

Project Manager: TBD

Status: Future Project

Project Summary:

In May 2007, the District purchased an undeveloped 12.8 acre property on Gleason Drive in Dublin, with the intention of locating a future District facilities on the site. The site is adjacent to other public and light industrial uses. This project will evaluate the use of the site for future District needs such as well facilities, a corporation yard, or office space; and include site planning, grading, infrastructure improvements, and construction costs.

Anticipated CEQA: Categorical Exemption [CEQA Guideline 15306]

Reference: Field Operations Division Corporation Yard Study, January 2009, HKIT Architects (CIP 95CN040)

Fund Allocation Basis: Based upon Field Operation cost between potable water, recycled water, and sewer activities.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
0	0	0	0	0	0	0	0	0	0	0	200,000

Total Estimated Project Cost	\$200,000
Current Adopted Budget	\$0
Increase/(Decrease)	\$200,000

CIP 10-YEAR PLAN FYEs 2024 through 2033

** Listed according to project timing from earliest to latest*

CATEGORY: JOINT POWERS AUTHORITY

CIP No.	Project Name	Page
<u>2-Year Projects</u>		
23-L002	LAVWMA Flow Meter Replacements	51
23-L005	LAVWMA San Leandro Sample Station Design Improvements	52
23-L010	LAVWMA Pump and Motor Rebuild	53
23-L011	LAVWMA Pipeline Inspection	54
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16-R018	DERWA Supplemental Water Supply	61
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24-R018	DERWA SCADA Replacements	72

DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: JOINT POWERS AUTHORITY

Regional Wastewater Replacement (Fund 310)

CIP No. 23-L002 LAVWMA Flow Meter Replacements

Funding Allocation: 100% 310

Project Manager: Rudy Portugal

Status: Continuing Project

Project Summary:

The project consists of any required modifications to improve flow measurement accuracy. The cost of the project includes studies and/or analyses, new meters, infrastructure modifications, new instrumentation and controls, and/or other miscellaneous improvements.

Anticipated CEQA: Categorical Exemption [CEQA Guideline 15302]

Reference: None

Fund Allocation Basis: Project is required to replace or rehabilitate existing regional wastewater fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
60,000	190,000	0	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost **\$250,000**
 Current Adopted Budget \$250,000
 Increase/(Decrease) \$0

LAVWMA Project Funding:
 Project is fully reimbursed by LAVWMA. DSRSD contributes an annual amount to the LAVWMA Renewal and Replacement Fund to fund LAVWMA capital projects. The amount varies by year and is adopted annually with the LAVWMA Budget.

DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: JOINT POWERS AUTHORITY

Regional Wastewater Replacement (Fund 310)

CIP No. 23-L005 LAVWMA San Leandro Sample Station Design Improvements

Funding Allocation: 100% 310

Project Manager: LAVWMA General Manager

Status: Continuing Project

Project Summary:

Discharges from LAVWMA pump station are conveyed to the East Bay Dischargers Authority (EBDA) or the San Lorenzo Creek via the San Leandro sample station (SLSS). The project consists of improvements to the SLSS to improve automation and flow control. The scope of work includes the installation of new flow control valves, pressure relief valves, flow meters, chlorine residual analyzers, miscellaneous instrumentation improvements, and programming modifications to the programmable logic controllers and SCADA system.

Anticipated CEQA: Categorical Exemption [CEQA Guideline 15301, 15302]

Reference: None

Fund Allocation Basis: Project is required to replace or rehabilitate existing regional wastewater fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
135,000	865,000	0	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost **\$1,000,000**
 Current Adopted Budget \$900,000
 Increase/(Decrease) \$100,000

LAVWMA Project Funding:
 Project is fully reimbursed by LAVWMA. DSRSD contributes an annual amount to the LAVWMA Renewal and Replacement Fund to fund LAVWMA capital projects. The amount varies by year and is adopted annually with the LAVWMA Budget.

DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: JOINT POWERS AUTHORITY

Regional Wastewater Replacement (Fund 310)

CIP No. 23-L010 LAVWMA Pump and Motor Rebuild

Funding Allocation: 100% 310

Project Manager: Shawn Quinlan

Status: Continuing Project

Project Summary:

The project consists of the replacement of pumps that are nearing the end of their useful life and the rehabilitation of their respective motors, including the replacement of the motor's resistance temperature detectors (RTDs). In FYE 24, three pumps will be replaced and two motors will be rebuilt. In FYE25, four additional pumps/motors will be replaced and/or rehabilitated.

Anticipated CEQA: Categorical Exemption [CEQA Guideline 15301, 15302]

Reference: None

Fund Allocation Basis: Project is required to replace or rehabilitate existing regional wastewater fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
0	510,000	750,000	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost **\$1,260,000**

Current Adopted Budget \$510,000

Increase/(Decrease) \$750,000

LAVWMA Project Funding:

Project is fully reimbursed by LAVWMA. DSRSD contributes an annual amount to the LAVWMA Renewal and Replacement Fund to fund LAVWMA capital projects. The amount varies by year and is adopted annually with the LAVWMA Budget.

DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: JOINT POWERS AUTHORITY

Regional Wastewater Replacement (Fund 310)

CIP No. 23-L011 LAVWMA Pipeline Inspection

Funding Allocation: 100% 310

Project Manager: Spencer Halliday

Status: Continuing Project

Project Summary:

The project consists of inspection of selected portions of the pipeline that conveys treated effluent from the LAVWMA pump station to the East Bay Dischargers Authority (EBDA). The inspection will be performed using a remotely operated vehicle. The findings of this study will be used to identify sections of the pipeline that are in need of repairs and/or to program future projects to improve and/or rehabilitate these sections of pipe.

Anticipated CEQA: Categorical Exemption [CEQA Guideline 15306]

Reference: None

Fund Allocation Basis: Project is required to replace or rehabilitate existing regional wastewater fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
0	300,000	0	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost **\$300,000**
 Current Adopted Budget \$300,000
 Increase/(Decrease) \$0

LAVWMA Project Funding:
 Project is fully reimbursed by LAVWMA. DSRSD contributes an annual amount to the LAVWMA Renewal and Replacement Fund to fund LAVWMA capital projects. The amount varies by year and is adopted annually with the LAVWMA Budget.

DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: JOINT POWERS AUTHORITY

Regional Wastewater Replacement (Fund 310)

CIP No. 23-L013 LAVWMA Pump Station Valve Actuator Replacements

Funding Allocation: 100% 310

Project Manager: Maurice Atendido

Status: Continuing Project

Project Summary:

The LAVWMA Pump Station is equipped with valves that are controlled by electric actuators. The electric valve actuators were installed approximately 20 years ago and are nearing the end of their useful life. The project consists of the replacement of 17 valve actuators.

Anticipated CEQA: Categorical Exemption [CEQA Guideline 15302]

Reference: None

Fund Allocation Basis: Project is required to replace existing regional wastewater fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
0	255,000	0	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost **\$255,000**
 Current Adopted Budget \$255,000
 Increase/(Decrease) \$0

LAVWMA Project Funding:
 Project is fully reimbursed by LAVWMA. DSRSD contributes an annual amount to the LAVWMA Renewal and Replacement Fund to fund LAVWMA capital projects. The amount varies by year and is adopted annually with the LAVWMA Budget.

DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: JOINT POWERS AUTHORITY

Regional Wastewater Replacement (Fund 310)

CIP No. 24-L023 LAVWMA SCADA Replacement

Funding Allocation: 100% 310

Project Manager: Jason Ching

Status: Continuing Project

Project Summary:

The wastewater treatment plant's SCADA system replacement project is currently in design. Based on a preliminary construction cost provided by the design build consultant, LAVWMA's share of the project is proportional to the number of LAVWMA programmable logic controllers (PLCs) compared to DSRSD PLCs that will be replaced.

Anticipated CEQA: Categorical Exemption [CEQA Guideline 15302]

Reference: None

Fund Allocation Basis: Project is required to replace existing regional wastewater fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
0	0	300,000	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost **\$300,000**
 Current Adopted Budget \$300,000
 Increase/(Decrease) \$0

LAVWMA Project Funding:
 Project is fully reimbursed by LAVWMA. DSRSD contributes an annual amount to the LAVWMA Renewal and Replacement Fund to fund LAVWMA capital projects. The amount varies by year and is adopted annually with the LAVWMA Budget.

DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: JOINT POWERS AUTHORITY

Regional Wastewater Replacement (Fund 310)

CIP No. 24-L024 LAVWMA Cathodic Protection Improvements

Funding Allocation: 100% 310

Project Manager: LAVWMA General Manager

Status: Continuing Project

Project Summary:

Treated wastewater is conveyed from the LAVWMA Pump Station to an outfall owned by the East Bay Dischargers Authority via the LAVWMA export pipeline. The export pipelines range in size from 24 to 36-inches in diameter and span approximately 15.6 miles. The pipelines are cathodically protected using an impressed current system, which uses a rectifier and anodes buried in the ground. The project consists of improvements to the cathodic protection system, including but not limited to, repairs to the existing impressed current system, installation of additional test stations, bonding repairs to rectify electrical discontinuities, and the installation of monitoring equipment to remotely monitor the status and health of the rectifiers.

Anticipated CEQA: Categorical Exemption [CEQA Guideline 15301]

Reference: None

Fund Allocation Basis: Project is required to replace or rehabilitate existing regional wastewater fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
0	135,000	0	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost **\$135,000**
 Current Adopted Budget \$135,000
 Increase/(Decrease) \$0

LAVWMA Project Funding:
 Project is fully reimbursed by LAVWMA. DSRSD contributes an annual amount to the LAVWMA Renewal and Replacement Fund to fund LAVWMA capital projects. The amount varies by year and is adopted annually with the LAVWMA Budget.

DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: JOINT POWERS AUTHORITY

Regional Wastewater Replacement (Fund 310)

CIP No. 24-L025 LAVWMA Livermore Pipeline Rehabilitation - Station 226+00 to Station 232+00

Funding Allocation: 100% 310

Project Manager: Karla Castro

Status: New Project

Project Summary:

The LAVWMA Livermore Pipeline conveys treated effluent from the Livermore wastewater treatment plant to the LAVWMA Pump Station. A portion of the LAVWMA Livermore Pipeline (approximately Station 226+00 to approximately Station 232+00) crosses the Arroyo Mocho creek and continues running parallel along the creek. When it was constructed in 1977, the pipeline was at least 4-feet below the bottom of the Arroyo Mocho and the section running parallel to the creek was set back at least 15-feet from the edge of the embankment. Since that time, the Arroyo Mocho has experienced significant erosion. The recent 2022/23 storms have further exacerbated the erosion, whereby the pipe crossing is now exposed and the section of pipe running parallel to the creek is within 3-5 feet of the edge of the embankment. The project will install a new pipeline using trenchless methods and move the pipeline away from the edge of the embankment. Costs include planning, permitting, design, and construction.

Anticipated CEQA: Categorical Exemption [CEQA Guideline 15269]

Reference: None

Fund Allocation Basis: Project is required to replace or rehabilitate existing regional wastewater fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
0	2,000,000	0	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost **\$2,000,000**

Current Adopted Budget \$0

Increase/(Decrease) \$2,000,000

LAVWMA Project Funding:

Project is fully reimbursed by LAVWMA. DSRSD contributes an annual amount to the LAVWMA Renewal and Replacement Fund to fund LAVWMA capital projects. The amount varies by year and is adopted annually with the LAVWMA Budget.

DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: JOINT POWERS AUTHORITY

Regional Wastewater Replacement (Fund 310)

CIP No. 24-L026 LAVWMA Export Pipeline Air Entrapment Assessment

Funding Allocation: 100% 310

Project Manager: LAVWMA General Manager

Status: New Project

Project Summary:

The project will assess entrapped air in the LAVWMA export pipeline and provide recommendations on how to exhaust any air within the export pipeline. The project cost includes engineering review and potential improvements, such as the installation of combination air valves. Cargill/East Bay Dischargers Authority (EBDA) is expected to reimburse LAVWMA for all, or a portion, of the project costs.

Anticipated CEQA: Statutory Exemption [CEQA Guideline 15262]; Categorical Exemption [CEQA Guideline 15301]

Reference: None

Fund Allocation Basis: Project is required to replace or rehabilitate existing regional wastewater fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
0	100,000	0	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost \$100,000

Current Adopted Budget \$0

Increase/(Decrease) \$100,000

LAVWMA Project Funding:

Project is fully reimbursed by LAVWMA. DSRSD contributes an annual amount to the LAVWMA Renewal and Replacement Fund to fund LAVWMA capital projects. The amount varies by year and is adopted annually with the LAVWMA Budget.

DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: JOINT POWERS AUTHORITY

Regional Wastewater Replacement (Fund 310)

CIP No. 24-L027 LAVWMA Pump Station Backup Power Improvements
Funding Allocation: 100% 310

Project Manager: LAVWMA General Manager

Status: New Project

Project Summary:

A generator tap box provide a safe and efficient means of connecting a portable or auxiliary power source in the event of an electrical outage . The project consists of the installation of a generator tap box and other necessary electrical equipment (i.e., transformers) to facilitate the connection of a mobile rental genset at the LAVWMA Pump Station.

Anticipated CEQA: Categorical Exemption [CEQA Guideline 15301]

Reference: None

Fund Allocation Basis: Project is required to replace or rehabilitate existing regional wastewater fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
0	300,000	0	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost **\$300,000**
 Current Adopted Budget \$0
 Increase/(Decrease) \$300,000

LAVWMA Project Funding:
 Project is fully reimbursed by LAVWMA. DSRSD contributes an annual amount to the LAVWMA Renewal and Replacement Fund to fund LAVWMA capital projects. The amount varies by year and is adopted annually with the LAVWMA Budget.

DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: JOINT POWERS AUTHORITY

Water Expansion (Fund 620)

CIP No. 16-R018 DERWA Supplemental Water Supply

Funding Allocation: 100% 620

Project Manager: DERWA Authority Manager

Status: Continuing Project

Project Summary:

This project includes planning, design, and implementation of projects to provide DERWA with supplemental supply needed to address peak month supply shortfalls that could occur during summer months. Current 5-year recycled water demand projections by the participating agencies show the peak month demand will exceed the wastewater flows from DSRSD and the City of Pleasanton. Alternative sources of supply currently under consideration are additional supply from City of Livermore and/or raw wastewater from Central Contra Costa County Sanitary District (CCCS), and local groundwater. Options to increase storage will also be evaluated, including the current treatment plant holding basins. In Fiscal Year 2024, DERWA will complete the Recycled Water Supply and Operations Plan Update that will evaluate and recommend near-term and long-term projects needed to reliably meet DERWA’s recycled water demands. Fiscal Year 2024 includes budget to continue to develop supplemental supply projects, including permanent storage basin improvements and further exploration of groundwater from the Fringe Basin to meet peak demands.

Anticipated CEQA: CEQA addendum to 1996 EIR prepared by DSRSD and approved by DERWA

Reference: DERWA Permanent Supplemental Supplies - completed studies.

Fund Allocation Basis: Project in support of future water customers.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
1,681,000	435,000	0	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost	\$2,116,000	DSRSD Net Cost (Contribution to JPA): \$252,300
Current Adopted Budget	\$3,314,000	DERWA Project Funding: 58% DSRSD, 42% EBMUD
Increase/(Decrease)	(\$1,198,000)	

DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: JOINT POWERS AUTHORITY

Water Replacement (Fund 610)

CIP No. 20-R021 DERWA TIPS VFD Upgrades

Funding Allocation: 100% 610

Project Manager: Maurice Atendido

Status: Continuing Project

Project Summary:

The existing variable frequency drives (VFDs) for the three original Tertiary Influent Pump Station (TIPS) pumps are 15+ years old and are obsolete. The scope of this project is to upgrade the three VFDs to a newer make and model. While performing the VFD upgrade, the industrial control network will also be upgraded to Ethernet connectivity to allow for ease maintenance and faster recovery from breakdowns. The District will hire a contractor and integrator to perform installation, PLC programming, SCADA configuration, testing, and startup.

Anticipated CEQA: Categorical Exemption [CEQA Guideline 15302]

Reference: DERWA Fiscal Year 2020 Budget (March 2019)

Fund Allocation Basis: Project is required to replace or rehabilitate existing water fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
0	150,000	0	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost

\$150,000

DSRSD Net Cost (Contribution to JPA): \$69,000

Current Adopted Budget

\$150,000

DERWA Project Funding: 46% DSRSD, 27% EBMUD, 27% Pleasanton

Increase/(Decrease)

\$0

DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: JOINT POWERS AUTHORITY

Water Replacement (Fund 610)

CIP No. 22-R015 DERWA UV Lamp Electrical Connectors

Funding Allocation: 100% 610

Project Manager: Maurice Atendido

Status: Continuing Project

Project Summary:

This project will replace electrical connectors in the sand filtration ultraviolet (SFUV) system. There are 1,200 UV lamps in the SFUV system and each lamp has one electrical connector. District staff estimates that just over 1,000 connectors need replacement due to water intrusion from worn out wiper O-rings.

Anticipated CEQA: Categorical Exemption [CEQA Guideline 15302]

Reference: None

Fund Allocation Basis: Project required to replace existing water fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
83,000	17,000	0	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost

\$100,000

DSRSD Net Cost (Contribution to JPA): \$46,000

Current Adopted Budget

\$100,000

DERWA Project Funding: 46% DSRSD, 27% EBMUD, 27% Pleasanton

Increase/(Decrease)

\$0

DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: JOINT POWERS AUTHORITY

Water Replacement (Fund 610)

CIP No. 22-R016 DERWA Sand Filtration Ultra Violet System Cable Harness Replacement

Funding Allocation: 100% 610

Project Manager: Maurice Atendido

Status: Continuing Project

Project Summary:

The sand filtration ultraviolet (SFUV) system has two channels with five banks each, and seven modules per bank (seventy modules total). Each module has one pair of cable harnesses. Ten of the seventy modules are less than two years old and do not require replacement. Fourteen of the modules had the cable harnesses replaced in Fiscal Year 2021, leaving forty-six modules remaining. District staff purchased the required materials in Fiscal Year 2022 and will replace the remaining forty-six modules over the course of the next two years.

Anticipated CEQA: Categorical Exemption [CEQA Guideline 15302]

Reference: N/A

Fund Allocation Basis: Project required to replace existing water fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
127,000	23,000	0	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost

\$150,000

DSRSD Net Cost (Contribution to JPA): \$69,000

Current Adopted Budget

\$150,000

DERWA Project Funding: 46% DSRSD, 27% EBMUD, 27% Pleasanton

Increase/(Decrease)

\$0

DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: JOINT POWERS AUTHORITY

Water Replacement (Fund 610)

CIP No. 22-R019 DERWA Air Relief Valve Rehabilitation/Replacements

Funding Allocation: 100% 610

Project Manager: Karla Castro

Status: Continuing Project

Project Summary:

This project will service all air relief valves and rehabilitate or replace them if needed. There are sixty-eight air relief valves in the DERWA system.

Anticipated CEQA: Categorical Exemption [CEQA Guideline 15302]

Reference: N/A

Fund Allocation Basis: Project is required to replace or rehabilitate existing water fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
0	135,000	0	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost	\$135,000	DSRSD Net Cost (Contribution to JPA): \$54,000
Current Adopted Budget	\$135,000	DERWA Project Funding: 40% DSRSD, 60% EBMUD
Increase/(Decrease)	\$0	

DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: JOINT POWERS AUTHORITY

Water Replacement (Fund 610)

CIP No. 23-R001 DERWA New/Replacement Capital <\$50k

Funding Allocation: 100% 610

Project Manager: DERWA Authority Manager

Status: Continuing Project

Project Summary:

This program provides funding for the acquisition of capital items for the DERWA facilities that cost less than \$50,000 each. Included are new capital items needed for improved reliability and/or efficiency, required by new regulation, and for the replacement or rehabilitation of existing assets that are in need of replacement or are nearing the end of their useful life. Projects for fiscal year 2024 include small replacement projects at the treatment plant and miscellaneous improvements to the DERWA backbone distribution system.

Anticipated CEQA: Categorical Exemption [CEQA Guideline 15301, 15302]

Reference: None

Fund Allocation Basis: Project is required to replace or rehabilitate existing water fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
523,000	200,000	685,000	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost \$1,408,000

DSRSD Net Cost (Contribution to JPA): \$591,360

Current Adopted Budget \$0

DERWA Project Funding: 42% DSRSD, 31% EBMUD, 27% Pleasanton

Increase/(Decrease) \$1,408,000

DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: JOINT POWERS AUTHORITY

Water Replacement (Fund 610)

CIP No. 24-R014 DERWA Backwash Analysis

Funding Allocation: 100% 610

Project Manager: Karla Castro

Status: New Project

Project Summary:

The DSRSD 2023 Regional Wastewater Rate Study analyzed the cost to treat backwash waste streams from DERWA. Based on that study, the cost to treat DERWA backwash rates will increase by an estimated \$1.2 million. The increase in cost reflects the addition of the ballasted flocculation treatment system in 2018 and the significant increase in recycled water production that has occurred since operations began. In order to reduce the volume and/or strength of the filter backwash stream to mitigate the anticipated increase in treatment cost, DERWA will undertake a backwash analysis project to determine potential infrastructure improvements to reduce the backwash flow and/or strength.

Anticipated CEQA: To be determined.

Reference: DSRSD 2023 Regional Wastewater Rate Study

Fund Allocation Basis: Project is required to replace or rehabilitate existing water fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
0	200,000	0	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost \$200,000

DSRSD Net Cost (Contribution to JPA): \$92,000

Current Adopted Budget \$0

DERWA Project Funding: 46% DSRSD, 27% EBMUD, 27% Pleasanton

Increase/(Decrease) \$200,000

DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: JOINT POWERS AUTHORITY

Water Replacement (Fund 610)

CIP No. 24-R015 DERWA Gate Replacements

Funding Allocation: 100% 610

Project Manager: Kevin Randeni

Status: New Project

Project Summary:

Various sluice and slide gates require replacement at the DERWA water recycling plant.

Anticipated CEQA: Categorical Exemption [CEQA Guideline 15302]

Reference: None

Fund Allocation Basis: Project is required to replace or rehabilitate existing water fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
0	150,000	150,000	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost **\$300,000**
 Current Adopted Budget \$0
 Increase/(Decrease) \$300,000

DSRSD Net Cost (Contribution to JPA): \$138,000
 DERWA Project Funding: 46% DSRSD, 27% EBMUD, 27% Pleasanton

DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: JOINT POWERS AUTHORITY

Water Replacement (Fund 610)

CIP No. 24-R016 DERWA Pine Valley Transmission Cathodic Protection

Funding Allocation: 100% 610

Project Manager: Rudy Portugal

Status: New Project

Project Summary:

This cathodic protection project will begin in fiscal year 2024 to provide safety improvements to continue to mitigate possible AC interference from high-voltage overhead power lines.

Anticipated CEQA: Categorical Exemption [CEQA Guideline 15301]

Reference: None

Fund Allocation Basis: Project is required to replace or rehabilitate existing water fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
0	230,000	0	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost	\$230,000	DSRSD Net Cost (Contribution to JPA): \$108,100
Current Adopted Budget	\$0	DERWA Project Funding: 47% DSRSD, 53% EBMUD
Increase/(Decrease)	\$230,000	

DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: JOINT POWERS AUTHORITY

Water Replacement (Fund 610)

CIP No. 24-R017 DERWA Decommission Microfiltration Facility

Funding Allocation: 100% 610

Project Manager: Shawn Quinlan

Status: New Project

Project Summary:

This project will decommission the DERWA microfiltration facility which is no longer used to provide recycled water treatment.

Anticipated CEQA: Categorical Exemption [CEQA Guideline 15301]

Reference: None

Fund Allocation Basis: Project is required to replace or rehabilitate existing water fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
0	50,000	0	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost

\$50,000

DSRSD Net Cost (Contribution to JPA): \$23,000

Current Adopted Budget

\$0

DERWA Project Funding: 46% DSRSD, 27% EBMUD, 27% Pleasanton

Increase/(Decrease)

\$50,000

DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: JOINT POWERS AUTHORITY

Water Replacement (Fund 610)

CIP No. 22-R014 DERWA HVAC Replacements

Funding Allocation: 100% 610

Project Manager: Sukhpreet Mann

Status: Continuing Project

Project Summary:

This project will replace the HVAC systems in Building M, Building O, and Building R at the DERWA water recycling facilities. Each of these current systems have reached their useful lives.

Anticipated CEQA: Categorical Exemption [CEQA Guideline 15302]

Reference: None

Fund Allocation Basis: Project is required to replace or rehabilitate existing water fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
0	0	76,000	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost

\$76,000

DSRSD Net Cost (Contribution to JPA): \$34,960

Current Adopted Budget

\$76,000

DERWA Project Funding: 46% DSRSD, 27% EBMUD, 27% Pleasanton

Increase/(Decrease)

\$0

DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: JOINT POWERS AUTHORITY

Water Replacement (Fund 610)

CIP No. 24-R018 DERWA SCADA Replacements

Funding Allocation: 100% 610

Project Manager: Jason Ching

Status: New Project

Project Summary:

The wastewater treatment plant's SCADA system replacement project is currently in design. Based on a preliminary construction cost provided by the design build consultant, DERWA's share of the project for the recycled water treatment system is proportional to the number of DERWA programmable logic controllers (PLCs) compared to DSRSD PLCs that will be replaced.

Anticipated CEQA: Categorical Exemption [CEQA Guideline 15302]

Reference: None

Fund Allocation Basis: Project is required to replace or rehabilitate existing water fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
0	0	300,000	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost	\$300,000	DSRSD Net Cost (Contribution to JPA): \$138,000
Current Adopted Budget	\$0	DERWA Project Funding: 46% DSRSD, 27% EBMUD, 27% Pleasanton
Increase/(Decrease)	\$300,000	

CIP 10-YEAR PLAN FYEs 2024 through 2033

* Listed according to project timing from earliest to latest

CATEGORY: WATER SYSTEM

CIP No.	Project Name	Page
<u>2-Year Projects</u>		
12-W016	Reservoir 1B Recoating	75
14-W008	Reservoir 20B	76
16-W012	Potable Water Pump Station Standby Generators/Emergency Response	77
16-W017	Water Lines Replacement - Wineberry and Canterbury Area	78
17-W003	Reservoir 10A	79
19-W004	Valve and Blow-Off Replacement	80
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20-W017	Water System Master Plan and Operations Plan Update	82
20-W025	Pump Station 1A Rehabilitation	83
22-A004	Manhole and Valve Adjustments - City of Dublin FY24	84
22-W007	Reservoir 1B Mixing System Replacement	85
22-W020	2021 Alternative Water Supply Study – Phase 2	86
23-W007	Recycled Water Distribution System Rehabilitation - York Dr to Silvergate Dr	87
24-W008	Non-Residential Meter Replacement	88
24-W009	Tassajara Road Main Replacement - Palisades Dr to Windemere Pkwy	89
24-W010	Dublin Boulevard Water Main Improvements - Clark Avenue	90
24-W011	Leak Detection Technology Study	91
24-W012	Tassajara Road Gap Closure	92
24-W019	2023 Water Conservation Master Plan	93
24-W028	Reservoir 1A Landscaping Improvements	94
18-W003	Reservoir 2 Recoating	95
18-W004	Pump Station 3A MCC Improvements	96
20-W027	Dublin Boulevard Extension Water Facilities	97
24-W013	Village Parkway Main Replacement - Amador Valley Boulevard to Kimball Avenue	98
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00-W011	Water System Replacement and Rehabilitation PROGRAM	100
<u>Future Projects</u>		
17-A006	Field Operations Pavement Rehabilitation	101
20-W019	Automated Water Quality Monitoring	102
22-P027	Turnout 1 Pipeline Replacement	103
T22-03	Camp Parks Water Lines Replacement	104

CIP 10-YEAR PLAN FYEs 2024 through 2033

** Listed according to project timing from earliest to latest*

CATEGORY: WATER SYSTEM

CIP No.	Project Name	Page
T22-05	Reservoir 1A Chloramination Control System Upgrade	105
08-6202	Pump Station 20A Improvements	106
16-A016	District Facilities Security Project - Phase 2	107
T16-28	Water Lines Replacement - Tamarack Drive - Village Pkwy to Firethorn Way	108
T16-31	Water Line Replacement - Ironwood Drive	109
T16-67	Reservoir Recoating PROGRAM	110
00-W002	Long-Term Water Resiliency PROGRAM	111

DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: WATER SYSTEM

Water Replacement (Fund 610)

CIP No. 12-W016 Reservoir 1B Recoating

Funding Allocation: 100% 610

Project Manager: Jason Ching

Status: Continuing Project

Project Summary:

This project will recoat the exterior and interior of Reservoir 1B which was constructed in 1961. The project will also recoat all tank and piping appurtenances including the roof hatch and vents, interior and exterior ladders, manways, inlet, outlet, and overflow pipes. A new cathodic protection system will also be installed to replace the original system for all reservoirs. Reservoir 1B is a four million gallon (MG) shared facility with 2.35 MG owned by DSRSD and 1.65 MG owned by Zone 7. Per Basic Agreement for Construction and Joint Use of 4 MG Dougherty Reservoir and Appurtenant Facilities dated April 19, 1983, DSRSD pays for 50% of operations and maintenance costs. The cost shown is the estimated DSRSD share.

Anticipated CEQA: Categorical Exemption [CEQA Guideline 15301]

Reference: 2016 Department of Health Services inspection report; video testing report.

Fund Allocation Basis: Project is required to maintain existing water fund assets.

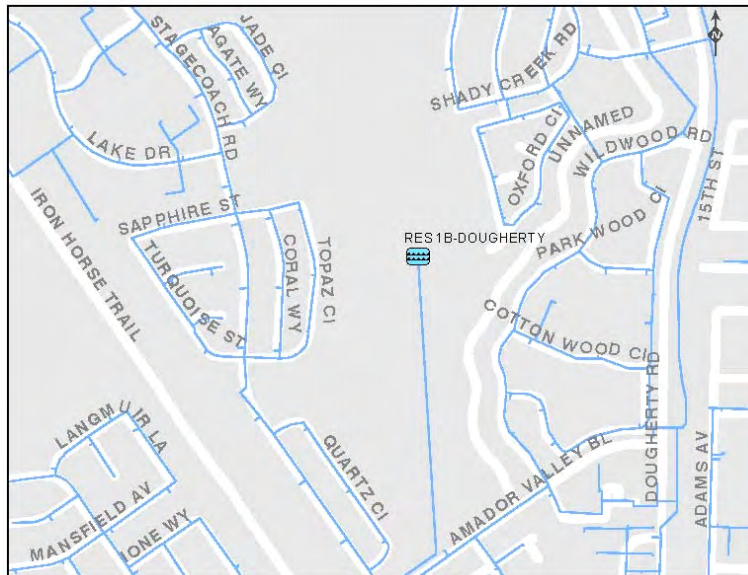
10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
1,130,097	494,903	0	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost **\$1,625,000**

Current Adopted Budget \$1,625,000

Increase/(Decrease) \$0



DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: WATER SYSTEM

Water Expansion (Fund 620)

CIP No. 14-W008 Reservoir 20B

Funding Allocation: 100% 620

Project Manager: Sukhpreet Mann

Status: Continuing Project

Project Summary:

This project consists of the construction of a 1.3 million gallon potable water reservoir to support the water demands in Eastern Dublin. The scope also includes the installation of approximately 750 linear feet of 14-inch inlet/outlet piping, access roads, and associated property rights. Project implementation will be dependent on future development growth in service areas.

Anticipated CEQA: CEQA Initial Study/Mitigated Negative Declaration

Reference: 2016 Water Master Plan Update

Fund Allocation Basis: Project in support of future water customers.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
525,468	575,263	5,804,269	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost **\$6,905,000**
 Current Adopted Budget \$7,405,000
 Increase/(Decrease) (\$500,000)



DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: WATER SYSTEM

Water Replacement (Fund 610)

CIP No. 16-W012 Potable Water Pump Station Standby Generators/Emergency Response

Funding Allocation: 100% 610

Project Manager: Rudy Portugal

Status: Continuing Project

Project Summary:

To ensure continued operation of the water distribution system in the event of a utility power failure, reliable backup power infrastructure is necessary for critical potable water pump stations, reservoirs and telemetry sites. The project includes the installation of two permanent standby diesel generators at Pump Stations 4B and 200A, procurement of five trailer-mounted mobile generators, installation new receptacles at six (6) critical pump station sites for mobile generator hookups, and the upgrade of the uninterruptable power supply (UPS) battery backup systems for eight (8) potable and recycled water reservoirs.

Anticipated CEQA: Categorical Exemption [CEQA Guideline 15303].

Reference: 2016 Water System Master Plan

Fund Allocation Basis: Project is required to maintain existing water fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
3,360,000	60,000	0	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost **\$3,420,000**

Current Adopted Budget \$3,420,000

Increase/(Decrease) \$0

DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: WATER SYSTEM

Water Replacement (Fund 610)

CIP No. 16-W017 Water Lines Replacement - Wineberry and Canterbury Area

Funding Allocation: 100% 610

Project Manager: Rudy Portugal

Status: Continuing Project

Project Summary:

This project will replace approximately 4,400 feet of 8-inch asbestos cement pipe (ACP) potable water lines, services, and appurtenances on Wineberry Way, Cypress Court, Locust Place - South and North, and Mulberry Place. This area has a history of leaks and water service repairs. The project will also replace approximately 6,500 feet of existing 4-inch, 6-inch and 8-inch ACP potable water lines in Canterbury Lane from Bedford Way to Flanders Way, Cardigan Street, Mayan Court, Flanders Way, and Cardigan Court, Canterbury Lane from Flanders Way to Bedford Way, Bedford Way from Canterbury Lane to Alene Street, Hastings Way, Sutton Lane, Jasmine Court, and Canterbury Court, along with valves, hydrants, and services. The lines were installed in 1961.

Anticipated CEQA: Categorical Exemption [CEQA Guideline 15302]

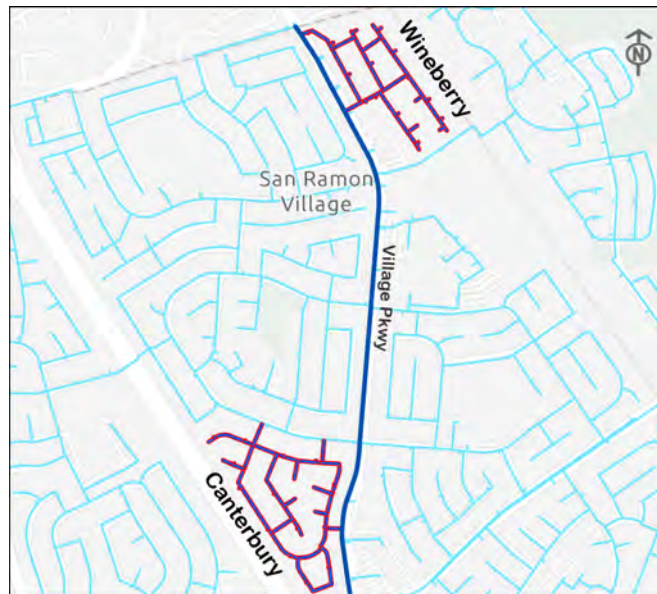
Reference: Maintenance service history

Fund Allocation Basis: Project is required to replace existing water fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
3,350,184	3,573,669	0	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost	\$6,923,853
Current Adopted Budget	\$6,923,853
Increase/(Decrease)	\$0



DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: WATER SYSTEM

Water Expansion (Fund 620)

CIP No. 17-W003 Reservoir 10A

Funding Allocation: 100% 620

Project Manager: Sukhpreet Mann

Status: Continuing Project

Project Summary:

As part of the Agreement to take ownership of the Camp Parks water system, the District inherited Reservoir 10A, an open cut reservoir in the former Camp Parks water system. Reservoir 10A was constructed in the 1940s and has reached the end of its useful life. Moreover, the District's existing water distribution system, sans the storage capacity provided by Reservoir 10A, is adequately sized to meet current demands. Thus, the District does not operate Reservoir 10A. To accommodate higher future demands, the District will replace Reservoir 10A and construct the new reservoir at the appropriate elevation to optimize operational efficiency.

Anticipated CEQA: CEQA Mitigated Negative Declaration/EIR

Reference: None

Fund Allocation Basis: Project is required to provide water storage capacity for future development.

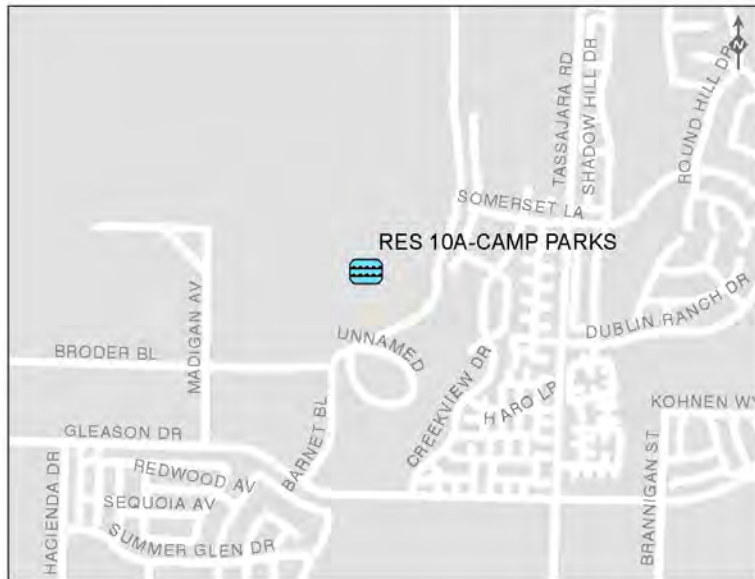
10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
579,216	503,439	1,454,887	7,625,880	11,438,820	0	0	0	0	0	0	0

Total Estimated Project Cost \$21,602,242

Current Adopted Budget \$19,099,950

Increase/(Decrease) \$2,502,292



DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: WATER SYSTEM

Water Replacement (Fund 610)

CIP No. 19-W004 Valve and Blow-Off Replacement

Funding Allocation: 100% 610

Project Manager: Karla Castro

Status: Continuing Project

Project Summary:

This project will repair/replace line and blow off valves throughout the water distribution system. Many of the line valves have broken over time and are located in the older parts of the service area. Repairing or replacing the valves is essential for system operation and minimizes the area for shutdowns. Blow off valves will also be strategically replaced within the water distribution system. The blow off valves will be replaced with larger valves that will improve flushing velocity and efficiency, which will improve water quality.

Anticipated CEQA: None

Reference: None

Fund Allocation Basis: Project is required to replace existing water fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
4,495,293	1,307,000	1,307,000	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost **\$7,109,293**
 Current Adopted Budget \$4,495,293
 Increase/(Decrease) \$2,614,000



DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: WATER SYSTEM

Water Expansion (Fund 620)

CIP No. 20-W015 Turnout 6

Funding Allocation: 100% 620

Project Manager: Jason Ching

Status: Continuing Project

Project Summary:

This project will provide water supply for development in eastern Dublin. A turnout from Zone 7 south of Hwy I-580 at Pimlico Drive with a capacity of 6,000 gpm (8.6 mgd) will be installed. This project will include 2,300 feet of 20-inch main from the turnout to Dublin Boulevard with 200 feet of trenchless pipeline to cross under Hwy I-580. This turnout will include chemical feed facilities. This project is required to meet future demands and will add redundancy to improve reliability of the distribution system. The new turnout is served by Zone 7 Water Agency's Cross Valley Pipeline.

Anticipated CEQA: Previous EIR certified 5-10-93 by City of Dublin

Reference: 2016 Water Master Plan Update

Fund Allocation Basis: Fund split based on future expansion for Zone 1.

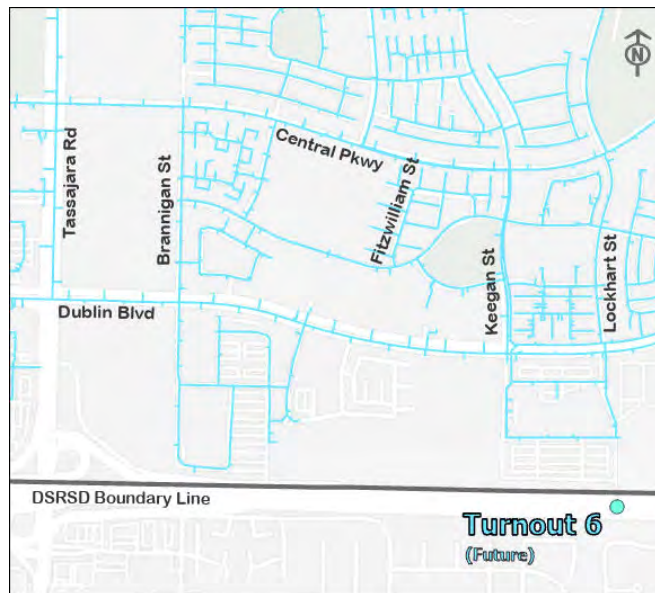
10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
310,763	1,462,000	7,854,000	2,782,000	0	0	0	0	0	0	0	0

Total Estimated Project Cost \$12,408,763

Current Adopted Budget \$9,478,000

Increase/(Decrease) \$2,930,763



DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: WATER SYSTEM

Water Replacement (Fund 610)

CIP No. 20-W017 Water System Master Plan and Operations Plan Update

Funding Allocation: 80% 610 20% 620

Project Manager: Irene Suroso

Status: Continuing Project

Project Summary:

This project will update the District's 2016 Water System Master Plan. The master plan, which is typically updated at a five year interval, outlines the water system required to serve our customers from current conditions through future build-out conditions ensuring the water system operation is reliable as systems expand. The plan will address the America's Water Infrastructure Act of 2018 (AWIA) Risk and Resilience Assessment report and address Risk and Resilience Management Strategies for the District.

Anticipated CEQA: Statutory Exemption [CEQA Guideline 15262 Feasibility and Planning Studies]

Reference: 2016 Water System Master Plan

Fund Allocation Basis: Based on the ratio of current water demands to projected buildout demands.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
0	510,000	498,000	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost **\$1,008,000**
 Current Adopted Budget \$500,000
 Increase/(Decrease) \$508,000

DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: WATER SYSTEM

Water Replacement (Fund 610)

CIP No. 20-W025 Pump Station 1A Rehabilitation

Funding Allocation: 100% 610

Project Manager: Kevin Randeni

Status: Continuing Project

Project Summary:

This project will upgrade or replace Pump Station 1A. Pump Station 1A pumps water from the Zone 7 water system to the District’s Zone 1 distribution system on the west side. The suction and discharge manifolds cause high head loss, inefficiency, and pump cavitation. The project will also study upgrading or replacing the pump station at the existing location or possibly relocating it to the Turnout 1 site. Fluoride storage and injection equipment housed at the facility will also be upgraded.

Anticipated CEQA: To be determined.

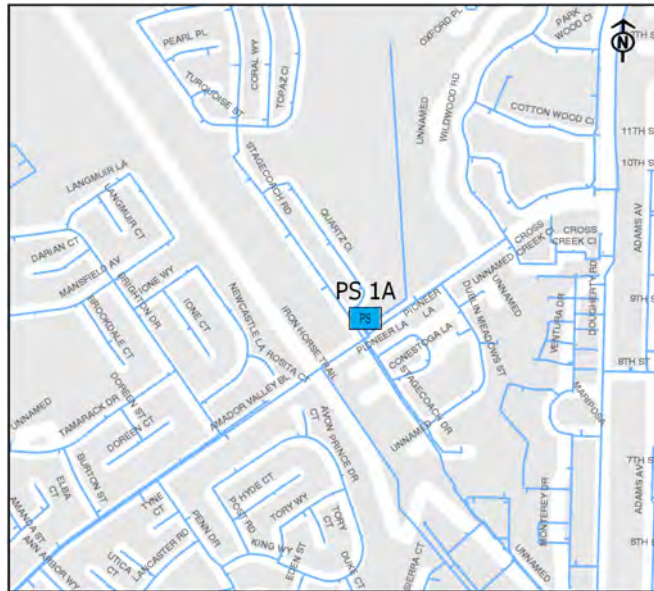
Reference: Water System Master Plan, March 2016

Fund Allocation Basis: Project is required to replace existing water fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
88,055	685,000	3,750,000	3,750,000	0	0	0	0	0	0	0	0

Total Estimated Project Cost **\$8,273,055**
 Current Adopted Budget \$6,670,000
 Increase/(Decrease) \$1,603,055



DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: WATER SYSTEM

Water Replacement (Fund 610)

CIP No. 22-A004 Manhole and Valve Adjustments - City of Dublin FY24

Funding Allocation: 85% 610 15% 210

Project Manager: Rudy Portugal

Status: Continuing Project

Project Summary:

The District is required to adjust infrastructure access to any increases in street grades. This project will raise manholes and valve boxes in City of Dublin on Dublin Boulevard between Scarlett Drive and Hibernia Drive, and on Silvergate Drive between Dublin Boulevard and San Ramon Road.

Anticipated CEQA: Categorical Exemption [CEQA Guideline 15302]

Reference: City of Dublin Capital Improvement Program

Fund Allocation Basis: Fund split is based upon the number of valve boxes and manholes in the project.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
52,000	52,000	0	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost	\$104,000
Current Adopted Budget	\$226,000
Increase/(Decrease)	(\$122,000)

DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: WATER SYSTEM

Water Replacement (Fund 610)

CIP No. 22-W007 Reservoir 1B Mixing System Replacement

Funding Allocation: 100% 610

Project Manager: Jason Ching

Status: Continuing Project

Project Summary:

This project will install new mixing equipment at Reservoir 1B to improve chlorine residual and maintain water quality. The project will also include a new/upgraded PG&E service to adequately serve additional power loads generated from the new mixing equipment. Reservoir 1B is a four million gallon (MG) shared facility with 2.35 MG owned by DSRSD and 1.65 MG owned by Zone 7 Water Agency. Per Basic Agreement for Construction and Joint Use of 4.0 MG Dougherty Reservoir and Appurtenant Facilities dated April 19, 1983, DSRSD pays for 50% of operations and maintenance costs.

Anticipated CEQA: Categorical Exemption [CEQA Guideline 15302]

Reference: None

Fund Allocation Basis: Project is required to replace existing water fund asset.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
0	116,500	161,500	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost	\$278,000
Current Adopted Budget	\$260,000
Increase/(Decrease)	\$18,000



DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: WATER SYSTEM

Water Replacement (Fund 610)

CIP No. 22-W020 2021 Alternative Water Supply Study – Phase 2

Funding Allocation: 75% 610 25% 620

Project Manager: Jan Lee

Status: Continuing Project

Project Summary:

This project will fund collaborative efforts with regional partners to further explore potential near-term pilot projects that were identified in the 2021 Alternative Water Supply Study: A Framework for a Resilient and Sustainable Water Future. Efforts may include investigating Hopyard 7 and more productive portions of the fringe groundwater basins for supplementing the recycled water program; conceptual planning for a potential regional potable reuse demonstration project; and evaluating a pilot water transfer between EBMUD and Zone 7 utilizing existing DSRSD-EBMUD emergency interties. This project may also fund efforts to identify and pursue grant funding for both near-term pilot projects and long-term regional water resiliency efforts.

Anticipated CEQA: Statutory Exemption [CEQA Guideline 15262 Feasibility and Planning Studies]

Reference: 2021 Alternative Water Supply Study: A Framework for a Resilient and Sustainable Water Future

Fund Allocation Basis: Based on the ratio of current water demands to projected build-out demands.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
423,952	200,000	250,000	1,500,000	0	0	0	0	0	0	0	0

Total Estimated Project Cost **\$2,373,952**
 Current Adopted Budget \$1,500,000
 Increase/(Decrease) \$873,952

DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: WATER SYSTEM

Water Replacement (Fund 610)

CIP No. 23-W007 Recycled Water Distribution System Rehabilitation - York Dr to Silvergate Dr

Funding Allocation: 100% 610

Project Manager: Sukhpreet Mann

Status: Continuing Project

Project Summary:

This project will investigate and rehabilitate low water pressures in the recycled water distribution system along Amador Valley Road, between approximately York Drive and San Ramon Road; San Ramon Road, between Amador Valley Road and Dublin Blvd; and Dublin Boulevard, between San Ramon Road and Silvergate Drive. The proposed work includes field testing, in-pipe camera inspections, replacement of a blowoff near the intersection of Dublin Boulevard and Silvergate, and installation of new gate and air valves.

Anticipated CEQA: Categorical Exemption [CEQA Guideline 15301, 15302, and 15306]

Reference: None.

Fund Allocation Basis: Project is required to replace existing water fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
74,625	50,000	0	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost **\$124,625**
 Current Adopted Budget \$60,000
 Increase/(Decrease) \$64,625

DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: WATER SYSTEM

Water Replacement (Fund 610)

CIP No. 24-W008 Non-Residential Meter Replacement

Funding Allocation: 100% 610

Project Manager: Irene Suroso

Status: New Project

Project Summary:

This project will replace non-residential meters nearing the end of their useful life. Replacement of these meters will ensure water consumption readings are accurately measured. This project will also support compliance with California Senate Bill 555 related to the District's Water Loss Audit.

Anticipated CEQA: Categorical Exemption [CEQA Guideline 15302]

Reference: None

Fund Allocation Basis: Project is required to replace existing water fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
0	200,000	200,000	200,000	0	0	0	0	0	0	0	0

Total Estimated Project Cost **\$600,000**
 Current Adopted Budget \$0
 Increase/(Decrease) \$600,000

DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: WATER SYSTEM

Water Replacement (Fund 610)

CIP No. 24-W009 Tassajara Road Main Replacement - Palisades Dr to Windemere Pkwy

Funding Allocation: 100% 610

Project Manager: Ryan Pendergraft

Status: New Project

Project Summary:

The City of Dublin/Contra Costa County will widen Tassajara Road, between approximately Palisades Drive and Windemere Parkway. Due to these improvements, the District will need relocate portions of the pipeline to a manageable maintenance location. A reciprocal services agreement will be coordinated between DSRSD and the City of Dublin/Contra Costa County that will allow the City/County to design and construct the replacement of approximately 5,000 linear feet of water main, including valves, fire hydrants and other appurtenances, within the extent of these improvements. DSRSD will reimburse the City/County for the replacement of DSRSD's infrastructure. The cost shown is the amount DSRSD expects to reimburse the City/County.

Anticipated CEQA: Categorical Exemption [CEQA Guideline 15302]

Reference: Water System Asset Replacement Model

Fund Allocation Basis: Project is required to replace existing water fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
0	50,000	2,625,000	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost **\$2,675,000**
 Current Adopted Budget \$0
 Increase/(Decrease) \$2,675,000



DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: WATER SYSTEM

Water Replacement (Fund 610)

CIP No. 24-W010 Dublin Boulevard Water Main Improvements - Clark Avenue

Funding Allocation: 100% 610

Project Manager: Karla Castro

Status: New Project

Project Summary:

This project will install and replace approximately 85 linear feet of existing 10-inch asbestos cement (ACP) potable water main and appurtenances at the intersection of Dublin Boulevard and Clark Avenue to reconnect the looped system previously disconnected due to a valve leak.

Anticipated CEQA: Categorical Exemption [CEQA Guideline 15302]

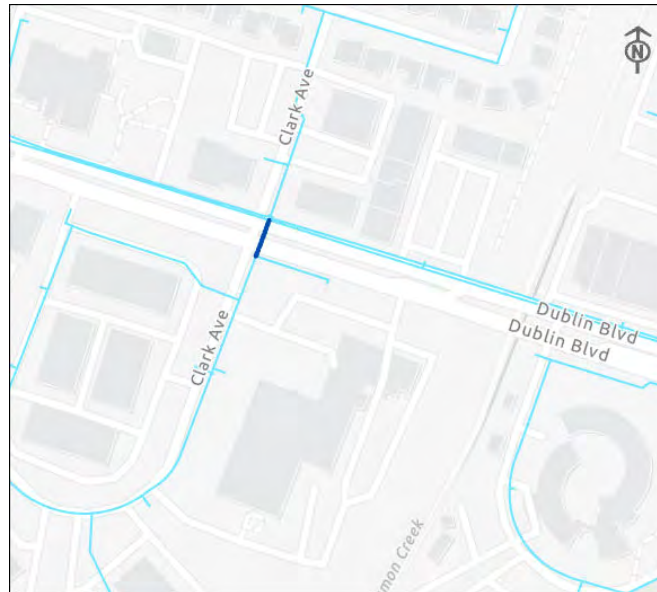
Reference: None

Fund Allocation Basis: Project is required to replace existing water fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
0	150,000	0	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost **\$150,000**
 Current Adopted Budget \$0
 Increase/(Decrease) \$150,000



DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: WATER SYSTEM

Water Replacement (Fund 610)

CIP No. 24-W011 Leak Detection Technology Study

Funding Allocation: 100% 610

Project Manager: Irene Suroso

Status: New Project

Project Summary:

This project will provide initial information on leak detection technology that suits the District’s distribution system through a pilot study of two advanced leak detection sensors. The project includes pilot study that is scalable and cost-effective solution. With the District's distribution system average pressure higher than 80 psi, the likelihood of pipe burst and failure increases. This project will support compliance with California's Water Conservation Framework regulations (AB 1668 and SB 606) for the water loss component.

Anticipated CEQA: Categorical Exemption [CEQA Guideline 15262 Feasibility and Planning]

Reference: None

Fund Allocation Basis: Project is required to replace existing water fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
0	164,000	0	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost **\$164,000**
 Current Adopted Budget \$0
 Increase/(Decrease) \$164,000

DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: WATER SYSTEM

Water Replacement (Fund 610)

CIP No. 24-W012 Tassajara Road Gap Closure

Funding Allocation: 100% 610

Project Manager: Ryan Pendergraft

Status: New Project

Project Summary:

The City of Dublin will design and construct a road widening project that will close the gaps in Tassajara Road. This requires the relocation of several existing fire hydrants. A reciprocal services agreement will be coordinated between DSRSD and the City of Dublin that will allow the City of Dublin to design and relocate the fire hydrants. DSRSD will reimburse the City for the relocation of the fire hydrants. The cost shown is the amount DSRSD expects to reimburse the City.

Anticipated CEQA: Categorical Exemption [CEQA Guideline15302]

Reference: None

Fund Allocation Basis: Project is required to replace existing water fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
0	85,000	0	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost \$85,000

Current Adopted Budget \$0

Increase/(Decrease) \$85,000

DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: WATER SYSTEM

Water Replacement (Fund 610)

CIP No. 24-W019 2023 Water Conservation Master Plan

Funding Allocation: 100% 610

Project Manager: Irene Suroso

Status: New Project

Project Summary:

This project will provide a framework for water conservation programs that are aligned with DSRSD's mission and core values to meet District's water conservation and sustainability goals. The Conservation Plan and Modeling Tool will be used for the annual water supply and demand assessments/reports required by the California Department of Water Resources and to support compliance with California's Water Conservation Framework regulations (AB 1668 and SB 606).

Anticipated CEQA: Categorical Exemption [CEQA Guideline 15262 Feasibility and Planning]

Reference: 2020 Urban Water Management Plan

Fund Allocation Basis:

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
0	264,000	0	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost	\$264,000
Current Adopted Budget	\$0
Increase/(Decrease)	\$264,000

DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: WATER SYSTEM

Water Replacement (Fund 610)

CIP No. 24-W028 Reservoir 1A Landscaping Improvements

Funding Allocation: 100% 610

Project Manager: Spencer Halliday

Status: New Project

Project Summary:

This project will safely remove diseased trees from the Reservoir 1A site located at Rhoda Avenue in Dublin. An arborist report completed in May 2023 outlines that a number of trees are diseased, in poor condition and/or drought stressed and recommended to be removed. The project will include community outreach, removal of trees as recommended in the arborist report dated May 2023, and replanting of vegetation to screen the reservoir.

Anticipated CEQA: Categorical Exemption [CEQA Guideline 15304 - Minor Alterations to Land].

Reference: Arborist Report Reservoir 1A, dated May 31, 2023

Fund Allocation Basis: Project is required to replace or rehabilitate existing water fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
0	300,000	0	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost	\$300,000	0
Current Adopted Budget	\$0	0
Increase/(Decrease)	\$300,000	



DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: WATER SYSTEM

Water Replacement (Fund 610)

CIP No. 18-W003 Reservoir 2 Recoating

Funding Allocation: 100% 610

Project Manager: Sukhpreet Mann

Status: Continuing Project

Project Summary:

This project will recoat the exterior and interior of Reservoir 2, which was constructed in 1964. The reservoir was cleaned and inspected in 2016. The inspection report indicated that there are multiple coating blisters on the interior surfaces and areas of corrosion on the roof. The interior and exterior coatings are original. The project will also recoat all tank and piping appurtenances including the roof hatch and vents, interior and exterior ladders, manways, inlet, outlet, and overflow pipes. A new cathodic protection system will also be installed to replace the original system.

Anticipated CEQA: Categorical Exemption [CEQA Guideline 15301]

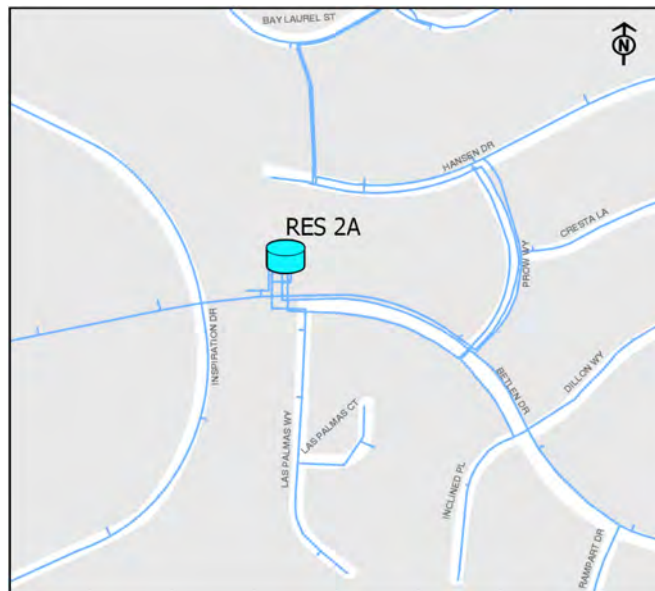
Reference: None

Fund Allocation Basis: Project is required to maintain existing water fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
266,127	0	160,000	1,350,000	0	0	0	0	0	0	0	0

Total Estimated Project Cost **\$1,776,127**
 Current Adopted Budget \$1,329,170
 Increase/(Decrease) \$446,957



DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: WATER SYSTEM

Water Replacement (Fund 610)

CIP No. 18-W004 Pump Station 3A MCC Improvements

Funding Allocation: 100% 610

Project Manager: Sukhpreet Mann

Status: Continuing Project

Project Summary:

The existing motor control center (MCC) at potable water Pump Station 3A (PS 3A) is in a small underground vault along with the station programmable logic controller (PLC). The electrical equipment is over 30 years old and replacement parts are no longer readily available. The objective of the project is to install a new MCC, PLC and above ground portable generator connection to more quickly provide back-up power in the event of a Pacific Gas and Electric system outage. The remaining pump station equipment will remain inside the vault.

Anticipated CEQA: Categorical Exemption [CEQA Guideline 15302]

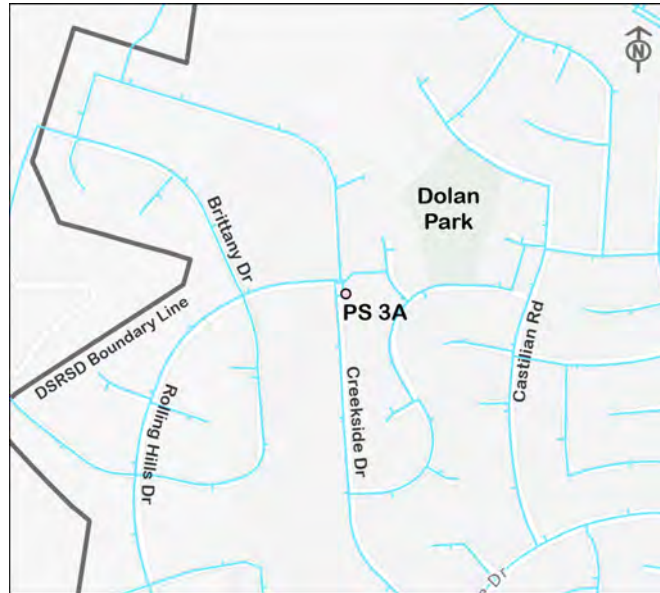
Reference: None

Fund Allocation Basis: Project is required to replace existing water fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
653,254	0	485,000	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost **\$1,138,254**
 Current Adopted Budget \$1,017,000
 Increase/(Decrease) \$121,254



DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: WATER SYSTEM

Water Expansion (Fund 620)

CIP No. 20-W027 Dublin Boulevard Extension Water Facilities

Funding Allocation: 100% 620

Project Manager: Jackie Yee

Status: Continuing Project

Project Summary:

The Alameda County Transportation Commission, Alameda County, and the cities of Dublin and Livermore are partnering on the Dublin Boulevard Extension Project, a 1.5 mile extension of Dublin Boulevard from Fallon Road in Dublin to North Canyons Parkway at Doolan Road in Livermore. The extension of Dublin Boulevard had been planned since 1984. Dublin's General Plan, the General Plans of the County and Livermore, and Plan Bay Area 2040 all include the extension of Dublin Boulevard. Water and wastewater utilities will need to be installed within the extended Dublin Boulevard to accommodate future development based on the City of Dublin's General Plan. The District coordinated with the City of Dublin to include potable water lines and wastewater collection sewers within the District's service area in the extension project. The District's project will construct 5,150 feet of 12-inch potable water pipeline and associated appurtenances as a portion of the road extension project.

Anticipated CEQA: Final EIR – Dublin Blvd. – North Canyons Parkway Extension Project (City of Dublin) – August 2019

Reference: DSRSD 2016 Water Master Plan

Fund Allocation Basis: Project in support of future water customers.

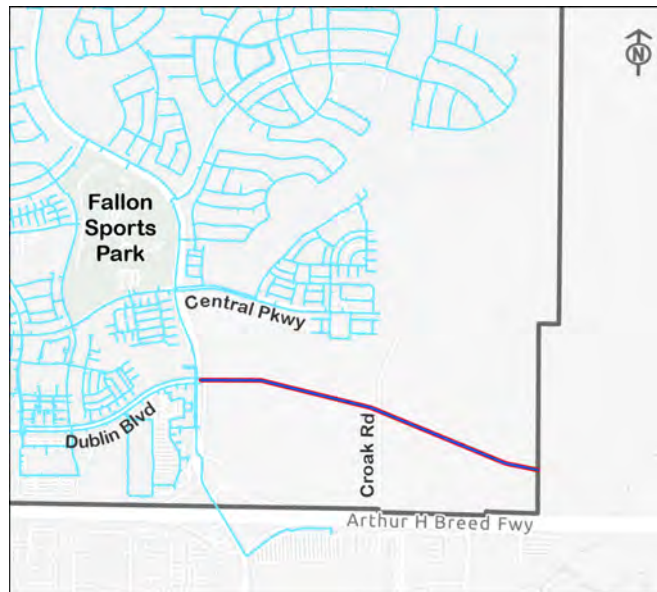
10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
50,000	0	15,000	0	0	345,000	2,424,000	0	0	0	0	0

Total Estimated Project Cost \$2,834,000

Current Adopted Budget \$1,980,000

Increase/(Decrease) \$854,000



DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: WATER SYSTEM

Water Replacement (Fund 610)

CIP No. 24-W013 Village Parkway Main Replacement - Amador Valley Boulevard to Kimball Avenue

Funding Allocation: 100% 610

Project Manager: Ryan Pendergraft

Status: New Project

Project Summary:

The City of Dublin will design and construct improvements to the Village Parkway, between Amador Valley Boulevard and Kimball Avenue. The existing pipeline within Village Parkway was originally constructed in the early 1960s and is nearing the end of their useful life. A reciprocal services agreement will be coordinated between DSRSD and the City of Dublin that will allow the City of Dublin to design and construct the replacement of approximately 6,100 linear feet of water main, including valves, fire hydrants and other appurtenances, within the extent of these improvements. DSRSD will reimburse the City for the replacement of DSRSD's infrastructure. The cost shown is the amount DSRSD expects to reimburse the City.

Anticipated CEQA: Categorical Exemption [CEQA Guideline 15302]

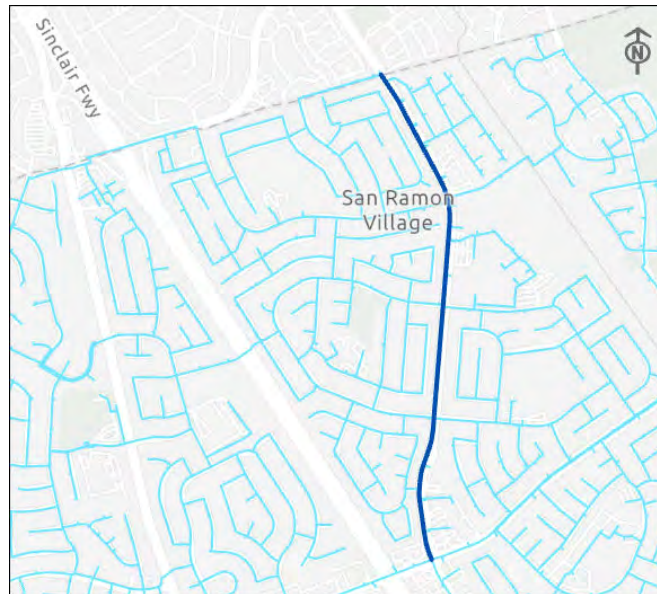
Reference: None

Fund Allocation Basis: Project is required to replace existing water fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
0	0	1,150,000	2,100,000	0	0	0	0	0	0	0	0

Total Estimated Project Cost **\$3,250,000**
 Current Adopted Budget \$0
 Increase/(Decrease) \$3,250,000



DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: WATER SYSTEM

Water Expansion (Fund 620)

CIP No. 24-W022 East Ranch Water Main - Central Parkway to Savanna Court

Funding Allocation: 100% 620

Project Manager: Ryan Pendergraft

Status: New Project

Project Summary:

The City of Dublin's East Ranch project proposes the development of 573 residential units on an approximately 165.5-acre site. The developer requires a 12-inch mainline on Croak Road to service the development and will upsize the pipeline to 14-inch as required for the District's Reservoir 20B project. The upsizing of the pipeline will provide transmission of the water to Reservoir 20B and qualifies as major infrastructure according to Infrastructure Responsibilities and Funding Policy (P600-15-3). The work includes creating an Areawide Facility Agreement and coordination with the developer on reimbursement. The District is working with the developer that will construct approximately 4,750 linear feet of 14-inch potable water pipeline and associated appurtenances along Croak Road, between Central Parkway and Mary Way; Mary Way; and Savanna Court.

Anticipated CEQA: Categorical Exemption [CEQA Guideline 15182(c)]

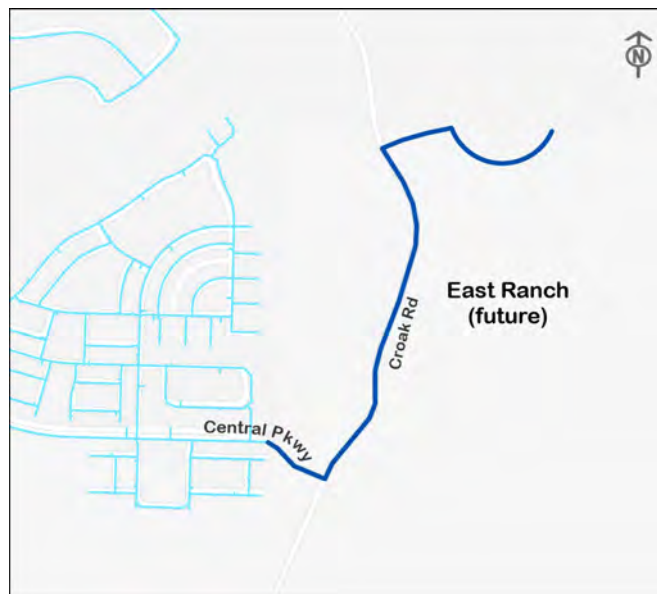
Reference: Eastern Dublin General Plan Amendment and Specific Plain EIR (1993); East Dublin Properties Stage I Development and Annexation Supplemental EIR (2020); Fallon Village Supplemental EIR (2005)

Fund Allocation Basis: Project is required to support future water customers.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
0	0	25,000	475,000	0	0	0	0	0	0	0	0

Total Estimated Project Cost	\$500,000
Current Adopted Budget	\$0
Increase/(Decrease)	\$500,000



DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: WATER SYSTEM

Water Replacement (Fund 610)

CIP No. 00-W011 Water System Replacement and Rehabilitation PROGRAM

Funding Allocation: 100% 610

Project Manager: Jason Ching

Status: Continuing Program

Project Summary:

This program is an element of the District's Asset Management Program and will fund projects to upgrade, replace and improve water system infrastructure, including, but not limited to: distribution pipelines, valves, hydrants and related appurtenances, pumps and motors, and instrumentation and controls; to ensure the District provides uninterrupted water supply service. This program provides for the renewal or replacement of equipment on an as-needed basis or the upgrade of equipment as it becomes obsolete. This program may also be used to investigate issues that lead to the identification of projects that require the creation of a specific CIP project.

Assets expected to be replaced/rehabilitated over the two-year budget period FYEs 24 and 25 include: Pump Station 30A - Pump No. 1; Pump Station 300A - Pump No. 1; and cathodic protection improvements/upgrades greater than \$20,000.

Anticipated CEQA: To be determined based on individual projects funded by program.

Reference: District internal inspections and Asset Management Replacement Model

Fund Allocation Basis: Program required to replace or rehabilitate existing water fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
0	500,000	500,000	950,000	1,500,000	2,000,000	3,500,000	5,000,000	6,500,000	8,000,000	9,000,000	40,000,000

Total Estimated Project Cost **\$77,450,000**

Current Adopted Budget \$0

Increase/(Decrease) \$77,450,000

DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: WATER SYSTEM

Water Replacement (Fund 610)

CIP No. 17-A006 Field Operations Pavement Rehabilitation

Funding Allocation: 100% 610

Project Manager: Karla Castro

Status: Future Project

Project Summary:

This project will continue evaluating the existing paved access roads at District facilities excluding the wastewater treatment plant. The various access roads will be scheduled for repair, maintenance, or reconstruction based on the evaluation report. The roads were ranked by condition (fair, poor, very poor). Fair condition roads had minor cracking due to roots, lack of proper edging, poor drainage, and expansive soils. Poor condition roads were similar to fair condition roads but were more severe and noted by existing visual damage. Very poor condition roads had complex subsurface and geologic conditions that need in-depth study for recommended design and construction. Assessments will be made to evaluate the need for additional pavement for unimproved DSRSD easements where Field Operations staff are required to frequently access.

Anticipated CEQA: To be determined.

Reference: Summary Investigation Memorandum: DSRSD Reservoir Access Roads, CE&G, April 2018

Fund Allocation Basis: Project is required to maintain existing water assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
55,295	0	0	510,000	410,000	395,000	345,000	345,000	0	0	0	0

Total Estimated Project Cost **\$2,060,295**
 Current Adopted Budget \$1,235,000
 Increase/(Decrease) \$825,295



DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: WATER SYSTEM

Water Replacement (Fund 610)

CIP No. 20-W019 Automated Water Quality Monitoring

Funding Allocation: 100% 610

Project Manager: Irene Suroso

Status: Future Project

Project Summary:

This project will install water quality monitors at all District potable and recycled water reservoirs, pump stations and turnouts. Analyzers will focus on key water quality indicators such as chlorine, fluoride and ammonia as well as other useful parameters. Data collected from analyzers will be used to track water quality effects resulting from operational strategy improvements and facilities upgrades. Phase 1 would be a complete upgrade of the potable Turnout monitors. Phase 2 would be the addition of monitors at pumping facilities. Phase 3 would be the installation of appropriate monitors at reservoirs.

Anticipated CEQA: To be determined.

Reference: None

Fund Allocation Basis: Project is required to improve existing system water quality.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
0	0	0	300,000	300,000	300,000	0	0	0	0	0	0

Total Estimated Project Cost **\$900,000**
 Current Adopted Budget \$900,000
 Increase/(Decrease) \$0

DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: WATER SYSTEM

Water Replacement (Fund 610)

CIP No. 22-P027 Turnout 1 Pipeline Replacement

Funding Allocation: 100% 610

Project Manager: TBD

Status: Future Project

Project Summary:

This project will assess the current condition of and replace the Turnout 1 pipeline segment which crosses the Alamo Canal and serves as the primary transmission main for diverting flow from Turnout 1 . The 16" steel pipeline was originally installed in the 1960s and is a critical component of the District's distribution system. Intial results of pipeline condition assessment indicate that replacement is recommended via horizontal direciton drilling method across the Alamo Canal.

Anticipated CEQA: Categorical Exemption [CEQA Guideline 15302]

Reference: None.

Fund Allocation Basis: Project is required to replace existing water fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
15,673	0	0	348,000	781,000	0	0	0	0	0	0	0

Total Estimated Project Cost **\$1,144,673**

Current Adopted Budget \$26,000

Increase/(Decrease) \$1,118,673

DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: WATER SYSTEM

Water Replacement (Fund 610)

CIP No. T22-03 Camp Parks Water Lines Replacement

Funding Allocation: 100% 610

Project Manager: TBD

Status: Future Project

Project Summary:

This project will replace approximately 6,100 linear feet of 6 and 8 inch potable water mains with 8 inch water mains, between Adams Avenue, 8th Street, Davis Avenue and 10th Street; and approximately 9,200 linear feet of 6, 8 and 12 inch potable water mains with 8 and 12 inch water mains, between Davis Avenue, 6th Street, Monroe Avenue and 8th Street. The project includes new water and fire service lines, as well as hydrants and small pipelines to hydrants and buildings. The pipelines were installed in the 1950s and identified in our asset replacement model as pipelines that are in need of replacement. The pipelines in this area also have reduced flow rates due to interior pipe deterioration, which matches the predictions from the asset replacement model.

Anticipated CEQA: Categorical Exemption [CEQA Guideline 15302]

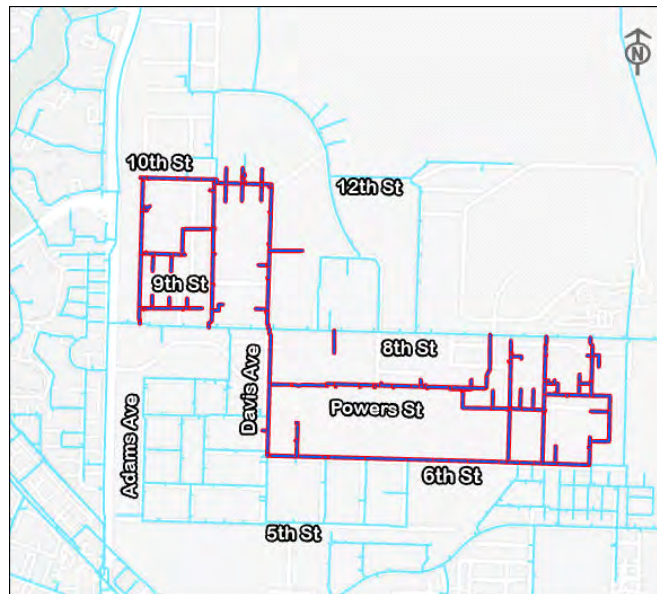
Reference: Water System Asset Replacement Model

Fund Allocation Basis: Project is required to replace existing water fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
0	0	0	4,990,000	1,300,000	5,000,000	5,000,000	0	0	0	0	0

Total Estimated Project Cost **\$16,290,000**
 Current Adopted Budget \$0
 Increase/(Decrease) \$16,290,000



DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: WATER SYSTEM

Water Replacement (Fund 610)

CIP No. T22-05 Reservoir 1A Chloramination Control System Upgrade

Funding Allocation: 100% 610

Project Manager: TBD

Status: Future Project

Project Summary:

This project will upgrade the potable water reservoir mixer and chloramination system controls at Reservoir 1A to be consistent with the controls at Reservoir 3B.

Anticipated CEQA: Categorical Exemption [CEQA Guideline 15302]

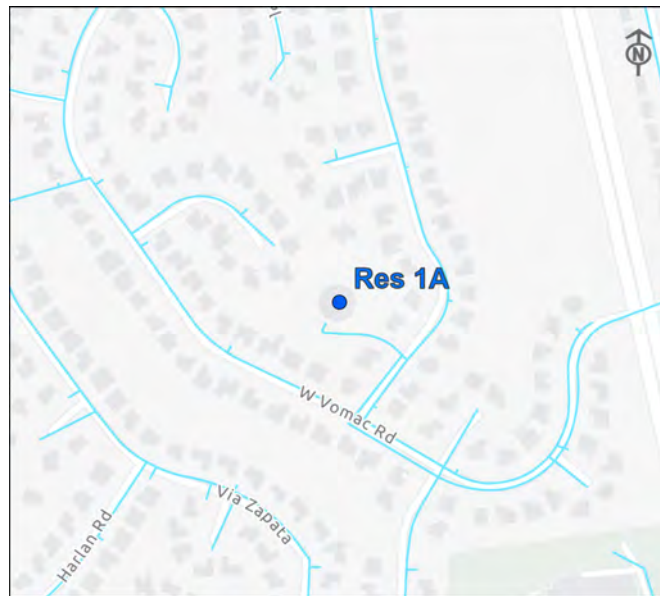
Reference: N/A

Fund Allocation Basis: Project is required to replace existing water fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
0	0	0	100,000	0	0	0	0	0	0	0	0

Total Estimated Project Cost **\$100,000**
 Current Adopted Budget \$0
 Increase/(Decrease) \$100,000



DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: WATER SYSTEM

Water Expansion (Fund 620)

CIP No. 08-6202 Pump Station 20A Improvements

Funding Allocation: 100% 620

Project Manager: TBD

Status: Future Project

Project Summary:

This project will add an additional pump to Pump Station 20A. The pump station was constructed with provisions for the addition of a fourth pump that matches the existing pumps. Pump Station 20B was sized assuming that this additional pump would be installed. The additional pump is needed to meet buildout pumping capacity in Pressure Zone 2 in eastern Dublin as identified in the 2016 Water Master Plan Update. This project includes modifications to the motor control center and controls required to accommodate the fourth pump.

Anticipated CEQA: City of Dublin, Eastern Dublin Specific Plan and General Plan Amendment EIR (May 1993)

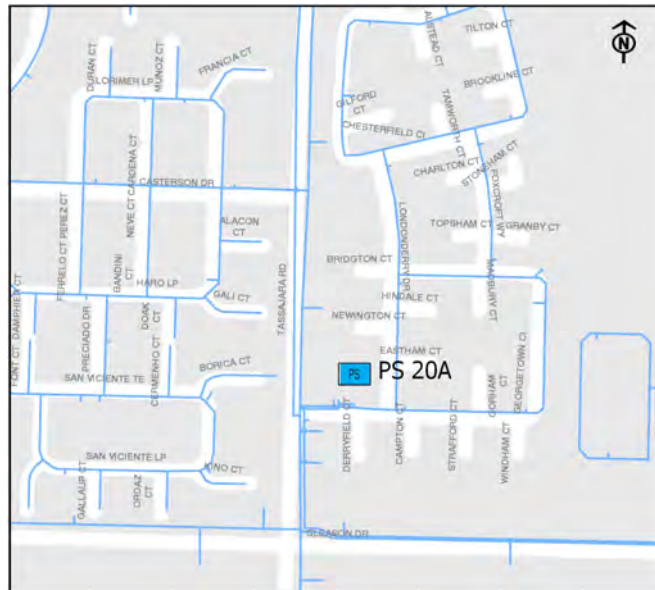
Reference: 2005 Basis of Design Report for Pump Station 20B; Eastern Dublin Specific Plan; 2016 Water Master Plan Update

Fund Allocation Basis: Project in support of future water customers.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
0	0	0	0	693,000	0	0	0	0	0	0	0

Total Estimated Project Cost **\$693,000**
 Current Adopted Budget **\$470,000**
 Increase/(Decrease) **\$223,000**



DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: WATER SYSTEM

Water Replacement (Fund 610)

CIP No. 16-A016 District Facilities Security Project - Phase 2

Funding Allocation: 90% 610 10% 310

Project Manager: TBD

Status: Future Project

Project Summary:

This project will 1) review past recommendations for physical security for the potable and recycled water facilities and the sewer lift stations, 2) inventory which recommendations have been implemented, either installed over the last few years or installed as part of the SCADA project (09-6101) and, 3) develop a plan and cost estimate for the remaining required improvements. The project cost will be revised in future years to include the cost of construction once the required improvements are defined. The project will incorporate the District's America's Water Infrastructure Act of 2018 (AWIA) Risk and Resilience Assessment recommendations.

Anticipated CEQA: Categorical Exemption [CEQA Guideline 15262 Feasibility and Planning]

Reference: Physical Security Risk Assessment, Pinkerton Consulting, April 2004
 America's Water Infrastructure Act (AWIA) Risk and Resilience Assessment Certification, December 2020

Fund Allocation Basis: Based on number of facilities associated with each fund.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
0	0	0	0	240,000	0	0	0	0	0	0	0

Total Estimated Project Cost **\$240,000**
 Current Adopted Budget \$150,000
 Increase/(Decrease) \$90,000

DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: WATER SYSTEM

Water Replacement (Fund 610)

CIP No. T16-28 Water Lines Replacement - Tamarack Drive - Village Pkwy to Firethorn Way

Funding Allocation: 100% 610

Project Manager: TBD

Status: Future Project

Project Summary:

This project will replace the existing 2,300 feet of 8-inch and 10-inch asbestos cement pipe (ACP) potable water lines in Tamarack Drive from Village Parkway to Firethorn Way, along with valves, hydrants, and services. The lines were installed in 1961. Staff reviewed the pipe repair history, corrosion information and the acoustic evaluation and have concluded that they are near the end of their useful lives and therefore should be replaced.

Anticipated CEQA: Statutory Exemption [CEQA Guideline 15282]

Reference: Asset Management Program

Fund Allocation Basis: Project is required to replace or rehabilitate existing water fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
0	0	0	0	0	205,000	1,355,000	0	0	0	0	0

Total Estimated Project Cost \$1,560,000

Current Adopted Budget \$0

Increase/(Decrease) \$1,560,000



DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: WATER SYSTEM

Water Replacement (Fund 610)

CIP No. T16-31 Water Line Replacement - Ironwood Drive

Funding Allocation: 100% 610

Project Manager: TBD

Status: Future Project

Project Summary:

This project will replace approximately 2,800 feet of existing 4-inch, 6-inch and 8-inch asbestos cement pipe (ACP) potable water lines in Ironwood Drive, Irving Way, Honey Court, and Ironwood Court, along with valves, hydrants, and services. The lines were installed in 1960. Staff reviewed the pipe repair history, corrosion information and the acoustic evaluation and have concluded that they are near the end of their useful lives and therefore should be replaced.

Anticipated CEQA: Statutory Exemption [CEQA Guideline 15282]

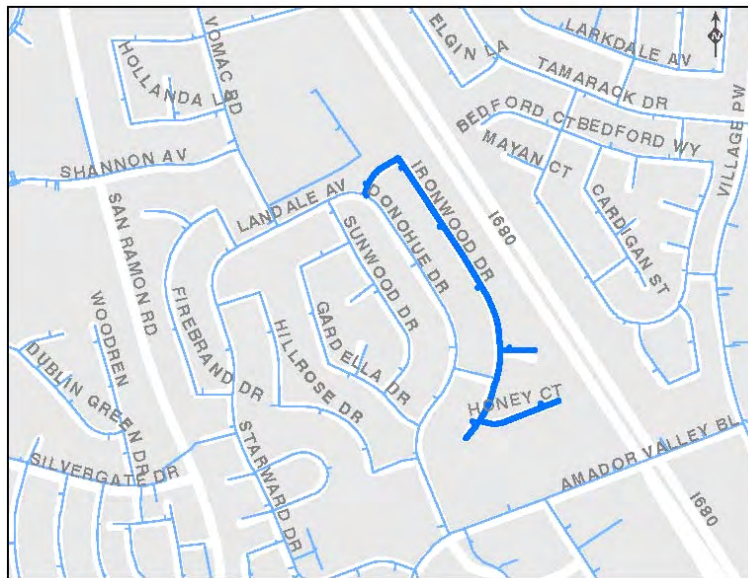
Reference: Asset Management Replacement Model

Fund Allocation Basis: Project is required to replace or rehabilitate existing water fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
0	0	0	0	0	0	0	1,830,000	0	0	0	0

Total Estimated Project Cost **\$1,830,000**
 Current Adopted Budget \$0
 Increase/(Decrease) \$1,830,000



DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: WATER SYSTEM

Water Replacement (Fund 610)

CIP No. T16-67 Reservoir Recoating PROGRAM

Funding Allocation: 100% 610

Project Manager: Jason Ching

Status: Future Program

Project Summary:

This project will recoat the interiors and paint the exteriors of potable and recycled reservoirs. The recoating and painting will provide corrosion control, extend the reservoir useful life and maintain facility aesthetics. There are four reservoirs, 3A, 200A, 20A, and 30A, that will require recoating between FYE 2027 through FYE 2033. Actual timing may be adjusted based on interior dive inspections that are completed once every five years. The next scheduled inspection will take place in 2026.

Anticipated CEQA: Categorical Exemption [CEQA Guideline 15302]

Reference: Asset Management Program

Fund Allocation Basis: Project is required to replace or rehabilitate existing water fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
0	0	0	0	620,000	0	0	0	0	1,950,000	2,800,000	9,370,000

Total Estimated Project Cost \$14,740,000

Current Adopted Budget \$0

Increase/(Decrease) \$14,740,000



DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: WATER SYSTEM

Water Replacement (Fund 610)

CIP No. 00-W002 Long-Term Water Resiliency PROGRAM

Funding Allocation: 75% 610 25% 620

Project Manager: Jan Lee

Status: Future Program

Project Summary:

This program will develop long-term projects to meet the objectives of the Water Resiliency Policy adopted by the Board of Directors on April 20, 2021. The program will focus on building water resiliency by working collaboratively with regional partners to implement a diverse portfolio of supply, storage and conveyance projects. The program may include a potable reuse project; participation in regional storage; desalination, and intertie projects; and/or supplemental groundwater projects to expand the recycled water program.

Anticipated CEQA: Environmental Impact Report

Reference: 2021 Alternative Water Supply Study: A Framework for a Resilient and Sustainable Water Future; 2016 Water Capacity Reserve Fee Study

Fund Allocation Basis: Based on the ratio of current water demands to projected build-out demands at the time of program inception.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
0	0	0	0	0	500,000	1,000,000	1,500,000	2,500,000	2,500,000	12,500,000	19,500,000

Total Estimated Project Cost **\$40,000,000**
 Current Adopted Budget \$40,000,000
 Increase/(Decrease) \$0

CIP 10-YEAR PLAN FYEs 2024 through 2033

** Listed according to project timing from earliest to latest*

CATEGORY: WASTEWATER COLLECTION

CIP No.	Project Name	Page
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DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: WASTEWATER COLLECTION

Local Wastewater Replacement (Fund 210)

CIP No. 14-S001 Camp Parks Sewer Rehabilitation Project - Goodfellow Ave North of 8th Street

Funding Allocation: 100% 210

Project Manager: Kevin Randeni

Status: Continuing Project

Project Summary:

This project will replace approximately 1,500 feet of 8-inch of vitrified clay pipe (VCP) sewer on Goodfellow Avenue north of 8th Street, including the siphon installed by the Federal Corrections Institute (FCI). This pipe has several cracks and fractures leading to high inflow and infiltration rates. The new alignment will include two lines on Westgate Parkway and Graham Lane connecting to a line running south on Goodfellow Ave to tie into the existing sewer on 8th St. Connections from the FCI housing will be modified to connect to the new sewer line.

Anticipated CEQA: Statutory Exemption [CEQA Guideline 15302]

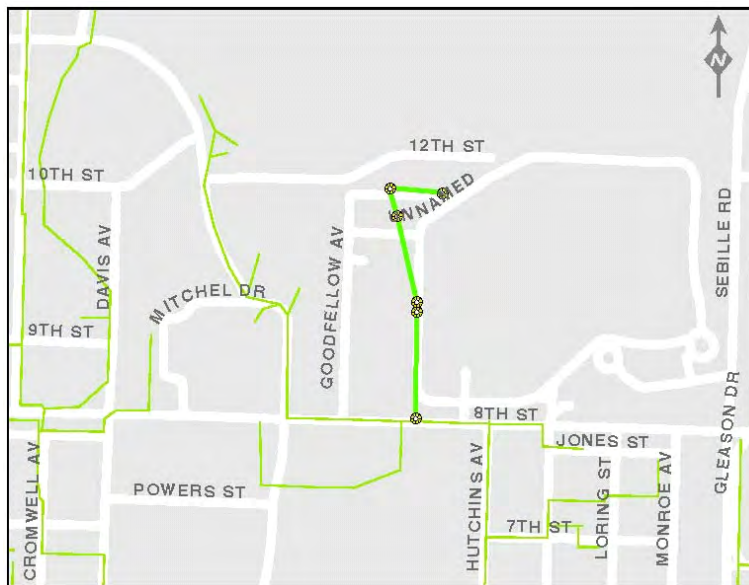
Reference: Camp Parks Privatization Study, WBA, July 1998

Fund Allocation Basis: Project is required to replace or rehabilitate existing local wastewater fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
119,822	150,000	1,300,000	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost **\$1,569,822**
 Current Adopted Budget \$812,090
 Increase/(Decrease) \$757,732



DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: WASTEWATER COLLECTION

Local Wastewater Replacement (Fund 210)

CIP No. 22-S008 Sewer Collection System Evaluation and Spot Repair

Funding Allocation: 100% 210

Project Manager: Rudy Portugal

Status: Continuing Project

Project Summary:

As part of the Asset Management Program for the collections system, sewer lines are periodically inspected and given a condition rating in accordance with the Pipeline Assessment Certification Program (PACP). The sewer lines with the most severe PACP structural condition ratings are identified as needing further review to determine necessary repairs. Data collected over the past several years indicate that there are 102 pipe segments that need further investigation to determine if spot repairs are necessary. This project will evaluate the pipe segments, and if a repair is warranted, determine the most cost-effective repair using standard technical specifications that have been developed as part of a previous collection system spot repair project. A variety of sewer line repair methods may be used, such as cured-in-place-pipe lining (CIPP) or open trenching. The current budget assumes that fifty pipe segments will require basic spot repairs. If certain segments require more complicated repair, additional construction funding may be required.

Anticipated CEQA: Categorical Exemption [CEQA Guideline 15301, 15302]

Reference: None

Fund Allocation Basis: Project is required to replace or rehabilitate existing local wastewater fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
0	50,000	250,000	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost **\$300,000**

Current Adopted Budget \$0

Increase/(Decrease) \$300,000

DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: WASTEWATER COLLECTION

Local Wastewater Expansion (Fund 220)

CIP No. 20-S014 Dublin Boulevard - Amador Plaza Road to Village Parkway Relief Sewer

Funding Allocation: 100% 220

Project Manager: Sukhpreet Mann

Status: Continuing Project

Project Summary:

This project will upsize 731 feet of 18-inch gravity main to 21-inch gravity main in Dublin Boulevard between Amador Plaza Road and Village Parkway. The 2017 Wastewater Collection System Master Plan included an evaluation of the collection system under future flow conditions. Based on the evaluation, improvements were recommended to eliminate future system deficiencies and to meet projected flows for future downtown development.

Anticipated CEQA: CEQA Initial Study/Mitigated Negative Declaration

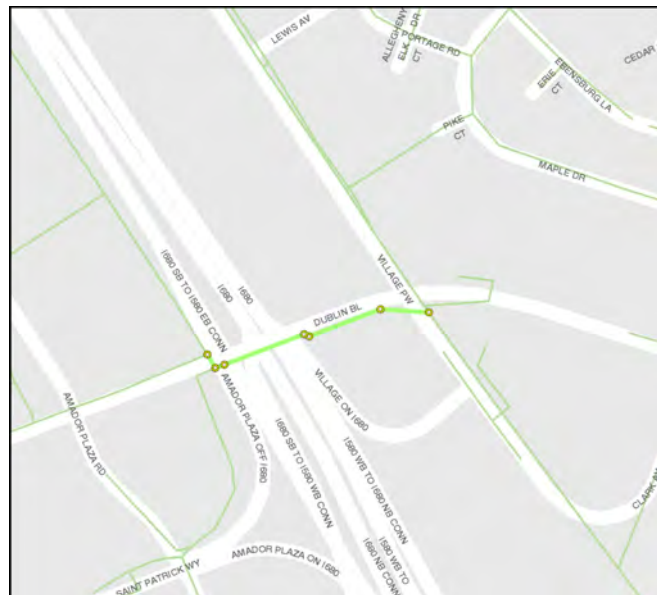
Reference: 2017 Wastewater Collection System Master Plan

Fund Allocation Basis: Project is required to convey future customer wastewater flows.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
87,744	100,000	115,000	865,000	0	0	0	0	0	0	0	0

Total Estimated Project Cost **\$1,167,744**
 Current Adopted Budget \$1,120,000
 Increase/(Decrease) \$47,744



DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: WASTEWATER COLLECTION

Local Wastewater Replacement (Fund 210)

CIP No. 24-S007 Wastewater Collection System Master Plan Update 2025

Funding Allocation: 75% 210 25% 220

Project Manager: Irene Suroso

Status: New Project

Project Summary:

This project will update the 2017 Wastewater Collection System Master Plan, a planning document used to ensure the overall wastewater collection system has adequate capacity to convey flow during a design storm without sanitary sewer overflow (SSO) for the near-term and long-term (buildout conditions). The Wastewater Collection System Master Plan is to be updated every five (5) years or as development necessitates.

Anticipated CEQA: Categorical Exemption [CEQA Guideline 15262 Feasibility and Planning Studies]

Reference: 2017 Wastewater Collection System Master Plan

Fund Allocation Basis: Based on the ratio of current wastewater flow to projected buildout demands.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
0	225,000	225,000	450,000	0	0	0	0	0	0	0	0

Total Estimated Project Cost \$900,000

Current Adopted Budget \$0

Increase/(Decrease) \$900,000

DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: WASTEWATER COLLECTION

Local Wastewater Replacement (Fund 210)

CIP No. 24-S020 Large Diameter Sewer Condition Assessment

Funding Allocation: 100% 210

Project Manager: TBD

Status: New Project

Project Summary:

As part of the Asset Management Program, this project will identify approximately 15,000 – 20,000 feet of larger lines that represent the greatest risk if failure were to occur and perform internal analysis using high technology equipment to assess their conditions. Data collected will include profiles, internal pipe corrosion, debris collection, etc. and will be used for improved maintenance management and CIP project identification. A similar condition assessment was completed in 2014.

Anticipated CEQA: Statutory Exemption [CEQA Guideline 15262 - Feasibility and Planning Studies]

Reference: None

Fund Allocation Basis: Project is required to replace or rehabilitate existing local wastewater fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
0	0	50,000	100,000	0	0	0	0	0	0	0	0

Total Estimated Project Cost **\$150,000**

Current Adopted Budget \$0

Increase/(Decrease) \$150,000

DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: WASTEWATER COLLECTION

Local Wastewater Replacement (Fund 210)

CIP No. 00-S020 Wastewater Collection System Replacement and Rehabilitation PROGRAM

Funding Allocation: 100% 210

Project Manager: Jason Ching

Status: Continuing Program

Project Summary:

This project will insure that uninterrupted sewer collection service is provided and will include, but are not limited to, repairing leaking pipes, pipe joints and manholes to reduce the amount of infiltration and inflow rates, which will reduce operating costs at the wastewater treatment plant and extend the LAVWMA wet weather capacity. Sewer lines and manholes will be repaired or replaced as identified by District staff annually.

Anticipated CEQA: To be determined based on each project funded by the program.

Reference: Asset Management Program

Fund Allocation Basis: Program is required to replace or rehabilitate existing local wastewater fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
0	150,000	150,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	2,500,000

Total Estimated Project Cost	\$4,800,000
Current Adopted Budget	\$0
Increase/(Decrease)	\$4,800,000

DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: WASTEWATER COLLECTION

Local Wastewater Replacement (Fund 210)

CIP No. 14-S002 Camp Parks Sewer Rehabilitation Project - 8th to 10th Streets

Funding Allocation: 100% 210

Project Manager: TBD

Status: Future Project

Project Summary:

This project will rehabilitate approximately 1,300 feet of 12-inch of vitrified clay pipe (VCP) sewer along Adams Avenue between 8th and 10th Streets; and approximately 2,600 feet of 12-inch of vitrified clay pipe (VCP) sewer along Davis and Cromwell Avenues between 8th and 10th Streets. The existing sewer has several cracks and fractures leading to high inflow and infiltration rates. The project may pipeburst, or slip line, or replace the pipe in their entirety.

Anticipated CEQA: Categorical Exemption [CEQA Guideline 15302]

Reference: Camp Parks Privatization Study, WBA, July 1998

Fund Allocation Basis: Project is required to replace or rehabilitate existing local wastewater fund assets.

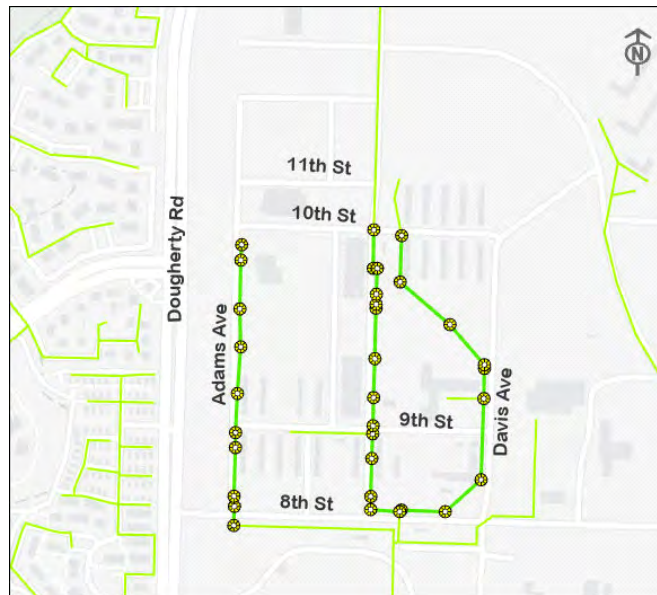
10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
36,063	0	0	440,000	2,100,000	0	0	0	0	0	0	0

Total Estimated Project Cost \$2,576,063

Current Adopted Budget \$811,063

Increase/(Decrease) \$1,765,000



DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: WASTEWATER COLLECTION

Local Wastewater Replacement (Fund 210)

CIP No. 18-S007 Alcosta Blvd Sewer Replacement
Funding Allocation: 100% 210

Project Manager: TBD

Status: Future Project

Project Summary:

The project will replace approximately 1,250 feet of 10-inch of vitrified clay pipe (VCP) sewer located in Alcosta Blvd from approximately at Village Parkway east to the Iron Horse Trail. The sags in the pipe make it impossible to TV to determine its condition and requires cleaning on frequent basis. The project will replace the sewer as needed to prevent potential sanitary sewer overflow (SSO) incidents.

Anticipated CEQA: Statutory Exemption [CEQA Guideline 15282]

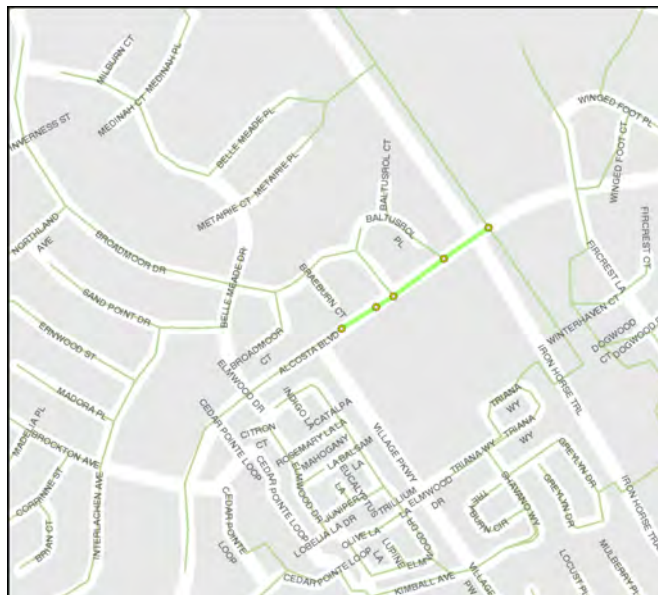
Reference: Asset Management Program

Fund Allocation Basis: Project is required to replace or rehabilitate existing local wastewater fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
0	0	0	163,250	686,375	0	0	0	0	0	0	0

Total Estimated Project Cost **\$849,625**
 Current Adopted Budget \$647,275
 Increase/(Decrease) \$202,350



DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: WASTEWATER COLLECTION

Local Wastewater Replacement (Fund 210)

CIP No. 18-S006 San Ramon Golf Course 24" Trunk Sewer Rehabilitation

Funding Allocation: 100% 210

Project Manager: TBD

Status: Future Project

Project Summary:

This section of existing 24-inch reinforced concrete pipe (RCP) installed in 1961 has deteriorated. Inspection records indicate the segment has lateral cracks and sags. The project will rehabilitate approximately 470 feet of the trunk sewer in the Iron Horse Trail at the San Ramon Valley Golf Course from about 1,500 feet north of Alcosta Blvd, south to about 1,000 feet north of Alcosta Blvd.

Anticipated CEQA: Statutory Exemption [CEQA Guideline 15282]

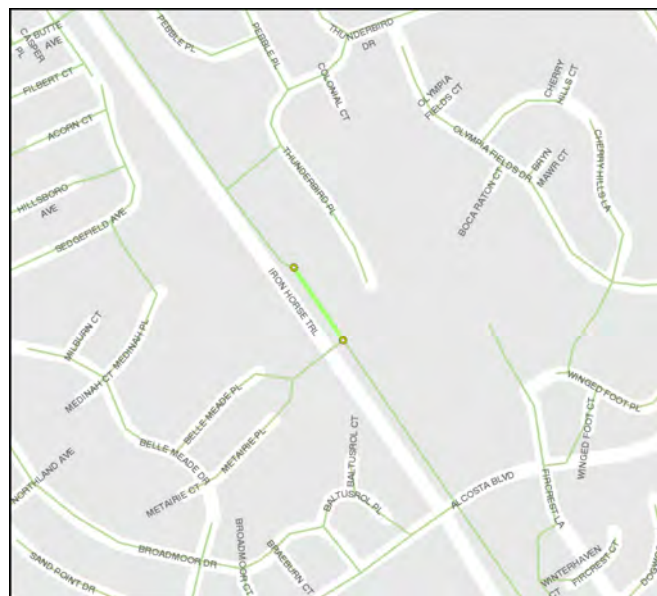
Reference: Asset Management Program: results of National Plant Services field investigation (CCTV, sonar, laser) of large diameter sewers

Fund Allocation Basis: Project is required to replace or rehabilitate existing local wastewater fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
0	0	0	0	130,000	495,000	0	0	0	0	0	0

Total Estimated Project Cost **\$625,000**
Current Adopted Budget **\$557,500**
Increase/(Decrease) **\$67,500**



DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: WASTEWATER COLLECTION

Local Wastewater Replacement (Fund 210)

CIP No. T16-50 Iron Horse Trail Sewer Replacement

Funding Allocation: 100% 210

Project Manager: TBD

Status: Future Project

Project Summary:

The project will replace approximately 1,650 feet of 8-inch and 10-inch of polyvinyl chloride pipe (PVC) and vitrified clay pipe (VCP) sewer located just north of the Alameda/Contra Costa County line that cross the Iron Horse Trail and the adjacent creek. The project will also add manholes; at this time, the manhole spacing makes TV inspection and cleaning problematic. The sags in the pipe make it impossible to TV to determine its condition and requires cleaning on frequent basis (3-month trouble spot). The project will replace the sewer and additional sewers upstream as needed to prevent the potential of sanitary sewer overflow (SSO) incidents.

Anticipated CEQA: Statutory Exemption [CEQA Guideline 15282]

Reference: District internal inspections, CMMS data; Asset Management Program

Fund Allocation Basis: Project is required to replace or rehabilitate existing local wastewater fund assets.

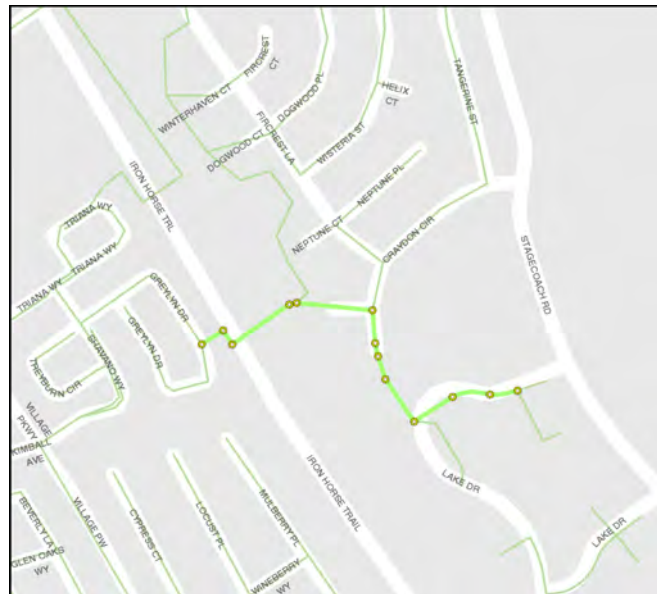
10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
0	0	0	0	195,000	935,000	0	0	0	0	0	0

Total Estimated Project Cost \$1,130,000

Current Adopted Budget \$0

Increase/(Decrease) \$1,130,000



DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: WASTEWATER COLLECTION

Local Wastewater Replacement (Fund 210)

CIP No. 08-2101 Donohue Dr/Vomac Rd Relief Sewer

Funding Allocation: 100% 210

Project Manager: TBD

Status: Future Project

Project Summary:

This project will upsize 2,400 feet of 8-inch to 12-inch gravity main starting on Vomac Road, continuing east to Ironwood Drive. There are three sub-basins that lead to the Donahue/Vomac area. One or all of these sub-basins are contributing to unusually high infiltration and inflow rate. The 8-inch gravity main in Donohue Drive between Gardella Drive and Hillrose Drive will be blocked to prevent splitting flow from the gravity main in Hillrose Drive to the gravity main in Donohue Drive. This blockage would prevent an extension of the required improvement project further to the southeast, which is located in easement area.

Anticipated CEQA: Categorical Exemption [CEQA Guideline 15302]

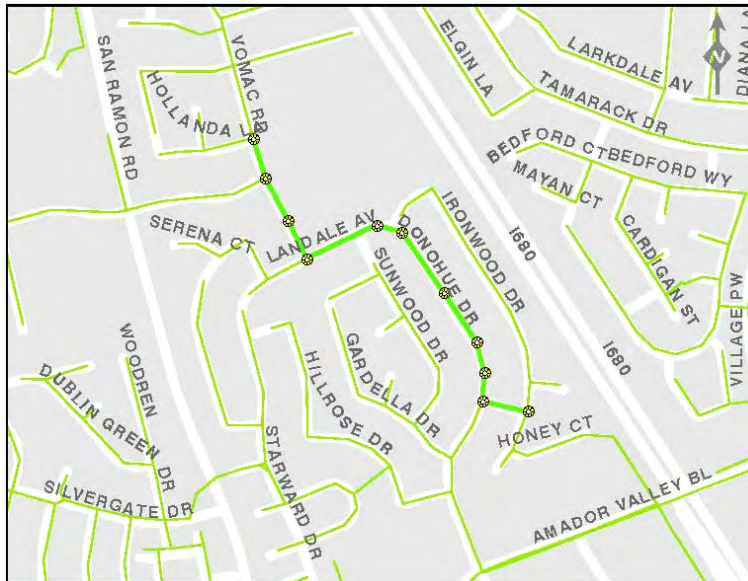
Reference: 2019 Wastewater Collection System Master Plan Update

Fund Allocation Basis: Project is required to replace or rehabilitate existing local wastewater fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
71,445	0	0	0	0	1,018,100	789,250	0	0	0	0	0

Total Estimated Project Cost **\$1,878,795**
 Current Adopted Budget \$1,651,445
 Increase/(Decrease) \$227,350



DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: WASTEWATER COLLECTION

Local Wastewater Expansion (Fund 220)

CIP No. 20-S028 Dublin Boulevard Extension Sewer Facilities

Funding Allocation: 100% 220

Project Manager: TBD

Status: Future Project

Project Summary:

The Alameda County Transportation Commission, Alameda County, and the cities of Dublin and Livermore have partnered on the Dublin Boulevard Extension Project (Extension Project), a 1.5-mile extension of Dublin Boulevard from Fallon Road in Dublin to North Canyons Parkway at Doolan Road in Livermore. To accommodate future development based on the City of Dublin’s General Plan, this project will construct 2,800 feet of 15-inch wastewater collection pipeline and associated appurtenances in Dublin Boulevard from Fallon Road to Croak Road in coordination with the project.

Anticipated CEQA: Final EIR – Dublin Blvd. – North Canyons Parkway Extension Project (City of Dublin) – August 2019

Reference: DSRSD 2019 Collection System Master Plan; DSRSD 2018 Local Wastewater Capacity Reserve Fee Study

Fund Allocation Basis: Project is required to convey future customer wastewater flows.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
46,140	0	0	0	0	188,000	1,215,000	0	0	0	0	0

Total Estimated Project Cost \$1,449,140

Current Adopted Budget \$1,360,000

Increase/(Decrease) \$89,140



DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: WASTEWATER COLLECTION

Local Wastewater Expansion (Fund 220)

CIP No. T20-04 Dublin Boulevard - Clark Avenue to Sierra Court Relief Sewer

Funding Allocation: 100% 220

Project Manager: TBD

Status: Future Project

Project Summary:

This project will upsize 1,048 feet of 10-inch gravity main to 12-inch gravity main in Dublin Boulevard between Clark Avenue and Sierra Court. The siphons proximate to these gravity mains are not included as part of the project. This project was recommended in the 2019 Wastewater Collection System Master Plan after extensive hydraulic evaluation.

Anticipated CEQA: Categorical Exemption [CEQA Guideline 15302]

Reference: 2019 Local Wastewater Collection System Master Plan

Fund Allocation Basis: Project is required to convey future customer wastewater flows.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
0	0	0	0	0	175,000	500,000	0	0	0	0	0

Total Estimated Project Cost **\$675,000**
 Current Adopted Budget **\$0**
 Increase/(Decrease) **\$675,000**



DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: WASTEWATER COLLECTION

Local Wastewater Replacement (Fund 210)

CIP No. T20-05 Dublin Court and Dublin Boulevard Sewer Replacement

Funding Allocation: 100% 210

Project Manager: TBD

Status: Future Project

Project Summary:

This project will replace approximately 300 feet of 10-inch pipe near the intersection of Dublin Blvd and Dublin Court. The pipeline travels under a drainage canal and has been damaged over time. A small liner was installed as a temporary repair until the segment can be replaced.

Anticipated CEQA: Categorical Exemption [CEQA Guideline 15302]

Reference: 2019 Local Wastewater Collection System Master Plan

Fund Allocation Basis: Project is required to replace existing local wastewater fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
0	0	0	0	0	200,000	550,000	0	0	0	0	0

Total Estimated Project Cost **\$750,000**
 Current Adopted Budget \$0
 Increase/(Decrease) \$750,000



DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: WASTEWATER COLLECTION

Local Wastewater Expansion (Fund 220)

CIP No. T20-06 Village Parkway - South of Dublin Boulevard Relief Sewer
Funding Allocation: 100% 220

Project Manager: TBD

Status: Future Project

Project Summary:

This project will upsize 1,262 feet of 36-inch and 39-inch gravity main to 42-inch gravity main in Village Parkway south of Dublin Boulevard. These gravity mains are recently lined but are still recommended for upsizing due to hydraulic deficiency. This project was recommended as part of the 2019 Wastewater Collection System Master Plan.

Anticipated CEQA: CEQA Initial Study/Mitigated Negative Declaration

Reference: 2019 Local Collection System Master Plan

Fund Allocation Basis: Project is required to convey future customer wastewater flows.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
0	0	0	0	0	0	0	0	275,000	2,557,000	0	0

Total Estimated Project Cost **\$2,832,000**
 Current Adopted Budget \$0
 Increase/(Decrease) \$2,832,000



CIP 10-YEAR PLAN FYEs 2024 through 2033

* Listed according to project timing from earliest to latest

CATEGORY: REGIONAL WASTEWATER TREATMENT

CIP No.	Project Name	Page
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05-3206	WWTP SCADA Improvements	130
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16-P024	WWTP Fire Alarm System Upgrades	132
16-P028	Biogas Treatment System Improvements	133
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18-P010	Biogas Flare Improvements	135
18-P016	Alum Addition	136
19-P003	WWTP Fencing and Security - Phase 2	137
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22-P009	Energy Facilities Master Plan	139
22-P021	Hypochlorite Building Replacement	140
23-P006	Johnson Drive Economic Development Zone Improvements	141
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22-P013	WWTP Process Assessment	148
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00-P026	WWTP Replacement and Rehabilitation PROGRAM	151
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18-P014	WWTP Recycled and Potable Water Systems	152
22-P010	WWTP HVAC Replacements	153
22-P011	WWTP Roof Replacements	154
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CIP 10-YEAR PLAN FYEs 2024 through 2033

** Listed according to project timing from earliest to latest*

CATEGORY: REGIONAL WASTEWATER TREATMENT

CIP No.	Project Name	Page
T16-11	WWTP Motor Control Center and Distribution Panel "A" Improvements	160
T20-15	Flocculation Baffles in Secondary Clarifiers	161
T18-15	Cogeneration Engine Replacement	162
T22-18	Inner Sewer Flow Metering	163
20-P010	Cogeneration Engine #4	164
T12-08	Cover Settled Sewage Channel and Selector	165
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T10-62	Emergency Power for Distribution Panel-D	168
T16-42	Nutrient Removal	169

DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: REGIONAL WASTEWATER TREATMENT

Regional Wastewater Replacement (Fund 310)

CIP No. 05-3206 WWTP SCADA Improvements

Funding Allocation: 100% 310

Project Manager: Jason Ching

Status: Continuing Project

Project Summary:

This project will upgrade the wastewater treatment plant's Supervisory Control and Data Acquisition (SCADA) communication network, replace and program the programmable logic controllers (PLCs), replace the servers, install a new database repository for historical data and acquire a web portal to view SCADA data over the District's business network. This project will involve complex construction sequencing to allow for parallel SCADA systems during implementation as the plant processes cannot be interrupted, and require thorough testing of the PLC programming and communication system to assure reliable plant operation after cut-over to the new system. The scope also includes the replacement of VFDs for nine pumps at the WWTP - Influent Pumps 3 and 4; RAS Pump No. 4; EPS1 Pump No. 1, 3 and 5; and EPS2 Pump No. 2, 3 and 4; improvements to the existing fiber optic network; modifications to the Building A SCADA server room; new reporting and alarm notification software; and the installation of uninterruptible power supplies in the Building A server room.

Anticipated CEQA: Categorical Exemption [CEQA Guideline 15302]

Reference: SCADA System Master Plan, March 2010

Fund Allocation Basis: Project is required to replace or rehabilitate existing regional wastewater fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
2,319,546	700,800	6,459,200	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost **\$9,479,546**

Current Adopted Budget \$4,664,305

Increase/(Decrease) \$4,815,241



DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: REGIONAL WASTEWATER TREATMENT

Regional Wastewater Replacement (Fund 310)

CIP No. 14-P005 Wet Weather Flow Capacity
Funding Allocation: 85% 310 15% 320

Project Manager: Kevin Randeni

Status: New Project

Project Summary:

This project will remove a divider wall between the chlorine contact tank (CCT) influent channel and the CCT and remove the weir in the chlorine junction box to allow greater flows through these structures. When the wastewater treatment plant flow is greater than 37 mgd, the secondary clarifiers have the potential to overflow due to hydraulic constraints downstream of the clarifiers. During the 2022/2023 winter storms, the hydraulic constraints downstream of the secondary clarifiers and upstream of the CCT caused wastewater treatment plant operations to utilize additional pumping to prevent flooding of the secondary clarifiers.

Anticipated CEQA: Mitigated Negative Declaration approved by Board on 8/17/1999

Reference: Secondary Effluent Wet Weather Capacity Review, RMC, August 2014; 2017 WWTP and Biosolids Master Plan.

Fund Allocation Basis: Based on current vs projected buildout average dry weather flow at the time of project inception.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
0	614,000	250,000	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost **\$864,000**
 Current Adopted Budget \$0
 Increase/(Decrease) \$864,000



DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: REGIONAL WASTEWATER TREATMENT

Regional Wastewater Replacement (Fund 310)

CIP No. 16-P024 WWTP Fire Alarm System Upgrades

Funding Allocation: 100% 310

Project Manager: Karla Castro

Status: Continuing Project

Project Summary:

The wastewater treatment plant currently has four different fire alarm controls panels (FACP) on two separate systems. Two of the FACPs are obsolete and the other two are crude remotes to the primary systems at Building A and Building R. There are separate dialers with two phones lines (primary and backup) for each system. This configuration complicates the maintenance and testing of the systems. This project will integrate the entire system into a single FACP that could be easily networked and expanded as needed. Some of the existing infrastructure (i.e. smoke detectors, strobes, pull stations, etc.) will be utilized to the extent possible which should reduce cost and labor. The upgrade will also include other items such as adding fire alarm notification devices to the first and second floors of Building A, tying in flow switch (at riser) to FACP, panel programming, and fire alarm drawings that will improve staff's ability to maintain and repair the system.

Anticipated CEQA: Categorical Exemption [CEQA Guideline 15301]

Reference: Staff recommendation

Fund Allocation Basis: Project is required to replace or rehabilitate existing regional wastewater fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
204,150	332,100	392,900	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost	\$929,150
Current Adopted Budget	\$204,150
Increase/(Decrease)	\$725,000

DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: REGIONAL WASTEWATER TREATMENT

Regional Wastewater Expansion (Fund 320)

CIP No. 16-P028 Biogas Treatment System Improvements

Funding Allocation: 67% 320 33% 310

Project Manager: Jason Ching

Status: Continuing Project

Project Summary:

The existing biogas scrubber cleans and pressurizes biogas prior to being sent to the cogeneration engines. Clean biogas improves engine efficiency and assists in meeting BAAQMD regulations at cogen. Improvements to the anaerobic digestion system (i.e., Digester No. 4), primary sedimentation process and the fats, oil and grease (FOG) station will increase biogas production. Additional treatment capacity is required to manage the increased biogas flows. Additional gas will need to be cleaned prior to sending it to cogen. This project will upgrade the existing biogas treatment system, including the installation of a third treatment train, replacement of the new gas compressors on the existing biogas skids, and improvements to the instrumentation and controls.

Anticipated CEQA: Categorical Exemption [CEQA Guideline 15303]

Reference: 2017 Wastewater Treatment Plant and Biosolids Master Plan

Fund Allocation Basis: Based on 140 scfm current gas flow vs 430 scfm new gas flow after improvements

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
1,236,272	236,000	1,563,000	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost **\$3,035,272**
 Current Adopted Budget \$4,430,767
 Increase/(Decrease) (\$1,395,495)



DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: REGIONAL WASTEWATER TREATMENT

Regional Wastewater Expansion (Fund 320)

CIP No. 17-P004 Primary Sedimentation Expansion and Improvements
Funding Allocation: 85% 320 15% 310

Project Manager: Jackie Yee

Status: Continuing Project

Project Summary:

This project includes the construction of one additional primary sedimentation tank and the partial demolition and replacement of one of the existing primary sedimentation tanks at the wastewater treatment plant. The project also includes the installation of an additional grit tank, the replacement of the internal mechanisms in the three remaining primary sedimentation tanks, and the replacement of the motor control center. The additional primary sedimentation tank provides the treatment capacity needed for current and buildout flows.

Anticipated CEQA: Initial Study/Mitigated Negative Declaration

Reference: 2017 Wastewater Treatment Plant and Biosolids Master Plan

Fund Allocation Basis: Based on ratio of WWTP flow at which project was estimated to be required to WWTP buildout flow per the 2007 WWTP Master Plan Update.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
19,280,000	100,000	0	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost **\$19,380,000**
 Current Adopted Budget \$19,380,000
 Increase/(Decrease) \$0



DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: REGIONAL WASTEWATER TREATMENT

Regional Wastewater Replacement (Fund 310)

CIP No. 18-P010 Biogas Flare Improvements

Funding Allocation: 100% 310

Project Manager: Jason Ching

Status: Continuing Project

Project Summary:

This project will replace the existing biogas flare at the wastewater treatment plant. Typically, all biogas is used to power the cogeneration engines after the gas is scrubbed. If the gas scrubber is out of service, or if cogen is offline, biogas must be vented to prevent overpressurization of the digesters. The flare cleanly burns the biogas under a BAAQMD permit. This project will evaluate and replace the existing biogas flare. Additional permitting may be required through the BAAQMD.

Anticipated CEQA: Categorical Exemption [CEQA Guideline 15302]

Reference: DSRSD Wastewater Treatment Plant Digester Gas Treatment Master Plan, September 2019, Black and Veatch

Fund Allocation Basis: Project is required to replace or rehabilitate existing regional wastewater fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
495,434	2,543,500	877,000	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost **\$3,915,934**
 Current Adopted Budget \$1,555,000
 Increase/(Decrease) \$2,360,934



DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: REGIONAL WASTEWATER TREATMENT

Regional Wastewater Replacement (Fund 310)

CIP No. 18-P016 Alum Addition

Funding Allocation: 75% 310 25% 320

Project Manager: Kevin Randeni

Status: Continuing Project

Project Summary:

This project will construct facilities to add alum to the facultative sludge lagoon return water. The addition of alum will precipitate phosphate from the return water and reduce the formation of struvite. Currently, one of the strategies to avoid the formation of struvite at the wastewater treatment plant (WWTP) is to run the WWTP in a mode where the phosphate remains in the liquid process and exits the WWTP with the effluent, rather than remaining in the biosolids and forming struvite in the digesters. However, this mode of operation is not as effective in producing a consistently high quality effluent. The addition of alum will allow the WWTP to operate in an alternate mode that will produce a better settling sludge and higher quality effluent, thus eliminating the need for an additional clarifier.

Anticipated CEQA: Categorical Exemption [CEQA Guideline 15302]

Reference: 2017 Wastewater Treatment Plant and Biosolids Master Plan

Fund Allocation Basis: Project is required to improve current operations; based on current vs. projected buildout average dry weather flow at the time of project inception.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
2,073,080	95,000	0	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost **\$2,168,080**
 Current Adopted Budget \$2,168,080
 Increase/(Decrease) \$0



DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: REGIONAL WASTEWATER TREATMENT

Regional Wastewater Replacement (Fund 310)

CIP No. 19-P003 WWTP Fencing and Security - Phase 2

Funding Allocation: 100% 310

Project Manager: Rudy Portugal

Status: Continuing Project

Project Summary:

This project will improve security along the wastewater treatment plant (WWTP) perimeter. This project will install 8-foot tall vinyl coated fence along the south, west and north border of the WWTP. It will also include screening landscaping where space permits. Fencing and landscaping along the eastern border of the WWTP was completed in conjunction with the construction of the fourth digester in 2019.

Anticipated CEQA: Negative Declaration approved May 19, 1998

Reference: Physical Security Risk Assessment, Pinkerton Consulting, April 2004.

Fund Allocation Basis: Project is required to replace or rehabilitate existing regional wastewater fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
299	300,000	1,510,000	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost **\$1,810,299**
 Current Adopted Budget \$1,210,000
 Increase/(Decrease) \$600,299



DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: REGIONAL WASTEWATER TREATMENT

Regional Wastewater Replacement (Fund 310)

CIP No. 21-P009 East Amador Lift Station Rehabilitation

Funding Allocation: 100% 310

Project Manager: Sukhpreet Mann

Status: Continuing Project

Project Summary:

The District has operated and maintained the East Amador Lift Station (EALS) for the City of Pleasanton in accordance with the DSRSD-City of Pleasanton Agreement for Water Disposal Services (1992). Staff is concerned that without major improvements to EALS, the pump station is at risk of failure which could lead to significant disruptions in sewer service for the City. The pumps and their variable frequency drives are at the end of their useful life. The flow meters and pump controllers also need to be upgraded. The dry well structure is in poor condition and the dry well elevator frequently malfunctions. This project will replace the aforementioned equipment. The project will be managed by DSRSD but 100 percent funded by the City of Pleasanton.

Anticipated CEQA: Categorical Exemption [CEQA Guideline 15302]

Reference: DSRSD-Pleasanton Agreement for Water Disposal Services (1992)

Fund Allocation Basis: Project is required to replace or rehabilitate existing regional wastewater fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
460,886	600,000	0	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost **\$1,060,886** **DSRSD Net Cost: \$0**
 Current Adopted Budget \$1,500,000 Other Funding: City of Pleasanton \$1,500,000
 Increase/(Decrease) (\$439,114)



DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: REGIONAL WASTEWATER TREATMENT

Regional Wastewater Replacement (Fund 310)

CIP No. 22-P009 Energy Facilities Master Plan

Funding Allocation: 64% 310 28% 610 7% 320 1% 210

Project Manager: Jason Ching

Status: Continuing Project

Project Summary:

The Energy Facilities Master Plan will evaluate the existing processes and operations for the wastewater treatment plant, wastewater collection system, water distribution system, administrative and field office facilities, and fleet assets; and develop an adaptable, financially sustainable framework of strategies to reduce energy demand, increase efficiency, and improve conservation practices; maximize energy production through the expansion, improvement, or addition of new renewable energy sources; enhance energy system reliability and resiliency; and reduce greenhouse gas emissions. The project will also assess current and future federal, state, and local environmental mandates, and develop long-term strategies to meet those requirements.

Anticipated CEQA: Categorical Exemption [CEQA Guideline 15262 Feasibility and Planning]

Reference: Strategic Plan Goal No. 8

Fund Allocation Basis: Based on ratio of energy used at wastewater treatment plan versus water facilities.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
1,357,867	842,133	0	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost **\$2,200,000**

Current Adopted Budget \$2,200,000

Increase/(Decrease) \$0

DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: REGIONAL WASTEWATER TREATMENT

Regional Wastewater Replacement (Fund 310)

CIP No. 22-P021 Hypochlorite Building Replacement
Funding Allocation: 100% 310

Project Manager: Kevin Randeni

Status: Continuing Project

Project Summary:

The existing hypochlorite storage building at the wastewater treatment plant was constructed in 1992. There are four sodium hypochlorite bulk storage tanks at the wastewater treatment plant. New tanks were purchased in 2020, but prior to installation a structural evaluation of the hypochlorite storage building was conducted. Extensive deterioration was observed in the building’s floor and equipment pads, caused by exposure to occasional hypochlorite spills over the years. The evaluation also identified seismic upgrades necessary to bring the building up to current building codes. Based on the results of the evaluation, it is recommended to construct a new facility, as opposed to rehabilitating the existing facility. This project will include design services and construction of the replacement facility.

Anticipated CEQA: Categorical Exemption [CEQA Guideline 15302]

Reference: Hypochlorite Storage Building Evaluation, Carollo Engineers, September 2022

Fund Allocation Basis: Project is required to replace existing regional wastewater fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
397,475	2,899,000	2,569,000	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost **\$5,865,475**
 Current Adopted Budget \$640,000
 Increase/(Decrease) \$5,225,475



DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: REGIONAL WASTEWATER TREATMENT

Regional Wastewater Replacement (Fund 310)

CIP No. 23-P006 Johnson Drive Economic Development Zone Improvements

Funding Allocation: 100% 310

Project Manager: Ryan Pendergraft

Status: Continuing Project

Project Summary:

The Johnson Drive Economic Development Zone (EDZ) is a project initiated by the City of Pleasanton to spur investment in 40-acres of mostly under-utilized or vacant land situated along Johnson Drive near I-680 and Stoneridge Drive. The project will expand Johnson Drive and Stoneridge Drive, including the land where the current intersection is located. This expansion includes plans to utilize a portion of what is the District’s current Dedicated Land Disposal (DLD) site. In May 2021, the City of Pleasanton obtained easement rights and entered into a purchase agreement with the District for use of the portion of land. Two pipelines critical to DSRSD’s wastewater treatment and conveyance are proposed to be partially relocated out of the busy intersection into an area which is more suitable for maintenance. While the City of Pleasanton initiated the project, as the property owner, the District will oversee project and construction management, design, and administration of property rights and easements to ensure there are minimal disruptions to critical treatment and conveyance services.

Anticipated CEQA: Johnson Drive EDZ Recirculated Final Supplemental Environmental Impact Report (November 2019)

Reference: Johnson Drive EDZ Supplemental Economic Development Zone Analysis (July 2019)

Fund Allocation Basis: This project is required to replace or rehabilitate existing regional wastewater fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
20,000	65,000	0	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost	\$85,000
Current Adopted Budget	\$85,000
Increase/(Decrease)	\$0

DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: REGIONAL WASTEWATER TREATMENT

Regional Wastewater Replacement (Fund 310)

CIP No. 23-P015 Heat Exchanger Replacement at Anaerobic Digester Nos. 1 and 2

Funding Allocation: 100% 310

Project Manager: Karla Castro

Status: Continuing Project

Project Summary:

This project will investigate potential manufacturers and replace the heat exchangers at Digester Nos. 1 and 2 at the wastewater treatment plant. These heat exchangers were installed in 2000 and have reached the extent of their useful life of about 20 years. Procurement lead times for heat exchangers of in kind replacement are currently estimated at 60 weeks.

Anticipated CEQA: Categorical Exemption [CEQA Guideline 15302]

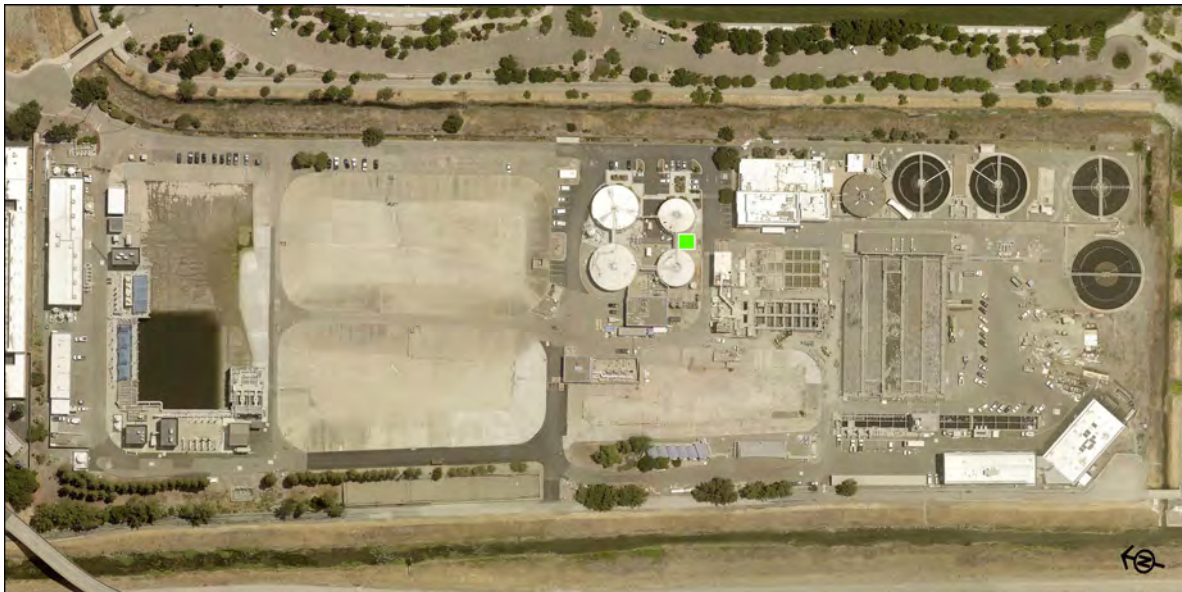
Reference: None

Fund Allocation Basis: Project is required to replace existing regional wastewater fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
100,000	75,000	0	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost **\$175,000**
 Current Adopted Budget \$0
 Increase/(Decrease) \$175,000



DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: REGIONAL WASTEWATER TREATMENT

Regional Wastewater Replacement (Fund 310)

CIP No. 24-P001 WWTP Sluice/Slide Gate Replacements

Funding Allocation: 100% 310

Project Manager: Kevin Randeni

Status: New Project

Project Summary:

This project will replace a number of aging and/or failing sluice/slide gates located within the wastewater treatment plant (WWTP). Ten gates for replacement have been identified and prioritized, including the sluice/slides gates for the return activated sludge (RAS) system, aeration basins, and the Pleasanton turnout structure. Project budget includes cost for purchase and installation of new gates.

Anticipated CEQA: Categorical Exemption [CEQA Guideline 15302]

Reference: None

Fund Allocation Basis: Project is required to replace existing regional wastewater fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
0	105,000	105,000	105,000	105,000	105,000	0	0	0	0	0	0

Total Estimated Project Cost **\$525,000**
 Current Adopted Budget \$0
 Increase/(Decrease) \$525,000



DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: REGIONAL WASTEWATER TREATMENT

Regional Wastewater Replacement (Fund 310)

CIP No. 24-P002 Cogeneration System Improvement and Upgrades
Funding Allocation: 100% 310

Project Manager: Shawn Quinlan

Status: New Project

Project Summary:

The District has developed asset management models that estimate the rehabilitation and replacement year and cost for each asset based on the age and type of the asset. Based on the asset replacement model, multiple assets that support the operation of the wastewater treatment plant's cogeneration system are nearing the end of their useful lives and due for either rehabilitation or replacement. The project includes but is not limited to, the replacement of various heat exchangers, cylinder heads, catalytic converters, fuel system components, water pumps, alternators and other miscellaneous parts. The project will also include the replacement of the electric hoist that is used to maintain the three cogeneration engines.

Anticipated CEQA: Categorical Exemption [CEQA Guideline 15302]

Reference: None

Fund Allocation Basis: Project is required to replace existing regional wastewater fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
0	550,000	470,000	470,000	0	0	0	0	0	0	0	0

Total Estimated Project Cost	\$1,490,000
Current Adopted Budget	\$0
Increase/(Decrease)	\$1,490,000

DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: REGIONAL WASTEWATER TREATMENT

Regional Wastewater Replacement (Fund 310)

CIP No. 24-P003 Sewer Loading Study

Funding Allocation: 100% 310

Project Manager: Steven Delight

Status: New Project

Project Summary:

The purpose of this study is to assess the organic and solids loading rates to the wastewater treatment plant. The study, which is proposed over a period of at least two years, will endeavor to collect the biochemical oxygen demand (BOD) and total suspended solids (TSS) loading rates at various locations throughout the wastewater collection system. The results of this investigation will be used to inform the next wastewater rate study.

Anticipated CEQA: Categorical Exemption [CEQA Guideline 15306]

Reference: None

Fund Allocation Basis: Project is required to replace existing regional wastewater fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
0	98,000	97,000	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost **\$195,000**

Current Adopted Budget \$0

Increase/(Decrease) \$195,000

DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: REGIONAL WASTEWATER TREATMENT

Regional Wastewater Replacement (Fund 310)

CIP No. 24-P004 WWTP Building B Cable Bus

Funding Allocation: 100% 310

Project Manager: Maurice Atendido

Status: New Project

Project Summary:

The bus duct in Building B at the wastewater treatment plant provides power to the aeration blowers motor control center. Recent inspections of the bus duct indicate it may be susceptible to premature failure and/or pose an electrical hazard. The project includes the replacement of the bus duct with a cable bus system.

Anticipated CEQA: Categorical Exemption [CEQA Guideline 15302]

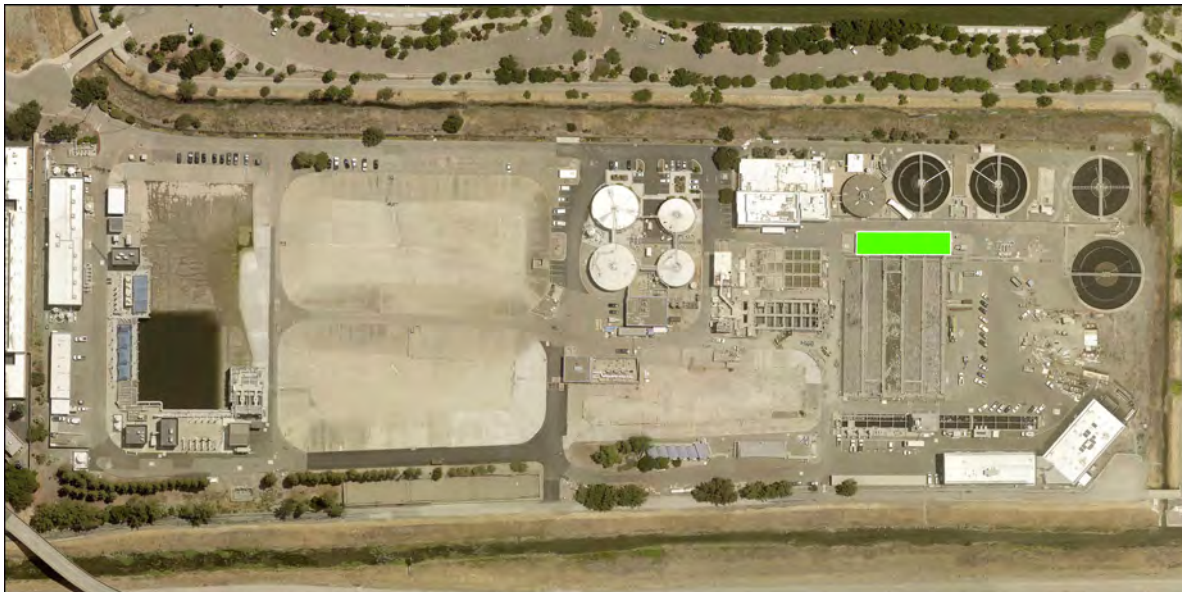
Reference: None

Fund Allocation Basis: Project is required to replace existing regional wastewater fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
0	160,000	0	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost \$160,000
 Current Adopted Budget \$0
 Increase/(Decrease) \$160,000



DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: REGIONAL WASTEWATER TREATMENT

Regional Wastewater Expansion (Fund 320)

CIP No. 18-P013 Biosolids Dewatering Facility

Funding Allocation: 100% 320

Project Manager: Kevin Randeni

Status: New Project

Project Summary:

The water content of the biosolids harvested from District's facultative sludge lagoons (FSLs) limits the amount of biosolids that can be placed on the dedicated land disposal (DLD) site. With this limitation, the FSLs are slowly accumulating biosolids. The current land application of biosolids on the DLD is by far the most cost-effective solution for biosolids management. To continue using the DLD for biosolids disposal, the biosolids need to be dewatered. This project will construct a new biosolids dewatering facilities at the DLD site. The dewatering of biosolids will allow the DLD to continue to be the primary method of sludge disposal. Should the District wish to diversify biosolids management or take advantage of new technologies to recover biosolids as a resource, dewatering will be required. Therefore, dewatering is a near term solution for biosolids disposal that will also move the District toward diversifying its biosolids management in the long term. This project is required for both options of continuing with DLD disposal or participation in a regional biosolids facility.

Anticipated CEQA: To be determined.

Reference: 2017 Wastewater Treatment Plant and Biosolids Master Plan

Fund Allocation Basis: Project is required to meet the needs for biosolids disposal for future customers.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
0	0	258,000	1,501,000	5,514,000	12,235,500	7,344,500	0	0	0	0	0

Total Estimated Project Cost \$26,853,000

Current Adopted Budget \$26,845,000

Increase/(Decrease) \$8,000



DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: REGIONAL WASTEWATER TREATMENT

Regional Wastewater Replacement (Fund 310)

CIP No. 22-P013 WWTP Process Assessment

Funding Allocation: 100% 310

Project Manager: Jason Ching

Status: Continuing Project

Project Summary:

This project will support assessment of wastewater treatment plant assets to determine future rehabilitation projects. The project will fund various specialty inspection and consulting services, including but not limited to, corrosion control and coatings, odor control, structural engineering, and flow monitoring. Examples of assessments include an evaluation of flow and loading to various unit processes, integrity of channel covers in the commutator room and return activated sludge channel, condition of and back-up to the plant process water system, structural evaluations of sludge thickening facilities, condition assessment of slide gates, condition assessment of concrete structures, condition assessment of coatings, process pipelines inspection and useful life determination, and efficiency of odor control processes. Funding is only included for assessments. The results of the assessments will inform future projects.

Anticipated CEQA: Not a project under CEQA [CEQA Guideline 15378]

Reference: None

Fund Allocation Basis: Project is required to replace or rehabilitate existing regional wastewater fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
27,700	0	155,000	125,000	0	0	0	0	0	0	0	0

Total Estimated Project Cost **\$307,700**
 Current Adopted Budget \$275,000
 Increase/(Decrease) \$32,700

DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: REGIONAL WASTEWATER TREATMENT

Regional Wastewater Replacement (Fund 310)

CIP No. 24-P005 LIMS Upgrade

Funding Allocation: 60% 310 40% 610

Project Manager: Kristy Fournier

Status: New Project

Project Summary:

This project will upgrade the existing Laboratory Information Management System software from version 6.7 to 7.1 and add two user licenses. The upgrade will include data migration solution of existing data and installation, testing and training of the LABWORKS Inventory Module and LABWORKS eLIMS Module. Training will be provided on new features and specific requests by District staff. Laboratory and Information Technology staff will work with vendor and a consultant to configure the software, test, train and implement the software to meet the laboratory's current workflow, reporting needs, and to aid with the State Water Board's Environmental Laboratory Accreditation Program (ELAP) TNI Quality System. The District's laboratory produces data for compliance purposes and must adhere to ELAP's new Quality Standards.

Anticipated CEQA: Not a project under CEQA [CEQA Guideline 15378]

Reference: None

Fund Allocation Basis: Based on the percentage of water and wastewater samples analyzed at the laboratory.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
0	0	776,000	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost **\$776,000**
 Current Adopted Budget \$0
 Increase/(Decrease) \$776,000

DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: REGIONAL WASTEWATER TREATMENT

Regional Wastewater Replacement (Fund 310)

CIP No. 24-P006 DAFT System Improvements and Upgrades FYE 24-25
Funding Allocation: 100% 310

Project Manager: Shawn Quinlan

Status: New Project

Project Summary:

The District has developed asset management models that estimate the rehabilitation and replacement year and cost for each asset based on the age and type of the asset. Based on the asset replacement model, multiple assets that support the operation of the dissolved air flotation tank (DAFT) are nearing the end of their useful lives and due for either rehabilitation or replacement. The project will replace the DAFT thickened waste activated sludge pump no. 1 and three air receiver tanks. The project will also include the rehabilitation of the DAFT's two pressurization pumps.

Anticipated CEQA: Categorical Exemption [CEQA Guideline 15302]

Reference: None

Fund Allocation Basis: Project is required to replace or rehabilitate existing regional wastewater fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
0	0	195,000	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost **\$195,000**
 Current Adopted Budget \$0
 Increase/(Decrease) \$195,000



DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: REGIONAL WASTEWATER TREATMENT

Regional Wastewater Replacement (Fund 310)

CIP No. 18-P014 WWTP Recycled and Potable Water Systems

Funding Allocation: 100% 310

Project Manager: TBD

Status: Future Project

Project Summary:

This project will expand the use of recycled water for wastewater treatment plant processes. The current fire main supplies both the potable and fire water systems. This project will install approximately 550 feet of 3-inch above ground and 350 feet of 3-inch below ground recycled water pipe to the cogeneration building, blower building, plant air compressors, bar screens, 1250 kW and 750 kW generators, and Buildings S and T. The first phase of the project, installing 500 feet of 2-inch potable water lines to Buildings A, D, S, T, and fleet maintenance building, has been completed.

Anticipated CEQA: Categorical Exemption [CEQA Guideline 15301, 15302]

Reference: None

Fund Allocation Basis: Project is required to replace or rehabilitate existing regional wastewater fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
276	0	0	61,000	457,850	0	0	0	0	0	0	0

Total Estimated Project Cost	\$519,126
Current Adopted Budget	\$384,000
Increase/(Decrease)	\$135,126

DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: REGIONAL WASTEWATER TREATMENT

Regional Wastewater Replacement (Fund 310)

CIP No. 22-P010 WWTP HVAC Replacements

Funding Allocation: 100% 310

Project Manager: TBD

Status: Future Project

Project Summary:

This project will replace the HVAC system components (air handling units, chiller) in Buildings A and Building T (chiller) at the wastewater treatment plant along with cleaning of the existing duct work. The project will also replace the fume and exhaust hoods and all applicable appurtenances (fans, variable frequency drives, etc.) for the laboratory.

Anticipated CEQA: Categorical Exemption [CEQA Guideline 15302]

Reference: None

Fund Allocation Basis: Project is required to replace or rehabilitate existing regional wastewater fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
5,492	0	0	2,846,975	0	0	0	0	0	0	0	0

Total Estimated Project Cost **\$2,852,467**
 Current Adopted Budget \$210,000
 Increase/(Decrease) \$2,642,467



DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: REGIONAL WASTEWATER TREATMENT

Regional Wastewater Replacement (Fund 310)

CIP No. 22-P011 WWTP Roof Replacements

Funding Allocation: 100% 310

Project Manager: TBD

Status: Future Project

Project Summary:

This project will replace the roofs of Buildings B, C, D, G, Q, and R at the wastewater treatment plant. The roofs at each building are due for replacement based on their age and condition. Buildings B, Q, and R were completed in FYE 23. Buildings C, D and G are planned in FYE 26. The project will also add yellow safety granular paths to Building S and T to access equipment safely on the roof.

Anticipated CEQA: Categorical Exemption [CEQA Guideline 15302]

Reference: None

Fund Allocation Basis: Project is required to replace or rehabilitate existing regional wastewater fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
165,338	0	0	435,000	0	0	0	0	0	0	0	0

Total Estimated Project Cost **\$600,338**

Current Adopted Budget \$300,000

Increase/(Decrease) \$300,338

DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: REGIONAL WASTEWATER TREATMENT

Regional Wastewater Replacement (Fund 310)

CIP No. T16-54 Odor Reduction Tower Replacement

Funding Allocation: 100% 310

Project Manager: TBD

Status: Future Project

Project Summary:

This project will either rehabilitate or replace the odor reduction tower (ORT) and commutator room at the wastewater treatment plant (WWTP). The ORT treats odorous air from the WWTP influent pump room, aerated grits tanks, and the grit building. Although the ORT effectively treats hydrogen sulfide, it does not effectively treat reduced sulfur compounds. This project will help the District meet the WWTP odor control goals and support the District's "good neighbor" policy to minimize odor impacts to the surrounding community.

Anticipated CEQA: Categorical Exemption [CEQA Guideline 15302]

Reference: 2008 Update to Odor Control Focus Areas Analysis, CH2M Hill, July 2009

Fund Allocation Basis: Project is required to replace existing regional wastewater assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
0	0	0	380,000	2,163,000	0	0	0	0	0	0	0

Total Estimated Project Cost **\$2,543,000**
 Current Adopted Budget \$0
 Increase/(Decrease) \$2,543,000



DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: REGIONAL WASTEWATER TREATMENT

Regional Wastewater Expansion (Fund 320)

CIP No. T20-14 WWTP/Biosolids Master Plan Update

Funding Allocation: 85% 320 15% 310

Project Manager: TBD

Status: Future Project

Project Summary:

The Wastewater Treatment Plant (WWTP) and Biosolids Facility Master Plan was completed in 2017. The master plan recommended future facilities based on flow projections and potential regulatory scenarios. This project will update the facility plans and costs based on 1) recent WWTP flow and loading data, 2) the effluent nutrient limits proposed for the third San Francisco Bay Nutrients Watershed Permit anticipated for adoption June 2024, and 3) relevant changes in biosolids regulations and technology.

Anticipated CEQA: Categorical Exemption [CEQA Guideline 15262 Feasibility and Planning]

Reference: WWTP and Biosolids Facility Master Plan 2017

Fund Allocation Basis: Fund split based on ADWF that initiates project vs. buildout flowrate.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
0	0	0	855,000	0	0	0	0	0	0	0	0

Total Estimated Project Cost **\$855,000**
 Current Adopted Budget \$0
 Increase/(Decrease) \$855,000

DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: REGIONAL WASTEWATER TREATMENT

Regional Wastewater Replacement (Fund 310)

CIP No. T22-09 Recoating and Rehabilitation of Digesters 3, 2, and 1

Funding Allocation: 100% 310

Project Manager: TBD

Status: Future Project

Project Summary:

The life expectancy of a digester steel cover is twenty years. This project will inspect and recommend repair and coating the interior covers of the digesters, if needed, to extend their useful life. As part of the project, the digesters will be drained and cleaned so the interior covers can be inspected, and various preventative maintenance tasks will be performed. After the condition of each interior cover is determined, necessary work will be performed. The last cleaning and inspection performed was in 2021.

Anticipated CEQA: Categorical Exemption [CEQA Guideline 15301, 15302]

Reference: None

Fund Allocation Basis: Project is required to replace or rehabilitate existing regional wastewater fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
0	0	0	452,000	452,000	624,500	0	0	0	0	0	0

Total Estimated Project Cost **\$1,528,500**
 Current Adopted Budget \$0
 Increase/(Decrease) \$1,528,500



DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: REGIONAL WASTEWATER TREATMENT

Regional Wastewater Replacement (Fund 310)

CIP No. 20-P012 WWTP Security Improvements

Funding Allocation: 100% 310

Project Manager: TBD

Status: Future Project

Project Summary:

This project will address traffic control, video surveillance, physical hardware related to plant security, and provide updated programming to the District’s existing security monitoring system. Traffic control will include improvements to the main access gate and provide better control of vehicle movement once in the treatment plant area. Video surveillance will include improvements and reassignment to the 25 cameras currently in use, including the installation of multi-imager cameras that will improve the amount of plant video coverage. Hardware improvements include installation of tamper switches to monitor and prevent unauthorized access to the security control panels. In addition, all doors will be evaluated and those that cannot be secured or monitored in a reliable way will be replaced. Once all improvements are in place, programming changes will be made to the existing security system program, integrating the improvements listed above.

Anticipated CEQA: Categorical Exemption [CEQA Guideline 15302]

Reference: TEECOM Study (2019)

Fund Allocation Basis: Project is required to replace and upgrade existing regional wastewater assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
3,426	0	0	0	660,000	0	0	0	0	0	0	0

Total Estimated Project Cost \$663,426
 Current Adopted Budget \$458,000
 Increase/(Decrease) \$205,426



DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: REGIONAL WASTEWATER TREATMENT

Regional Wastewater Replacement (Fund 310)

CIP No. 22-P022 WWTP Administration Building Remodel/Renovation

Funding Allocation: 100% 310

Project Manager: TBD

Status: Future Project

Project Summary:

This project proposes to engage design professionals for preliminary planning and design of renovations for the administration building (Bldg A) at the wastewater treatment plant. It is anticipated that construction and permitting costs will be presented following scoping and detailed design.

Anticipated CEQA: Categorical Exemption [CEQA Guideline 15302]

Reference: N/A

Fund Allocation Basis: Project is required to rehabilitate existing regional wastewater fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
0	0	0	0	100,000	0	0	0	0	0	0	0

Total Estimated Project Cost	\$100,000
Current Adopted Budget	\$0
Increase/(Decrease)	\$100,000



DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: REGIONAL WASTEWATER TREATMENT

Regional Wastewater Replacement (Fund 310)

CIP No. T16-11 WWTP Motor Control Center and Distribution Panel "A" Improvements

Funding Allocation: 100% 310

Project Manager: TBD

Status: Future Project

Project Summary:

This project will upgrade the wastewater treatment plant's motor control centers (MCCs) MCC-E and electrical distribution panel A (DPA) to a standard 65,000 Ampere Interrupting Capacity (AIC) rating. Based on the most recent short circuit analysis, ten MCCs and DPA either do not have adequate short circuit equipment AIC ratings to either handle possible fault scenarios or to handle future expansions. The upgrade will also require modifications to existing MCC buckets as the MCCs are over 20 years old and exact replacement parts (i.e. starters, circuit breakers, etc.) are no longer readily available.

Anticipated CEQA: Categorical Exemption [CEQA Guideline 15301, 15302]

Reference: None

Fund Allocation Basis: Project is required to replace or rehabilitate existing regional wastewater fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
0	0	0	0	283,000	1,786,000	0	0	0	0	0	0

Total Estimated Project Cost **\$2,069,000**
 Current Adopted Budget \$0
 Increase/(Decrease) \$2,069,000

DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: REGIONAL WASTEWATER TREATMENT

Regional Wastewater Replacement (Fund 310)

CIP No. T20-15 Flocculation Baffles in Secondary Clarifiers

Funding Allocation: 100% 310

Project Manager: TBD

Status: Future Project

Project Summary:

This project will perform computational fluid dynamics (CFD) analysis of the District's secondary clarifiers and provide design of the necessary modifications for secondary clarifier #2. Field testing conducted in August 2018 indicated that secondary clarifiers perform well, but the flocculation center wells (FCWs) are too large and not fully utilized at normal and low flow conditions. Testing indicated that secondary clarifiers suffer from hydraulic short-circuiting and performance could be improved by adding simple modifications, such as flocculation baffles. Improving the secondary clarifier performance will reduce effluent suspended solids concentrations, solids loading on the ballasted flocculation process, and chemical usage. CFD analysis will be utilized to determine the most cost effective modifications and conceptual design of the flocculation baffles. The current budget is for design services only.

Anticipated CEQA: Categorical Exemption [CEQA Guideline 15302]

Reference: N/A

Fund Allocation Basis: Project will improve the efficiency of existing regional wastewater fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
0	0	0	0	80,000	0	0	0	0	0	0	0

Total Estimated Project Cost **\$80,000**
 Current Adopted Budget \$0
 Increase/(Decrease) \$80,000

DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: REGIONAL WASTEWATER TREATMENT

Regional Wastewater Replacement (Fund 310)

CIP No. T18-15 Cogeneration Engine Replacement

Funding Allocation: 100% 310

Project Manager: TBD

Status: Future Project

Project Summary:

This project will replace the existing cogeneration engines. The existing cogeneration engines are in good working condition but are old, with one engine block more than 50 years old. Much of the ancillary cogeneration equipment needs replacement and it is anticipated that the engines will need to be replaced because of air quality regulations, parts availability, or a catastrophic breakdown of some units. This project may be revised pending the outcome of the Energy Facilities Master Plan, which is expected to be completed by the end of 2023.

Anticipated CEQA: Categorical Exemption [CEQA Guideline 15302]

Reference: 2017 Wastewater Treatment Plant and Biosolids Facility Master Plan, Appendix N - WWTP Energy Master Plan

Fund Allocation Basis: Project is required to replace or rehabilitate existing regional wastewater fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
0	0	0	0	0	4,600,000	9,620,000	9,620,000	9,620,000	0	0	0

Total Estimated Project Cost \$33,460,000

Current Adopted Budget \$0

Increase/(Decrease) \$33,460,000



DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: REGIONAL WASTEWATER TREATMENT

Regional Wastewater Replacement (Fund 310)

CIP No. T22-18 Inner Sewer Flow Metering

Funding Allocation: 100% 310

Project Manager: TBD

Status: Future Project

Project Summary:

This project will install a metering manhole upstream of the influent diversion structure to measure the contribution of the wastewater treatment plant process flows and storm drainage to the plant influent.

Anticipated CEQA: To be determined.

Reference: Inner-Sewer Wetwell and Pumping Assessment, Option C.2 (CIP18-P012), October 2018, Psomas

Fund Allocation Basis: Project is required to replace or rehabilitate existing regional wastewater fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
0	0	0	0	0	0	155,000	720,000	0	0	0	0

Total Estimated Project Cost **\$875,000**
 Current Adopted Budget \$0
 Increase/(Decrease) \$875,000

DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: REGIONAL WASTEWATER TREATMENT

Regional Wastewater Expansion (Fund 320)

CIP No. 20-P010 Cogeneration Engine #4

Funding Allocation: 100% 320

Project Manager: TBD

Status: Future Project

Project Summary:

This project will permit and install additional cogeneration capacity at the wastewater treatment plant. The plant receives its energy from three cogeneration engines and a direct connection to the PG&E power grid. Approximately 65 to 70 percent of the energy is supplied by the cogeneration engines. Approximately 22 percent of the gas to run the cogeneration engines is biogas. The remaining gas supply is natural gas from PG&E. The 2017 Wastewater Treatment Plant and Biosolids Facility Master Plan indicated that given the current cost of natural gas and electricity, additional cogeneration capacity would provide an annual savings of \$470,000 and have an approximately 8 to 12-year simple payback. Additional onsite generation capacity will also provide a more reliable energy supply for the district with more frequent power grid outages. This project may be revised pending the outcome of the Energy Facilities Master Plan, which is expected to be completed by the end of 2023.

Anticipated CEQA: Initial Study/Mitigated Negative Declaration

Reference: 2017 Wastewater Treatment Plant (WWTP) and Biosolids Facility Master Plan, Appendix N, WWTP Energy Master Plan

Fund Allocation Basis: Project is required to meet recovery of biogas due to future anticipated loadings to the WWTP.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
0	0	0	0	0	0	0	0	10,500,000	0	0	0

Total Estimated Project Cost **\$10,500,000**
 Current Adopted Budget \$8,000,000
 Increase/(Decrease) \$2,500,000

DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: REGIONAL WASTEWATER TREATMENT

Regional Wastewater Expansion (Fund 320)

CIP No. T12-08 Cover Settled Sewage Channel and Selector
Funding Allocation: 100% 320

Project Manager: TBD

Status: Future Project

Project Summary:

This project will cover the settled sewage channel and the selector. The settled sewage channel and the primary clarifiers have been identified in the Odor Control Master Plan as areas in the wastewater treatment plant (WWTP) that have odor issues. In addition, adding the covers will allow the addition of air to the settled sewage channel, which will increase the performance of the WWTP. The foul air removed from the settled sewage channel will be treated in a new odor treatment facility that also serves the primary clarifiers and other items in the area. The new biofilter will be constructed modular and will be added when the primaries are covered.

Anticipated CEQA: Categorical Exemption [CEQA Guideline 15303]

Reference: 2008 Update to Odor Control Focus Areas Analysis, CH2M Hill, July 2009; 2017 WWTP and Biosolids Master Plan

Fund Allocation Basis: New project is odor control associated with increasing flows into WWTP.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
0	0	0	0	0	0	0	0	0	2,700,000	0	0

Total Estimated Project Cost \$2,700,000
 Current Adopted Budget \$0
 Increase/(Decrease) \$2,700,000



DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: REGIONAL WASTEWATER TREATMENT

Regional Wastewater Expansion (Fund 320)

CIP No. T10-83 Cover Primary Clarifiers
Funding Allocation: 100% 320

Project Manager: TBD

Status: Future Project

Project Summary:

This project will cover the primary clarifiers. The settled sewerage channel and the primary clarifiers have been identified in the Odor Control Master Plan as areas in the wastewater treatment plant that have odor issues. The project may cover the entire primary tanks or only the launderers. The foul air removed from the primary clarifiers will be treated in a new odor treatment facility that also serves the settled sewerage channel and other processes in the area.

Anticipated CEQA: Categorical Exemption [CEQA Guideline 15303]

Reference: 2008 Update to Odor Control Focus Areas Analysis, CH2M Hill, July 2009; 2017 WWTP and Biosolids Master Plan

Fund Allocation Basis: New project is odor control associated with increasing flows into WWTP.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
0	0	0	0	0	0	0	0	0	0	5,400,000	0

Total Estimated Project Cost **\$5,400,000**
 Current Adopted Budget \$0
 Increase/(Decrease) \$5,400,000



DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: REGIONAL WASTEWATER TREATMENT

Regional Wastewater Expansion (Fund 320)

CIP No. T00-76 Regional Dublin Trunk Relief Sewer
Funding Allocation: 100% 320

Project Manager: TBD

Status: Future Project

Project Summary:

The project will construct a relief sewer for the Regional Dublin Trunk downstream of the East Dublin trunk sewer connection located within the District’s Dedicated Land Disposal site to an existing 48-inch sewer line within the wastewater treatment plant, near the East Amador Lift Station. The project consists of approximately 2,100 feet of a 42-inch parallel pipeline. The Regional Dublin Trunk surcharges in a 20-year return frequency storm. This project is required to comply with the Regional Water Quality Control Board (RWQCB) design requirements and to reduce infiltration and inflow rate.

Anticipated CEQA: Initial Study may be required.

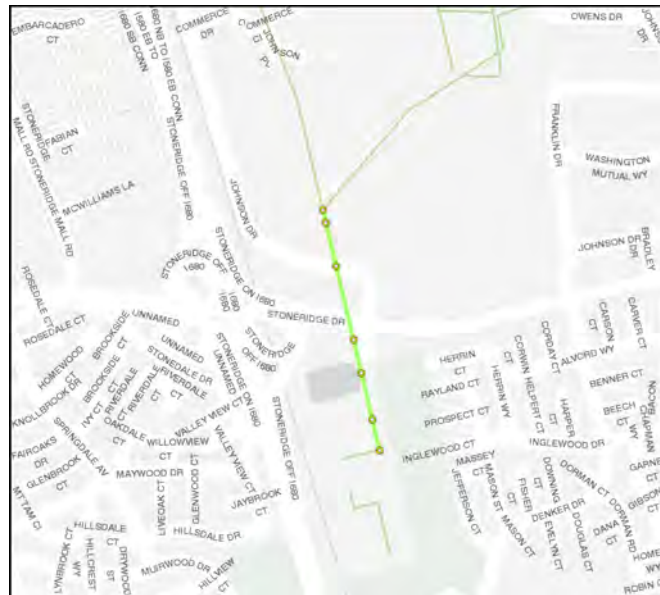
Reference: 7th Supplemental Agreement with the City of Pleasanton

Fund Allocation Basis: Project is required to convey future customer wastewater flows.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
0	0	0	0	0	0	0	0	0	0	0	7,976,750

Total Estimated Project Cost **\$7,976,750**
 Current Adopted Budget \$0
 Increase/(Decrease) \$7,976,750



DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: REGIONAL WASTEWATER TREATMENT

Regional Wastewater Expansion (Fund 320)

CIP No. T10-62 Emergency Power for Distribution Panel-D
Funding Allocation: 100% 320

Project Manager: TBD

Status: Future Project

Project Summary:

This project will install a 900 kW emergency power generator for the Distribution Panel-D (DPD) switchgear to support increases in influent pumping and related treatment plant equipment, such as the bar screens, primary clarifiers, etc., corresponding to continued growth of the District's service population. Panel DPD is currently provided with emergency power via the existing generator, but higher flows will require an additional generator for Panel DPD. Emergency power is also a requirement of the District's NPDES Permit. This project will be revised per the updated Energy Facilities Master Plan, which is scheduled for completion in 2023.

Anticipated CEQA: To be determined.

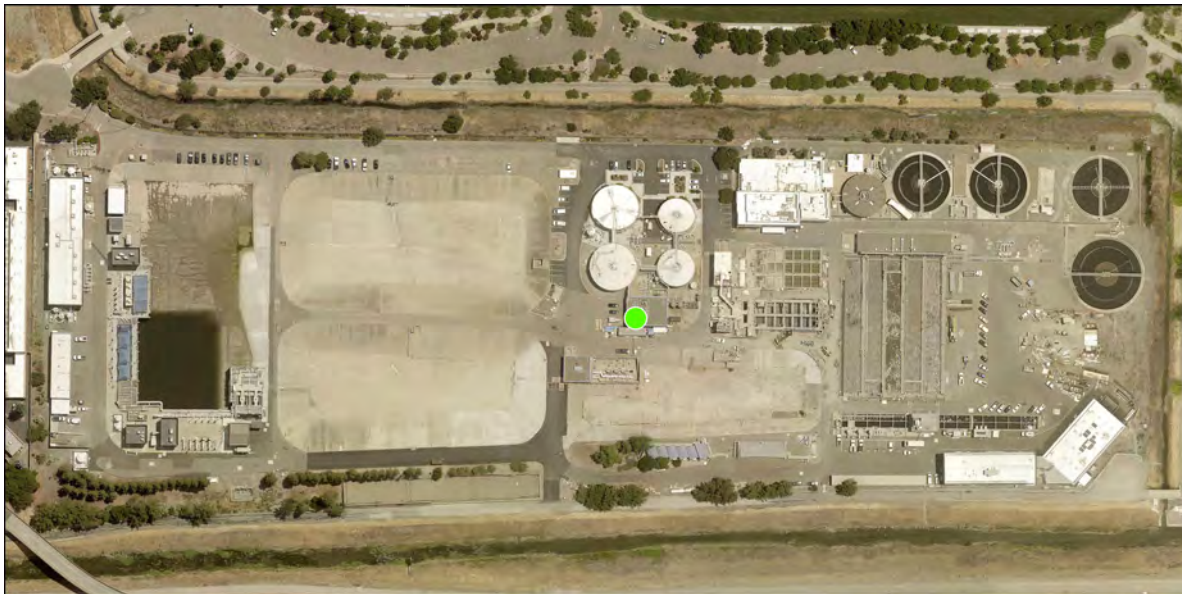
Reference: 2004 WWTP Electrical Master Plan and dependent on findings of 2019 Electrical Master Plan Update; 2017 WWTP and Biosolids Master Plan

Fund Allocation Basis: Project is required for future customer wastewater treatment capacity.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
0	0	0	0	0	0	0	0	0	0	0	6,394,000

Total Estimated Project Cost **\$6,394,000**
 Current Adopted Budget \$0
 Increase/(Decrease) \$6,394,000



DSRSD CIP 10-Year Plan for FYEs 2024 through 2033

CATEGORY: REGIONAL WASTEWATER TREATMENT

Regional Wastewater Replacement (Fund 310)

CIP No. T16-42 Nutrient Removal

Funding Allocation: 80% 310 20% 320

Project Manager: TBD

Status: Future Project

Project Summary:

In April 2014, the Bay Area Regional Water Quality Control Board (RWQCB) issued a San Francisco Bay Nutrients Watershed permit to municipal wastewater dischargers. The permit requires wastewater dischargers to evaluate reductions in nutrient discharges through treatment upgrades and contribute toward studies to develop a San Francisco Bay Nutrient Management Strategy. The District is working with the Bay Area Clean Water Agencies (BACWA) to address the permit requirements. If the current studies determine that the wastewater discharges have an adverse effect on Bay water quality, the RWQCB will impose nutrient load limits on the wastewater treatment plant effluent which will require treatment upgrades. Although future regulation or the extent of the regulation is uncertain, it is prudent that the District plan for some future treatment upgrades. This project assumes the addition of three aeration basins, a fifth secondary clarifier, and chlorination improvements to meet BACWA Level 2 effluent nutrient requirements.

Anticipated CEQA: To be determined.

Reference: RWQCB's San Francisco Bay Nutrients Watershed Permit; 2017 WWTP and Biosolids Master Plan.

Fund Allocation Basis: Based on ratio of current flow to projected buildout flow at the time of project inception.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	FYE 30	FYE 31	FYE 32	FYE 33	Future
0	0	0	0	0	0	0	0	0	0	0	42,550,000

Total Estimated Project Cost \$42,550,000

Current Adopted Budget \$0

Increase/(Decrease) \$42,550,000