Santa Clara Valley Water District

Fiscal Years 2023-27
Capital Improvement Program

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February 22, 2022
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Overview
The Santa Clara Valley Water District’s (Valley Water) Fiscal Year (FY) 2023-27 Five-Year Capital Improvement Program (CIP) is a projection of Valley Water’s capital funding for planned capital projects from FY 2022-23 through FY 2026-27. The purpose of the CIP is to document planned Valley Water projects to help integrate Valley Water work with the larger community by aligning Valley Water planning with other local agency planning efforts.

Valley Water’s CIP is developed following the guidelines of Government Code (GC) § 65403 which governs the development and annual review of Capital Improvement Programs developed by special districts in the State of California. State law requires that the program be reviewed and updated annually. It also requires circulation of the document to all agencies having land use authority within Valley Water boundaries prior to adoption of the program. This document is intended to provide the information necessary to facilitate planning and construction of water-related infrastructure to meet the needs of Santa Clara County.

The CIP is prepared in accordance with the guidelines established by the Government Finance Officers Association (GFOA). Capital projects in this document are defined by both the accounting criteria for capital investment and the California Public Contract Code definition of public works. They exceed $50,000 in cost, have long-term life spans and are generally nonrecurring. They usually fall within one of the following six categories:

1. Acquisition of land for public purpose;
2. Construction of a significant facility, i.e. a flood protection facility, a water treatment facility, or a building;
3. Addition to or expansion of an existing facility;
4. Nonrecurring rehabilitation or major repair to all or part of a facility provided the total cost is more than $50,000;
5. Specific planning, engineering study, or design work related to an individual project which falls within the above categories;
6. Significant one-time investment in tangible goods of any nature, the benefit of which will accrue over several years. Examples include items such as large initial investments or improvements in technology or the purchase of a new telephone system.

The CIP includes several Small Capital Improvement Projects in the various funds. These projects will be ongoing and will be used to fund multiple small projects to undertake repairs, replacements, and minor modifications to existing water utility, watershed or campus facilities. Small Capital Improvements generally meet the following criteria:

1. Project cost is less than $2.5 million (unless otherwise approved by the Board);
2. Project can be completed within 2 fiscal years;
3. Rights-of-way acquisition is not required.

The proposed funding for the Water Supply Small Capital Improvement projects is anticipated to vary each year based on the work identified in the Water Utility Asset Management Plan. The Facility Management, Small Capital Improvements project is funded at a flat rate each year. Unspent funds in these projects will not carry forward from previous years.

There are some miscellaneous capital expenditures incurred by Valley Water that are not captured in the CIP. These capital expenditures include certain components of water purchases, indirect costs to manage and train staff that are fully engaged in capital work, and routine replacement of vehicles and large equipment.

The mission of Valley Water is to provide Silicon Valley safe, clean water for a healthy life, environment, and economy.

The mission of Valley Water is to provide Silicon Valley safe, clean water for a healthy life, environment, and economy.
ALIGNMENT WITH ENDS POLICIES

Valley Water plans, manages and carries out capital improvements to comply with the Ends Policies and Executive Limitations established by its Board of Directors. Under Valley Water’s Policy Governance Model, Ends Policies describe the outcomes or results to be achieved by Valley Water staff. The Executive Limitations balance the Ends Policies and set limits on staff activities in fulfilling them.

Program plans, master plans and the asset management plan are developed to achieve the results established by the Ends Policies and to further define the goals and objectives of each Ends Policy. The Board either formally approves the plans or provides direction to staff, confirming the goals and objectives. These plans then become the basis for staff to propose and develop individual capital projects. Project ideas that are proposed by Operations staff must be vetted via a feasibility study and then validated to prepare a business case for proceeding with a capital investment. Some high-profile feasibility studies are included in the CIP. Alignment of the CIP with program or master plans provides a direct link to Ends Policies and ensures Valley Water’s long-term capital investments are planned and executed according to the Board’s priorities. Three Ends Policies directly drive program or master plans and the types of capital improvements described in the CIP:

- Ends Policy E-2 “Valley Water provides a reliable, safe, and affordable water supply for current and future generations in all communities served.”
- Ends Policy E-3 “Natural flood protection is provided to reduce risk and improve health and safety for residents, businesses, and visitors, now and into the future.”
- E-3.1 “Maintain flood protection facilities to design levels of protection.”
- E-3.2 “Assist people, businesses, schools, and communities to prepare for, respond to, and recover from flooding through equitable and effective engagement.”
- E-3.3 “Increase the health and safety of residents countywide by reducing community flood risk.”
- Ends Policy E-4 “Water resources stewardship protects and enhances ecosystem health.”

(See flowchart “CIP Process Alignment with Ends Policies” on page I-6)

CIP PLANNING PROCESS

Valley Water conducts an annual planning process for its CIP. The purpose of the CIP Planning Process is to ensure the capital projects included in the CIP:

- Meet the Board’s priorities and contribute to the objectives of Valley Water’s various programs;
- Have identified funding for the duration of the projects; and
- Are coordinated with the local jurisdiction’s General Plans.

The CIP Planning Process is carried out in accordance with the following Executive Limitations:

- Executive Limitation EL-4.3.1., “A BAO shall produce an annual Rolling Five-Year Capital Improvement Plan with the first year serving as the adopted capital budget and the remaining years in place as a projected capital funding plan.”
- Executive Limitation EL-4.4.1., “A BAO shall demonstrate to the Board the planned expenditures for the identified and selected capital projects in the Rolling Five-Year Capital Improvement Plan are aligned with the Board’s capital priorities.”

The annual CIP Process is the responsibility of the CIP Group comprised of division managers, with the responsibility to initiate or implement capital projects. The detailed process is a documented ISO procedure. It includes the following key steps:

- Management review and approval, to ensure staff proposed projects are aligned with Board policies and approved program plans;
Overview

- Validation of projects to ensure there is a business case for doing the project and that a capital investment is the best solution;
- Review of all projects, including continuing and newly proposed projects, to ensure the projects in the CIP reflect Board priorities;
- Financial analysis, to determine the capacity of Valley Water's capital funding sources to fund the proposed capital projects;
- Review of impacts the completed capital project will have on the Operations and Maintenance (O&M) resources.
- Outreach to local jurisdictions with land use authority, within Santa Clara County, to coordinate Valley Water’s Capital Improvement Program with their General Plans;
- Board review and direction at appropriate steps, to ensure the CIP reflects Board policies and priorities; and
- Board adoption of the CIP plan.

The annual CIP Planning Process starts with collecting information on proposed new capital projects in July, followed by the validation of proposed new projects, preliminary scoping, review and financial analyses to produce a Draft CIP in February. The Draft CIP serves as a multi-year plan, and together with other long-term planning efforts of Valley Water, is the basis for the budget for the following fiscal year. This Draft CIP plan is also reviewed by local jurisdictions for consistency with their General Plans. While the Draft CIP is being reviewed by the cities and County, the budget is reviewed and finalized. The Board concludes the outreach on the Draft CIP with a public hearing. The first year of the CIP is reconciled with the budget; The Resolution to adopt the CIP and the budget are presented to the Board for approval in May.

Board Direction and CIP Outreach

The Board has many opportunities each year to provide direction on projects contained in the CIP. The CIP is developed in parallel with the budget and the water rates. It is presented to the Board for review and input on multiple occasions throughout the development process. Early in the validation process the list of newly proposed projects is presented to the Board so they can provide direction to staff, followed by Board workshops to review the Preliminary CIP to ensure that the document is developed in accordance with Board priorities. The direction received is used to develop the Draft CIP which is reviewed by the Board before staff is authorized to release the document for public review. Following a public hearing, the Board approves the resolution to adopt the Final CIP in May.

The Board CIP Committee meets throughout the year to review and discuss information related to the development and implementation of the CIP and provide input to staff. The Committee provides recommendations on issues ranging from project implementation, to resource utilization and funding sources or distribution. The Committee’s recommendations are presented to the Board for direction on incorporation into the CIP document or implementation by staff.

On January 10, 2022 the FY 2023-27 Preliminary CIP project list was reviewed and endorsed by the Board. One new project was added to the FY 2023-27 Preliminary CIP.

The following are highlights of changes from the previous year that have been approved as the basis for the FY 2023-27 CIP:

- To fully fund the Water Supply projects in the FY 2023-27 CIP, Valley Water has preliminarily proposed increases in groundwater production charges for FY 2022-23 of 15% in North County Zone W-2, 5.2% in South County Zone W-5, 10.3% in South County Zone W-7, and 8% in South County Zone W-8.
- The following significant project changes are driving the groundwater production charges:
  - The Anderson Dam Seismic Retrofit Project increased in cost by $588.75 million.
  - The Purified Water Project increased in cost by $113.18 million.
  - The Rinconada Water Treatment Plant Reliability Improvement Project increased in cost by $101.8 million.
Overview

– The Rinconada Water Treatment Plant Residuals Remediation/Management Project increased in cost by $11.08 million.
– The Almaden Valley Pipeline Replacement Project increased in cost by $20.57 million.
– The Coyote Pumping Plant ASD Replacement Project increased in cost by $11.77 million.
– The South County Recycled Water Pipeline Project increased in cost by $3.51 million.

• The following are highlights of significant project changes under Flood Protection and Water Resources Stewardship:
  – The San Francisco Bay Shoreline Project EIA 11 decreased in cost by $38.77 million.
  – The San Francisquito Creek, SF Bay through Searsville Dam (E5) Project increased in cost by $12.61 million.
  – The Guadalupe River Tasman Drive to I-880 Project increased in cost by $3.26 million.
  – The Lower Penitencia Creek Improvements, Berryessa to Coyote Creeks Project increased in cost by $6.89 million.
  – The South Bay Salt Ponds (A5-11) Restoration Project increased in cost by $4.88 million.
  – The Ogier Ponds Separation from Coyote Creek (D4.1b) Project increased in cost by $2.12 million.

• Six projects were completed in the CIP. The RWTP Treated Water Valve Upgrade Project, San Francisquito Creek (SF Bay through Searsville Dam E5) Project, Berryessa Creek (Calaveras, I-680 - Reimbursable) Project, Cunningham Flood Detention Certification Project, Lower Silver Creek (I-680 to Cunningham, Reimbursable Reaches 4-6) Project and Telephone System Voiceover IP Project were all completed in FY22.

Additional information regarding project changes can be found in each chapter overview.

On February 22, 2022, the Board of Directors reviewed and approved for release the Draft FY 2023-27 CIP. One new project was added to the FY 2023-27 Draft CIP: The Security Upgrades and Enhancements Project.

This project will significantly enhance overall security at Valley Water facilities through technological and physical upgrades and enhancements.
Projects in the CIP are typically divided up into planning, design and construction phases. The Board may determine not to implement a project based on various considerations, such as financial constraints, environmental impacts, Operations and Maintenance, or community desire during a project’s planning or design phases. The Board has various opportunities to provide direction and approval of capital projects as shown in the graphic below.

* Board approval of the Engineer’s Report is required only on projects with zone funding.
CIP PROCESS ALIGNMENT WITH ENDS POLICIES

Overview

ENDS POLICY E-2
Valley Water provides a reliable, safe, and affordable water supply for current and future generations in all communities served.

ENDS POLICY E-3, E-3.1, E-3.2 & E-3.3
Natural flood protection is provided to reduce risk and improve health and safety for residents, businesses, and visitors, now and into the future. Maintain flood protection facilities to design levels of protection. Assist people, businesses, schools, and communities to prepare for, respond to, and recover from flooding through equitable and effective engagement. Increase the health and safety of residents countywide by reducing community flood risk.

ENDS POLICY E-4
Water resources stewardship protects and enhances ecosystem health.

NEW PROJECT VALIDATION, CIP REVIEW AND FINANCIAL ANALYSIS

FY 2023-2027 CIP

Installation of Water Supply Capital Projects

FY 2023-2027 CIP

Installation of Flood Protection Capital Projects

FY 2023-2027 CIP

Installation of Water Resources Stewardship Projects

FY 2023-2027 CIP

Implementation of 3 Buildings and Grounds Capital Projects

FY 2023-2027 CIP

Implementation of 5 Information Technology Capital Projects

Program Plans or Master Plans
- 1990 SCVWD Action Plan for reducing disinfection by-product (Board approved)
- Integrated Water Resource Plan (Board Work Studies)
- 1999 Producer-Wholesaler Agreement for Supply of Recycled Water between SCRWA and Valley Water (Board approved)
- 2004 Valley Water Asset Management Program Implementation Plan
- 2005 Urban Water Management Plan (Board approved)
- 2005 Dam Safety Plan
- 2005 Water Infrastructure Reliability Plan
- 2006 South County Water Recycling Master Plan (Board approved)
- 2012 Safe, Clean Water Program (Board/Voter approved)
- 2012 Water Supply Infrastructure Master Plan (Board approved)
- 2013 Recycled Water Master Plan (City of Sunnyvale)
- 2014 South Bay Water Recycling Strategic Master Plan
- 2019 Water Supply Master Plan Update (Board Approved)

Program Plans or Master Plans
- 1982, 1986, 1990 Benefit Assessment Program (Board approved)
- 2000 Clean, Safe Creek Program (Board/Voter approved)
- 2001 Stream Maintenance Program (Board approved) Annual Watershed Facility Inspection Program (for all watersheds)
- Feasibility Cost Sharing Agreements with the US Army Corps of Engineers
- 2012 Safe, Clean Water Program (Board/Voter approved)
- 2020 Measure S, Renewed Safe, Clean Water Program (Board/Voter approved)

Program Plans or Master Plans
- CEQA commitments
- Regulatory permitting commitments
- Enhancement Program per Clean Safe Creeks Program (Board/Voter approved)
- Enhancement opportunities determined appropriate by the Board
  - Fish and Aquatic Habitat Collaborative Effort
  - Natural Resource Damage Assessment
  - Other
- 2012 Safe, Clean Water Program (Board/Voter approved)
- 2020 Measure S, Renewed Safe, Clean Water Program (Board/Voter approved)

Program Plans or Master Plans
- 1990 Facilities Master Plan - Site Analysis Report (Board approved)
- 2005 Needs Assessment and Plan Feasibility Study
- 2012 Campus Master Plan (Board approved)

Program Plans or Master Plans
- 2001 Information System Master Plan
- 2003 Enterprise-wide Master Communication Plan
- 2012 Information Systems Master Plan

Program Plans or Master Plans
- 1990 Facilities Master Plan - Site Analysis Report (Board approved)
- 2005 Needs Assessment and Plan Feasibility Study
- 2012 Campus Master Plan (Board approved)

CEQA COMMITMENTS
- Regulatory permitting commitments
- Enhancement Program per Clean, Safe Creeks Program (Board approved)
- Enhancement opportunities determined appropriate by the Board
  - Fish and Aquatic Habitat Collaborative Effort
  - Natural Resource Damage Assessment
  - Other
- 2012 Safe, Clean Water Program (Board approved)
- 2020 Measure S, Renewed Safe, Clean Water Program (Board approved)
Overview

FISCAL YEAR 2023-27
CIP SUMMARY

The recommended CIP for FY 2023-27 includes 64 priority projects to implement the goals and objectives of Valley Water’s program plans and master plans. These projects are grouped into five types of improvements:

- **Water Supply Capital Improvements**
  29 projects contributing to Ends Policy E-2

- **Flood Protection Capital Improvements**
  16 projects contributing to Ends Policy E-3

- **Water Resources Stewardship Capital Improvements**
  11 projects contributing to Ends Policy E-4

- **Buildings and Grounds Capital Improvements**
  3 projects supporting Valley Water efforts to achieve the Ends Policies

- **Information Technology Capital Improvements**
  5 projects supporting Valley Water efforts to achieve the Ends Policies

Each of the 64 projects in the CIP has an identified funding source based on the type of improvement or function of the project.

The principal sources of revenue for Valley Water are: property taxes; a special parcel tax, which funds the Safe, Clean Water and Natural Flood Protection Program (Safe, Clean Water Program); and water production charges for use of groundwater, treated water, and surface water. These revenues are organized into eight funds. Seven of the eight funds have a specific purpose and only finance the operational and capital expenditures related to that purpose. In 2008 the Board decided to combine the individual watershed funds into a county-wide watershed and stream stewardship fund to send the message that the watershed activities are managed for the benefit of the county. This also streamlines most tracking and accounting activities for staff. Valley Water continues to receive a small amount of revenue from benefit assessments that were approved by voters in the 1980s and 1990s. These funds are dedicated to specific watersheds and the accounting practices to ensure that they are spent and accounted for appropriately have been kept in place. As shown in the chart below, five of the eight funds are used to finance the five types of capital improvements in the CIP.

Valley Water aggressively pursues external funding to supplement its principal revenue when practical. For a complete listing of grants and partnerships see Appendix A.

A number of Valley Water projects are receiving substantial State funding through grants:

- $25 million for Lower Silver Creek and Cunningham Flood Detention from DWR;
- $496 million for Pacheco Reservoir from the California Water Commission;
- $29.4 million for Upper Berryessa, Lower Berryessa, and Lower Penitencia from DWR; and
- $61.5 million for South San Francisco Bay Shoreline Phase 1 Project from the San Francisco Bay Restoration Authority.

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<table>
<thead>
<tr>
<th>VALLEY WATER PRIORITIES</th>
<th>Valley Water Funds</th>
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<tbody>
<tr>
<td><strong>Type of Improvement</strong></td>
<td><strong>Water Utility Enterprise Fund</strong></td>
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<tr>
<td>Water Supply</td>
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<td>Flood Protection</td>
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<td>Water Resources Stewardship</td>
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<td>Buildings and Grounds</td>
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<td>Information Technology</td>
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This chart identifies which types of improvement are associated with each of Valley Water’s five capital funds.
The estimated total funding required to implement the 64 projects defined in the CIP is $8.749 billion. Valley Water has been and continues to be successful in leveraging funding for its capital projects through partnerships with federal, state, and local agencies. Of the $8.749 billion total funding, $1.286 billion is expected from Valley Water’s various partners, such as the U.S. Army Corps of Engineers (USACE), and $7.462 billion from Valley Water. A list of projects that are funded cooperatively with Valley Water’s partners is summarized in Appendix A. Funds from partners for the cooperative capital projects generally come in two ways:

- Funds that are made available by the partners when needed (cost-sharing agreements or in-kind services), or
- Funds that are reimbursed by the partners after Valley Water advances the needed funds.

Of the $1.286 billion that is expected from Valley Water’s partners, $810 million is advanced by Valley Water and reimbursed later. This $810 million is included in the CIP, and increases Valley Water’s total funding requirement from $7.462 billion to $8.273 billion, to ensure that Valley Water has adequate funding to advance the reimbursement.

The chart above shows the distribution by type of improvement, of the $8.273 billion total CIP funding as planned in the FY 2023-27 CIP. The chart above shows how the $8.273 billion to implement the 64 projects is allocated to each of the five types of improvements.

Of the $8.273 billion in total funding for the 64 projects identified in the CIP, the Board has appropriated $2.192 billion in prior years (through June 30, 2022, the end of fiscal year 2021-22). This year’s CIP process identified additional funding needs of $6.079 billion to complete the projects in the CIP, with $450 million allocated in fiscal year 2022-23 and a total of $5.629 billion proposed for future years. The table shown on page I-8 breaks down the fiscal year total by the five types of improvement and by applicable funding sources.
## CIP Funding Schedule by Type of Improvement and Funding Sources (\$K)

<table>
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<tr>
<th>Type of Improvement</th>
<th>Through FY21</th>
<th>FY22</th>
<th>FY22 Unspent</th>
<th>FY23</th>
<th>FY24</th>
<th>FY25</th>
<th>FY26</th>
<th>FY27</th>
<th>FY28-37</th>
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FY 2021-22 Funds to be reappropriated
As shown in the table, CIP Funding Schedule by Type of Improvement and Funding Sources (on the previous page): approximately $127 million of the already appropriated $2.192 billion is not spent and is reappropriated to FY 2022-23 for continued use in those same projects in amounts consistent with the project expenditure schedule for FY 2022-23. The following chart explains the relationship between the CIP funding schedule and expenditure schedule.
Water Supply
Water Supply Capital Improvements

WATER SUPPLY OVERVIEW

Valley Water manages and operates a complex and integrated water supply infrastructure, including storage, transmission, treatment, and recycled water facilities, to meet the Board's Ends Policy E–2, “Valley Water provides a reliable, safe, and affordable water supply for current and future generations in all communities served.”

Storage Facilities
- 10 surface reservoirs
- 393 acres of recharge ponds
- 76 miles of in-stream recharge
- Ground water basins

Transmission Facilities
- 142 miles of pipelines
- 3 pump stations

Treatment Facilities
- 3 treatment plants

Recycled Water Facilities
- Silicon Valley Advanced Water Purification Center
- South County Recycled Water Distribution System

Planning, design and construction of the above facilities took decades of effort. Beginning in the 1930s, reservoirs and recharge ponds were built to halt depletion of the ground water basin and subsidence, followed by pipelines and treatment plants to bring in state and federal water to meet growing water demands in the County.

In the early 1990s, Valley Water embarked on new and challenging capital improvements to upgrade its three drinking water treatment plants in order to meet new Environmental Protection Agency rules for improved water quality required by 1996 amendments to the Safe Drinking Water Act. Fifteen years of effort and capital funding brought the upgrades at Penitencia and Santa Teresa Water Treatment Plants to completion. Delivery of ozonated water produced at these two treatment plants began in 2006.

The Rinconada Water Treatment Plant (RWTP) was built in the late 1960s and is reaching the end of its useful life. A number of projects to upgrade and improve operations have been completed. The RWTP Reliability Improvement Project will add raw water ozonation, construct new flocculation and plate settler clarification, and dual media filtration facilities. It will also increase plant capacity from 80 to 100 million gallons per day. Construction of this Project began in the summer of 2015. Phases 1 and 2 were completed in early 2021, and repackaging efforts for Phases 3 through 6 are currently underway. Design is scheduled to be completed in FY23 and construction will begin thereafter.

With a significant portion of the Water Supply infrastructure approaching 50 to 60 years of age, maintaining and upgrading the existing infrastructure to ensure each facility functions as intended for its useful life became the focus of the Water Supply CIP in recent years.

Valley Water owns and operates ten dams. While these dams provide water supply, flood management, recreation, and environmental flow benefits, there are consequences and costs for dam ownership. Knowledge of seismic stability design and construction was very rudimentary during the design and construction of Valley Water dams in the 1930s and 50s. Both liquefaction of dam embankments and foundations and embankment stability must be addressed for seismic stability. Several of Valley Water’s reservoirs have had operating restrictions imposed by the Department of Safety of Dams (DSOD) while an engineering analysis of how Valley Water’s dams would perform under a major seismic event is completed and appropriate corrective actions are implemented.

On November 26, 2010, the Board was informed that Anderson Dam will require a seismic retrofit and the operating restriction was increased to 45 feet below the crest of the dam. Since this briefing, a consultant has determined that a magnitude 7.2 Maximum Credible Earthquake on nearby Calaveras Fault could cause a deformation (slumping) of the dam crest by 25 feet. The Anderson Dam Seismic Retrofit Project was initiated in January 2011. While work on the project was underway, Valley Water received a directive on February 20, 2020 from the Federal Energy Regulatory...
Commission to implement interim risk reduction measures, including the Anderson Dam Tunnel Project to construct a diversion to augment the existing outlet.

Valley Water completed a seismic stability evaluation of Almaden, Calero, and Guadalupe Dams in late 2010. Almaden Dam was found to be seismically stable; however both Calero and Guadalupe Dams will require seismic retrofitting to meet DSOD performance criteria. A project was initiated in fiscal year 2013 to address the Calero and Guadalupe Dams retrofit needs. A separate capital project to address outlet and spillway improvements at Almaden Dam is continuing. Seismic stability evaluations were conducted at Lenihan and Stevens Creek Dams. Both were found to be seismically stable.

In April 2017, the Governor of California ordered detailed evaluations of large spillway structures at all high-hazard dams. Spillway evaluations are required on 9 of Valley Water’s 10 dams. The spillway evaluation for 7 dams have been incorporated into existing projects and a separate contract for the spillway evaluation of the Lenihan and Stevens Creek dams has been formed.

Valley Water is partnering with Pacheco Pass Water District and San Benito County Water District for the Pacheco Reservoir Expansion Project. This Project will encompass the acquisition and expansion of this reservoir from 6,000 AF to 140,000 AF and will provide water quality benefits, operational flexibility, emergency storage, flood protection, and ecosystem benefits. On July 24, 2018, the California Water Commission awarded $484.55 million to support the project, including an early funding award of $24.2 million. In February 2021, the maximum conditional eligibility determination was increased to $496.7 million to reflect an inflation adjustment of 1%.

The key driver for Water Supply projects is the Water Supply Master Plan, which includes three strategies to ensure sustainability: secure water supply; expand water supply through water conservation, stormwater capture and potable reuse projects; and optimize existing infrastructure.

**Major Capital Improvements Identified in the CIP:**

**Storage:**
- Almaden Dam Improvements
- Anderson Dam Seismic Retrofit
- Calero Dam Seismic Retrofit
- Guadalupe Dam Seismic Retrofit
- Pacheco Reservoir Expansion
- Dam Seismic Stability Evaluation
- Coyote Pumping Plant ASD Replacement
- Coyote Warehouse
- Small Capital Improvements, San Felipe Reaches 1-3

**Transmission:**
- 10-Year Pipeline Rehabilitation
- FAHCE Implementation
- Vasona Pumping Station Upgrade
- Almaden Valley Pipeline Replacement
- Distribution System Implementation Project
- IRP2 Additional Line Valves (A3)
- Pacheco/Santa Clara Conduit Right of Way Acquisition
- SCADA Implementation Project
- Small Capital Improvements, Raw Water Transmission
- Small Capital Improvements, Treated Water Transmission
- Treated Water Isolation Valves

**Water Treatment Plants (WTP):**
- Penitencia WTP Residuals Management
- Rinconada WTP Residuals Remediation
- Rinconada WTP Reliability Improvement
- Santa Teresa WTP Filter Media Replacement
- WTP Electrical Improvement
- Small Capital Improvements, Water Treatment
- WTP Implementation Project

**Recycled Water:**
- Expedited Purified Water Program
- South County Recycled Water Pipeline
- Land Rights - South County Recycled Water Pipeline
CIP PLANNING PROCESS AND FINANCIAL ANALYSIS

The annual CIP Planning Process starts with collecting information on proposed new capital projects in July, followed by the validation of proposed new projects, preliminary scoping, review and financial analyses to produce a Draft CIP in February.

The Board then authorizes release of the Draft CIP to the public and local municipalities for review, conducts a public hearing, and approves the resolution to adopt the Final CIP in May.

Based on the feedback from the FY 2006-07 CIP and Board direction, a concerted effort was made to develop a multi-year water charge structure that would support the priority work of the water utility business. Staff analyzed both immediate requirements and anticipated future needs to support operations and the continued appropriations for capital investment needed to maintain infrastructure and comply with water quality regulations. Each year staff reviews Board priorities, the financial needs of the Water Utility Enterprise Fund, current political and economic factors and updates the multi-year structure. The rate structure for the first year is recommended to the Board for adoption during the annual rate setting process.

While Valley Water has one Water Utility fund, Valley Water has multiple zones of benefit for the purposes of setting groundwater production charges. The North County Zone is very different from the South County Zone in that the water infrastructure is substantially separate and distinct with an entirely different cost of providing service. For example the north zone overlays the Santa Clara groundwater subbasin and is much more densely populated, requiring a large amount of imported water from outside the county to provide a reliable water supply. To receive, filter and distribute the imported water, Valley Water chose to build three water treatment plants and a network of raw water and treated water distribution pipelines many decades ago. Conversely, the South County overlays the Coyote Valley (southern Santa Clara subbasin) and the Llagas groundwater subbasins and is more sparsely populated.

South County communities rely almost entirely on groundwater, with small amounts of raw surface water and recycled water. A small amount of recycled water is served in the Gilroy area. No treated water is served in South County, so water utility infrastructure primarily supports the storage and distribution of local and imported surface water for groundwater recharge.

The financial analysis of the Water Utility Enterprise Fund, the funding source for the water supply capital improvements, is conducted in conjunction with the groundwater production charge process.

After reviewing a number of scenarios, on January 10, 2022, Valley Water’s Board of Directors has preliminarily approved staff-proposed changes in the municipal and industrial (M&I) groundwater production charges for FY 2022-23 of 15% in North County Zone W-2, 5.2% in South County Zone W-5, 10.3% in South County Zone W-7, and 8% for South County Zone W-8.

Significant Project Updates From Prior Year

Listed below are the changes to projects from the FY 2022-26 Adopted CIP:

- The Pacheco Reservoir Expansion Project has decreased in cost by $58.18 million due to an update to the phase costs, therefore inflation adjustments reduced the overall inflated total project cost.

- The Anderson Dam Seismic Retrofit Project has increased in cost by $588.75 million due to the Federal Energy Regulatory Commission (FERC) projects scope updates in the Anderson Dam Project.

- The Purified Water Project has increased in cost by $113.18 million due to the addition of a second option to transfer treated effluent from the City of Palo Alto and the additional preliminary investigations to include this effluent transfer option. This program is planned to be delivered via a Public-Private Partnership (P3).

- The Rinconada Water Treatment Plant Reliability Improvement Project has increased in cost by $101.80 million due to the increase in construction costs to complete Phases 3-6.
The Rinconada Water Treatment Plant Residuals Remediation/Management Project has increased in cost by $11.08 million due to schedule changes and to accommodate equipment rental. Costs for construction have increased due to a higher-than-estimated contract bid.

The Almaden Valley Pipeline Project has increased in cost by $20.57 million to accommodate the future fiscal year expenditures at the end of the CIP’s 15-year projection. The 21-year total Project plan was initiated in FY21, and the CIP only provides a 15-year projection. Each CIP cycle will add the upcoming fiscal year expenditure plan until all 21 years of the total Project plan are incorporated into the CIP.

The Coyote Pumping Plant ASD Replacement Project has increased in cost by $11.77 million due to the Project schedule update to accommodate the Project delivery using the progressive design-build method and increases to the construction cost estimates based upon current market conditions, including supply chain disruptions.

The South County Recycled Water Pipeline Project has increased in cost by $2.72 million due to changes in the Project scope and schedule. The Project schedule was extended by two years due to NEPA clearance delays and delays in the project advertisement for construction bids. The project scope changed due to a switch from high density polyethylene pipe to welded steel pipe and additional real estate costs.

The majority of capital projects included in the 5-Year CIP are related to asset management, which replaces aging equipment and facilities, infrastructure reliability, which protects the county’s baseline water supply, or Advanced Purified Water, which produces a drought-resilient source of water.

Valley Water is currently engaged in several critical studies related to understanding the conditions of various water supply facilities and meeting future water supply needs of the county. This effort included updating the Water Supply Master Plan, which was approved by the Board on November 20, 2019.
The following table is a project funding schedule for water supply capital improvements resulting from this year’s financial analysis. Detailed information for each project can be found in this document on the following pages in the order presented in this table. The chart also identifies partially funded projects and estimated unspent appropriation from FY 2021-22.

<table>
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<th>Project Number</th>
<th>PROJECT NAME</th>
<th>Through FY21</th>
<th>FY22</th>
<th>FY22 Unspent</th>
<th>FY23</th>
<th>FY24</th>
<th>FY25</th>
<th>FY26</th>
<th>FY27</th>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>91044001s</td>
<td>Expedited Purified Water Program (EPWP)</td>
<td>27,109</td>
<td>2,949</td>
<td>-</td>
<td>33,700</td>
<td>35,384</td>
<td>170,853</td>
<td>153,454</td>
<td>151,338</td>
<td>156,193</td>
<td>730,890</td>
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<tr>
<td>91044001</td>
<td>Land Rights - South County Recycled Water PL</td>
<td>203</td>
<td>350</td>
<td>-</td>
<td>3,260</td>
<td>3,451</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>7,264</td>
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<tr>
<td>91044007s</td>
<td>South County Recycled Water Pipeline</td>
<td>36,805</td>
<td>19,310</td>
<td>8,756</td>
<td>11,703</td>
<td>425</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>60,243</td>
</tr>
<tr>
<td></td>
<td>TOTAL</td>
<td>744,518</td>
<td>217,397</td>
<td>38,795</td>
<td>316,313</td>
<td>348,746</td>
<td>654,546</td>
<td>687,103</td>
<td>589,247</td>
<td>2,566,426</td>
<td>6,124,296</td>
</tr>
</tbody>
</table>

**FY 2021-22 Funds to be reappropriated**
The following table shows funding requirements from each funding source for water supply capital.

### Water Supply - Funding Source ($K)

<table>
<thead>
<tr>
<th>Fund Number</th>
<th>FUND NAME</th>
<th>Through FY21</th>
<th>FY22</th>
<th>FY22 Unspent</th>
<th>FY23</th>
<th>FY24</th>
<th>FY25</th>
<th>FY26</th>
<th>FY27</th>
<th>FY28-37</th>
<th>TOTAL</th>
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</thead>
<tbody>
<tr>
<td>61</td>
<td>Water Utility Enterprise Fund</td>
<td>742,240</td>
<td>217,053</td>
<td>38,795</td>
<td>315,067</td>
<td>345,094</td>
<td>651,253</td>
<td>683,733</td>
<td>587,092</td>
<td>2,566,226</td>
<td>6,107,758</td>
</tr>
<tr>
<td>26</td>
<td>Safe, Clean Water and Natural Flood Protection Fund</td>
<td>2,278</td>
<td>344</td>
<td>0</td>
<td>1,246</td>
<td>3,652</td>
<td>3,293</td>
<td>3,370</td>
<td>2,155</td>
<td>200</td>
<td>16,538</td>
</tr>
<tr>
<td>TOTAL</td>
<td></td>
<td>744,518</td>
<td>217,397</td>
<td>38,795</td>
<td>316,313</td>
<td>348,746</td>
<td>654,546</td>
<td>687,103</td>
<td>589,247</td>
<td>2,566,426</td>
<td>6,124,296</td>
</tr>
</tbody>
</table>

*FY 2021-22 Funds to be reappropriated*
Storage Facilities

- 10 Surface Reservoirs
- 393 Acres of Recharge Ponds
- 76 Miles of In-stream Recharge
- 8 Capital Projects
- Groundwater Basins
PROJECT DESCRIPTION
This project plans, designs, and constructs improvements to the Almaden Dam outlet works to accomplish the following objectives:

• Modify or construct a new intake structure, capable of releasing 246 cubic feet-per-second of water without flushing of sediments through the outlet works.
• Correct existing problems with the outlet energy dissipation structure, piping and valves.
• Restore operational capacity to the Almaden-Calero Canal and stabilize and improve maintenance access.

PROJECT LOCATION
### SCHEDULE & STATUS

**July 1995 to June 2031**

**EXPENDITURE SCHEDULE**

<table>
<thead>
<tr>
<th>Project</th>
<th>Actuals Thru</th>
<th>Planned Expenditures</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>FY21</td>
<td>FY22</td>
<td>FY23</td>
</tr>
<tr>
<td>91854001-Almaden Dam Improvements</td>
<td>13,964</td>
<td>250</td>
<td>52</td>
</tr>
<tr>
<td>with inflation</td>
<td>13,964</td>
<td>250</td>
<td>52</td>
</tr>
</tbody>
</table>

Actuals include project expenditures, and encumbrances.

### FUNDING SCHEDULE

<table>
<thead>
<tr>
<th>Project</th>
<th>Budget Thru</th>
<th>Adj. Budget</th>
<th>Est. Unspent</th>
<th>Planned Funding Requests</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>FY21</td>
<td>FY22</td>
<td>FY23</td>
<td>FY24</td>
<td>FY25</td>
</tr>
<tr>
<td>91854001-Almaden Dam Improvements</td>
<td>14,772</td>
<td>0</td>
<td>558</td>
<td>0</td>
<td>0</td>
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Adjusted Budget includes adopted budget plus approved budget adjustments.

### FUNDING SOURCES

<table>
<thead>
<tr>
<th>Source</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCWWD Water Utility Enterprise Fund</td>
<td>64,713</td>
</tr>
<tr>
<td>Other Funding Source</td>
<td>0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>64,713</strong></td>
</tr>
</tbody>
</table>

### OPERATING COST IMPACTS

The completion of this project is anticipated to decrease operating costs by approximately $2,000 per year, beginning in FY31. Manually flushing the control valves during the winter months to remove silt will no longer be required.

### USEFUL LIFE

50+ Years
**PROJECT DESCRIPTION**

This project plans, designs, and constructs seismic retrofit or replacement of outlet works at Anderson Dam, pending completion of a field investigation that will determine whether the Coyote Fault is seismically active. Seismic stability improvements will accomplish the following objectives:

- Resolve seismic stability deficiencies to ensure public safety.
- Restore lost reservoir storage capacity resulting from the operational restriction issued by Division of Safety of Dams (DSOD).
- Resolve the DSOD/FERC (Federal Energy Regulatory Commission) requirements in a timely manner.

In accordance with Federal regulations, this project includes the construction of subprojects as part of the Federal Energy Regulatory Commission Order Compliance Project (FOCP). These are:

- FOCP Anderson Dam Tunnel;
- FOCP Coyote Percolation Dam Replacement;
- FOCP Cross Valley Pipeline Extension;
- FOCP Coyote Creek Flood Management Measure; and
- FOCP Coyote Creek Stream Augmentation Fish Protection Measure.

This project meets the commitments of the voter approved Safe, Clean Water Program (SCW), Project C1. For a full description of the SCW benefits and KPI’s, please visit www.valleywater.org.

**PROJECT LOCATION**
## Schedule & Status

**January 2011 to June 2032**

### Expenditure Schedule

<table>
<thead>
<tr>
<th>Project</th>
<th>Actuals Thru</th>
<th>Planned Expenditures</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>FY21</td>
<td>FY22</td>
<td>FY23</td>
</tr>
<tr>
<td>91864005-Anderson Dam Seismic Retrofit</td>
<td>107,480</td>
<td>126,937</td>
<td>167,485</td>
</tr>
<tr>
<td></td>
<td>with inflation 107,480</td>
<td>126,937</td>
<td>167,485</td>
</tr>
</tbody>
</table>

Actuals include project expenditures, and encumbrances.

### Funding Schedule

<table>
<thead>
<tr>
<th>Project</th>
<th>Budget Thru</th>
<th>Adj. Budget</th>
<th>Est. Unspent</th>
<th>Planned Funding Requests</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>FY21</td>
<td>FY22</td>
<td>FY23</td>
<td>FY24</td>
<td>FY25</td>
</tr>
<tr>
<td>91864005-Anderson Dam Seismic Retrofit</td>
<td>107,049</td>
<td>127,368</td>
<td>167,485</td>
<td>122,267</td>
<td>95,435</td>
</tr>
</tbody>
</table>

Adjusted Budget includes adopted budget plus any planned budget adjustments.

### Funding Sources

<table>
<thead>
<tr>
<th>(in thousands $)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCVWD Water Utility Enterprise Fund</td>
</tr>
<tr>
<td>SCVWD Safe Clean Water Fund</td>
</tr>
<tr>
<td>Other Funding Sources</td>
</tr>
<tr>
<td><strong>Total</strong></td>
</tr>
</tbody>
</table>

### Operating Cost Impacts

The completion of this project is not anticipated to increase or decrease annual operating costs, as the project does not significantly alter the existing facilities or modes of operation.

### Useful Life

50+ Years
**PROJECT DESCRIPTION**

Project 91084020: This project performs planning (engineering and environmental) for the Calero and Guadalupe Dams. Project 91894002: This project designs and constructs improvements to Guadalupe Dam. The projects will accomplish the following objectives:

### Calero Dam
- Stabilize the embankment to withstand a Maximum Credible Earthquake (MCE).
- Modify or replace the outlet works if determined to be inadequate.
- Modify the spillway or increase the freeboard of the dam for safe passage of the Probable Maximum Flood (PMF).
- Provide modifications that do not preclude potential future expansion of dam and reservoir to provide additional reservoir storage.
- Remove or relocate the Bailey Ranch structures and breach Fellow's Dike.

### Guadalupe Dam
- Stabilize the embankment to withstand a MCE.
- Implement improvements as necessary for the dam system to safely pass the PMF.
- Ensure that the outlet works and hydraulic control system meet the Division of Safety of Dams requirements.
- Relocate the intake structure out of the upstream berm in a timely manner.
- Incorporate other measures to address seismic and other dam safety deficiencies that are identified through the Project delivery process.

### PROJECT LOCATION
**SCHEDULE & STATUS**

*July 2012 to January 2028*

### EXPENDITURE SCHEDULE

<table>
<thead>
<tr>
<th>Phase</th>
<th>Cost</th>
<th>FY 22</th>
<th>FY 23</th>
<th>FY 24</th>
<th>FY 25</th>
<th>FY 26</th>
<th>FY 27</th>
<th>FY 28</th>
<th>FY 29</th>
<th>FY 30</th>
<th>FY 31</th>
<th>FY 32</th>
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<tbody>
<tr>
<td>Plan</td>
<td></td>
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<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Design</td>
<td>9,561</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Construct</td>
<td>63,263</td>
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<td></td>
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<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Closeout</td>
<td>72</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>87,880</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

### FUNDING SCHEDULE

<table>
<thead>
<tr>
<th>Project</th>
<th>Budget Thru</th>
<th>Adj. Budget</th>
<th>Est. Unsspent</th>
<th>Planned Funding Requests</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>FY 21</td>
<td>FY 22</td>
<td>FY 23</td>
<td>FY 24</td>
<td>FY 25</td>
<td>Future</td>
</tr>
<tr>
<td>91084020 - Calero and Guadalupe Dams Seismic Retrofits-Planning</td>
<td>10,837</td>
<td>1,970</td>
<td>1,690</td>
<td>793</td>
<td>0</td>
</tr>
<tr>
<td>91894002 - Guadalupe Dam Seismic Retrofit-Design &amp; Construct</td>
<td>10,728</td>
<td>0</td>
<td>608</td>
<td>245</td>
<td>12,806</td>
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<tr>
<td><strong>Total</strong></td>
<td>21,565</td>
<td>1,970</td>
<td>2,299</td>
<td>1,038</td>
<td>12,806</td>
</tr>
</tbody>
</table>

### FUNDING SOURCES

- SCVWD Water Utility Enterprise Fund: 95,176
- Other Funding Source: 0

**Total: 95,176**

### OPERATING COST IMPACTS

Operating cost impacts are anticipated and will be determined during the planning phase.

### USEFUL LIFE:

50+ Years
PROJECT DESCRIPTION
This project designs and constructs improvements to the Calero Dam to accomplish the following objectives:

- Stabilize the embankment to withstand a Maximum Credible Earthquake.
- Modify or replace the outlet works if determined to be inadequate.
- Modify the spillway or increase the freeboard of the dam for safe passage of the Probable Maximum Flood.
- Provide modifications that do not preclude potential future expansion of dam and reservoir to provide additional reservoir storage.
- Remove or relocate the Bailey Ranch structures and breach Fellow's Dike.

PROJECT LOCATION
SCHEDULE & STATUS
January 2015 to June 2035

EXPENDITURE SCHEDULE
(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>Actuals Thru FY21</th>
<th>Planned Expenditures FY22 FY23 FY24 FY25 FY26 FY27 Future</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>91874004 - Calero Dam Seismic Retrofit-Design &amp; Construct</td>
<td>10,898</td>
<td>209 105 80 30 30 30 105,908 117,290</td>
<td></td>
</tr>
<tr>
<td></td>
<td>with inflation</td>
<td>10,898</td>
<td>209 105 87 34 36 37 147,509 158,916</td>
</tr>
</tbody>
</table>

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE
(in thousands $)

| Project | Budget Thru FY21 | Adj. Budget FY22 | Est. Unspent FY23 FY24 FY25 FY26 FY27 Future | Planned Funding Requests Total |
|---------|-----------------|-----------------|---------------------------------|---------------------|-------|
| 91874004 - Calero Dam Seismic Retrofit-Design & Construct | 13,147 | 0 | 2,040 0 0 0 0 0 0 145,769 158,916 |

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES
(in thousands $)

<table>
<thead>
<tr>
<th>Source</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCVWD Water Utility Enterprise Fund</td>
<td>158,916</td>
</tr>
<tr>
<td>Other Funding Source</td>
<td>0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>158,916</strong></td>
</tr>
</tbody>
</table>

OPERATING COST IMPACTS
Operating cost impacts are anticipated and will be determined during the design phase.

USEFUL LIFE: 50+ Years
Project: Coyote Pumping Plant ASD Replacement
Program: Water Supply – Storage
Project No.: 91234002
Contact: Heath McMahon
hmcmahon@valleywater.org

ASD motors at the Coyote Pumping Plant

PROJECT DESCRIPTION
This project plans, designs, and constructs improvements to the Coyote Pumping Plant Adjustable Speed Drives (ASD) to accomplish the following objectives:

- Replace existing outdated and unsupported ASDs with the latest technology.
- Modify/convert existing six wound rotor motors to be compatible with new stator fed ASD.
- Upgrade the heating, ventilation and air conditioning system to support the additional cooling requirements.
- Modify/upgrade supervisory control and data acquisition control and instrumentation systems, and control strategy to support the new ASDs.
- Replace two main medium voltage circuit breakers and one medium voltage tie circuit breaker (switch) which are at the end of service life.
- Replace motor control equipment line-up with new switchgears.
- Installation of a pump motor vibration and a power monitoring system and motor control center.

PROJECT LOCATION

[Map of the project location]
EXPENDITURE SCHEDULE
(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>Actuals Thru FY21</th>
<th>Planned Expenditures FY22</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>91234002-Coyote Pumping Plant ASD Replacement</td>
<td>2,141</td>
<td>1,845</td>
<td>26,432</td>
</tr>
<tr>
<td>with inflation</td>
<td>2,141</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE
(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>Budget Thru FY21</th>
<th>Adjusted FY22</th>
<th>Estimated FY23 Unspent</th>
<th>Planned Funding Requests FY24</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>91234002-Coyote Pumping Plant ASD Replacement</td>
<td>4,368</td>
<td>0</td>
<td>382</td>
<td>9,294</td>
<td>27,339</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>12,532</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1,068</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
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<td>78</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES
(in thousands $)

<table>
<thead>
<tr>
<th>Source</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCVWD Water Utility Enterprise Fund</td>
<td>27,339</td>
</tr>
<tr>
<td>Other Funding Sources</td>
<td>0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>27,339</strong></td>
</tr>
</tbody>
</table>

OPERATING COST IMPACTS
The completion of this project is anticipated to decrease operating costs by approximately $60,000 per year beginning in FY26.

USEFUL LIFE: Not Available
PROJECT DESCRIPTION
This project plans, designs, and constructs the Coyote Warehouse to accomplish the following objectives:

- Provide suitable storage space for pipeline spare parts and appurtenances, and to protect such materials from weather.
- Improve Valley Water's staff efficiency and effectiveness in pipeline maintenance work.

PROJECT LOCATION

Newly constructed warehouse will be used to secure equipment and spare parts
## SCHEDULE & STATUS
July 2015 to June 2023

### EXPENDITURE SCHEDULE
(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>FY21</th>
<th>FY22</th>
<th>FY23</th>
<th>FY24</th>
<th>FY25</th>
<th>FY26</th>
<th>FY27</th>
<th>Future</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>91234011-Coyote Warehouse</td>
<td>9,642</td>
<td>76</td>
<td>126</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>9,844</td>
</tr>
<tr>
<td>with inflation</td>
<td>9,642</td>
<td>76</td>
<td>126</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>9,844</td>
</tr>
</tbody>
</table>

Actuals include project expenditures, and encumbrances.

### FUNDING SCHEDULE
(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>FY21</th>
<th>FY22</th>
<th>FY23</th>
<th>FY24</th>
<th>FY25</th>
<th>FY26</th>
<th>FY27</th>
<th>Future</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>91234011-Coyote Warehouse</td>
<td>9,645</td>
<td>73</td>
<td>0</td>
<td>126</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>9,844</td>
</tr>
</tbody>
</table>

Adjusted Budget includes adopted budget plus approved budget adjustments.

### FUNDING SOURCES
(in thousands $)

<table>
<thead>
<tr>
<th>Source</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCVWD Water Utility Enterprise Fund</td>
<td>9,844</td>
</tr>
<tr>
<td>Other Funding Sources</td>
<td>0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>9,844</td>
</tr>
</tbody>
</table>

### OPERATING COST IMPACTS
Operating cost impacts will be determined upon completion of the construction phase.

### USEFUL LIFE:
50 years
PROJECT DESCRIPTION
This project conducts preliminary planning (seismic stability evaluation) for nine dams to accomplish the following objectives:

- Address seismic stability issues.
- Provide for public safety.
- Ensure operational availability of reservoirs.
- Address protection of the assets.

This project funds preliminary planning activities to determine the need for seismic stability improvements for eight of the nine dams identified on the map below. The evaluations for Almaden, Calero, Guadalupe, Lenihan, and Stevens Creek Dams have been completed as part of this project, while the evaluations for Coyote, Chesbro and Uvas are scheduled to continue through 2029. (The seismic stability evaluation for Anderson Dam was completed in a separate project.) Planning, design, and construction of identified seismic improvements, will be funded in the future as site-specific projects.

PROJECT LOCATION
## SCHEDULE & STATUS
August 2009 to June 2029

<table>
<thead>
<tr>
<th>Phase</th>
<th>Cost (in thousands $)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plan</td>
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</tr>
<tr>
<td>Design</td>
<td>-</td>
</tr>
<tr>
<td>Construct</td>
<td>-</td>
</tr>
<tr>
<td>Closeout</td>
<td>-</td>
</tr>
</tbody>
</table>

### EXPENDITURE SCHEDULE
(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>Actuals Thru FY21</th>
<th>Planned Expenditures FY22</th>
<th>FY23</th>
<th>FY24</th>
<th>FY25</th>
<th>FY26</th>
<th>FY27</th>
<th>Future</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>91084019-Dam Seismic Stability Evaluations</td>
<td>22,087</td>
<td>566</td>
<td>418</td>
<td>400</td>
<td>4,950</td>
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<td>700</td>
<td>29,821</td>
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<tr>
<td>with inflation</td>
<td>22,087</td>
<td>566</td>
<td>418</td>
<td>437</td>
<td>5,649</td>
<td>417</td>
<td>436</td>
<td>932</td>
<td>30,942</td>
</tr>
</tbody>
</table>

Actuals include project expenditures, and encumbrances.

### FUNDING SCHEDULE
(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>Budget Thru FY21</th>
<th>Adj. Est. Budget FY22</th>
<th>FY23</th>
<th>FY24</th>
<th>FY25</th>
<th>FY26</th>
<th>FY27</th>
<th>Future</th>
<th>Planned Funding Requests</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>91084019-Dam Seismic Stability Evaluations</td>
<td>22,588</td>
<td>65</td>
<td>418</td>
<td>437</td>
<td>5,649</td>
<td>417</td>
<td>436</td>
<td>932</td>
<td>30,942</td>
<td>30,942</td>
</tr>
</tbody>
</table>

Adjusted Budget includes adopted budget plus approved budget adjustments.

### FUNDING SOURCES
(in thousands $)

<table>
<thead>
<tr>
<th>Funding Source</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCVWD Water Utility Enterprise Fund</td>
<td>30,942</td>
</tr>
<tr>
<td>Other Funding Source</td>
<td>0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>30,942</strong></td>
</tr>
</tbody>
</table>

### OPERATING COST IMPACTS
The completion of this project is not anticipated to increase or decrease annual operating costs, as the project does not significantly alter the existing facilities or modes of operation.

### USEFUL LIFE:
50+ Years
PROJECT DESCRIPTION

This project will include expanding the storage capacity of the existing Pacheco Reservoir to 140,000 acre-feet through construction and operation of a new dam, conveyance facilities, and related appurtenant structures. The project objectives include:

- Increase suitable habitat in Pacheco Creek for federally threatened steelhead.
- Increase water supply reliability to help meet municipal and industrial water demands in Santa Clara County during drought periods and emergencies, or to address shortages due to regulatory and environmental restrictions.
- Develop water supplies for environmental water management that support habitat management and other environmental water needs.

This project meets the commitments of the voter approved Safe, Clean Water Program (SCW), Project A1. For a full description of the SCW benefits and KPI's, please visit www.valleywater.org.

PROJECT LOCATION
EXPENDITURE SCHEDULE

(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>Actuals Thru FY21</th>
<th>FY22</th>
<th>FY23</th>
<th>FY24</th>
<th>FY25</th>
<th>FY26</th>
<th>FY27</th>
<th>Future</th>
</tr>
</thead>
<tbody>
<tr>
<td>91954002-Pacheco Reservoir Expansion Project (A1)</td>
<td>56,005</td>
<td>15,411</td>
<td>31,204</td>
<td>40,203</td>
<td>241,223</td>
<td>287,737</td>
<td>241,331</td>
<td>1,292,958</td>
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<tr>
<td>with inflation</td>
<td>56,005</td>
<td>15,411</td>
<td>31,204</td>
<td>43,903</td>
<td>267,921</td>
<td>320,145</td>
<td>268,295</td>
<td>1,458,769</td>
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</table>

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>Budget Thru FY21</th>
<th>FY22</th>
<th>FY23</th>
<th>FY24</th>
<th>FY25</th>
<th>FY26</th>
<th>FY27</th>
<th>Future</th>
</tr>
</thead>
<tbody>
<tr>
<td>91954002-Pacheco Reservoir Expansion Project (A1)</td>
<td>80,276</td>
<td>-8,450</td>
<td>410</td>
<td>30,794</td>
<td>43,903</td>
<td>267,921</td>
<td>320,145</td>
<td>268,295</td>
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</table>

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

<table>
<thead>
<tr>
<th>Funding Source</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCVWD Water Utility Enterprise Fund</td>
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<td>California Water Commission</td>
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</tr>
<tr>
<td>SCVWD Safe Clean Water Fund - Measure S</td>
<td>10,000</td>
</tr>
<tr>
<td>Partnership Contributions (Unsecured)</td>
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</table>

Total Amount: 2,461,652

OPERATING COST IMPACTS

Operating cost impacts are anticipated and will be determined during the design phase.

USEFUL LIFE: TBD
**PROJECT DESCRIPTION**

This project provides resources for the improvement of small capital investments that replace or extend the life of an asset. This project implements a systematic approach to the renewal and replacement of equipment at facilities within the San Felipe Division, by designing and constructing improvements identified through Valley Water’s 10-year asset management program. Infrastructure within this project includes tunnels, large diameter pipelines, valve structures, pumps, and associated support equipment. Reach 1 renewal and replacement activities are conducted in coordination and cooperation with San Felipe Division Reach 1 contractors and other agencies. Planned projects for FY23 include:

- 91214010 Reach 1: Installation of a fire suppression system; electrical current limit fuse & hydraulic valve operating system (HVOS) upgrade.
- 91224010 Reach 2: Calaveras Fault Inlet/Calaveras Fault Outlet road access fix (culvert replacements).
- 91234010 Reach 3: Replace existing end-of-life staff trailers. Coyote Discharge Line – Replace meter vault instrumentation, Overhaul and recoat 2 pumps at Coyote Pumping Plant.

- All active projects have positive net present value savings at the time of the feasibility study and are subject to design phase validation.

**PROJECT LOCATION**

![Map of project location](image)

Example of bacterial corrosion on a suction wear ring of an impeller
SCHEDULE & STATUS
This project is part of a regularly scheduled 10-year maintenance and asset management program. Traditional planning, design, and construction phases do not apply.

EXPENDITURE SCHEDULE
(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>Actuals Thru</th>
<th>Planned Expenditures</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>FY21</td>
<td>FY22</td>
<td>FY23</td>
</tr>
<tr>
<td>91214010-Small Capital Improvements, San Felipe Reach 1</td>
<td>n/a</td>
<td>2,256</td>
<td>472</td>
</tr>
<tr>
<td>with inflation</td>
<td>n/a</td>
<td>2,256</td>
<td>472</td>
</tr>
<tr>
<td>91224010-Small Capital Improvements, San Felipe Reach 2</td>
<td>n/a</td>
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<td>0</td>
</tr>
<tr>
<td>with inflation</td>
<td>n/a</td>
<td>930</td>
<td>0</td>
</tr>
<tr>
<td>91234010-Small Capital Improvements, San Felipe Reach 3</td>
<td>n/a</td>
<td>1,331</td>
<td>2,060</td>
</tr>
<tr>
<td>with inflation</td>
<td>n/a</td>
<td>1,331</td>
<td>2,060</td>
</tr>
<tr>
<td>TOTAL</td>
<td>0</td>
<td>4,517</td>
<td>2,532</td>
</tr>
</tbody>
</table>

FUNDING SCHEDULE
(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>Budget Thru</th>
<th>Adj. Budget</th>
<th>Est. Unspent</th>
<th>Planned Funding Requests</th>
<th>Total</th>
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<tbody>
<tr>
<td></td>
<td>FY21</td>
<td>FY22</td>
<td>FY23</td>
<td>FY24</td>
<td>FY25</td>
</tr>
<tr>
<td>91214010-Small Capital Improvements, San Felipe Reach 1</td>
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<tr>
<td>91224010-Small Capital Improvements, San Felipe Reach 2</td>
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<td>930</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>91234010-Small Capital Improvements, San Felipe Reach 3</td>
<td>n/a</td>
<td>1,331</td>
<td>0</td>
<td>2,060</td>
<td>2,064</td>
</tr>
<tr>
<td>TOTAL</td>
<td>0</td>
<td>4,517</td>
<td>0</td>
<td>2,532</td>
<td>2,251</td>
</tr>
</tbody>
</table>

Adjusted Budget includes adopted budget plus approved budget adjustments. Small Capital Improvement projects do not carry forward unspent funds from one fiscal year to the next. Unspent funds are returned to fund reserves at the close of each fiscal year and new funding is provided in the next fiscal year.

FUNDING SOURCES
(in thousands $)

<table>
<thead>
<tr>
<th>Source</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCVWD Water Utility Enterprise Fund</td>
<td>59,966</td>
</tr>
<tr>
<td>San Benito County Water District</td>
<td>18,805</td>
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<tr>
<td>Total</td>
<td>78,771</td>
</tr>
</tbody>
</table>

OPERATING COST IMPACTS
The completion of this project is not anticipated to increase or decrease annual operating costs, as the project does not significantly alter the existing facilities or modes of operation.

USEFUL LIFE: Not Available
Transmission Facilities

- 142 Miles of Pipelines
- 3 Pump Stations
- 12 Capital Projects
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PROJECT DESCRIPTION

The project develops Valley Water’s large diameter Pipeline Management Strategy and a 10-year program for implementation tasks associated with the strategy. This program involves the inspection, planning, and design activities required for renewal of Valley Water’s large pipelines and tunnels. The project includes the following objectives:

- Perform dewatering and internal inspections of Valley Water’s pipelines and tunnels.
- Renew distressed pipe sections as required. Renewal encompasses the actions of repair, rehabilitation, and replacement.
- Perform condition assessment, maintenance, repair, coating, and other activities as required.
- Replace line valves, flow meters, pipeline appurtenance assemblies, and piping as required.
- Improve system performance by installing cathodic protection systems, acoustic fiber optic monitoring of prestressed concrete cylinder pipe, and transient pressure monitoring systems.
- Development of a pipeline asset risk management system that includes geographic information system, databases, algorithms, models, data acquisition, program documents, and decision support systems.
- Update Valley Water’s Pipeline Maintenance Program and its associated Programmatic Environmental Impact Report for future inspection and rehabilitation efforts to Valley Water’s pipeline system.

The project schedule includes inspection and renewal work along the various pipelines and tunnels as identified below:

- 2022: Santa Clara Conduit Phase I, Santa Clara Tunnel, Pacheco Tunnel, Almaden Valley Pipeline
- 2023: Snell Pipeline, Santa Clara Conduit Phase II
- 2024: West Pipeline Phase I
- 2025: West Pipeline Phase II
- 2026: East Pipeline

PROJECT LOCATION
**EXPENDITURE SCHEDULE**

(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>Actuals Thru FY21</th>
<th>Planned Expenditures FY22</th>
<th>FY23</th>
<th>FY24</th>
<th>FY25</th>
<th>FY26</th>
<th>FY27</th>
<th>Future</th>
</tr>
</thead>
<tbody>
<tr>
<td>95084002-10-Year Pipeline Inspection &amp; Rehabilitation</td>
<td>67,336</td>
<td>16,990</td>
<td>18,327</td>
<td>19,318</td>
<td>7,900</td>
<td>6,720</td>
<td>145</td>
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<tr>
<td>with inflation</td>
<td>67,336</td>
<td>16,990</td>
<td>18,327</td>
<td>20,782</td>
<td>8,754</td>
<td>7,683</td>
<td>181</td>
<td>0</td>
</tr>
</tbody>
</table>

Actuals include project expenditures, and encumbrances.

**FUNDING SCHEDULE**

(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>Budget Thru FY21</th>
<th>Adj. Budget FY22</th>
<th>Est. Unspsent FY23</th>
<th>Planned Funding Requests FY24</th>
<th>FY25</th>
<th>FY26</th>
<th>FY27</th>
<th>Future</th>
</tr>
</thead>
<tbody>
<tr>
<td>95084002-10-Year Pipeline Inspection &amp; Rehabilitation</td>
<td>72,234</td>
<td>16,243</td>
<td>4,151</td>
<td>14,176</td>
<td>20,782</td>
<td>8,754</td>
<td>7,683</td>
<td>181</td>
</tr>
</tbody>
</table>

Adjusted Budget includes adopted budget plus any planned budget adjustment.

**FUNDING SOURCES**

(in thousands $)

<table>
<thead>
<tr>
<th>Source</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCVWD Water Utility Enterprise Fund</td>
<td>140,053</td>
</tr>
<tr>
<td>Other Funding Sources</td>
<td>0</td>
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<tr>
<td>Total</td>
<td>140,053</td>
</tr>
</tbody>
</table>

**OPERATING COST IMPACTS**

The completion of this project is not anticipated to increase or decrease annual operating costs, as the project does not significantly alter the existing facilities or modes of operation.

**USEFUL LIFE:** 50+ Years
Almaden Valley Pipeline Replacement work is underway

PROJECT DESCRIPTION
The Almaden Valley Pipeline (AVP) is a part of the Valley Water raw water delivery system. This pipeline is used to supply raw water to Valley Water’s water treatment plants and groundwater recharge facilities. This pipeline provides access, with no redundancy, to local raw water sources from Valley Water’s Anderson and Calero Reservoirs and imported water from the United States Bureau of Reclamation San Luis Reservoir and San Felipe system. The AVP was constructed in two major units/phases: Unit 1 was constructed in the 1960s and Unit 2 was constructed in the 1980s. The AVP is approximately 12 miles in length consisting of 72-inch up to 78-inch diameter prestressed concrete cylinder pipe (approximately 7.5 miles), welded steel pipe and bar wrapped pipe (approximately 4.2 miles).

PROJECT LOCATION

[Map showing the project location]
EXPERIMENTAL SCHEDULE & STATUS
July 2019 to November 2040

EXPENDITURE SCHEDULE
(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>FY21</th>
<th>FY22</th>
<th>FY23</th>
<th>FY24</th>
<th>FY25</th>
<th>FY26</th>
<th>FY27</th>
<th>Future</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>92304001-Almaden Valley Pipeline Replacement</td>
<td>12</td>
<td>582</td>
<td>994</td>
<td>1,434</td>
<td>2,330</td>
<td>1,815</td>
<td>2,339</td>
<td>68,980</td>
<td>78,486</td>
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<tr>
<td>with inflation</td>
<td>12</td>
<td>582</td>
<td>994</td>
<td>1,566</td>
<td>2,659</td>
<td>2,164</td>
<td>2,915</td>
<td>99,706</td>
<td>110,598</td>
</tr>
</tbody>
</table>

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE
(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>FY21</th>
<th>FY22</th>
<th>FY23</th>
<th>FY24</th>
<th>FY25</th>
<th>FY26</th>
<th>FY27</th>
<th>Future</th>
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<tbody>
<tr>
<td>92304001-Almaden Valley Pipeline Replacement</td>
<td>668</td>
<td>841</td>
<td>915</td>
<td>79</td>
<td>1,566</td>
<td>2,659</td>
<td>2,164</td>
<td>2,915</td>
<td>99,706</td>
</tr>
</tbody>
</table>

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES
(in thousands $)

<table>
<thead>
<tr>
<th>Source</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCVWD Water Utility Enterprise Fund</td>
<td>110,598</td>
</tr>
<tr>
<td>Other Funding Sources</td>
<td>0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>110,598</strong></td>
</tr>
</tbody>
</table>

OPERATING COST IMPACTS
Operating cost impacts will be determined during the design phase.

USEFUL LIFE: 50+ Years
**PROJECT DESCRIPTION**

This project will develop a comprehensive 30-year implementation plan to identify improvements to Valley Water’s raw and treated water systems based on current demands, future growth, and emergencies. The project will optimize our raw and treated water distribution systems, evaluate retailer needs, recommend direct capital actions needed to protect existing distribution systems, and result in a programmatic EIR.

**PROJECT LOCATION**
**EXPENDITURE SCHEDULE**

(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>Actuals Thru</th>
<th>Planned Expenditures</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>FY21</td>
<td>FY22</td>
<td>FY23</td>
</tr>
<tr>
<td>95044001-Distribution System Implementation Project</td>
<td>385</td>
<td>4,903</td>
<td>732</td>
</tr>
<tr>
<td>with inflation</td>
<td>385</td>
<td>4,903</td>
<td>732</td>
</tr>
</tbody>
</table>

Actuals include project expenditures, and encumbrances.

**FUNDING SCHEDULE**

(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>Budget Thru</th>
<th>Adj. Budget</th>
<th>Est. Unspent</th>
<th>Planned Funding Requests</th>
<th>Total</th>
</tr>
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<tbody>
<tr>
<td></td>
<td>FY21</td>
<td>FY22</td>
<td>FY23</td>
<td>FY24</td>
<td>FY25</td>
</tr>
<tr>
<td>95044001-Distribution System Implementation Project</td>
<td>2,383</td>
<td>2,905</td>
<td>0</td>
<td>732</td>
<td>2,024</td>
</tr>
</tbody>
</table>

Adjusted Budget includes adopted budget plus approved budget adjustments.

**FUNDING SOURCES**

(in thousands $)

<table>
<thead>
<tr>
<th>Source</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCVWD Water Utility Enterprise Fund</td>
<td>8,956</td>
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<tr>
<td>Other Funding Sources</td>
<td>0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>8,956</strong></td>
</tr>
</tbody>
</table>

**OPERATING COST IMPACTS**

This project is not anticipated to increase or decrease annual operating costs, as the project is a planning and design effort. Projects and programs identified through the implementation plan will have their own operating cost impacts identified as they come online.

**USEFUL LIFE:** Not Available
PROJECT DESCRIPTION
In 1996, Guadalupe-Coyote Resource Conservation District (GCRCD) filed a water rights complaint against the district alleging degraded fish, wildlife, water quality and other beneficial uses in Coyote Creek, Guadalupe River and Stevens Creek. The 1997 listing of Central California Coast Steelhead as a threatened species under Federal Endangered Species Act requires Valley Water to obtain permits to address the impacts of its water supply activities on aquatic habitat and instream flows. In 2003, a settlement agreement was initialed by parties involved. Valley Water is the process of preparing a Fish Habitat Restoration Plan (FHRP) and associated environmental impact report to complete the water rights change petitions, resolve the water rights complaint and address issues raised in the 2003 Settlement Agreement. The FAHCE program consists of reservoir reoperations to support salmonid spawning, rearing and migration; provide fish passage and aquatic habitat restoration measures, and to adaptively manage FHRP implementation in the Guadalupe River, Coyote Creek and Stevens Creek watersheds (Three Creeks).

PROJECT LOCATION
Project sites will be located at reservoirs and streams within the Three Creeks Project Area, in the Guadalupe, Coyote and Stevens Creek Watersheds. Project site locations are yet to be determined and no map is provided.
## SCHEDULE & STATUS

July 2020 to June 2033

<table>
<thead>
<tr>
<th>Phase</th>
<th>Cost</th>
<th>FY 22</th>
<th>FY 23</th>
<th>FY 24</th>
<th>FY 25</th>
<th>FY 26</th>
<th>FY 27</th>
<th>FY 28</th>
<th>FY 29</th>
<th>FY 30</th>
<th>FY 31</th>
<th>FY 32</th>
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<tbody>
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</tbody>
</table>

### EXPENDITURE SCHEDULE

(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>Actuals Thru</th>
<th>Planned Expenditures</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>FY21</td>
<td>FY22</td>
<td>FY23</td>
</tr>
<tr>
<td>92C40357-FAHCE Implementation</td>
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<td>with inflation</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

Future column contains estimates with estimated inflation. Actuals include project expenditures, and encumbrances.

### FUNDING SCHEDULE

(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>Budget Thru</th>
<th>Adj. Budget</th>
<th>Est. Unspent</th>
<th>Planned Funding Requests</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>FY21</td>
<td>FY22</td>
<td>FY23</td>
<td>FY24</td>
<td>FY25</td>
</tr>
<tr>
<td>92C40357-FAHCE Implementation</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Adjusted Budget includes adopted budget plus approved budget adjustments.

### FUNDING SOURCES

(in thousands $)

<table>
<thead>
<tr>
<th>Source</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCVWD Water Utility Enterprise Fund</td>
<td>145,108</td>
</tr>
<tr>
<td>Other Funding Source</td>
<td>0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>145,108</strong></td>
</tr>
</tbody>
</table>

### OPERATING COST IMPACTS

Operating cost impacts will be dependent on the maintenance requirements of each site. Once the sites have been identified, operating costs will be determined based on the existing conditions and maintenance identified for each site.

### USEFUL LIFE:

Not Available
PROJECT DESCRIPTION
This project plans, designs, and constructs four additional line valves in the treated water distribution system, as defined in the Water Infrastructure Reliability Plan, Phase 2 (IRP2). Design and construction of this project will be in conjunction with work on the same pipelines under the 10-year Pipeline Inspection and Rehabilitation Project. The new line valves will be at various locations along the East, West, and Snell pipeline to accomplish the following objectives:

- Allow Valley Water to isolate sections of the treated water pipeline for general maintenance or to repair activities following a major seismic event.
- Allow the network of emergency wells to operate, even when there is damage upstream and downstream of individual

This project meets the commitments of the Safe, Clean Water Program (SCW), Project A3. For a full description of the SCW benefits and KPIs, please visit www.valleywater.org.

PROJECT LOCATION
**SCHEDULE & STATUS**

July 2018 to June 2029

Line valve construction to be coordinated with pipeline maintenance and rehabilitation projects.

**EXPENDITURE SCHEDULE**

<table>
<thead>
<tr>
<th>Project</th>
<th>Planned Expenditures</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>FY21</td>
<td>FY22</td>
</tr>
<tr>
<td>26764001-IRP2 Additional Line Valves (A3)</td>
<td>2,307</td>
<td>315</td>
</tr>
<tr>
<td>with inflation</td>
<td>2,307</td>
<td>315</td>
</tr>
</tbody>
</table>

Actuals include project expenditures, and encumbrances.

**FUNDING SCHEDULE**

<table>
<thead>
<tr>
<th>Project</th>
<th>Planned Funding Requests</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>FY21</td>
<td>FY22</td>
</tr>
<tr>
<td>26764001-IRP2 Additional Line Valves (A3)</td>
<td>2,278</td>
<td>344</td>
</tr>
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</table>

Adjusted Budget includes adopted budget plus approved budget adjustments.

**FUNDING SOURCES**

<table>
<thead>
<tr>
<th>Source</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCVWD Safe Clean Water Fund</td>
<td>16,539</td>
</tr>
<tr>
<td>Other Funding Source</td>
<td>0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>16,539</td>
</tr>
</tbody>
</table>

**OPERATING COST IMPACTS**

The completion of this project is not anticipated to increase or decrease annual operating costs, as the project does not significantly alter the existing facilities or modes of operation.

**USEFUL LIFE:** 35 Years
Access to much of the San Felipe Division pipelines must currently be made through private property, due to a lack of easements, such as Bloomfield access at Vault 21-23

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements related to the acquisition of right-of-way along the South County pipelines to accomplish the following objectives:

- Provide unlimited access to Valley Water-owned pipelines.
- Reduce conflicts with local land owners and improve response time for emergency repairs or operations.

PROJECT LOCATION
**EXPERIENCE SCHEDULE**

(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>Actuals Thru FY21</th>
<th>Planned Expenditures FY23</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>92144001-Pacheco/Santa Clara Conduit Right of Way Acquisition</td>
<td>1,878</td>
<td>2,300, 286, 0, 0, 0, 0</td>
<td>6,126</td>
</tr>
<tr>
<td>(with inflation)</td>
<td>1,878</td>
<td>2,300, 311, 0, 0, 0, 0</td>
<td>6,150</td>
</tr>
</tbody>
</table>

Actuals include project expenditures, and encumbrances.

**FUNDING SCHEDULE**

(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>Budget Thru FY21</th>
<th>Adjusted Budget FY22</th>
<th>Estimated Unspent FY23</th>
<th>Planned Funding Requests FY25</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>92144001-Pacheco/Santa Clara Conduit Right of Way Acquisition</td>
<td>3,334</td>
<td>1,659</td>
<td>1,459</td>
<td>311</td>
<td>6,150</td>
</tr>
</tbody>
</table>

Adjusted Budget includes adopted budget plus approved budget adjustments.

**FUNDING SOURCES**

(in thousands $)

- SCVWD Water Utility Enterprise Fund: 6,131
- San Benito County Water District: 19

**Total**: 6,150

**OPERATING COST IMPACTS**

The completion of this project is anticipated to increase operating costs by approximately $8,000 per year, beginning in FY23, for vegetation control and/or maintenance of fences, gates and locks for the access roads.

**USEFUL LIFE**: 15-20 Years
**PROJECT DESCRIPTION**

The process control/supervisory control and data acquisition (SCADA) systems, which serve a pivotal role in monitoring and controlling Valley Water’s raw water conveyance system (including reservoirs and pumping plants), treatment plants, and distribution systems, are aging and in need of a coordinated replacement and upgrade.

The proper functioning of these systems is essential for meeting water demand, maintaining water quality, achieving regulatory compliance, and satisfying customer expectations. In addition, the process control/SCADA systems provide important data used across the organization in the Operations, Maintenance, Water Quality, and Management divisions. Improved access to the data provided by this project will allow for more efficient management and operation of all the complex facilities and systems involved.

**PROJECT LOCATION**

![Map showing project location]
### SCHEDULE & STATUS
July 2020 to June 2023

<table>
<thead>
<tr>
<th>Phase</th>
<th>Cost</th>
<th>FY 22</th>
<th>FY 23</th>
<th>FY 24</th>
<th>FY 25</th>
<th>FY 26</th>
<th>FY 27</th>
<th>FY 28</th>
<th>FY 29</th>
<th>FY 30</th>
<th>FY 31</th>
<th>FY 32</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plan</td>
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<td></td>
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<tr>
<td>Design</td>
<td>1,569</td>
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</tr>
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<tr>
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<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>6,373</td>
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</tbody>
</table>

### EXPENDITURE SCHEDULE
(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>Actuals Thru</th>
<th>Planned Expenditures</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>95044002-SCADA Implementation Project</td>
<td>110 2,384 2,826 1,053 0 0 0 0</td>
<td>6,373</td>
<td></td>
</tr>
<tr>
<td>with inflation</td>
<td>110 2,384 2,826 1,150 0 0 0 0</td>
<td>6,470</td>
<td></td>
</tr>
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</table>

*Actuals include project expenditures, and encumbrances.*

### FUNDING SCHEDULE
(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>Budget Thru</th>
<th>Adjusted Budget</th>
<th>Estimated Unspent</th>
<th>Planned Funding Requests</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>95044002-SCADA Implementation Project</td>
<td>1,365 2,384 1,255 1,571 1,150 0 0 0 0 0 0 0</td>
<td>6,470</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Adjusted Budget includes adopted budget plus approved budget adjustments.*

### FUNDING SOURCES
(in thousands $)

| SCVWD Water Utility Enterprise Fund          | 6,470 |
| Other Funding Sources                        | 0     |
| **Total**                                    | **6,470** |

### OPERATING COST IMPACTS
This project is not anticipated to increase or decrease annual operating costs, as the project is a planning and design effort. Projects identified through this implementation project will have their own operating cost impacts identified as they come online.

### USEFUL LIFE
Not Available
Major repair and replacement of turnout roofs and similar small raw water capital projects will be completed in accordance with the asset management plan.

**PROJECT DESCRIPTION**

This project provides resources for the improvement of small capital investments that replace or extend the life of an asset. This project will repair or rehabilitate various existing raw water distribution facilities. These activities include identifying and fixing corrosion problems, replacing valves and other appurtenances and modifying water recharge facilities to avoid failure of the raw water transmission system and extend the life of the infrastructure. This project is part of Valley Water’s 10-year asset management program. Planned projects for FY22 include:

- Vasona Pumping Plant security fencing.
- Turnout roof replacements.
- Purchase spare parts for inventory.
- Calero Reservoir Inlet Flowmeters Replacement.
- Permanent Valley Habitat Plan buyout of all work areas within District Fee (for Cross Valley Pipeline and Recharge sites).
- Recycled water pipeline video inspection.

**PROJECT LOCATION**
SCHEDULE & STATUS
This project is part of a regularly scheduled 10-year maintenance and asset management program.

Traditional planning, design, and construction phases do not apply.

EXPENDITURE SCHEDULE
(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>Actuals Thru</th>
<th>Planned Expenditures</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>92764009: Small Capital Improvements, Raw Water</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Transmission with inflation</td>
<td>n/a</td>
<td>2,572 1,010 1,193</td>
<td>11,415</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4,037 200 0</td>
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</tr>
</tbody>
</table>

FUNDING SCHEDULE
(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>Budget Thru</th>
<th>Adj. Budget</th>
<th>Est. Unspent</th>
<th>Planned Funding Requests</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>92764009: Small Capital Improvements, Raw Water</td>
<td>n/a</td>
<td>2,572 0</td>
<td>1,010 1,303</td>
<td>4,607 239 0</td>
<td>13,138</td>
</tr>
<tr>
<td>Transmission with inflation</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Adjusted Budget includes adopted budget plus approved budget adjustments. Small Capital Improvement projects do not carry forward unspent funds from one fiscal year to the next. Unspent funds are returned to fund reserves at the close of each fiscal year and new funding is provided in the next fiscal year.

FUNDING SOURCES
(in thousands $)

| SCVWD Water Utility Enterprise Fund               | 13,138      |
| Other Funding Source                             | 0           |
| Total                                            | 13,138      |

OPERATING COST IMPACTS
The completion of this project is not anticipated to increase or decrease annual operating costs, as the project does not significantly alter the existing facilities or modes of operation.

USEFUL LIFE: Not Available
**PROJECT DESCRIPTION**

This project provides resources for the improvement of small capital investments that replace or extend the life of an asset. This project will repair or rehabilitate various existing treated water distribution facilities, such as identifying and treating corrosion problems, replacing valves and other appurtenances and repairing or adding turnouts to avoid failure of the treated water transmission system and to extend the life of the infrastructure. This project is part of Valley Water's 10-year asset management program. Planned projects for FY22 include:

- Treated water meter replacements.

**PROJECT LOCATION**
**SCHEDULE & STATUS**

This project is part of a regularly scheduled 10-year maintenance and asset management program.

Traditional planning, design, and construction phases do not apply.

**EXPENDITURE SCHEDULE**

*(in thousands $)*

<table>
<thead>
<tr>
<th>Project</th>
<th>Actuals Thru</th>
<th>Planned Expenditures</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>FY21 FY22</td>
<td>FY23 FY24 FY25 FY26 FY27 Future</td>
<td></td>
</tr>
<tr>
<td>94764006-Small Capital Improvements, Treated Water Transmission</td>
<td>n/a</td>
<td>131 302 277 100 42 0 215</td>
<td>1,067</td>
</tr>
<tr>
<td>with inflation</td>
<td>n/a</td>
<td>131 302 302 114 50 0</td>
<td>307 1,206</td>
</tr>
</tbody>
</table>

**FUNDING SCHEDULE**

*(in thousands $)*

<table>
<thead>
<tr>
<th>Project</th>
<th>Budget Thru</th>
<th>Adj. Budget</th>
<th>Est. Unspent</th>
<th>Planned Funding Requests</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>FY21 FY22</td>
<td>FY23 FY24 FY25 FY26 FY27 Future</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>94764006-Small Capital Improvements, Treated Water Transmission</td>
<td>n/a</td>
<td>131 0</td>
<td>302 302 114</td>
<td>0</td>
<td>50</td>
</tr>
</tbody>
</table>

Small Capital Improvement projects do not carry forward unspent funds from one fiscal year to the next. Unspent funds are returned to fund reserves at the close of each fiscal year and new funding is provided in the next fiscal year.

**FUNDING SOURCES**

*(in thousands $)*

<table>
<thead>
<tr>
<th>Funding Source</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCVWD Water Utility Enterprise Fund</td>
<td>1,206</td>
</tr>
<tr>
<td>Other Funding Source</td>
<td>0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>1,206</strong></td>
</tr>
</tbody>
</table>

**OPERATING COST IMPACTS**

The completion of this project is not anticipated to increase or decrease annual operating costs, as the project does not significantly alter the existing facilities or modes of operation.

**USEFUL LIFE:** Not Available
**PROJECT DESCRIPTION**

This project plans, designs, and constructs three (3) additional line valve appurtenances to accomplish the following objectives:

- Improve service levels to treated water system customers in a major hazard event or system outage.
- Improve Valley Water’s ability to take sections of the treated water distribution system out of service for maintenance activities.

**PROJECT LOCATION**

New line valves similar to this will be installed at three locations within the treated water system.

![Map showing project location](image)
**SCHEDULE & STATUS**
December 2018 to December 2028

Line valve construction to be coordinated with other pipeline maintenance and rehabilitation projects.

---

**EXPENDITURE SCHEDULE**
(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>FY22</th>
<th>FY23</th>
<th>FY24</th>
<th>FY25</th>
<th>FY26</th>
<th>FY27</th>
<th>FY28</th>
<th>FY29</th>
<th>FY30</th>
<th>FY31</th>
<th>FY32</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>94084007-Treated Water Isolation Valves</td>
<td>26</td>
<td>991</td>
<td>145</td>
<td>561</td>
<td>1,907</td>
<td>1,675</td>
<td>501</td>
<td>1,704</td>
<td>7,510</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>with inflation</td>
<td>26</td>
<td>991</td>
<td>145</td>
<td>605</td>
<td>2,110</td>
<td>1,922</td>
<td>599</td>
<td>2,103</td>
<td>8,501</td>
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</tr>
</tbody>
</table>

Actuals include project expenditures, and encumbrances.

---

**FUNDING SCHEDULE**
(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>Budget Thru</th>
<th>Adj. Est. Uns.</th>
<th>Planned Funding Requests</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>FY21</td>
<td>FY22</td>
<td>FY23</td>
<td>FY24</td>
</tr>
<tr>
<td>94084007-Treated Water Isolation Valves</td>
<td>1,271</td>
<td>0</td>
<td>254</td>
<td>0</td>
</tr>
</tbody>
</table>

Adjusted Budget includes adopted budget plus approved budget adjustments.

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**FUNDING SOURCES**
(in thousands $)

<table>
<thead>
<tr>
<th>Source</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCVWD Water Utility Enterprise Fund</td>
<td>8,501</td>
</tr>
<tr>
<td>Other Funding Sources</td>
<td>0</td>
</tr>
</tbody>
</table>

**Total**                                     | **8,501**   |

---

**OPERATING COST IMPACTS**

The operating budget impact for the three proposed line valve facilities is estimated to be $21,000 per year beginning in FY28.

**USEFUL LIFE:** 50 Years
PROJECT DESCRIPTION
This project plans, designs, and constructs improvements to the Vasona Pump Station, including replacing aging pumps, motors, drives, valves, actuators, and electrical and control systems that have reached the end of their useful life; and adding one redundant pump. The project will accomplish the following objectives:

- Eliminate the risk of failure by replacing assets that have reached the end of their useful life, including four pumps (two 200 horsepower, two 400 horsepower) and associated motors, drives, electrical and control systems, as well as pump discharge and suction valves and actuators.
- Increase operational flexibility and prepare for future capacity needs by adding one redundant pump and increasing the size of all pumps.

PROJECT LOCATION

![Project Location Map](image-url)
**SCHEDULE & STATUS**  
July 2017 to February 2025

<table>
<thead>
<tr>
<th>Phase</th>
<th>FY 22</th>
<th>FY 23</th>
<th>FY 24</th>
<th>FY 25</th>
<th>FY 26</th>
<th>FY 27</th>
<th>FY 28</th>
<th>FY 29</th>
<th>FY 30</th>
<th>FY 31</th>
<th>FY 32</th>
</tr>
</thead>
<tbody>
<tr>
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<td>21,136</td>
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<td>Closeout</td>
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<td></td>
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<td></td>
<td></td>
<td></td>
<td>21,136</td>
</tr>
</tbody>
</table>

**EXPENDITURE SCHEDULE**  
(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>FY21</th>
<th>FY22</th>
<th>FY23</th>
<th>FY24</th>
<th>FY25</th>
<th>FY26</th>
<th>FY27</th>
<th>Future</th>
</tr>
</thead>
<tbody>
<tr>
<td>92264001-Vasona Pump Station Upgrade</td>
<td>1,646</td>
<td>717</td>
<td>2,387</td>
<td>15,900</td>
<td>486</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>with inflation</td>
<td>1,646</td>
<td>717</td>
<td>2,387</td>
<td>16,963</td>
<td>555</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>21,136</td>
<td>16,963</td>
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<td>0</td>
<td>22,267</td>
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</tr>
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Actuals include project expenditures, and encumbrances.

**FUNDING SCHEDULE**  
(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>FY21</th>
<th>FY22</th>
<th>FY23</th>
<th>FY24</th>
<th>FY25</th>
<th>FY26</th>
<th>FY27</th>
<th>Future</th>
</tr>
</thead>
<tbody>
<tr>
<td>92264001-Vasona Pump Station Upgrade</td>
<td>3,113</td>
<td>715</td>
<td>1,465</td>
<td>922</td>
<td>16,963</td>
<td>555</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>22,267</td>
<td>0</td>
<td>0</td>
<td>22,267</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Adjusted Budget includes adopted budget plus approved budget adjustments.

**FUNDING SOURCES**  
(in thousands $)

<table>
<thead>
<tr>
<th>FUNDING SOURCES</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCVWD Water Utility Enterprise Fund</td>
<td>22,267</td>
</tr>
<tr>
<td>Other Funding Sources</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>22,267</td>
</tr>
</tbody>
</table>

**OPERATING COST IMPACTS**

The completion of this project is anticipated to reduce Valley Water maintenance costs about 50%; starting in FY25, operating and maintenance costs will be approximately $70,000 per year.

**USEFUL LIFE:** 50 Years
Treatment Facilities

- 3 Treatment Plants
- 8 Capital Projects
This page intentionally left blank.
**PROJECT DESCRIPTION**

This project plans, designs, and constructs modifications to the Penitencia Water Treatment Plant (PWTP) residuals management process to accomplish the following objectives:

- Extend the useful life of the treatment plant.
- Improve the efficiency of the residual management processes.
- Minimize or eliminate (existing) operational constraints and impacts to the drinking water treatment process.
- Minimize risk of discharge violations.
- Improve the reliability of PWTP.
- Install new washwater clarification and residuals management facilities.

**PROJECT LOCATION**

[Map showing project location]
**SCHEDULE & STATUS**
July 2020 to March 2027

**EXPENDITURE SCHEDULE**
(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>FY21</th>
<th>FY22</th>
<th>FY23</th>
<th>FY24</th>
<th>FY25</th>
<th>FY26</th>
<th>FY27</th>
<th>Future</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>9324044-PWTP Residuals Management with inflation</td>
<td>226</td>
<td>2,050</td>
<td>1,857</td>
<td>1,555</td>
<td>9,802</td>
<td>18,254</td>
<td>9,300</td>
<td></td>
<td>43,044</td>
</tr>
</tbody>
</table>

Actuals include project expenditures, and encumbrances.

**FUNDING SCHEDULE**
(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>FY21</th>
<th>FY22</th>
<th>FY23</th>
<th>FY24</th>
<th>FY25</th>
<th>FY26</th>
<th>FY27</th>
<th>Future</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>9324044-PWTP Residuals Management</td>
<td>683</td>
<td>1,593</td>
<td>0</td>
<td>1,857</td>
<td>1,555</td>
<td>9,802</td>
<td>18,254</td>
<td>9,300</td>
<td>43,044</td>
</tr>
</tbody>
</table>

Adjusted Budget includes adopted budget plus approved budget adjustments.

**FUNDING SOURCES**
(in thousands $)

<table>
<thead>
<tr>
<th>Source</th>
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<tr>
<td>SCVWD Water Utility Enterprise Fund</td>
<td>43,044</td>
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<tr>
<td><strong>Total</strong></td>
<td>43,044</td>
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</table>

**OPERATING COST IMPACTS**
Operating cost impacts will be determined during the construction phase.

**USEFUL LIFE:** Not Available
PROJECT DESCRIPTION

This project plans, designs, and constructs modifications to the Rinconada Water Treatment Plant (RWTP) residuals management processes and will accomplish the following objectives:

- Extend the useful life of the treatment plant.
- Improve the efficiency of the residual management processes.
- Improve the reliability of RWTP.

PROJECT LOCATION
**SCHEDULE & STATUS**  
May 2018 to January 2024

**EXPERIENCE SCHEDULE**  
(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>FY21</th>
<th>FY22</th>
<th>FY23</th>
<th>FY24</th>
<th>FY25</th>
<th>FY26</th>
<th>FY27</th>
<th>Future</th>
</tr>
</thead>
<tbody>
<tr>
<td>93294051-RWTP FRP Residuals Management</td>
<td>31,713</td>
<td>1,584</td>
<td>523</td>
<td>0</td>
<td>0</td>
<td>0</td>
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<tr>
<td>with inflation</td>
<td>31,713</td>
<td>1,584</td>
<td>523</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>93294058-RWTP Residuals Remediation</td>
<td>7,292</td>
<td>15,744</td>
<td>18,622</td>
<td>175</td>
<td>0</td>
<td>0</td>
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<tr>
<td>with inflation</td>
<td>7,292</td>
<td>15,744</td>
<td>18,622</td>
<td>191</td>
<td>0</td>
<td>0</td>
<td>0</td>
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<tr>
<td><strong>TOTAL</strong></td>
<td><strong>39,005</strong></td>
<td><strong>17,328</strong></td>
<td><strong>19,145</strong></td>
<td><strong>175</strong></td>
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<td><strong>0</strong></td>
<td><strong>0</strong></td>
<td><strong>0</strong></td>
</tr>
<tr>
<td>with inflation</td>
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<td>17,328</td>
<td>19,145</td>
<td>191</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
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</tbody>
</table>

Actuals include project expenditures, and encumbrances.

**FUNDING SCHEDULE**  
(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>Budget Thru</th>
<th>FY21</th>
<th>Adj. Budget</th>
<th>Est. Unspent</th>
<th>Planned Funding Requests</th>
</tr>
</thead>
<tbody>
<tr>
<td>93294051-RWTP FRP Residuals Management</td>
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<td>0</td>
<td>5,276</td>
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<td>0</td>
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<tr>
<td>93294058-RWTP Residuals Remediation</td>
<td>17,911</td>
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<td>225</td>
<td>18,397</td>
<td>191</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>56,484</strong></td>
<td><strong>5,351</strong></td>
<td><strong>5,501</strong></td>
<td><strong>18,397</strong></td>
<td><strong>191</strong></td>
</tr>
</tbody>
</table>

Adjusted Budget includes adopted budget plus approved budget adjustments. Funding exceeds planned expenditures by approximately $4,753,000. Excess funding will be returned to reserves upon project completion.

**FUNDING SOURCES**  
(in thousands $)

<table>
<thead>
<tr>
<th>Source</th>
<th>Amount</th>
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<tr>
<td><strong>Total</strong></td>
<td><strong>80,423</strong></td>
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</table>

**OPERATING COST IMPACTS**

The completion of this project is anticipated to decrease annual operating costs by approximately $200,000 per year starting in FY24.

**USEFUL LIFE**:  
Structures – 50 Years, Mechanical Equipment – 15 Years, Electrical Equipment – 10 Years
PROJECT DESCRIPTION
This project plans, designs, and constructs new facilities at Rinconada Water Treatment Plant (RWTP) that will improve plant reliability by accomplishing the following objectives:

- Construct a new filter building
- Implement raw water ozonation
- Increase RWTP capacity to 100 million gallons per day.

PROJECT LOCATION

![Aerial view of the Rinconada Water Treatment Plant facing west](image1)

![Artist rendering of the aerial view of the Rinconada Water Treatment Plant facing south after construction](image2)
SCHEDULE & STATUS  
July 2009 to June 2027

<table>
<thead>
<tr>
<th>Phase</th>
<th>Cost (in thousands $)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plan</td>
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</tr>
<tr>
<td>Design</td>
<td>27,435</td>
</tr>
<tr>
<td>Construct</td>
<td>402,885</td>
</tr>
<tr>
<td>Closeout</td>
<td>120</td>
</tr>
</tbody>
</table>

FY 22 FY 23 FY 24 FY 25 FY 26 FY 27 FY 28 FY 29 FY 30 FY 31 FY 32

EXPENDITURE SCHEDULE  
(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>Actuals Thru</th>
<th>Planned Expenditures</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>FY21</td>
<td>FY22</td>
<td>FY23</td>
</tr>
<tr>
<td>93294057-RWTP Reliability Improvement</td>
<td>250,257</td>
<td>13,925</td>
<td>14,340</td>
</tr>
<tr>
<td>with inflation</td>
<td>250,257</td>
<td>13,925</td>
<td>14,340</td>
</tr>
</tbody>
</table>

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE  
(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>Budget Thru</th>
<th>Adj. Budget</th>
<th>Est. Unspent</th>
<th>Planned Funding Requests</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>FY21</td>
<td>FY22</td>
<td>FY23</td>
<td>FY24</td>
<td>FY25</td>
</tr>
<tr>
<td>93294057-RWTP Reliability Improvement</td>
<td>251,869</td>
<td>20,617</td>
<td>8,304</td>
<td>6,036</td>
<td>55,706</td>
</tr>
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</table>

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES  
(in thousands $)

SCVWD Water Utility Enterprise Fund 461,675
Other Funding Source 0

Total 461,675

OPERATING COST IMPACTS
The completion of this project is anticipated to increase operating costs by approximately $1.4 million per year, beginning in FY26. Increases are for routine maintenance and operation of new equipment.

USEFUL LIFE: Media – 20 Years, Structures – 50 Years, Equipment – 15 Years
**PROJECT DESCRIPTION**

This project plans, designs, and constructs modifications to the Rinconada Water Treatment Plant (RWTP), including seismically strengthening the chemical storage structures; replacing/upgrading the valves and appurtenances used to control treated water at the clearwells and the Rinconada Reservoir; repairing a damaged baffle wall in the Rinconada Reservoir; and installing a 48-inch magnetic flow meter on the treatment plant's treated water effluent pipeline. Consistent with the Facility Renewal Program, this project will accomplish the following objectives:

- Ensure plant operational reliability.
- Improve ability to maintain RWTP.
- Allow for better isolation of the treated water control valves for future work.
- Achieve greater accuracy in measuring treated water deliveries.
- Restore existing landscaping after drought.

**PROJECT LOCATION**
The completion of this project is not anticipated to increase or decrease annual operating costs, as the project does not significantly alter the existing facilities or modes of operations.

**USEFUL LIFE:** 40 Years
**PROJECT DESCRIPTION**

This project provides resources for small capital improvements that replace or extend the life of an asset. This project implements a systematic approach of equipment replacement and renewal at the three water treatment plants and laboratory by designing and constructing improvements identified as part of Valley Water’s 10-year asset management program. Typical activities of this project include pump, motor, instrumentation and valve replacement; chemical tank repairs; and large-scale renewal and replacement activities like clarifier mechanism overhaul and replacement. Planned projects to complete for Santa Teresa Water Treatment Plant (STWTP), Penitencia Water Treatment Plan (PWTP), Rinconada Water Treatment Plant (RWTP), West Pipeline, and Silicon Valley Advanced Water Purification Center include:

- Provide engineering, supplies, and services support for the Sulfuric Acid Water Quality project.
- Purchase Laboratory Information Management System.
- Complete Small Capital Projects at STWTP, RWTP, PWTP and Campbell Well Field.

**PROJECT LOCATION**
SCHEDULE & STATUS
This project is part of a regularly scheduled 10-year maintenance and asset management program.

Traditional planning, design, and construction phases do not apply.

EXPENDITURE SCHEDULE
(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>Actuals Thru</th>
<th>Planned Expenditures</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>FY21</td>
<td>FY22</td>
<td>FY23</td>
</tr>
<tr>
<td>93764004-Small Capital Improvements, Water Treatment</td>
<td>n/a</td>
<td>10,911</td>
<td>4,612</td>
</tr>
<tr>
<td>with inflation</td>
<td>n/a</td>
<td>10,911</td>
<td>4,612</td>
</tr>
</tbody>
</table>

FUNDING SCHEDULE
(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>Budget Thru</th>
<th>Adj. Budget</th>
<th>Est. Unspent</th>
<th>Planned Funding Requests</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>FY21</td>
<td>FY22</td>
<td>FY23</td>
<td>FY24</td>
<td>FY25</td>
</tr>
<tr>
<td>93764004-Small Capital Improvements, Water Treatment</td>
<td>n/a</td>
<td>10,911</td>
<td>0</td>
<td>4,612</td>
<td>6,885</td>
</tr>
</tbody>
</table>

Adjusted Budget includes adopted budget plus approved budget adjustments. Small Capital Improvement projects do not carry forward unspent funds from one fiscal year to the next. Excess funds are returned to fund reserves at the close of each fiscal year and new funding is provided in the next fiscal year.

FUNDING SOURCES
(in thousands $)

<table>
<thead>
<tr>
<th>Source</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCVWD Water Utility Enterprise Fund</td>
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</tr>
<tr>
<td>Other Funding Source</td>
<td>0</td>
</tr>
<tr>
<td>Total</td>
<td>53,663</td>
</tr>
</tbody>
</table>

OPERATING COST IMPACTS
The completion of this project is not anticipated to increase or decrease annual operating costs, as the project does not significantly alter the existing facilities or modes of operation.

USEFUL LIFE: Not Available
PROJECT DESCRIPTION
This project plans, designs and constructs improvements to the Santa Teresa Water Treatment Plant (STWTP) filter basins to ensure that STWTP maintains its operational capacity and continues to effectively serve customers, retailers, and the public with safe and high-quality drinking water. This project will accomplish the following objectives:

- Extend the service life of STWTP filter system.
- Replace the filter media in all twelve filters with sand and granular activated carbon.
- Replace the filter's damaged or deteriorated collection nozzles.

PROJECT LOCATION

Santa Teresa Water Treatment Plant Filter Media Replacement
SCHEDULE & STATUS
June 2019 to June 2024

EXPENDITURE SCHEDULE
(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>Actuals Thru FY21</th>
<th>Planned Expenditures FY22</th>
<th>Planned Expenditures FY23</th>
<th>Planned Expenditures FY24</th>
<th>Planned Expenditures FY25</th>
<th>Planned Expenditures FY26</th>
<th>Planned Expenditures FY27</th>
<th>Future</th>
<th>Total</th>
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</thead>
<tbody>
<tr>
<td>93284013-STWTP Filter Media Replacement</td>
<td>332</td>
<td>2,076</td>
<td>7,122</td>
<td>5,085</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>14,615</td>
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<tr>
<td>with inflation</td>
<td>332</td>
<td>2,076</td>
<td>7,122</td>
<td>5,280</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>14,810</td>
</tr>
</tbody>
</table>

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE
(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>Budget Thru FY21</th>
<th>Adj. Budget FY22</th>
<th>Est. Unspent FY23</th>
<th>Planned Funding Requests FY24</th>
<th>Planned Funding Requests FY25</th>
<th>Planned Funding Requests FY26</th>
<th>Planned Funding Requests FY27</th>
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</thead>
<tbody>
<tr>
<td>93284013-STWTP Filter Media Replacement</td>
<td>647</td>
<td>2,813</td>
<td>6,070</td>
<td>5,280</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>14,810</td>
</tr>
</tbody>
</table>

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES
(in thousands $)

<table>
<thead>
<tr>
<th>Source</th>
<th>Amount</th>
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<tbody>
<tr>
<td>SCVWD Water Utility Enterprise Fund</td>
<td>14,810</td>
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<tr>
<td>Other Funding Sources</td>
<td>0</td>
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</tbody>
</table>

Total 14,810

OPERATING COST IMPACTS
The completion of this project is not anticipated to increase or decrease annual operating costs, as the project does not significantly alter the existing facilities or modes of operation.

USEFUL LIFE: 10-15 Years
PROJECT DESCRIPTION
This project plans, designs, and constructs improvements to ensure the safety, operational reliability and maintainability of electrical systems at Penitencia Water Treatment Plant (PWTP) and Santa Teresa Water Treatment Plant (STWTP). The electrical systems will be upgraded to accomplish the following objectives:

- Extend the service life of PWTP’s and STWTP’s electrical distribution systems
- Improve reliability and reduce maintenance at PWTP and STWTP

PROJECT LOCATION
SCHEDULE & STATUS
March 2020 to April 2025

EXPENDITURE SCHEDULE
(in thousands $)

<table>
<thead>
<tr>
<th>Phase</th>
<th>Cost (in thousands $)</th>
<th>FY 22</th>
<th>FY 23</th>
<th>FY 24</th>
<th>FY 25</th>
<th>FY 26</th>
<th>FY 27</th>
<th>FY 28</th>
<th>FY 29</th>
<th>FY 30</th>
<th>FY 31</th>
<th>FY 32</th>
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</thead>
<tbody>
<tr>
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</tr>
<tr>
<td>Construct</td>
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</tr>
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</tbody>
</table>

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE
(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>Budget Thru</th>
<th>FY21</th>
<th>Adj. Budget</th>
<th>FY22</th>
<th>Est. Unspent</th>
<th>FY23</th>
<th>Planned Funding Requests</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>FY24</td>
<td></td>
<td>FY25</td>
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<td></td>
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<td>93084004-Water Treatment Plant Electrical Improvement</td>
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<td>5,695</td>
<td>1,993</td>
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Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES
(in thousands $)

<table>
<thead>
<tr>
<th>Source</th>
<th>Amount</th>
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<tr>
<td>SCVWD Water Utility Enterprise Fund</td>
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<td>Other Funding Sources</td>
<td>0</td>
</tr>
<tr>
<td>Total</td>
<td>11,626</td>
</tr>
</tbody>
</table>

OPERATING COST IMPACTS
Operating costs will be determined at the conclusion of the design phase.

USEFUL LIFE: 30+ Years
This project will implement improvements in all four water treatment facilities operated by Valley Water.

PROJECT DESCRIPTION
This project will develop a comprehensive 30-year implementation plan to determine the projects needed to repair, replace and/or upgrade Valley Water’s water treatment plant infrastructure, address the increasingly stringent water quality regulations, and integrate with the recently completed Water Supply Master Plan. The implementation project will conclude with a programmatic environmental impact report. Facilities will include the Rinconada, Santa Teresa, Penitencia Water Treatment Plants and the Advanced Water Purification Center.

PROJECT LOCATION

![Project Location Map]
**SCHEDULE & STATUS**

*July 2020 to June 2025*

<table>
<thead>
<tr>
<th>Phase</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plan</td>
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<td>Design</td>
<td>-</td>
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<tr>
<td>Construct</td>
<td>-</td>
</tr>
<tr>
<td>Closeout</td>
<td>-</td>
</tr>
</tbody>
</table>

**EXPENDITURE SCHEDULE**

(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>Actuals Thru FY21</th>
<th>Planned Expenditures FY22</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>93044001-WTP Implementation Project</td>
<td>291</td>
<td>4,381 732 2,928 750</td>
<td>9,082</td>
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<tr>
<td>with inflation</td>
<td>291</td>
<td>4,381 732 3,197 856</td>
<td>9,457</td>
</tr>
</tbody>
</table>

Actuals include project expenditures, and encumbrances.

**FUNDING SCHEDULE**

(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>Budget Thru FY21</th>
<th>Adj. Budget FY22</th>
<th>Est. Unspent FY23</th>
<th>Planned Funding Requests FY24</th>
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<th>FY26</th>
<th>FY27</th>
<th>Future</th>
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<tbody>
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<td>3,278</td>
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<td>732 3,197 856</td>
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<td>0</td>
<td>0</td>
<td>9,457</td>
</tr>
</tbody>
</table>

Adjusted Budget includes adopted budget plus approved budget adjustments.

**FUNDING SOURCES**

(in thousands $)

<table>
<thead>
<tr>
<th>Source</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCVWD Water Utility Enterprise Fund</td>
<td>9,457</td>
</tr>
<tr>
<td>Other Funding Sources</td>
<td>0</td>
</tr>
</tbody>
</table>

**Total** 9,457

**OPERATING COST IMPACTS**

This project is not anticipated to increase or decrease annual operating costs, as the project is a planning effort that will be used to identify future repair and upgrade projects to Water Treatment Plants. Projects identified through this implementation project will have their own operating cost impacts identified as they come online.

**USEFUL LIFE:** Not Available
Recycled & Purified Water Facilities

- 4 Source Plants (Shared Ownership)
- 1 Pipeline
- 3 Capital Projects
- 1 Advanced Water Purification Center
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**PROJECT DESCRIPTION**

This project plans, designs, and constructs new infrastructure, proposed in Valley Water’s 2012 Water Supply Master Plan, to accomplish the following objectives:

- Expand Valley Water’s long-term water supply portfolio.
- Ensure a drought-proof and reliable water supply for Silicon Valley.

Project elements may include, but are not limited to:

- Expansion of the Silicon Valley Advanced Water Purification Center to produce up to an additional 24 million gallons per day of advanced purified water.
- Installation of pipelines to convey advanced purified water to Valley Water’s existing groundwater recharge ponds for indirect potable reuse, or to Valley Water’s conventional surface water treatment plants for use as raw water augmentation (direct potable reuse).
- Installation of purified water injection wells at strategic locations to improve groundwater basin management.

**PROJECT LOCATION**
## EXPENDITURE SCHEDULE

(in thousands $)

<table>
<thead>
<tr>
<th>Phase</th>
<th>Cost (in thousands $)</th>
<th>FY 22</th>
<th>FY 23</th>
<th>FY 24</th>
<th>FY 25</th>
<th>FY 26</th>
<th>FY 27</th>
<th>FY 28</th>
<th>FY 29</th>
<th>FY 30</th>
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<tr>
<td>Design</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Construct</td>
<td>549,820</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
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<td></td>
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<td></td>
</tr>
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<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>645,733</strong></td>
<td></td>
<td></td>
<td></td>
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<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Actuals include project expenditures, and encumbrances.

## FUNDING SCHEDULE

(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>Budget Thru</th>
<th>Adj. Budget</th>
<th>Est. Unspent</th>
<th>Planned Funding Requests</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>FY21</td>
<td>FY22</td>
<td>FY23</td>
<td>FY24</td>
<td>FY25</td>
<td>FY26</td>
</tr>
<tr>
<td>91304001 - Purified Water Project</td>
<td>26,595</td>
<td>2,949</td>
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<td>33,700</td>
<td>35,384</td>
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<tr>
<td>91284009 - Silicon Valley Advanced Water Purification Center Expansion</td>
<td>479</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
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<tr>
<td>91384001 - Purified Water Pipelines</td>
<td>35</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>27,109</strong></td>
<td><strong>2,949</strong></td>
<td><strong>0</strong></td>
<td><strong>33,700</strong></td>
<td><strong>35,384</strong></td>
</tr>
</tbody>
</table>

## FUNDING SOURCES

(in thousands $)

- SCVWD Water Utility Enterprise Fund: 730,979
- Other Funding Sources: 0
- **Total**: 730,979

## OPERATING COST IMPACTS

Operating cost impacts are anticipated and will be determined during the planning phase.

**USEFUL LIFE:** Not Available
PROJECT DESCRIPTION
Valley Water is contractually required to maintain and operate the recycled water pipeline in South County as a part of an agreement with the South County Regional Wastewater Authority (SCRWA). It has been determined that there are insufficient and expired land rights to Valley Water’s recycled water pipeline in segments near the Eagle Ridge Golf Course and along Hecker Pass road, which places Valley Water in a precarious legal position. In the event of a pipe failure, Valley Water’s rights to legally operate and maintain the recycled water conveyance system may be challenged; thus, our commitment to deliver recycled water to its South County customers is at risk.

Valley Water’s ongoing implementation of the SCRWA Recycled Water Master Plan is impetus to affirm the pipeline easements and Valley Water access rights. Delaying resolution of this outstanding issue may cause difficulties in maintaining the pipelines, and will negatively impact our long-term commitment to increase recycled water use in South County.

PROJECT LOCATION
# Schedule & Status

**July 2020 to June 2025**

## Expenditure Schedule

_(in thousands $)_

<table>
<thead>
<tr>
<th>Project</th>
<th>Actuals Thru</th>
<th>Planned Expenditures</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>91094001-Land Rights - South County Recycled Water Pipeline</td>
<td>FY21: 5</td>
<td>FY22: 548</td>
<td>FY23: 3,260, FY24: 3,160</td>
</tr>
<tr>
<td></td>
<td>with inflation</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Actuals include project expenditures, and encumbrances.*

## Funding Schedule

_(in thousands $)_

<table>
<thead>
<tr>
<th>Project</th>
<th>Budget Thru</th>
<th>Adj. Budget</th>
<th>Est. Unspent</th>
<th>Planned Funding Requests</th>
<th>Total</th>
</tr>
</thead>
</table>

*Adjusted Budget includes adopted budget plus approved budget adjustments.*

## Funding Sources

_(in thousands $)_

<table>
<thead>
<tr>
<th>Source</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCVWD Water Utility Enterprise Fund</td>
<td>7,264</td>
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<tr>
<td>Other Funding Sources</td>
<td>0</td>
</tr>
</tbody>
</table>

**Total** 7,264

## Operating Cost Impacts

The completion of this project is not anticipated to increase or decrease annual operating costs, as the project does not significantly alter the existing facilities or modes of operation.

## Useful Life

*All land rights obtained will be held in perpetuity.*
**PROJECT DESCRIPTION**

This project plans, designs, and constructs water recycling systems based on the South County Recycled Water Master Plan (Master Plan) accepted in December 2004, and updated in 2015, to improve system redundancy, reliability, and capacity. The current Master Plan report presents a 20-year capital program for expanding water recycling in South County in three phases; Immediate Term, Short Term, and Long Term:

**Completed:**
- 91094007 Recycled Water South County Masterplan (2004 Immediate Term) which included design and construction of recycled water storage, pumping, and distribution facilities for agricultural use near the South County Regional Wastewater Authority (SCRWA) treatment plant.
- 91094008 Recycled Water South County Masterplan (2004 Short Term Phase 1A), installation of approximately 3,000 feet of 30-inch and 36-inch pipeline.

**Currently Underway:**
- 91094009 South County Recycled Water Pipeline (2004 Short Term Phase 1B/2A/1C/2B) will construct an additional 18,500 linear feet of pipeline.
- 91094010 South County Recycled Water Pipeline (2004 Short Term Phase 2) will be completed through cost-sharing opportunities with the City of Gilroy and land developers to construct approximately 3,900 linear feet of 30-inch diameter pipe.
- 91094010 South County Recycled Water Pipeline (2004 Long Term Phase 3) to be completed through cost-sharing opportunities with the land developers through coordination by the City of Gilroy to construct approximately 9,200 linear feet of 24-inch diameter pipe.

**PROJECT LOCATION**
SCHEDULE & STATUS
January 2012 to June 2024

The schedule chart shows Short-Term Phase 1B and Phase 2 projects only. The Immediate-Term and Short-Term Phase 1A projects are complete.

EXPENDITURE SCHEDULE
(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>Actuals Thru</th>
<th>Planned Expenditures</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>FY21</td>
<td>FY22</td>
<td>FY23</td>
</tr>
<tr>
<td>91094007-Recycled Water South County Masterplan - Immediate Term</td>
<td>3,257</td>
<td>0</td>
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<tr>
<td>with inflation</td>
<td>3,257</td>
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<td>0</td>
</tr>
<tr>
<td>91094008-Recycled Water South County Masterplan - Short Term 1A</td>
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<td>0</td>
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</tr>
<tr>
<td>with inflation</td>
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<td>0</td>
</tr>
<tr>
<td>91094009-South County Recycled Water Pipeline - Short Term 1B</td>
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<tr>
<td>with inflation</td>
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<td>15,774</td>
<td>15,936</td>
</tr>
<tr>
<td>91094010-South County Recycled Water Pipeline - Short Term 2</td>
<td>7,552</td>
<td>544</td>
<td>523</td>
</tr>
<tr>
<td>with inflation</td>
<td>7,552</td>
<td>544</td>
<td>523</td>
</tr>
<tr>
<td>TOTAL</td>
<td>27,041</td>
<td>15,921</td>
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</tr>
<tr>
<td>with inflation</td>
<td>27,041</td>
<td>16,318</td>
<td>16,459</td>
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</table>

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE
(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>Budget Thru</th>
<th>Adj. Budget</th>
<th>Est. Unspent</th>
<th>Planned Funding Requests</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>FY21</td>
<td>FY22</td>
<td>FY23</td>
<td>FY24</td>
<td>FY25</td>
</tr>
<tr>
<td>91094007-Recycled Water South County Masterplan - Immediate Term</td>
<td>3,257</td>
<td>0</td>
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<td>0</td>
<td>0</td>
</tr>
<tr>
<td>91094008-Recycled Water South County Masterplan - Short Term 1A</td>
<td>5,391</td>
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<td>0</td>
<td>0</td>
<td>0</td>
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<tr>
<td>91094009-South County Recycled Water Pipeline - Short Term 1B</td>
<td>20,049</td>
<td>15,310</td>
<td>8,744</td>
<td>7,192</td>
<td>425</td>
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<tr>
<td>91094010-South County Recycled Water Pipeline - Short Term 2</td>
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<td>115</td>
<td>116</td>
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<td>TOTAL</td>
<td>36,805</td>
<td>15,310</td>
<td>8,756</td>
<td>7,703</td>
<td>425</td>
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</tbody>
</table>

Adjusted Budget includes adopted budget plus approved budget adjustments. Funding exceeds planned expenditures by approximately $280,000. Excess funding will be returned to reserves upon completion of the project.

FUNDING SOURCES
(in thousands $)

<table>
<thead>
<tr>
<th>Source</th>
<th>Amount</th>
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<tbody>
<tr>
<td>SCVWD Water Utility Enterprise Fund</td>
<td>52,437</td>
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<tr>
<td>South County Regional Wastewater Authority</td>
<td>811</td>
</tr>
<tr>
<td>United States Bureau of Reclamation (USBR) ARRA</td>
<td>1,295</td>
</tr>
<tr>
<td>United States Bureau of Reclamation (USBR) Title 16</td>
<td>5,700</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>60,243</strong></td>
</tr>
</tbody>
</table>

OPERATING COST IMPACTS
Estimated Valley Water share of the operating and maintenance costs are $8,000 per year for the Immediate-Term phase, beginning in FY07 and an additional $25,000 for the Short-Term Phase 1, beginning in FY19. Increases for Immediate Term are primarily labor costs for operating the new 3mg reservoir and its pump station. Increases for Short Term are labor and materials to maintain the 42,000 feet of new pipeline, exercising valves and cathodic protection.

USEFUL LIFE: Pipelines–50 Years, Pumps–20 Years
Flood Protection
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Flood Protection Capital Improvements

FLOOD PROTECTION OVERVIEW

Of the approximately 800 miles of creeks in Santa Clara County, Valley Water has jurisdiction over and manages approximately 275 miles to meet the Board’s Ends Policy E–3, “Natural flood protection is provided to reduce risk and improve health and safety for residents, businesses, and visitors, now and into the future.” Valley Water’s goals are further defined in E-3.1, “Maintain flood protection facilities to design levels of protection” and E-3.2, “Assist people, businesses, schools, and communities to prepare for, respond to, and recover from flooding through equitable and effective engagement.” The 275 miles of creeks are located in five watersheds: Lower Peninsula, West Valley, Guadalupe, Coyote, and Uvas/Llagas. Valley Water administers an asset management program for its flood protection infrastructure. The program includes a schedule for maintenance and rehabilitation to ensure that each facility functions as intended throughout its useful life.

Fifty years of flood protection management has significantly reduced the intensity and frequency of flooding in Santa Clara County. By 2005, Valley Water had provided flood protection to 93,253 of the 166,526 parcels in the floodplain and another approximately 10,445 have been protected since then.

The voters in Santa Clara County have supported Valley Water’s flood protection efforts by approving benefit assessment funding in 1982, 1986, and 1990. Voters also approved three special parcel taxes. In 2000, voters approved the Clean, Safe Creeks and Natural Flood Protection Plan (Clean, Safe Creeks). The Clean, Safe Creeks Plan was replaced by the Safe, Clean Water and Natural Flood Protection Program, which voters approved in 2012 (2012 Safe, Clean Water). In 2020, voters approved the renewal of the Safe, Clean Water Program, which replaced the 2012 Safe, Clean Water Program in entirety. Unlike the first two special parcel taxes, which were set to sunset in 15-years from the date of implementation, the renewed Safe, Clean Water Program will continue until repealed by voters or until the Board determines the funding is no longer needed.

The renewed Safe, Clean Water Program - Fund 26, along with the Watershed and Stream Stewardship (1% ad valorem property tax) - Fund 12, are the two primary funding sources for flood protection projects. Listed by watershed are the completed and current flood protection capital improvements, moving upstream from the completed downstream work or starting new work on creeks that have not had flood protection work.

Lower Peninsula Watershed
Major Capital Improvements Completed
- San Francisquito Creek from the S.F. Bay to Highway 101 (Safe, Clean Water)
- San Francisquito Creek from Highway 101 to Searsville Dam (Safe, Clean Water)
- Adobe Creek from El Camino to West Edith Ave.
- Matadero Creek from Palo Alto Flood Basin to Barron Creek

Major Capital Improvements Identified in the CIP
- Palo Alto Flood Basin Structure Improvements
- Permanente Creek from S.F. Bay to Foothill Expressway (2012 Safe, Clean Water)

West Valley Watershed
Major Capital Improvements Completed
- Calabazas Creek from Guadalupe Slough to Wardell Road
- San Tomas Creek from Southern Pacific Railroad to Cabrillo Avenue
- Saratoga Creek from San Tomas Creek to Lawrence Expressway

Major Capital Improvements Identified in the CIP
- Sunnyvale East and West Channels (Safe, Clean Water)

Guadalupe Watershed
Major Capital Improvements Completed
- Guadalupe River–Lower from Alviso Marina to Interstate 880
- Guadalupe River–Downtown from Interstate 880 to Interstate 280
Flood Protection Capital Improvements

Major Capital Improvements Identified in the CIP
- Guadalupe River–Upper, Interstate 280 to Blossom Hill Road (Safe, Clean Water)
- Guadalupe River, Tasman Drive to I-880

Coyote Watershed

Major Capital Improvements Completed
- Coyote Creek from S.F. Bay to Montague Expressway
- Lower Penitencia Creek from Coyote Creek to Tasman Drive
- Lower Silver Creek from Coyote Creek to Cunningham Ave. (Reaches 1-6)
- Cunningham Flood Detention Certification
- Berryessa Creek from Calaveras Boulevard to Interstate 680 (2012 Safe, Clean Water)

Major Capital Improvements Identified in the CIP
- Berryessa Creek from Lower Penitencia Creek to Calaveras Boulevard (Safe, Clean Water)
- Coyote Creek Montague Expressway to Tully Road (Safe, Clean Water)
- Lower Penitencia Creek Improvements, Berryessa to Coyote Creeks
- Lower Silver Creek from Interstate 680 to Cunningham Ave., (Reaches 4-6)
- Upper Penitencia Creek from Coyote Creek to Dorel Drive (Safe, Clean Water)

Uvas/Llagas Watershed

Major Capital Improvements Completed
- Llagas Creek–Lower from Pajaro River to Buena Vista Avenue
- Uvas Creek

Major Capital Improvements Identified in the CIP
- Llagas Creek-Lower, Capacity Restoration from Buena Vista Avenue to Pajaro River
- Llagas Creek–Upper, Buena Vista Avenue to Llagas Road (Safe, Clean Water)

Multiple Watersheds

Major Capital Improvements Identified in the CIP
- San Francisco Bay Shoreline (Safe, Clean Water)
- Watershed Asset Rehabilitation Program

CIP PLANNING PROCESS AND FINANCIAL ANALYSIS

The annual CIP Planning Process starts with collecting information on proposed new capital projects in July, followed by the validation of proposed new projects, preliminary scoping, review and financial analyses to produce a Draft CIP in February.

The Board then authorizes release of the Draft CIP to the public and local municipalities for review, conducts a public hearing, and approves the resolution to adopt the Final CIP in May.

A financial analysis of the Watershed and Stream Stewardship Fund and Safe, Clean Water Fund, the funding sources for flood protection capital improvements, was conducted to determine if there are limitations to funding all of the projects proposed for the FY 2023-27 CIP.

Funding required for portions of several CIP projects is contingent on grants and partnership agreements that are under development and not currently secured. As Valley Water works through the process to secure funding, the project schedules may be adjusted. Projects with unsecured funding include:
- San Francisquito Creek, upstream of Hwy 101
- Upper Llagas, portions of Phase 2B (Reaches 6, 7b, 8, and 14)

Further, many of the flood protection projects under the renewed Safe, Clean Water Program include key performance indicators (KPIs) for a preferred project, which requires federal funding, and for a local-funding only version of the project, which can be constructed if federal funding is not received.

Operations and Maintenance Costs

It is understood that new capital projects have an impact on future operations and maintenance, and this is included in the financial analysis. Periodically throughout the project, projections of this impact are updated to reflect changes in the project elements.
Significant Project Updates from the Prior Year

Listed here are the changes to projects from the FY 2022-26 Adopted CIP:

• The Palo Alto Flood Basin Tide Gate Structure Improvements Project has increased in cost by $1.04 million due to increased staff labor for coordinating and discussing potential required tribal and archaeological monitoring. More time is needed to acquire all necessary project permits; negotiate reasonable permit conditions; and procure the necessary materials.

• The San Francisco Bay Shoreline Project EIA 11 has decreased in cost by $38.77 million due to the removal of planned expenditures associated with Reaches 4-5 real estate acquisition.

• The San Francisquito Flood Protection Project (Construction SF Bay to Middlefield Rd.) has been updated to extend the schedule by four years to accommodate the additional efforts needed to acquire state and federal regulatory permits and factor in the three-year plant establishment period. The total project cost has increased by $12.61 million due to increased right-of-way fees, additional construction activities and top of bank treatments.

• The Guadalupe River (Tasman Drive to Interstate 880) Project has increased by $3.26 million due to inflation. Planned expenditures have been allocated to future years due to a delay in feasibility alternatives review and an extension of the design schedule.

• The Berryessa Creek (Lower Penitencia Creek to Calaveras Boulevard, Phase 2) Project has increased in cost by $1.50 million due to higher-than-anticipated costs for construction staff.

• The Lower Penitencia Creek (Berryessa Creek to Coyote Creek) Project has increased in cost by $6.89 million. The total project cost increase is to restore funds that were previously reallocated to the Shoreline Project.

• The Upper Llagas Creek (LERRDs) Project has increased in cost by $3.05 million due to the discovery of underground utilities and the necessary relocation thereof. Cost increases are also associated with the increase of cost for construction materials, as well as the addition of previously unforeseen real estate services.

The Safe, Clean Water Program

The Renewed Safe, Clean Water Program, approved by voters in 2020, began in FY 2021-22 and includes the following flood protection projects:

- San Francisquito Creek, SF Bay to Middlefield Road
- Sunnyvale East & West Channels
- Upper Guadalupe River, I-280 to Blossom Hill Road
- Berryessa Creek from Lower Penitencia Creek to Calaveras Boulevard - Phase 3
- Coyote Creek, Montague Expwy. to I-280
- Upper Penitencia Creek, Coyote to Dorel Drive
- Llagas Creek-Upper, Buena Vista Avenue to Llagas Road
- San Francisco Bay Shoreline - Design and Partial Construction of EIA 11 and Planning for other EIAs

With the exception of the Berryessa Creek from Lower Penitencia Creek to Calaveras Boulevard - Phase 3, each of these projects were also included in the 2012 Safe, Clean Water Program. Additionally, the following project is considered complete under the 2012 Safe, Clean Water Program, as the KPIs had been delivered, but is still included in the CIP as it is in the close-out phase:

- Permanente Creek, San Francisco Bay to Foothill Expwy. (2012 Safe, Clean Water)

For more information about the Safe, Clean Water Program visit valleywater.org. Please see Appendix C for the implementation schedule for the Renewed Program.
The following table is a project funding schedule for flood protection capital improvements resulting from this year’s financial analysis. Detailed information for each project can be found in this document on the following pages in the order presented in this table. The chart also identifies partially funded projects and estimated unspent appropriation from FY 2021-22.

### Flood Protection Capital Improvements ($K)

<table>
<thead>
<tr>
<th>Project Number</th>
<th>PROJECT NAME</th>
<th>Through FY21</th>
<th>FY22</th>
<th>FY22 Unspent</th>
<th>FY23</th>
<th>FY24</th>
<th>FY25</th>
<th>FY26</th>
<th>FY27</th>
<th>FY28-37</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>10394001</td>
<td>Palo Alto Flood Basin Tide Gate Structure Improvements</td>
<td>4,476</td>
<td>3,061</td>
<td>2,369</td>
<td>-</td>
<td>9,172</td>
<td>8,752</td>
<td>8,867</td>
<td>5,005</td>
<td></td>
<td>39,333</td>
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<tr>
<td>10244001s</td>
<td>Permanente Creek, SF Bay to Foothill Expressway</td>
<td>112,281</td>
<td>450</td>
<td>885</td>
<td>337</td>
<td>56</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td></td>
<td>113,124</td>
</tr>
<tr>
<td>10284007s</td>
<td>San Francisco Creek, SF Bay thru Searsville Dam (E5)</td>
<td>63,122</td>
<td>12,721</td>
<td>13,143</td>
<td>-</td>
<td>26,586</td>
<td>16,189</td>
<td>388</td>
<td>405</td>
<td>121</td>
<td>119,532</td>
</tr>
</tbody>
</table>

### Fund Number

<table>
<thead>
<tr>
<th>Fund Number</th>
<th>FUND NAME</th>
<th>Through FY21</th>
<th>FY22</th>
<th>FY22 Unspent</th>
<th>FY23</th>
<th>FY24</th>
<th>FY25</th>
<th>FY26</th>
<th>FY27</th>
<th>FY28-37</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>Watershed Stream Stewardship Fund</td>
<td>405,651</td>
<td>59,280</td>
<td>12,856</td>
<td>33,084</td>
<td>37,066</td>
<td>19,965</td>
<td>51,920</td>
<td>46,939</td>
<td>177,451</td>
<td>831,356</td>
</tr>
<tr>
<td>26</td>
<td>Safe, Clean Water and Natural Flood Protection Fund</td>
<td>598,253</td>
<td>82,522</td>
<td>71,371</td>
<td>65,690</td>
<td>88,366</td>
<td>63,496</td>
<td>23,426</td>
<td>33,222</td>
<td>41,468</td>
<td>996,443</td>
</tr>
</tbody>
</table>

The following table shows funding requirements from each funding source for flood protection capital improvements.

### Fund Number

<table>
<thead>
<tr>
<th>Fund Number</th>
<th>FUND NAME</th>
<th>Through FY21</th>
<th>FY22</th>
<th>FY22 Unspent</th>
<th>FY23</th>
<th>FY24</th>
<th>FY25</th>
<th>FY26</th>
<th>FY27</th>
<th>FY28-37</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>Watershed Stream Stewardship Fund</td>
<td>405,651</td>
<td>59,280</td>
<td>12,856</td>
<td>33,084</td>
<td>37,066</td>
<td>19,965</td>
<td>51,920</td>
<td>46,939</td>
<td>177,451</td>
<td>831,356</td>
</tr>
<tr>
<td>26</td>
<td>Safe, Clean Water and Natural Flood Protection Fund</td>
<td>598,253</td>
<td>82,522</td>
<td>71,371</td>
<td>65,690</td>
<td>88,366</td>
<td>63,496</td>
<td>23,426</td>
<td>33,222</td>
<td>41,468</td>
<td>996,443</td>
</tr>
</tbody>
</table>

**FY 2021-22 Funds to be reappropriated**
PROJECT DESCRIPTION
This project plans, designs, and constructs a replacement tide gate structure for the Palo Alto Flood Basin to accomplish the following objectives:

• Replace existing tide gate structure to provide existing or better level of service for Matadero, Adobe and Barron Creeks.
• Replace existing tide gate structure to protect property and infrastructure from coastal flooding which could result if existing structure fails.
• Maximize gravity drainage opportunities to practicably address impacts to flood protection facilities due to future sea level rise and the 100-year fluvial flood in cooperation with local planning efforts.
• Limit impacts to existing habitat areas within the Palo Alto Flood Basin.

PROJECT LOCATION
**SCHEDULE & STATUS**  
November 2018 to April 2027

### EXPENDITURE SCHEDULE
(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>Actuals Thru</th>
<th>Planned Expenditures</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>10394001-Palo Alto Flood Basin Tide Gate Structure Replacement</td>
<td>3,671</td>
<td>1,498 1,666 9,460 8,320 8,360 4,649 0</td>
<td>37,624</td>
</tr>
<tr>
<td></td>
<td>with inflation</td>
<td>3,671 1,498 1,666 9,875 8,752 8,867 5,005 0</td>
<td>39,332</td>
</tr>
</tbody>
</table>

Actuals include project expenditures, and encumbrances.

### FUNDING SCHEDULE
(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>Budget Thru</th>
<th>Adj. Budget</th>
<th>Est. Unspent</th>
<th>Planned Funding Requests</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>10394001-Palo Alto Flood Basin Tide Gate Structure Replacement</td>
<td>4,476</td>
<td>3,061</td>
<td>2,369</td>
<td>0 9,172 8,752 8,867 5,005 0</td>
<td>39,332</td>
</tr>
</tbody>
</table>

Adjusted Budget includes adopted budget plus approved budget adjustments.

### FUNDING SOURCES
(in thousands $)

<table>
<thead>
<tr>
<th>Source</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCVWD Watershed&amp;Stream Stewardship Fund</td>
<td>39,332</td>
</tr>
<tr>
<td>Other Funding Sources</td>
<td>0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>39,332</strong></td>
</tr>
</tbody>
</table>

### OPERATING COST IMPACTS
Operating cost impacts are expected to be around $27,000 per year starting in FY27. Closer analysis will be determined at the completion of the construction phase.

### USEFUL LIFE: 50 Years
McKelvey Ball Park upon completion in February 2020

PROJECT DESCRIPTION
This project plans, designs, and constructs improvements along 10.6 miles of Permanente Creek, from San Francisco Bay to Foothill Expressway, Hale Creek from Foothill Expressway to its confluence with Permanente Creek, and the diversion structure between Permanente and Stevens Creeks, to accomplish the following objectives:

- Provide flood protection to 1,664 parcels, including Middlefield Road and Central Expressway.
- Reduce erosion and sedimentation, reduce maintenance costs, and improve safety and stability of the failing channel on Permanente Creek from the San Francisco Bay to Foothill Expressway.
- Provide environmental restoration and enhancement benefits, where opportunities exist.
- Provide recreation enhancements, where opportunities exist.
- Provide natural flood protection by taking a multiple-objective approach.

This project meets the commitments of the voter approved Safe, Clean Water Program (SCW). For a full description of the SCW benefits and KPIs, please visit www.valleywater.org.

PROJECT LOCATION
SCHEDULE & STATUS
July 2001 to June 2024

Construction includes multiple contract phases and three years of plant establishment monitoring.

EXPENDITURE SCHEDULE
(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>FY21</th>
<th>FY22</th>
<th>FY23</th>
<th>FY24</th>
<th>FY25</th>
<th>FY26</th>
<th>FY27</th>
<th>Future</th>
</tr>
</thead>
<tbody>
<tr>
<td>10244001-Permanente Ck, Bay to Foothill Expwy – Lower Peninsula Fund</td>
<td>17,363</td>
<td>450</td>
<td>337</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>18,150</td>
</tr>
<tr>
<td>with inflation</td>
<td>17,363</td>
<td>450</td>
<td>337</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>18,150</td>
</tr>
<tr>
<td>26244001-Permanente Ck, Bay to Foothill Expwy – Clean, Safe Creeks Fund</td>
<td>93,593</td>
<td>441</td>
<td>460</td>
<td>440</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>94,934</td>
</tr>
<tr>
<td>with inflation</td>
<td>93,593</td>
<td>441</td>
<td>460</td>
<td>480</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>94,974</td>
</tr>
<tr>
<td>TOTAL</td>
<td>110,956</td>
<td>891</td>
<td>797</td>
<td>440</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>113,084</td>
</tr>
<tr>
<td>with inflation</td>
<td>110,956</td>
<td>891</td>
<td>797</td>
<td>480</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>113,124</td>
</tr>
</tbody>
</table>

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE
(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>FY21</th>
<th>FY22</th>
<th>FY23</th>
<th>FY24</th>
<th>FY25</th>
<th>FY26</th>
<th>FY27</th>
<th>Future</th>
</tr>
</thead>
<tbody>
<tr>
<td>10244001-Permanente Ck, Bay to Foothill Expwy – Lower Peninsula Fund</td>
<td>17,363</td>
<td>450</td>
<td>0</td>
<td>337</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>18,150</td>
</tr>
<tr>
<td>26244001-Permanente Ck, Bay to Foothill Expwy – Clean, Safe Creeks Fund</td>
<td>94,918</td>
<td>0</td>
<td>885</td>
<td>0</td>
<td>56</td>
<td>0</td>
<td>0</td>
<td>94,974</td>
</tr>
<tr>
<td>TOTAL</td>
<td>112,281</td>
<td>450</td>
<td>885</td>
<td>337</td>
<td>56</td>
<td>0</td>
<td>0</td>
<td>113,124</td>
</tr>
</tbody>
</table>

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES
(in thousands $)

<table>
<thead>
<tr>
<th>Source</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCWWD Watershed Stream Stewardship Fund</td>
<td>18,150</td>
</tr>
<tr>
<td>SCWWD Clean, Safe Creeks and Natural Flood Protection Fund</td>
<td>93,951</td>
</tr>
<tr>
<td>City of Mountain View</td>
<td>1,023</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>113,124</strong></td>
</tr>
</tbody>
</table>

OPERATING COST IMPACTS
The completion of this project is anticipated to increase operating costs by approximately $360,000 per year, beginning in FY21. Increases in operations and maintenance costs include sediment removal at three flood detention sites, and bypass channel inlet and outlet operations and maintenance.

USEFUL LIFE: 30+ Years
**PROJECT DESCRIPTION**

This project provides coordination and support to the San Francisquito Joint Powers Authority, in partnership with the U.S. Army Corps of Engineers, to complete planning and design documents for an approved project alternative on San Francisquito Creek, from San Francisco Bay through Searsville Dam. This project will accomplish the following objectives:

- Provide flood protection.
- Reduce bank erosion and sedimentation-related impacts along San Francisquito Creek.
- Avoid potential adverse impacts on fish and wildlife habitats.
- Minimize impacts to the creek's environmental resources and restore the riparian corridor where feasible.

The San Francisquito Flood Protection project will provide 100-year flood protection from San Francisco Bay to Highway 101 and replace two bridges between Highway 101 and Middlefield Road.

This project is accounted for in the following: (10284007 & 10284008 are Completed)

- 26284001 – SF Bay through Searsville Dam
- 26284002 – Construction - San Francisco Bay to Middlefield Rd.

This project meets the commitments of the voter approved Safe, Clean Water Program (SCW), Project E5. For a full description of the SCW benefits and KPIs, please visit www.valleywater.org.

---

**PROJECT LOCATION**

[Map of San Francisquito Creek and surrounding areas showing project location and 1 percent floodplain.]
### EXPENDITURE SCHEDULE
(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>Actuals Thru</th>
<th>Planned Expenditures</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>FY21</td>
<td>FY22</td>
<td></td>
</tr>
<tr>
<td>10284007-San Francisquito Ck, Bay-Searsville Dam</td>
<td>4,064</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>with inflation</td>
<td>4,064</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>10284008-San Francisquito Ck, Early Implementation</td>
<td>1,614</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>with inflation</td>
<td>1,614</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>26284001-San Francisquito Ck, Bay-Searsville Dam</td>
<td>6,605</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>with inflation</td>
<td>6,605</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>26284002-San Francisquito Ck - Construction - SF Bay to Middlefield Rd.</td>
<td>4,927</td>
<td>1,390</td>
<td>0</td>
</tr>
<tr>
<td>with inflation</td>
<td>4,927</td>
<td>1,390</td>
<td>0</td>
</tr>
<tr>
<td>TOTAL</td>
<td>61,310</td>
<td>1,390</td>
<td>0</td>
</tr>
<tr>
<td>with inflation</td>
<td>61,310</td>
<td>1,390</td>
<td>0</td>
</tr>
</tbody>
</table>

Actuals include project expenditures, and encumbrances.

### FUNDING SCHEDULE
(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>Budget Thru</th>
<th>Adj. Budget</th>
<th>Est. Unspent</th>
<th>Planned Funding Requests</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>FY21</td>
<td>FY22</td>
<td>FY23</td>
<td>FY24</td>
<td>FY25</td>
</tr>
<tr>
<td>10284007-San Francisquito Ck, Bay-Searsville Dam</td>
<td>4,064</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>10284008-San Francisquito Ck, Early Implementation</td>
<td>1,614</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>26284001-San Francisquito Ck, Bay-Searsville Dam</td>
<td>6,782</td>
<td>-100</td>
<td>77</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>26284002-San Francisquito Ck - Construction - SF Bay to Middlefield Rd.</td>
<td>50,662</td>
<td>12,821</td>
<td>13,066</td>
<td>0</td>
<td>26,586</td>
</tr>
<tr>
<td>TOTAL</td>
<td>63,122</td>
<td>12,721</td>
<td>13,143</td>
<td>0</td>
<td>26,586</td>
</tr>
</tbody>
</table>

Adjusted Budget includes adopted budget plus approved budget adjustments.

### FUNDING SOURCES
(in thousands $)

- SCVWD Watershed Stream Stewardship Fund: 5,678
- SCVWD Safe, Clean Water and Natural Flood Protection Fund: 75,840
- JPA and Member Agencies (D/S Funding): 5,558
- Unsecured Grants and Partnerships (U/S Funding): 23,514
- Unsecured City of Palo Alto/Caltrans Grant (Newell Road Bridge): 8,941
- **Total**: 119,531

### OPERATING COST IMPACTS
These projects will have an estimated annual operating cost impact of approximately $250,000 beginning in FY24.

### USEFUL LIFE:
30+ Years
West Valley Watershed

Flood Protection CIP Projects

- Major Capital Improvements Identified
- Major Capital Improvements Identified
- Major Capital Improvements Completed

San Francisco Bay

San Tomas Creek Bridge Replacement
Quito Road Bridge Replacement

Calabazas Creek
Sunnyvale East Channel
Sunnyvale West Channel
San Tomas Aquino Creek
Saratoga Creek
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PROJECT DESCRIPTION

In the early stages of the project design process, Valley Water project team decided to join both improvement projects into a single flood protection project with a single Environmental Impact Report to reduce construction costs and minimize construction coordination issues between the two channels.

The West Channel extends approximately three miles and upgrades existing channel capacity to provide 1% (or 100-year) riverine flood protection for 47 acres of highly valuable industrial lands. The East Channel extends approximately 6.4 miles and upgrades existing channel capacity to provide 1% riverine flood protection for 1,618 parcels. Both projects decrease channel turbidity and sediment by repairing erosion sites, thereby improving water quality.

- Provides 1% flood capacity for approximately 6.5 miles of channel along Sunnyvale East and approximately three miles of channel along Sunnyvale West within the City of Sunnyvale, protecting 1,618 properties (Sunnyvale East) and 47 acres (11 properties) of industrial land (Sunnyvale West).
- Improves channel water quality by providing erosion control measures to decrease sediment and turbidity.
- Identifies opportunities to integrate recreation improvements with the City of Sunnyvale and others as appropriate.

The Sunnyvale East and Sunnyvale West Channels were originally identified as separate projects. In order to improve efficiency by combining efforts, the planning, design and construction phases for both projects will be performed as a single effort.

This project meets the commitments of the voter approved Safe, Clean Water Program (SCW) Project E2. For a full description of the SCW benefits and KPIs, please visit www.valleywater.org.

PROJECT LOCATION
SCHEDULE & STATUS
March 2006 to June 2027

EXPENDITURE SCHEDULE
(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>Actuals Thru</th>
<th>Planned Expenditures</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>FY21</td>
<td>FY22</td>
<td>FY23</td>
</tr>
<tr>
<td>26074002-Sunnyvale East and West Channels Flood Protection Project (E2)</td>
<td>20,165</td>
<td>3,272</td>
<td>14,965</td>
</tr>
<tr>
<td>with inflation</td>
<td>20,165</td>
<td>3,272</td>
<td>14,965</td>
</tr>
</tbody>
</table>

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE
(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>Budget Thru</th>
<th>Adj. Budget</th>
<th>Est. Unspent</th>
<th>Planned Funding Requests</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>FY21</td>
<td>FY22</td>
<td>FY23</td>
<td>FY24</td>
<td>FY25</td>
</tr>
<tr>
<td>26074002-Sunnyvale East and West Channels Flood Protection Project (E2)</td>
<td>37,471</td>
<td>0</td>
<td>14,034</td>
<td>931</td>
<td>13,583</td>
</tr>
</tbody>
</table>

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES
(in thousands $)

| SCWWD Clean, Safe Creeks and Natural Flood Protection Fund | 70,383 |
| Other Funding Source | 0 |
| Total | 70,383 |

OPERATING COST IMPACTS
The completion of this project is anticipated to increase operating costs by approximately $210,000 per year based on Operations & Maintenance forecasting, beginning in FY27. Increases in operations and maintenance costs include graffiti removal, vegetation management, rodent abatement, good neighbor maintenance, and encampment cleanup in areas where the City of Sunnyvale’s joint use agreements are not applicable.

USEFUL LIFE: 30+ Years
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**PROJECT DESCRIPTION**

This project plans, designs, and constructs improvements along the Guadalupe River from Tasman Drive to Interstate 880 to restore the 100-year flood conveyance capacity. The project will accomplish the following objective:

- Restore designed level of service along a portion of the Guadalupe River to provide 1% flood protection.

**PROJECT LOCATION**
**SCHEDULE & STATUS**
March 2019 to April 2028

**EXPENDITURE SCHEDULE**
(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>FY21</th>
<th>FY22</th>
<th>FY23</th>
<th>FY24</th>
<th>FY25</th>
<th>FY26</th>
<th>FY27</th>
<th>Future</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>30154019-Guadalupe River Tasman Dr - I-880</td>
<td>2,476</td>
<td>1,506</td>
<td>1,568</td>
<td>1,500</td>
<td>1,077</td>
<td>27,111</td>
<td>26,283</td>
<td>26,283</td>
<td>87,804</td>
</tr>
<tr>
<td>with inflation</td>
<td>2,476</td>
<td>1,506</td>
<td>1,568</td>
<td>1,638</td>
<td>1,229</td>
<td>30,773</td>
<td>29,934</td>
<td>30,046</td>
<td>99,170</td>
</tr>
</tbody>
</table>

Actuals include project expenditures, and encumbrances.

**FUNDING SCHEDULE**
(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>Budget Thru</th>
<th>Adj. Budget</th>
<th>Est. Unspent</th>
<th>Planned Funding Requests</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>30154019-Guadalupe River Tasman Dr - I-880</td>
<td>2,918</td>
<td>2,695</td>
<td>1,631</td>
<td>0</td>
<td>1,575</td>
</tr>
</tbody>
</table>

Adjusted Budget includes adopted budget plus approved budget adjustments.

**FUNDING SOURCES**
(in thousands $)

- SCVWD Watershed Stream Stewardship Fund | 99,170
- Other Funding Sources | 0

Total 99,170

**OPERATING COST IMPACTS**
Operating cost impacts will be determined during the design phase.

**USEFUL LIFE:** 30 Years
Flood Protection – Guadalupe Watershed

**Project Description**

This project partners with the U.S. Army Corps of Engineers (USACE) to plan, design, and construct improvements along approximately 6 miles of the Guadalupe River, from Interstate 280 to Blossom Hill Road, to accomplish the following objectives:

- Provide 1% flood protection to nearly 7,000 parcels along the Guadalupe River, from I-280 to Blossom Hill Road, including portions of Ross Creek and Canoas Creek.
- Provide long-term net gains of 15 acres in riparian forest acreage, quality, and continuity of wildlife habitat, and conditions favoring Chinook salmon and steelhead trout.
- Provide access to an additional 19 miles of suitable upstream spawning and rearing habitat, which would result in significant long-term beneficial impacts on fisheries resources.
- Coordinate with the City of San Jose and the community to establish a continuous maintenance road suitable for trail development between Interstate 280 and Los Alamitos Creek.
- Improve water quality by reducing bank erosion and sedimentation-related impacts along the river and tributaries.
- Address and resolve permit coordination activities and watershed integration issues through the Guadalupe Watershed Integration Working Group.

This project is accounted for in the following:

- 26154001 Fish Passage Modification (Completed)
- 26154002 I-280 to Southern Pacific Railroad Bridge (Reach 6) Flood Protection Project was completed in 2012.
- 26154003 Southern Pacific Railroad Bridge to Blossom Hill Road (Reaches 7-12) A General Re-Evaluation Report has been conducted with the USACE and it is expected to be completed by December, 2023.

This project meets the commitments of the voter approved Safe, Clean Water Program (SCW), Project E8. For a full description of the SCW benefits and KPIs, please visit www.valleywater.org.

**Project Location**

[Map showing project location and relevant landmarks]
SCHEDULE & STATUS
September 1985 to June 2031
Planning phase is complete. Design and construction of eight individual reaches are being done sequentially.

EXPENDITURE SCHEDULE
(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>Actuals Thru</th>
<th>Planned Expenditures</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>FY21 FY22 FY23 FY24 FY25 FY26 FY27 Future</td>
<td>FY22 FY23 FY24 FY25 FY26 FY27 Future</td>
<td>FY22 FY23 FY24 FY25 FY26 FY27 Future</td>
</tr>
<tr>
<td>26154001-Guadalupe Rv—Upr, Fish Passage Mods</td>
<td>2,651</td>
<td>0 0 0 0 0 0 0</td>
<td>2,651</td>
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<tr>
<td>with inflation</td>
<td>2,651</td>
<td>0 0 0 0 0 0 0</td>
<td>2,651</td>
</tr>
<tr>
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<td>1,688 31 30 30 30 30 2,215</td>
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<tr>
<td>with inflation</td>
<td>33,578</td>
<td>1,688 31 33 34 36 37 2,863</td>
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<tr>
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<tr>
<td>with inflation</td>
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<tr>
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<td>with inflation</td>
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<tr>
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<td>with inflation</td>
<td>112,493</td>
<td>2,576 919 360 148 10,271 26,953 23,299 177,020</td>
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</tr>
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</table>

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE
(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>Budget Thru</th>
<th>Adj. Budget</th>
<th>Est. Unspent</th>
<th>Planned Funding Requests</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>FY21 FY22 FY23 FY24 FY25 FY26 FY27 Future</td>
<td>FY22 FY23 FY24 FY25 FY26 FY27 Future</td>
<td>FY22 FY23 FY24 FY25 FY26 FY27 Future</td>
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<td>20,436 128,183</td>
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FUNDING SOURCES
(in thousands $)

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<thead>
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<td>SCVWD Safe, Clean Water and Natural Flood</td>
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<td>28,864</td>
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<tr>
<td>City of San Jose</td>
<td>4,591</td>
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<td>Total</td>
<td>177,020</td>
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OPERATING COST IMPACTS
The completion of this project is anticipated to increase operating costs by approximately $360,000 per year, beginning in FY21, for mitigation and monitoring labor and equipment, implementation of adaptive management measures, and operations and maintenance in accordance with the USACE Operations and Maintenance Manual.

USEFUL LIFE: 30+ Years
Coyote Watershed

Flood Protection CIP Projects
- Major Capital Improvements Identified
- Major Capital Improvements Completed

Calaveras Reservoir
Anderson Reservoir
Upper Penitencia Creek
Lower Penitencia Creek
Coyote Creek
Lower Silver Creek
Berryessa Creek
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**PROJECT DESCRIPTION**

This project partners with the U.S. Army Corps of Engineers (USACE) to plan, design, and construct improvements along approximately two miles of Berryessa Creek, from Calaveras Boulevard to Interstate 680, to accomplish the following objectives:

- Provide 1% flood protection to more than 1,100 homes, businesses, and public buildings.
- Reduce sedimentation and maintenance requirements.
- Mitigate for project impacts.
- Improve stream habitat values.
- Coordinate with the cities of San Jose and Milpitas, and the community to establish a continuous maintenance road suitable for trail development along the Berryessa Creek project.
- Obtain a Letter of Map Revision from the Federal Emergency Management Agency.
- Incorporate Valley Water's Clean, Safe Creeks and Natural Flood Protection Program Objectives.

This project is accounted for in the following:

- 26174041 – Coordination with USACE
- 26174042 – Reimbursable work – Lands, Easements, Rights of Way, Relocations and Disposal

This project meets the commitments of the voter approved Safe, Clean Water Program (SCW). For a full description of the SCW benefits and KPIs, please visit www.valleywater.org.

**PROJECT LOCATION**

Berryessa Creek near flood stage at Piedmont Road in San Jose

---

**Berryessa Creek, Calaveras Boulevard to Interstate 680**

**Program**
Flood Protection – Coyote Watershed

**Project No.**
26174041s

**Contact**
Bhavani Yerrapotu
byerrapotu@valleywater.org
**SCHEDULE & STATUS**

January 2000 to June 2024

<table>
<thead>
<tr>
<th>Phase</th>
<th>Cost (in thousands $)</th>
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<tbody>
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<tr>
<td>Closeout</td>
<td>253</td>
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<table>
<thead>
<tr>
<th>Project</th>
<th>Actuals Thru</th>
<th>Planned Expenditures</th>
<th>Total</th>
</tr>
</thead>
<tbody>
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<td>FY21</td>
<td>FY22</td>
<td>FY23</td>
<td>FY24</td>
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<tr>
<td>26174041-Berryessa Creek, USACE Coordination</td>
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<td>398</td>
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<td>26174042-Berryessa Creek, LERRDs</td>
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<tr>
<td>with inflation</td>
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<td>0</td>
<td>0</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
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<td><strong>531</strong></td>
<td><strong>398</strong></td>
</tr>
<tr>
<td>with inflation</td>
<td>41,059</td>
<td>531</td>
<td>398</td>
</tr>
</tbody>
</table>

Actuals include project expenditures, and encumbrances.

**EXPENDITURE SCHEDULE**

(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>Budget Thru</th>
<th>Adjusted Budget</th>
<th>Est. Unspent</th>
<th>Planned Funding Requests</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>FY21</td>
<td>FY22</td>
<td>FY23</td>
<td>FY24</td>
<td>FY25</td>
<td>FY26</td>
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<td>0</td>
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<td>0</td>
</tr>
<tr>
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<td><strong>53,260</strong></td>
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<td><strong>11,670</strong></td>
<td><strong>0</strong></td>
<td><strong>769</strong></td>
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</tbody>
</table>

Adjusted Budget includes adopted budget plus approved budget adjustments. Funding exceeds planned expenditures by approximately $1,321,000. Excess funding will be returned to reserves upon completion of the project.

**FUNDING SOURCES**

(in thousands $)

- SCVWD Clean, Safe Creeks and Natural Flood Protection Fund: 18,429
- State of California: 25,600
- Department of Water Resources (Prop 1E): 10,000

**Total: $54,029**

**OPERATING COST IMPACTS**

The completion of this project is anticipated to increase operating costs by approximately $135,000 per year, beginning in FY20, to maintain approximately two miles of new levees and flood walls, and for activities such as vegetation control and graffiti removal.

**USEFUL LIFE:** 30+ Years
Berryessa Creek upstream of the confluence with Lower Penitencia Creek

**PROJECT DESCRIPTION**

This project plans, designs, and constructs improvements along approximately three miles of Berryessa Creek and its tributaries, from the confluence with Lower Penitencia Creek to Calaveras Boulevard (Phase 1 and 2) and both Calera and Tularcitos Creeks (Phase 3), to accomplish the following objectives:

- Provide 1% flood protection to 1,823 homes, businesses, and public buildings in the surrounding area.
- Improve the structural integrity of the levees.
- Improve maintenance access and safety for Valley Water staff.
- Identify opportunities to integrate recreation inputs consistent with the City of Milpitas’ Trail Master Plan.
- Obtain a letter of map revision from the Federal Emergency Management Agency.

**PROJECT LOCATION**
**SCHEDULE & STATUS**

March 2001 to June 2030

Planning phase is complete. Construction includes three phases and three years of plant establishment monitoring.

**EXPENDITURE SCHEDULE**

(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>Actuals Thru</th>
<th>Planned Expenditures</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>FY21</td>
<td>FY22</td>
<td>FY23</td>
</tr>
<tr>
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<td>110</td>
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<tr>
<td>with inflation</td>
<td>46,825</td>
<td>105</td>
<td>110</td>
</tr>
<tr>
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<td>22,870</td>
<td>1,912</td>
</tr>
<tr>
<td>with inflation</td>
<td>62,710</td>
<td>22,870</td>
<td>1,912</td>
</tr>
<tr>
<td>40C40397-Berryessa Creek, Lower Penitencia Creek to Calaveras Boulevard Phase 3</td>
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<td>0</td>
<td>0</td>
</tr>
<tr>
<td>with inflation</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>26C40420-Phase 3 Planning/Design (only)</td>
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</tr>
<tr>
<td>with inflation</td>
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<td>0</td>
<td>0</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>109,535</td>
<td>22,975</td>
<td>2,022</td>
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<tr>
<td>with inflation</td>
<td>109,535</td>
<td>22,975</td>
<td>2,022</td>
</tr>
</tbody>
</table>

Actuals include project expenditures, and encumbrances.

**FUNDING SCHEDULE**

(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>Budget Thru</th>
<th>Adjusted Budget</th>
<th>Est. Unspent</th>
<th>Planned Funding Requests</th>
<th>Total</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>FY21</td>
<td>FY22</td>
<td>FY23</td>
<td>FY24</td>
<td>FY25</td>
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<td><strong>TOTAL</strong></td>
<td>122,982</td>
<td>12,789</td>
<td>3,261</td>
<td>1,912</td>
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Adjusted Budget includes adopted budget plus approved budget adjustments. Allocated funding exceeds planned expenditures by approximately $3,151,000. Excess funds will be returned to Fund Reserves at the close of the project.

**FUNDING SOURCES**

(in thousands $)

<table>
<thead>
<tr>
<th>Source</th>
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<tr>
<td>Safe, Clean Water Fund Measure S</td>
<td>8,906</td>
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<td>Department of Water Resources (Prop 1E)</td>
<td>12,464</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>212,581</strong></td>
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</tbody>
</table>

**OPERATING COST IMPACTS**

The operating cost impacts of these projects are anticipated to average approximately $210,000 annually starting in FY20. Phase II completion is expected to cost $929,000 in FY21; in FY22, $956,000.

**USEFUL LIFE:** 30+ Years
### Project Description

This project plans, designs, and constructs improvements along approximately nine miles of Coyote Creek, from Montague Expressway to Tully Road, to accomplish the following objectives:

- To reduce the risk of flooding to homes, schools, businesses, and highways from approximately a 20 year flood event (February 2017 event), from Montague Expressway to Tully Road.
- Improve water quality, enhance stream habitat, and provide recreational opportunities.
- Incorporate aesthetic elements of the Coyote Creek park chain.
- Minimize long-term maintenance needs.

This project meets the commitments of the voter approved Safe, Clean Water Program (SCW), Project E1. For a full description of the SCW benefits and KPIs, please visit www.valleywater.org.

### Project Location

[Map of Coyote Creek area showing project location]

February 2017 flood event, on Rock Springs Drive looking northeast towards Rocksprings Park
Operating Cost Impacts
Currently Valley Water has limited and sporadic property rights within the project limits along the creek, and ongoing maintenance costs are relatively small. Project implementation may include acquisition of continuous right of way for construction and future operations and maintenance. This project is expected to increase operating costs by approximately $1,000,000 per year starting in FY27.

Useful Life: 30+ Years
Flooding from Lower Silver Creek in February 1969 at the future site of Lake Cunningham Regional Park

**PROJECT DESCRIPTION**

This project plans, designs, and constructs final improvements at Lake Cunningham Regional Park (Park) to ensure the site operates as a flood detention facility in accordance with the 1978 agreement with the City of San Jose (City) and to ensure the Lower Silver Creek Project improvements downstream of Cunningham Avenue function as designed. This project will accomplish the following objectives:

- Validate that the flood detention facility can attenuate the volume of water associated with 2,249 cfs below the Park land elevation as stipulated in the 1978 Joint Use Agreement between the City and Valley Water.
- Obtain Federal Emergency Management Agency certification of the flood detention facility and Lower Silver Creek improvements north of the Park to revise the applicable flood insurance rate maps in the Lower Silver Creek 1% floodplain near the north of the Park.
- Update the 1978 Joint Use Agreement between the City and Valley Water to meet the flood detention facility's validated condition.

**PROJECT LOCATION**
SCHEDULE & STATUS
August 1999 to June 2022

<table>
<thead>
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<th>Phase</th>
<th>Cost</th>
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EXPENDITURE SCHEDULE
(in thousands $)

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<thead>
<tr>
<th>Project</th>
<th>Actuals Thru FY21</th>
<th>Planned Expenditures FY22</th>
<th>Future</th>
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</table>

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE
(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>Budget Thru FY21</th>
<th>Adj. Budget FY22</th>
<th>Est. Unspent FY23</th>
<th>Planned Funding Requests FY24</th>
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<td>11,810</td>
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<tr>
<td></td>
<td>11,810</td>
<td>30</td>
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<td>0</td>
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</table>

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES
(in thousands $)

<table>
<thead>
<tr>
<th>Source</th>
<th>Amount</th>
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<tbody>
<tr>
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<td>California Department of Water Resources</td>
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<tr>
<td>Natural Resource Conservation Service</td>
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<td><strong>Total</strong></td>
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OPERATING COST IMPACTS
The project is within Valley Water jurisdiction and it is designed to minimize maintenance activities such as sediment removal. Operating costs are expected to be approximately $60,000 per year starting in FY20.

USEFUL LIFE: 30+ Years
PROJECT DESCRIPTION
This project plans, designs, and constructs improvements along approximately one mile of Lower Penitencia Creek from the downstream confluence with Coyote Creek to the downstream face of San Andreas Drive, to accomplish the following objectives:

- Convey the Lower Berryessa Creek 1% design flow.
- Meet required water surface elevations at Coyote Creek and Berryessa Creek confluences.
- Minimize the need for seasonal removal of sediment and non-woody vegetation.
- Maintain existing Federal Emergency Management Agency (FEMA) accreditation along the east levee located between California Circle and Berryessa Creek.
- Enable FEMA certification of the improvements.

PROJECT LOCATION

[Map showing project location and floodplain]
### SCHEDULE & STATUS
October 2010 to December 2025

<table>
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<tr>
<th>Phase</th>
<th>Cost</th>
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<th>FY 23</th>
<th>FY 24</th>
<th>FY 25</th>
<th>FY 26</th>
<th>FY 27</th>
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<tr>
<td>Design</td>
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<tr>
<td>Construct</td>
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<tr>
<td>Closeout</td>
<td>20</td>
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</tr>
<tr>
<td></td>
<td>35,093</td>
<td></td>
<td></td>
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<td></td>
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<td></td>
<td></td>
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</tr>
</tbody>
</table>

### EXPENDITURE SCHEDULE
(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>Actuals Thru</th>
<th>Planned Expenditures</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>40334005-Lower Penitencia Creek Improvements, Berryessa to Coyote Creeks</td>
<td>17,233</td>
<td>FY 21 9,471 FY 22 8,164 FY 23 75 FY 24 75 FY 25 75 FY 26 0 FY 27 0 FY 28 0 FY 29 0 FY 30 35,093</td>
<td>35,093</td>
</tr>
<tr>
<td>with inflation</td>
<td>17,233</td>
<td>FY 21 9,471 FY 22 8,164 FY 23 82 FY 24 86 FY 25 89 FY 26 0 FY 27 0 FY 28 0 FY 29 0 FY 30 35,125</td>
<td>35,125</td>
</tr>
</tbody>
</table>

Actuals include project expenditures, and encumbrances.

### FUNDING SCHEDULE
(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>Budget Thru</th>
<th>Adj. Budget</th>
<th>Est. Unspent</th>
<th>Planned Funding Requests</th>
<th>Total</th>
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</thead>
<tbody>
<tr>
<td>40334005-Lower Penitencia Creek Improvements, Berryessa to Coyote Creeks</td>
<td>19,032</td>
<td>7,686</td>
<td>14</td>
<td>FY 25 82 FY 26 86 FY 27 89 FY 28 0 FY 29 0 FY 30 0 FY 31 35,125</td>
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</table>

Adjusted Budget includes adopted budget plus approved budget adjustments.

### FUNDING SOURCES
(in thousands $)

<table>
<thead>
<tr>
<th>Source</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCVWD Watershed Stream Stewardship Fund</td>
<td>30,125</td>
</tr>
<tr>
<td>Department of Water Resources (Prop 1E)</td>
<td>5,000</td>
</tr>
</tbody>
</table>

**Total** 35,125

### OPERATING COST IMPACTS
This project is expected to have an operating cost of approximately $215,000 per year, beginning in FY23.

### USEFUL LIFE: 50 Years
**PROJECT DESCRIPTION**

This project is part of a flood control project that partners with the Natural Resource Conservation Service to plan, design and construct improvements along approximately 2.3 miles of Lower Silver Creek, from Interstate 680 to Lake Cunningham. This project includes elements that are eligible for reimbursement from the state and federal governments to accomplish the following objectives:

- Increase flood protection to 3,800 parcels in the surrounding area.
- Allow for on-site mitigation of project impacts, and in some cases enhancement of existing habitat values by increased wetlands and riparian habitat.
- Improve vehicle and pedestrian bridges crossing Lower Silver Creek.
- Develop with the City of San Jose the footprint for a future trail project between Capitol Avenue-Frontage Road and Jackson Avenue that ensures pedestrians and bicyclists may travel beneath the Dobern Pedestrian Bridge.

This project is accounted for in the following:
- 40264007 Lower Silver Creek, I-680 to N. Babb Creek (Reach 4 Planning) - Completed
- 40264008 Lower Silver Creek, I-680 to Cunningham Rd. (Reaches 4-6)
- 40264012 Lower Silver Creek (Reaches 4-6) Reimbursable

**PROJECT LOCATION**

![Project Location Map](image_url)
SCHEDULE & STATUS
August 2008 to June 2023
Planning and Design phases are complete

EXPENDITURE SCHEDULE
(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>Actuals Thru FY21</th>
<th>Planned Expenditures FY22</th>
<th>FY23</th>
<th>FY24</th>
<th>FY25</th>
<th>FY26</th>
<th>FY27</th>
<th>Future</th>
<th>Total</th>
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</thead>
<tbody>
<tr>
<td>40264007-Lower Silver Creek, Reach 4 Planning</td>
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<td>0</td>
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<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>2,371</td>
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<tr>
<td>with inflation</td>
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<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>2,371</td>
</tr>
<tr>
<td>40264008-Lower Silver Ck, Nonreimbursable (R4-6)</td>
<td>95,127</td>
<td>2,072</td>
<td>52</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>97,251</td>
</tr>
<tr>
<td>with inflation</td>
<td>95,127</td>
<td>2,072</td>
<td>52</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>97,251</td>
</tr>
<tr>
<td>40264012-Lower Silver Creek, LERRDs (R4-6)</td>
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<td>0</td>
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<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1,928</td>
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<tr>
<td>with inflation</td>
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<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1,928</td>
</tr>
<tr>
<td>TOTAL</td>
<td>99,426</td>
<td>2,072</td>
<td>52</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>101,550</td>
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<tr>
<td>with inflation</td>
<td>99,426</td>
<td>2,072</td>
<td>52</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>101,550</td>
</tr>
</tbody>
</table>

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE
(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>Budget Thru FY21</th>
<th>Adj. Budget FY22</th>
<th>Est. Unspent FY23</th>
<th>Planned Funding Requests FY24</th>
<th>FY25</th>
<th>FY26</th>
<th>FY27</th>
<th>Future</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>40264007-Lower Silver Creek, Reach 4 Planning</td>
<td>2,371</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>2,371</td>
</tr>
<tr>
<td>40264008-Lower Silver Ck, Nonreimbursable (R4-6)</td>
<td>97,173</td>
<td>26</td>
<td>0</td>
<td>52</td>
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<td>97,251</td>
</tr>
<tr>
<td>40264012-Lower Silver Creek, LERRDs (R4-6)</td>
<td>1,928</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1,928</td>
</tr>
<tr>
<td>TOTAL</td>
<td>101,472</td>
<td>26</td>
<td>0</td>
<td>52</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>101,550</td>
</tr>
</tbody>
</table>

Adjusted Budget includes adopted budget plus approved budget adjustments. Funding exceeds planned expenditures by approximately $984,000. Excess funding will be returned to reserves upon completion of the project.

FUNDING SOURCES
(in thousands $)

SCVWD Watershed Stream Stewardship Fund | 48,495
State of California | 8,379
Natural Resource Conservation Service - ARRA | 20,676
California Department of Water Resources | 24,000
Total | 101,550

OPERATING COST IMPACTS
The operating cost impacts are estimated to be $230,000 per year beginning in FY20. Projected operating and maintenance costs include sediment removal, vegetation management, bank protection, graffiti removal, and encampment cleanup.

USEFUL LIFE: 50+ Years
PROJECT DESCRIPTION

Initially, this project partnered with the U.S. Army Corps of Engineers (USACE) to plan, design, and construct improvements along approximately 4.2 miles of Upper Penitencia Creek, from the confluence with Coyote Creek to Dorel Drive, to accomplish the objectives listed below. In 2016, the USACE's decided that the multi-objective project which is appropriate for this creek could not be funded under the existing single-purpose authorization. The Project was not included in the USACE's 2017 workplan.

Objectives:
- Provide 1% flood protection to more than 5,000 homes, businesses, and public buildings.
- Improve stream habitat values and fisheries potential.
- Reduce sedimentation and maintenance requirements.
- Identify opportunities to integrate recreation improvements consistent with the City of San Jose’s Master Plans, the County's Penitencia Creek Master Plan, and Santa Clara Countywide Trails Master Plan.
- Incorporate Valley Water’s Safe, Clean Water and Natural Flood Protection Program objectives.

This project is accounted for in the following:
- 40324003 Initial stages of Planning Phase through FY18
- 26324001 Safe, Clean Water Program

This project meets the commitments of the voter approved Safe, Clean Water Program (SCW), Project E4. For a full description of the SCW benefits and KPIs, please visit www.valleywater.org.

PROJECT LOCATION
**SCHEDULE & STATUS**  
July 2000 to June 2028

<table>
<thead>
<tr>
<th>Phase</th>
<th>Cost</th>
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<td>Permits</td>
<td>619</td>
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<tr>
<td>Design</td>
<td>7,637</td>
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<tr>
<td>Construct</td>
<td>14,028</td>
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<tr>
<td>Closeout</td>
<td>154</td>
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</table>

**EXPENDITURE SCHEDULE**  
(in thousands $)

<table>
<thead>
<tr>
<th>Project Description</th>
<th>FY21</th>
<th>FY22</th>
<th>FY23</th>
<th>FY24</th>
<th>FY25</th>
<th>FY26</th>
<th>FY27</th>
<th>Future</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>40324003-Upper Penitencia Ck, Coyote Ck to Dorel Dr, USACE</td>
<td>9,467</td>
<td>0</td>
<td>0</td>
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<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>9,467</td>
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<tr>
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<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>40324005-Upper Penitencia Ck, Coyote Ck to Dorel Dr, LERRDs</td>
<td>2,309</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2,309</td>
</tr>
<tr>
<td>with inflation</td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>26324001-Upper Penitencia Ck, Coyote Ck to Dorel Dr</td>
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<td>2,629</td>
<td>209</td>
<td>1,811</td>
<td>1,341</td>
<td>3,779</td>
<td>3,458</td>
<td>3,766</td>
<td>19,038</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL</td>
<td>13,821</td>
<td>2,629</td>
<td>209</td>
<td>1,811</td>
<td>1,341</td>
<td>3,779</td>
<td>3,458</td>
<td>3,766</td>
<td>30,814</td>
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- Actuals include project expenditures, and encumbrances.

**FUNDING SCHEDULE**  
(in thousands $)

<table>
<thead>
<tr>
<th>Project Description</th>
<th>Budget Thru</th>
<th>FY21</th>
<th>Adj. Budget</th>
<th>Est. Unspent</th>
<th>Planned Funding Requests</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>40324003-Upper Penitencia Ck, Coyote Ck to Dorel Dr, USACE</td>
<td>9,467</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>9,467</td>
</tr>
<tr>
<td>40324005-Upper Penitencia Ck, Coyote Ck to Dorel Dr, LERRDs</td>
<td>2,309</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>2,309</td>
</tr>
<tr>
<td>26324001-Upper Penitencia Ck, Coyote Ck to Dorel Dr</td>
<td>8,617</td>
<td>2,636</td>
<td>6,579</td>
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<tr>
<td>TOTAL</td>
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<td>2,636</td>
<td>6,579</td>
<td>0</td>
<td>1,460</td>
<td>32,823</td>
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</table>

- Adjusted Budget includes adopted budget plus approved budget adjustments.

**FUNDING SOURCES**  
(in thousands $)

<table>
<thead>
<tr>
<th>Fund Description</th>
<th>Amount</th>
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<tbody>
<tr>
<td>SCVWD Watershed Stream Stewardship Fund</td>
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<tr>
<td>SCVWD Safe, Clean Water Fund</td>
<td>21,047</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>32,823</td>
</tr>
</tbody>
</table>

- **OPERATING COST IMPACTS**  
Operating costs are expected to average $790,000 per year beginning in FY25.

- **USEFUL LIFE:** Not Available
Flood Protection CIP Projects

- **Green** Major Capital Improvements Identified
- **Purple** Major Capital Improvements Completed

**Uvas/Llagas Watersheds**

- Anderson Reservoir
- Calero Reservoir
- Chesbro Reservoir
- Uvas Reservoir
- Coyote Reservoir
- San Felipe Lake
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**PROJECT DESCRIPTION**

This project plans, designs, and constructs improvements on 7.15 miles of Lower Llagas Creek, from Buena Vista Avenue to Pajaro River, to accomplish the following objectives:

- Evaluate the current flood risk in the area surrounding the project versus the design level flood risk.
- Develop options to provide flood protection for Lower Llagas Creek Reaches 2 and 3 in accordance with Federal Emergency Management Agency criteria where applicable.
- Identify feasible opportunities for environmental restoration and corridor preservation.
- Coordinate planning, design, and construction efforts with the South County Regional Wastewater Authority.

**PROJECT LOCATION**
**EXPENDITURE SCHEDULE**  
(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>FY21</th>
<th>FY22</th>
<th>FY23</th>
<th>FY24</th>
<th>FY25</th>
<th>FY26</th>
<th>FY27</th>
<th>Future</th>
<th>Total</th>
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<tr>
<td>50284010-Llagas Creek–Lower, Capacity Restoration, Buena Vista Avenue to Pajaro River</td>
<td>3,323</td>
<td>991</td>
<td>1,306</td>
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<td>3,000</td>
<td>300</td>
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Actuals include project expenditures, and encumbrances.

**FUNDING SCHEDULE**  
(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>Budget Thru</th>
<th>Adj. Budget</th>
<th>Est. Unspent</th>
<th>Planned Funding Requests</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>50284010-Llagas Creek–Lower, Capacity Restoration, Buena Vista Avenue to Pajaro River</td>
<td>6,947</td>
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**FUNDING SOURCES**  
(in thousands $)

<table>
<thead>
<tr>
<th>Source</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCVWD Watershed Stream Stewardship Fund</td>
<td>12,596</td>
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<tr>
<td>State of California</td>
<td>1,120</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>13,716</strong></td>
</tr>
</tbody>
</table>

**OPERATING COST IMPACTS**  
Operating cost impacts will be determined at the completion of the design phase.

**USEFUL LIFE:**  
30+ Years
**PROJECT DESCRIPTION**

This project continues a Clean, Safe Creeks project in partnership with the U.S. Army Corps of Engineers (USACE) and the state to plan, design, and construct improvements along 13.9 miles of channel. The project extends from Buena Vista Avenue to Llagas Road, including West Little Llagas Creek in downtown Morgan Hill. The federally authorized preferred project protects the urban area of Morgan Hill from a 1% (or 100-year) flood, and reduces the frequency of flooding in surrounding areas. Construction includes channel modifications and replacement of road crossings. Valley Water continues to work with Congress to aggressively pursue federal funds to bring this project to full fruition. In 2012, project limits were extended 2,700 feet upstream to Llagas Road to address public concerns.

This project is accounted for in the following:
- 26174051 - Reaches 4-8 & 14 - Reimbursable - Lands, Easements, Rights of Way, Relocation, & Disposal
- 26174052 - Reaches 4-8 & 14 - Construction/Coordination with USACE
- 26174053 - Technical Studies (completed)
- 26174054 - Design
- 50C40335 - Construction, Reach 5, 6, & 7b

This project meets the commitments of the voter approved Safe, Clean Water Program (SCW), Project E6. For a full description of the SCW benefits and KPIs, please visit www.valleywater.org.

**PROJECT LOCATION**
SCHEDULE & STATUS
July 2000 to June 2026
Project schedule may vary considerably and is dependent upon the USACE and Congress.

<table>
<thead>
<tr>
<th>Phase</th>
<th>Cost</th>
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</thead>
<tbody>
<tr>
<td>Plan</td>
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<tr>
<td>Permits</td>
<td>7,239</td>
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<tr>
<td>Design</td>
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<tr>
<td>Construct</td>
<td>230,271</td>
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<tr>
<td>Closeout</td>
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</tr>
</tbody>
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329,698

EXPENDITURE SCHEDULE
(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>Actuals Thru FY21</th>
<th>Planned Expenditures FY22-30</th>
<th>Total</th>
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</thead>
<tbody>
<tr>
<td>26174051-Llagas Ck—Upper, LERRDs</td>
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<td>3,022 21 20 20 0 0 0 48,089</td>
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<tr>
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<td>45,006</td>
<td>3,022 21 22 23 0 0 0 48,094</td>
<td></td>
</tr>
<tr>
<td>26174052-Llagas Ck—Upper, USACE Coordination</td>
<td>95,247</td>
<td>59,909 55,562 31,400 8,886 250 0 0 251,254</td>
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</tr>
<tr>
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<td>59,909 55,562 32,621 9,255 298 0 0 252,893</td>
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<td>2,303 1,097 1,147 1,312 1,133 0 0 29,351</td>
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<td>50C40335-Llagas Ck—Upper, Construction Rch 5,</td>
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<tr>
<td>6, &amp; 7b</td>
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<tr>
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<td></td>
</tr>
<tr>
<td>TOTAL</td>
<td>187,748</td>
<td>65,234 56,680 32,470 10,056 1,200 0 0 329,698</td>
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</tr>
</tbody>
</table>

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE
(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>Budget Thru FY21</th>
<th>Adj. Budget FY22</th>
<th>Est. Unspent FY23</th>
<th>Planned Funding Requests FY24</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>26174051-Llagas Ck—Upper, LERRDs</td>
<td>45,040</td>
<td>3,048</td>
<td>60 0 0 0 6 0 0 0</td>
<td>48,094</td>
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</tr>
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<td>58,305</td>
<td>13 55,549 32,621 9,255 298 0 0</td>
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<td></td>
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<tr>
<td>26174053-Llagas Ck—Upper, Technical Studies</td>
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</tr>
<tr>
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<td>0 3,531</td>
<td>0 0 0 25 1,133 0 0</td>
<td>29,351</td>
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</tr>
<tr>
<td>50C40335-Llagas Ck—Upper, Construction Rch 5,</td>
<td>23,690</td>
<td>0 0 0 0 0 0</td>
<td>0 0 0</td>
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<tr>
<td>6, &amp; 7b</td>
<td>23,690</td>
<td>0 0 0 0 0 0</td>
<td>0 0 0</td>
<td>23,690</td>
<td></td>
</tr>
<tr>
<td>TOTAL</td>
<td>195,233</td>
<td>61,353</td>
<td>3,604 55,549 32,621 9,285 1,431 0 0</td>
<td>331,783</td>
<td></td>
</tr>
</tbody>
</table>

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES
(in thousands $)

- SCVWD Clean, Safe Creeks and Natural Flood Protection Fund: 17,900
- SCVWD Safe Clean Water Program Fund: 173,099
- Watershed Stream Stewardship Fund: 23,690
- State of California: 33,004
- City of Morgan Hill: 4,090
- NRCS Grants (Unsecured): 80,000
- USACE - In-kind Services: 65,000
- Total: 331,783

OPERATING COST IMPACTS
Operation costs are currently anticipated to be approximately $1,500,000 per year, beginning in FY26.

USEFUL LIFE: 50+ Years
Multiple Watersheds

Flood Protection CIP Projects

- Major Capital Improvements Identified

NOTE:
Location of Erosion Repair projects are not identified on this map.
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PROJECT DESCRIPTION
This project partners with the California Coastal Conservancy, U.S. Army Corps of Engineers (USACE) and key stakeholders to conduct an integrated, multi-objective project along the San Francisco Bay Shoreline. Project number 00044026 funded the USACE Feasibility Study effort for the North San Jose area, known as Economic Impact Area 11 (EIA 11) which was completed in FY17. This project number will continue to fund other Shoreline efforts outside of the Safe, Clean Water (SCW) project numbers. For EIA 11, the Shoreline Project received $177M under the USACE FY 2018 Disaster Supplemental Appropriations Bill. Valley Water’s share of EIA 11 design and construction is $46.8M. Valley Water has been awarded a total of $61 million from a Measure AA grant to partially fund the design and construction of EIA 11. SCW funds will provide $15 million toward Valley Water’s cost share of the design and partial construction efforts for EIA 11. SCW funds will provide $5 million toward Valley Water’s cost share of the planning, design and construction phase efforts for project number 26444002 for of the Palo Alto-Mountain View area, known as EIA 1-4, along with the remaining EIAs and planning and design phases of project number 26444004 for the area from Mountain View-Sunnyvale-San Jose area, known as EIA 5-10. The Shoreline Project will accomplish the following objectives:

• Provide integrated fluvial and 1% coastal flood protection.
• Provide protection for future sea level rise.
• Restore and/or enhance tidal marsh and related habitats.
• Provide recreational and public access opportunities.
• Pursue continued federal funding.
• Obtain a letter of map revision from the Federal Emergency Management Agency at completion of the Construction Phase.
• Coordinate closely with the South Bay Salt Pond Restoration Project, local jurisdictions/cities, U.S. Fish and Wildlife Service, the community and key stakeholders.

This project meets the commitments of the voter approved Safe, Clean Water Program (SCW), Project E7. For a full description of the SCW benefits and KPIs, please visit www.valleywater.org.

PROJECT LOCATION
### EXPENDITURE SCHEDULE

(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>Actuals Thru FY 22</th>
<th>Planned Expenditures FY 22</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>00044026-San Francisco Bay Shoreline</td>
<td>60,691</td>
<td>19,602</td>
<td>18,217</td>
</tr>
<tr>
<td>with inflation</td>
<td>60,691</td>
<td>19,602</td>
<td>18,217</td>
</tr>
<tr>
<td>62044042-Shoreline Early Implementation</td>
<td>359</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>with inflation</td>
<td>359</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>26444001-EIA 11 Design &amp; Part Construction</td>
<td>17,516</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>with inflation</td>
<td>17,516</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>26444002 - EIAs 1-4</td>
<td>4,273</td>
<td>1,373</td>
<td>1,760</td>
</tr>
<tr>
<td>with inflation</td>
<td>4,273</td>
<td>1,373</td>
<td>1,760</td>
</tr>
<tr>
<td>26444004 - EIAs 5-10</td>
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<td>1,045</td>
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</tr>
<tr>
<td>with inflation</td>
<td>0</td>
<td>1,045</td>
<td>1,045</td>
</tr>
<tr>
<td>TOTAL</td>
<td>82,839</td>
<td>22,020</td>
<td>21,022</td>
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</table>

Actuals include project expenditures, and encumbrances.

### FUNDING SCHEDULE

(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>Budget Thru FY 21</th>
<th>Adjusted Budget FY 22</th>
<th>Est. Unspent FY 23</th>
<th>Planned Funding Requests FY 24</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>00044026-San Francisco Bay Shoreline</td>
<td>60,986</td>
<td>21,632</td>
<td>2,325</td>
<td>15,892</td>
<td>17,739</td>
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<td>62044042-Shoreline Early Implementation</td>
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<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>26444001-EIA 11 Design &amp; Part Construction</td>
<td>17,516</td>
<td>0</td>
<td>0</td>
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<td>0</td>
</tr>
<tr>
<td>26444002 - EIAs 1-4</td>
<td>4,273</td>
<td>1,359</td>
<td>0</td>
<td>1,760</td>
<td>2,829</td>
</tr>
<tr>
<td>26444004 - EIAs 5-10</td>
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<td>0</td>
<td>1,045</td>
<td>1,092</td>
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<td>TOTAL</td>
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<td>24,036</td>
<td>2,325</td>
<td>18,697</td>
<td>21,461</td>
</tr>
</tbody>
</table>

Adjusted Budget includes adopted budget plus approved budget adjustments.

### FUNDING SOURCES

(in thousands $)

- SCVWD Watershed Stream Stewardship Fund: 3,043
- SCVWD Clean, Safe Creeks and Natural Flood Protection Fund: 2,011
- SCVWD Safe, Clean Water and Natural Flood Protection Fund: 62,296
- California Department of Water Resources: 420
- SFBRA Measure AA (Grant): 61,444
- SFBRA Measure AA (Ballot Reimbursement): 831
- State of California: 49,093
- Federal Partners, South Bay Salt Ponds (SBSP): 48,470
- State, SBSP: 14,720
- Foundations, Packard-Hewlett-Goldman-Moore, SBSP: 17,060
- Coastal Conservancy, Shoreline: 2,010
- Federal, USACE, Shoreline: 8,990
- Total Partnership Funding for In-kind Services: 91,250
- Total: 179,138

### OPERATING COST IMPACTS

Operating costs will be determined upon completion of the construction phase.

### USEFUL LIFE:

50+ Years
**PROJECT DESCRIPTION**

This project plans, designs, and constructs repairs to levee and stream bank sites that have erosion damage. Each site requires a different type of repair based on location, severity, and velocities in the creek. The objective of this project is to restore the stream bank or levee to a stable condition so as to reduce the risk of flooding and/or damage to adjacent properties and facilities. For facilities with animal conflict damage, the objective is to repair the damage caused by animals and where applicable, install deterrents for future animal activities. The repair work consists of, but is not limited to:

- Excavation and rebuilding of eroded soil material.
- Installation of rodent barriers such as mesh or fabric.
- Repairing the banks with methods commensurate with the extents of damage and environmental constraints.
- Geomorphic channel restoration with bed and bank repair.
- Outfall restoration and repair.
- Sediment removal and blockage repair.
- Fish ladder modifications and repairs.

**PROJECT LOCATION**

View of damage caused by burrowing animals along West Branch of Llagas Creek in the Uvas/Llagas Watershed
### SCHEDULE & STATUS

Several small projects go through the design and construction phases each year under the Stream Maintenance Program 2 permit.

<table>
<thead>
<tr>
<th>Phase</th>
<th>Cost</th>
<th>FY 22</th>
<th>FY 23</th>
<th>FY 24</th>
<th>FY 25</th>
<th>FY 26</th>
<th>FY 27</th>
<th>FY 28</th>
<th>FY 29</th>
<th>FY 30</th>
<th>FY 31</th>
<th>FY 32</th>
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<tbody>
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<td>147,364</td>
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<td>Permits</td>
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<td>Design</td>
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<td></td>
</tr>
<tr>
<td>Construct</td>
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<td></td>
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<td></td>
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</tr>
</tbody>
</table>

### EXPENDITURE SCHEDULE

(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>Actuals Thru</th>
<th>Planned Expenditures</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>FY21</td>
<td>FY22</td>
<td>FY23</td>
</tr>
<tr>
<td>62084001-Watersheds Asset Rehabilitation Program</td>
<td>30,931</td>
<td>18,719</td>
<td>7,364</td>
</tr>
<tr>
<td></td>
<td>with inflation</td>
<td>30,931</td>
<td>18,719</td>
</tr>
</tbody>
</table>

Actuals include project expenditures, and encumbrances.

### FUNDING SCHEDULE

(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>Budget Thru</th>
<th>Adj. Budget</th>
<th>Est. Unspent</th>
<th>Planned Funding Requests</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>FY21</td>
<td>FY22</td>
<td>FY23</td>
<td>FY24</td>
<td>FY25</td>
</tr>
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<td>62084001-Watersheds Asset Rehabilitation Program</td>
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<td>10,911</td>
<td>623</td>
<td>6,741</td>
<td>8,138</td>
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</table>

Adjusted Budget includes adopted budget plus approved budget adjustments.

### FUNDING SOURCES

(in thousands $)

<table>
<thead>
<tr>
<th>Source</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCVWD Watershed Stream Stewardship Fund</td>
<td>174,012</td>
</tr>
<tr>
<td>City of Palo Alto (Matadero Creek)</td>
<td>227</td>
</tr>
</tbody>
</table>

Total 174,012

### OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operating costs, as the project does not significantly alter existing facilities or modes of operation.

### USEFUL LIFE

Not Available
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WATER RESOURCES STEWARDSHIP OVERVIEW

Valley Water plans, designs and constructs various capital projects to meet the Board’s Ends Policy E-4, “Water resources stewardship protects and enhances ecosystem health.” These projects may fulfill environmental enhancement, mitigation, or stewardship goals and priorities.

Valley Water has placed an emphasis on stewardship since 1999 when Valley Water’s Board of Directors adopted a mission and policies that added a focus on environmental stewardship. In 2001, the California legislature added environmental stewardship to Valley Water’s purpose. Specifically, Valley Water’s environmental stewardship activities focus on these three areas:

- Healthy creek and bay ecosystems
- Clean, safe water in creeks and the bay
- Improved quality of life through trails, open space and water resources management

Valley Water’s stewardship work is extensive. Actions to protect the environment are woven into all we do. Some of Valley Water’s stewardship accomplishments since 2000 are:

- Rehabilitated or restored 90 acres of riparian habitat and 500 acres of tidal wetland habitat
- Provided funding for 92 projects that resulted in 71 miles of public access
- Removed over 15,000 lbs of mercury from the creeks in 2017-2018
- Removed more than 20 fish passage impediments
- In conjunction with the Open Space Authority, acquiring 1,300 acres of land for preservation of California Red Legged Frog and California Tiger Salamander habitat
- Completed a draft of existing conditions analysis of fish passage barriers

Environmental Enhancement & Stewardship Projects

The voters in Santa Clara County have supported Valley Water’s environmental enhancement and stewardship efforts, including the creation or restoration of tidal or riparian habitat, by approving three special parcel taxes. In 2000, voters approved the Clean, Safe Creeks and Natural Flood Protection Plan (Clean, Safe Creeks). The Clean, Safe Creeks Plan was replaced by the Safe, Clean Water and Natural Flood Protection Program, which voters approved in 2012 (2012 Safe, Clean Water). In 2020, voters approved the renewal of the Safe, Clean Water Program, which replaced the 2012 Safe, Clean Water Program in entirety. Unlike the first two special parcel taxes, which were set to sunset in 15-years from the date of implementation, the renewed Safe, Clean Water Program will continue until repealed by voters or until the Board determines the funding is no longer needed.

The renewed Safe, Clean Water Program - Fund 26, along with the Watershed and Stream Stewardship (1% ad valorem property tax) - Fund 12 and the Water Utility Enterprise - Fund 61, are the primary funding sources for environmental enhancement and stewardship projects.

For environmental enhancement and stewardship projects under the renewed Safe, Clean Water Program that have not yet been fully defined, the CIP Planning Process will be conducted to allocate the Safe, Clean Water Program funding to the enhancement opportunities that meet Program key performance indicators (KPIs).

Environmental enhancement projects are constructed at the direction of the Board either to meet the Safe, Clean Water Program obligations or to meet other Board priorities.

Stewardship projects are implemented to promote water quality awareness; reduce pollutants in streams; support additional trails, parks and open space; support creek side recreation; and reduce greenhouse gases. Stewardship projects are implemented as required by
the Safe, Clean Water Program or at the discretion of the Board when reasonable and appropriate. These projects are often accomplished in partnership with or support of other agencies.

**Major Capital Improvements Identified in the CIP**

- Stevens Creek Fish Passage Enhancement
- Hale Creek Enhancement Pilot Study (D6.1)
- Almaden Lake Improvements (D4.1a)
- Watershed Habitat Enhancement Design & Construction
- Ogier Ponds Separation from Coyote Creek (D4.1b)
- Bolsa Road Fish Passage Improvement (D6.2)
- Salt Ponds A5-11 Restoration
- Safe, Clean Water Program Fish Passage Improvements (D4.3)

**Feasibility Studies**

In July 2016 the Board provided direction for increased visibility and accelerated delivery of environmental stewardship projects to meet Board priorities. Valley Water has dedicated additional full-time positions to complete the feasibility studies. These feasibility studies will determine the viability of projects that are of interest to the community.

**Major Capital Improvements Identified in the CIP**

- Watershed Habitat Enhancements

**CIP PLANNING PROCESS AND FINANCIAL ANALYSIS**

The annual CIP Planning Process starts with collecting information on proposed new capital projects in July, followed by the validation of proposed new projects, preliminary scoping, review and financial analyses to produce a Draft CIP in February.

The Board then authorizes release of the Draft CIP to the public and local municipalities for review, conducts a public hearing, and approves the resolution to adopt the Final CIP in May.

Projects under the Safe, Clean Water Program have funding allocations and if additional funds are required, the Board may direct that other available revenue be used to implement the proposed projects. Environmental enhancement and stewardship projects not included in the Safe, Clean Water Program are implemented at the discretion of the Board. The inclusion of these projects in the FY 2023-27 CIP has been approved by the Board.

Financial analysis of the following funding sources for Water Resources Stewardship capital improvements determined that the funding needs for approved projects can be met:

- Watershed and Stream Stewardship Fund
- Safe, Clean Water Fund
- Water Utility Enterprise Fund

It is understood that new capital projects have an impact on future operations and maintenance, and this is included in the financial analysis. Periodically throughout the project, projections of this impact are updated to reflect changes to the project elements.

**Significant Project Updates from the Prior Year**

- The Ogier Ponds Separation from Coyote Creek Project has increased in cost by $2.12 million as a result of the project schedule being extended by one year to account for additional design work. The project is being considered as a conservation measure in the Anderson Dam Seismic Retrofit Project Environmental Impact Report (ADSRP EIR).

- The Salt Ponds A5-11 Restoration Project is an integrated project that will combine the Calabazas/San Tomas creek realignment project with SBSPRP planned tidal marsh restoration project. The total project cost has increased by $4.88 million due to an increase in cost to the planning, environmental and design phases. Construction costs will be included in the project plan once a staff recommended alternative is presented to the Board at the end of the planning phase, expected in summer of 2024.
The following table is a project funding schedule for water resources stewardship capital improvements resulting from this year’s financial analysis. Detailed information for each project can be found in this document on the following pages in the order presented in this table. The chart also identifies partially funded projects and estimated unspent appropriation from FY 2021-22.

Water Resources Stewardship Capital Improvements ($K)

<table>
<thead>
<tr>
<th>Project Number</th>
<th>PROJECT NAME</th>
<th>Through FY21</th>
<th>FY22</th>
<th>UNspentFY22</th>
<th>FY23</th>
<th>FY24</th>
<th>FY25</th>
<th>FY26</th>
<th>FY27</th>
<th>FY28-37</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ENVIRONMENTAL ENHANCEMENT &amp; STEWARDSHIP</td>
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<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>00294001s</td>
<td>Stevens Creek Fish Passage Enhancement</td>
<td>850</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>2,340</td>
<td>6,381</td>
<td>3,586</td>
<td>5,724</td>
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</tr>
<tr>
<td>26104001</td>
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<td>72</td>
<td>11</td>
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<td>Almaden Lake Improvements (D4.1a)</td>
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<td>33</td>
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</tr>
<tr>
<td>00C40400s</td>
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<td>-</td>
<td>-</td>
<td>-</td>
<td>2,090</td>
<td>2,184</td>
<td>2,282</td>
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<td>26044003</td>
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<td>1,051</td>
<td>1,116</td>
<td>112</td>
<td>1,936</td>
<td>1,547</td>
<td>-</td>
<td>-</td>
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<td>26044004</td>
<td>Bolsa Road Fish Passage Improvement (D6.2)</td>
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<td>26C40370</td>
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<tr>
<td></td>
<td>TOTAL</td>
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<td>22,676</td>
<td>10,504</td>
<td>10,901</td>
<td>10,175</td>
<td>71,209</td>
<td>201,172</td>
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</table>

The following table shows funding requirements from each funding source for enhancement capital improvements.

FY 2021-22 Funds to be reappropriated

<table>
<thead>
<tr>
<th>Fund Number</th>
<th>FUND NAME</th>
<th>Through FY21</th>
<th>FY22</th>
<th>UNspentFY22</th>
<th>FY23</th>
<th>FY24</th>
<th>FY25</th>
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<th>FY27</th>
<th>FY28-37</th>
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<td>26</td>
<td>Safe, Clean Water and Natural Flood Protection Fund</td>
<td>19,914</td>
<td>17,591</td>
<td>4,222</td>
<td>25,235</td>
<td>21,066</td>
<td>4,479</td>
<td>1,303</td>
<td>4,146</td>
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<td>201,172</td>
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</table>

FY 2021-22 Funds to be reappropriated
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Environmental Enhancement & Stewardship

Lower Peninsula Watershed

Legend:
- Major Capital Improvements
- Guadalupe Watershed
- Santa Clara County
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Project: Stevens Creek Fish Passage Enhancements
Program: Water Resources Stewardship - Environmental Enhancement
Project No.: 00294001s
Contact: John Bourgeois
jbourneis@valleywater.org

Example of a fish ladder to be modified or reconstructed for improved fish passage

PROJECT DESCRIPTION
This project plans, designs, and constructs improvements to the Moffett Boulevard fish ladder to improve fish passage at Stevens Creek Dam to accomplish the following objectives:

- Restore and maintain a healthy steelhead trout population in the Stevens Creek watershed.
- Provide adequate passage for adult steelhead trout to reach suitable spawning and rearing habitat and for out-migration of juveniles.

This project is accounted for in the following:
- 00294001 Fish Passage Planning
- 00C40145 Moffett Boulevard Fish Ladder
- 62C40403 Stevens Creek Fish Barrier Removal Construction

PROJECT LOCATION

![Project Location Map]
### SCHEDULE & STATUS

**July 2008 to June 2025**

Planning phase is complete. Project is on hold.

### EXPENDITURE SCHEDULE

<table>
<thead>
<tr>
<th>Project Description</th>
<th>Actuals Thru FY21</th>
<th>FY22</th>
<th>FY23</th>
<th>FY24</th>
<th>FY25</th>
<th>FY26</th>
<th>FY27</th>
<th>Future</th>
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<tbody>
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<td>0</td>
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<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
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<td>00C40145-FAHCE Stevens Ck Fish Ladder at Moffett Blvd</td>
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<td>0</td>
<td>1,255</td>
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<td>0</td>
<td>0</td>
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<td>1,770</td>
<td>0</td>
<td>0</td>
<td>3,202</td>
</tr>
<tr>
<td>00C40198-FAHCE Stevens Ck Dam Multi-Port Outlet</td>
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<td>0</td>
<td>0</td>
<td>323</td>
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<td>0</td>
<td>0</td>
<td>0</td>
<td>368</td>
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<td>46</td>
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<td>3,427</td>
<td>3,540</td>
<td>5,725</td>
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<td>6,381</td>
<td>3,586</td>
<td>5,725</td>
<td>18,886</td>
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</table>

Actuals include project expenditures, and encumbrances.

### FUNDING SCHEDULE

<table>
<thead>
<tr>
<th>Project Description</th>
<th>Budget Thru FY21</th>
<th>FY22</th>
<th>FY23</th>
<th>FY24</th>
<th>FY25</th>
<th>FY26</th>
<th>FY27</th>
<th>Future</th>
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<tbody>
<tr>
<td>00294001-FAHCE Stevens Ck Fish Passage Planning</td>
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<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>00C40145-FAHCE Stevens Ck Fish Ladder at Moffett Blvd</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1,432</td>
<td>1,770</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>00C40198-FAHCE Stevens Ck Dam Multi-Port Outlet</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>368</td>
<td>1,184</td>
<td>46</td>
<td>0</td>
</tr>
<tr>
<td>62C40403-Stevens Ck Fish Barrier Removal Construction</td>
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<td>0</td>
<td>0</td>
<td>0</td>
<td>543</td>
<td>3,427</td>
<td>3,540</td>
<td>5,725</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>850</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>2,343</td>
<td>6,381</td>
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<td>5,725</td>
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<tr>
<td>SCVWD Watershed Stream Stewardship Fund–10%</td>
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<td>SCVWD Water Utility Enterprise Fund–90%</td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>18,886</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

### OPERATING COST IMPACTS

Operating costs will be determined during the design phase.

### USEFUL LIFE:

50 Years
Hale Creek Enhancement Pilot Study (D6.1)

Program  
Water Resources Stewardship - Environmental Enhancements

Project No.  
26164001

Contact  
Bhavani Yerrapothu  
byerrapothu@valleywater.org

Reach to be modified downstream of 7th Day Adventist foot bridge between Marilyn Drive and North Sunshine Drive

PROJECT DESCRIPTION

This pilot project plans, designs, and constructs improvements to an approximately 650-foot long reach in Hale Creek to accomplish the following objectives:

- Provide flood protection and enhance habitat.
- Restore stream recharge capability to a concrete-lined portion.
- Remove existing concrete channel and replace with a vegetated soft-bottom channel, to improve and restore the natural functions of the stream.

This project meets the commitments of the voter approved Safe, Clean Water Program (SCW), Project D6. For a full description of the SCW benefits and KPIs, please visit www.valleywater.org.

PROJECT LOCATION
EXPENDITURE SCHEDULE
(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>Actuals Thru</th>
<th>Planned Expenditures</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>FY21</td>
<td>FY22</td>
<td>FY23</td>
</tr>
<tr>
<td>26164001-Hale Creek Enhancement Pilot Study (D6.1)</td>
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<td>3,140</td>
<td>3,002</td>
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<tr>
<td>with inflation</td>
<td>2,777</td>
<td>3,140</td>
<td>3,002</td>
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Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE
(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>Budget Thru</th>
<th>Adj. Budget</th>
<th>Est. Unspent</th>
<th>Planned Funding Requests</th>
<th>Total</th>
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<tr>
<td></td>
<td>FY21</td>
<td>FY22</td>
<td>FY23</td>
<td>FY24</td>
<td>FY25</td>
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<td>11</td>
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Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES
(in thousands $)

<table>
<thead>
<tr>
<th>Source</th>
<th>Total</th>
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<tbody>
<tr>
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<tr>
<td>Other Funding Sources</td>
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<tr>
<td>Total</td>
<td>8,964</td>
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</table>

OPERATING COST IMPACTS
Operating cost impacts will be determined at the completion of the design phase.

USEFUL LIFE: Not available
Environmental Enhancement & Stewardship
Guadalupe Watershed

Legend
- Major Capital Improvements
- Guadalupe Watershed
- Valley Water Watersheds
- Santa Clara County

Map of the Guadalupe Watershed showing various watersheds and reservoirs, including San Francisco Bay, Lower Peninsula Watershed, West Valley Watershed, Guadalupe Watershed, Calaveras Reservoir, Calero Reservoir, Almaden Reservoir, Uvas Reservoir, Uvas/Liagas Watershed, Anderson Reservoir, Chesbro Reservoir, and Coyote Reservoir.
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**PROJECT DESCRIPTION**

The project will separate Alamitos Creek from Almaden Lake and restore Alamitos Creek’s stream function within the footprint of Almaden Lake. The goals are to improve water quality and physical habitat for steelhead and other anadromous fish by separating the creek from the lake while incorporating the principle of geomorphic design and to create a self-sustaining channel that requires little maintenance to keep it viable for fisheries and wildlife benefits. Benefits of this project will be the creation of channel complexity in the restored stream channel such as instream riffle-pool habitat, cover for rearing fish, gravel to support spawning and plantings that will provide numerous ancillary wildlife benefits; reduction of high water temperatures released from Almaden Lake into Alamitos Creek; and removal of entrainment, predatory and methylmercury impacts to anadromous fish from Almaden Lake. The objectives are as follows:

- Separate Alamitos Creek from Almaden Lake.
- Reduce thermal impediment to migration of anadromous fish.
- Remove entrainment and impacts from predatory species to anadromous fish.
- Reduce mercury concentration in target fish to meet applicable water quality objectives.
- Minimize impacts to recreational features.

This project is funded for the planning and design phase from the Safe, Clean Water (SCW), Priority D4.1a. Funding for construction may also be available from the Safe, Clean Water Program. For a full description of the SCW benefits and KPIs, please visit [www.valleywater.org](http://www.valleywater.org).

**PROJECT LOCATION**

A southern view of Almaden Lake, through which Alamitos Creek flows.
EXPERIMENT SCHEDULE
(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>FY21</th>
<th>FY22</th>
<th>FY23</th>
<th>FY24</th>
<th>FY25</th>
<th>FY26</th>
<th>FY27</th>
<th>Future</th>
</tr>
</thead>
<tbody>
<tr>
<td>26044001-Almaden Lake Improvements (D4.1a)</td>
<td>7,078</td>
<td>9,870</td>
<td>20,855</td>
<td>19,000</td>
<td>650</td>
<td>25</td>
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<td>25</td>
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<tr>
<td>with inflation</td>
<td>7,078</td>
<td>9,870</td>
<td>20,855</td>
<td>19,092</td>
<td>742</td>
<td>30</td>
<td>31</td>
<td>33</td>
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</table>

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE
(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>FY21</th>
<th>FY22</th>
<th>FY23</th>
<th>FY24</th>
<th>FY25</th>
<th>FY26</th>
<th>FY27</th>
<th>Future</th>
</tr>
</thead>
<tbody>
<tr>
<td>26044001-Almaden Lake Improvements (D4.1a)</td>
<td>7,417</td>
<td>9,531</td>
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<td>20,855</td>
<td>19,092</td>
<td>742</td>
<td>30</td>
<td>31</td>
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</table>

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES
(in thousands $)

<table>
<thead>
<tr>
<th>Source</th>
<th>Total</th>
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<tbody>
<tr>
<td>SCVWD Safe,Clean Water Fund</td>
<td>57,730</td>
</tr>
<tr>
<td>Other Funding Sources</td>
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</tr>
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</table>

Total | 57,730

OPERATING COST IMPACTS
Annual post-construction operating costs for this project are anticipated at approximately $270,000 starting in FY25.

USEFUL LIFE: 100 Years
**PROJECT DESCRIPTION**

This project provides for future design and construction of possible habitat enhancements that may occur at Metcalf Ponds along Coyote Creek if feasible projects are identified by the feasibility study currently underway in Project 62044001, and the Board approves proceeding with the work. It also provides funding for possible future construction at Ogier Ponds along Coyote Creek, if the Board approves implementing a project being planned under project 26044003. Funding for this project is contingent on a successful Fisheries and Aquatic Habitat Collaborative Effort settlement. This project accomplishes the following objective:

- Enhance a healthy steelhead trout and salmon population in the Coyote Creek Watershed.

**PROJECT LOCATION**
SCHEDULE & STATUS
July 2023 to June 2031

EXPENDITURE SCHEDULE
(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>Actuals Thru FY21</th>
<th>Planned Expenditures FY22</th>
<th>Planned Expenditures FY23</th>
<th>Planned Expenditures FY24</th>
<th>Planned Expenditures FY25</th>
<th>Planned Expenditures FY26</th>
<th>Planned Expenditures FY27</th>
<th>Future</th>
<th>Total</th>
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<td>1,832</td>
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<td>2,282</td>
<td>13,100</td>
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<td>00C40401 Project 2 Construction (e.g. Ogier Ponds)</td>
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<td>0</td>
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<td>2,090</td>
<td>2,184</td>
<td>2,282</td>
<td>46,585</td>
<td>66,242</td>
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</table>

FUNDING SCHEDULE
(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>Budget Thru FY21</th>
<th>Adjusted Budget FY22</th>
<th>Estimated Unspent FY23</th>
<th>Planned Funding Requests FY24</th>
<th>Planned Funding Requests FY25</th>
<th>Planned Funding Requests FY26</th>
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<th>Future</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>95C40400 Project 1 Design &amp; Construction (e.g. Metcalf Ponds)</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>2,090</td>
<td>2,184</td>
<td>2,282</td>
<td>13,100</td>
<td>19,657</td>
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</tr>
<tr>
<td>00C40401 Project 2 Construction (e.g. Ogier Ponds)</td>
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<td>0</td>
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<td>46,585</td>
<td>46,585</td>
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<tr>
<td>TOTAL</td>
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<td>0</td>
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<td>2,184</td>
<td>2,282</td>
<td>59,686</td>
<td>66,242</td>
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FUNDING SOURCES
(in thousands $)

<table>
<thead>
<tr>
<th>Fund Name</th>
<th>Amount</th>
</tr>
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<tbody>
<tr>
<td>SCVWD Water Utility Enterprise Fund</td>
<td>42,950</td>
</tr>
<tr>
<td>SCVWD Watershed and Stream Stewardship Fund</td>
<td>23,293</td>
</tr>
<tr>
<td>SCVWD Safe, Clean Water Fund</td>
<td>0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>66,242</strong></td>
</tr>
</tbody>
</table>

OPERATING COST IMPACTS
The completion of this project is anticipated to increase operating costs for routine maintenance of the channel. The amount of the increase will be developed in the design phase, when adequate information on the staff-recommended alternative is available.

USEFUL LIFE: 50 years
Environmental Enhancement & Stewardship

Multiple Watersheds

Legend
- Major Capital Improvements
- Major Capital Improvements
- Valley Water Watersheds
- Santa Clara County
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PROJECT DESCRIPTION
This project plans, designs, and constructs improvements to the South Bay Salt Ponds to accomplish the following objectives:

- Realign Calabazas and San Tomas Creeks to flow directly into Pond A8.
- Reduce erosion and sedimentation, reduce maintenance costs of lower reaches of Calabazas and San Tomas Creeks.
- Restore the south Bay Salt Ponds to improve wildlife habitat.
- Protect residents from tidal flooding and enhance/maintain fluvial flood protection.
- Meet permitting requirements for the creek's realignment or further restoration efforts.
- Provide recreational and public access opportunities.

This project meets the commitments of the voter approved Safe, Clean Water Program (SCW), Project D8. For a full description of the SCW benefits and KPIs, please visit www.valleywater.org.

PROJECT LOCATION

View of the former salt evaporation facilities near Alviso
### Schedule & Status
July 2021 to April 2029

#### Expenditure Schedule
(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>FY21</th>
<th>FY22</th>
<th>FY23</th>
<th>FY24</th>
<th>FY25</th>
<th>FY26</th>
<th>FY27</th>
<th>Future</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>204444001 - Salt Ponds A5-11 Restoration</td>
<td>5,346</td>
<td>1,920</td>
<td>752</td>
<td>1,474</td>
<td>1,395</td>
<td>866</td>
<td>129</td>
<td>5</td>
<td>11,887</td>
</tr>
<tr>
<td>with inflation</td>
<td>5,346</td>
<td>1,920</td>
<td>752</td>
<td>1,610</td>
<td>1,592</td>
<td>1,033</td>
<td>161</td>
<td>7</td>
<td>12,420</td>
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</tr>
<tr>
<td>with inflation</td>
<td>308</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>308</td>
</tr>
<tr>
<td>TOTAL</td>
<td>5,654</td>
<td>1,920</td>
<td>752</td>
<td>1,474</td>
<td>1,395</td>
<td>866</td>
<td>129</td>
<td>5</td>
<td>12,195</td>
</tr>
<tr>
<td>with inflation</td>
<td>5,654</td>
<td>1,920</td>
<td>752</td>
<td>1,610</td>
<td>1,592</td>
<td>1,033</td>
<td>161</td>
<td>7</td>
<td>12,728</td>
</tr>
</tbody>
</table>

Actuals include project expenditures, and encumbrances.

#### Funding Schedule
(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>Budget Thru FY21</th>
<th>Adj. Budget FY22</th>
<th>Est. Unspent FY23</th>
<th>Planned Funding Requests FY24</th>
<th>FY25</th>
<th>FY26</th>
<th>FY27</th>
<th>Future</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>204444001 - Salt Ponds A5-11 Restoration</td>
<td>5,252</td>
<td>2,015</td>
<td>1</td>
<td>751</td>
<td>1,610</td>
<td>1,592</td>
<td>1,033</td>
<td>161</td>
<td>7</td>
</tr>
<tr>
<td>26444003 - South Salt Ponds Restoration (D8)</td>
<td>548</td>
<td>0</td>
<td>240</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>TOTAL</td>
<td>5,800</td>
<td>2,015</td>
<td>241</td>
<td>751</td>
<td>1,610</td>
<td>1,592</td>
<td>1,033</td>
<td>161</td>
<td>7</td>
</tr>
</tbody>
</table>

Adjusted Budget includes adopted budget plus approved budget adjustments. Funding exceeds planned expenditures by approximately $240,000. Excess funding will be returned to reserves upon the end of the project.

#### Funding Sources
(in thousands $)

<table>
<thead>
<tr>
<th>Source</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCVWD Watershed and Stream Stewardship Fund</td>
<td>12,420</td>
</tr>
<tr>
<td>SCVWD Safe, Clean Water Fund</td>
<td>548</td>
</tr>
<tr>
<td>Prop 1 Grant</td>
<td>0</td>
</tr>
<tr>
<td>SFBRA Measure AA</td>
<td>0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>12,968</strong></td>
</tr>
</tbody>
</table>

#### Operating Cost Impacts
The completion of this project is anticipated to decrease operating costs by approximately $4 million every three years, beginning in FY24, by reducing on-going sediment removal.

#### Useful Life
Not Available
PROJECT DESCRIPTION
This project plans, designs and constructs improvements for two high priority fish barriers in Santa Clara County. Valley Water has partnered with the City of San José to remove the fish passage barrier at the city-owned Singleton Road crossing on Coyote Creek near Capital Expressway. The project will remove the barrier and restore a free-flowing condition for Coyote Creek providing migratory fish access to approximately 18 miles of creek habitat. The Evelyn Bridge Road project was completed in November 2015 to remove a migratory fish passage barrier that redirects high flow events leaving the channel dry under the bridge and downstream of the fish ladder. Removal of the barrier under Evelyn Bridge provided nearly 9 miles of creek habitat along Stevens Creek. The project also contributed funds for planning and design of the Bolsa Road Fish Passage Project, which originated under this project to remove a fish passage impediment at the Bolsa Road railroad bridge. During the design phase, this project was extracted from the fish passage project because geomorphic design features were identified to restore bank stability and improve stream function that better aligned with Project D6 under the Safe, Clean Water Program.

- Planning, design and construction for a passage impediment at the Evelyn Bridge preventing upstream/downstream movement of steelhead in the Stevens Creek watershed. Remediation of this barrier will facilitate movement to 8.8 miles of higher quality upstream habitat and allow for out-migrant fish to access San Francisco Bay unimpeded. (Completed in 2016)
- Execute a partnership agreement to provide technical support to the City of San Jose for removal of the Singleton Road low water crossing in Coyote Creek. Removal of the fish passage barrier will provide migratory fish access to approximately 18 miles of creek habitat upstream from the site and will allow for unimpeded access of out-migrant fish through the site. An interim project will install a temporary flatcar bridge to meet these objectives. The City of San Jose will continue to seek funding for the permanent bridge solution.

This project meets the commitments of the voter approved Safe, Clean Water Program (SCW), Project D4.3. For a full description of the SCW benefits and KPIs, please visit www.valleywater.org.

PROJECT LOCATION

![Project Location Map](image-url)
### SCHEDULE & STATUS
July 2015 to June 2023

#### EXPENDITURE SCHEDULE
(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>Actuals Thru FY21</th>
<th>Planned Expenditures</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>FY21 FY22 FY23 FY24 FY25 FY26 FY27 Future</td>
<td>Future</td>
<td></td>
</tr>
<tr>
<td>26044002-SCW Fish Passage Improvements (D4.3)</td>
<td>5,152 980 202 0 0 0 0 0</td>
<td>6,334</td>
<td></td>
</tr>
<tr>
<td></td>
<td>5,152 980 202 0 0 0 0 0</td>
<td>6,334</td>
<td></td>
</tr>
</tbody>
</table>

Actuals include project expenditures, and encumbrances.

#### FUNDING SCHEDULE
(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>Budget Thru FY21</th>
<th>Adj. Budget FY22</th>
<th>Est. Unspent FY23</th>
<th>Planned Funding Requests FY24</th>
<th>Future</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>FY21 FY22 FY23 FY24 FY25 FY26 FY27 Future</td>
<td>Future</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>26044002-SCW Fish Passage Improvements (D4.3)</td>
<td>5,328 980 176 26 0 0 0 0</td>
<td>6,334</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### FUNDING SOURCES
(in thousands $)

<table>
<thead>
<tr>
<th>Source</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCVWD Safe, Clean Water Fund</td>
<td>6,334</td>
</tr>
<tr>
<td>Other Funding Sources</td>
<td>0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>6,334</strong></td>
</tr>
</tbody>
</table>

#### OPERATING COST IMPACTS
TBD

### USEFUL LIFE:
50 Years


**PROJECT DESCRIPTION**

This project removes a fish passage impediment at the Bolsa Road railroad bridge while incorporating geomorphic design features to restore bank stability and improve stream function. The project will accomplish the following objectives:

- Remediation of the fish passage impediment will allow access to approximately 22 miles of higher quality upstream habitat in the Uvas Watershed, as well as unimpeded access for out-migrant fish through the project site. A riffle pool system extending approximately 1,700 feet downstream of the Union Pacific Railroad bridge will also include geomorphic design features to restore bank stability and improve stream function.

This project meets the commitments of the voter approved Safe, Clean Water Program (SCW), Project D6.2. For a full description of the SCW benefits and KPIs, please visit [www.valleywater.org](http://www.valleywater.org).

**PROJECT LOCATION**

- Removal of the Bolsa Road fish barrier will allow fish to travel upstream

---

**Project**  Bolsa Road Fish Passage Improvements (D6.2)

**Program**  Water Resources Stewardship - Environmental Enhancements

**Project No.**  26044004

**Contact**  Bhavani Yerrapotu  byerrapotu@valleywater.org

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Attachment 1
Page 171 of 234
SCHEDULE & STATUS
July 2015 to June 2026

EXPENDITURE SCHEDULE
(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>Actuals Thru</th>
<th>Planned Expenditures</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>26044004-Bolsa Road Fish Passage Improvements (D6.2)</td>
<td></td>
<td>FY22</td>
<td>FY23</td>
</tr>
<tr>
<td>with inflation</td>
<td>0</td>
<td>2,205</td>
<td>4,170</td>
</tr>
</tbody>
</table>

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE
(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>Budget Thru</th>
<th>Adj. Budget</th>
<th>Est. Unspent</th>
<th>Planned Funding Requests</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>26044004-Bolsa Road Fish Passage Improvements (D6.2)</td>
<td>0</td>
<td>2,205</td>
<td>0</td>
<td>4,170</td>
<td>27</td>
</tr>
</tbody>
</table>

FUNDING SOURCES
(in thousands $)

| SCVWD Safe, Clean Water Fund                    | 6,521       |
| Other Funding Sources                           | 0           |
| Total                                         | 6,521       |

OPERATING COST IMPACTS
The completion of this project is anticipated to increase operating costs by approximately $20,000 per year beginning in FY24.

USEFUL LIFE: 50 Years
This project seeks to help restore populations of native fish species, such as steelhead trout by removing impediments to the passage of fish for spawning.

**PROJECT DESCRIPTION**
This project is a placeholder for future capital projects that have not been fully defined. The project(s) will implement the renewed Safe Clean Water (SCW) objectives for Project D4 Fish Habitat and Passage Improvement projects that remove barriers to fish passage. Funds will be moved from this placeholder into projects once they have been defined and vetted to ensure they meet the following program objectives:

- Improve habitat and passage for Steelhead and other native fish of Santa Clara County.

**PROJECT LOCATION**
No map is provided for this project.
SCHEDULE & STATUS
July 2022 to June 2032

Data provided is based on preliminary information. Specific projects identified to move forward will require further refinement. A Phase schedule will be defined in the planning phase.

EXPENDITURE SCHEDULE
(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>Actuals Thru</th>
<th>Planned Expenditures</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>FY21</td>
<td>FY22</td>
<td>FY23</td>
</tr>
<tr>
<td>26C40370-SCW Implementation: Fish Passage Improvements (Future D4)</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>with inflation</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

FUNDING SCHEDULE
(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>Budget Thru</th>
<th>Adj. Unspent</th>
<th>Planned Funding Requests</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>FY21</td>
<td>FY22</td>
<td>FY23</td>
<td>FY24</td>
</tr>
<tr>
<td>26C40370-SCW Implementation: Fish Passage Improvements (Future D4)</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

FUNDING SOURCES
(in thousands $)

<table>
<thead>
<tr>
<th>SCVWD Safe, Clean Water Fund</th>
<th>6,813</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td>6,813</td>
</tr>
</tbody>
</table>

OPERATING COST IMPACTS
No operating cost impacts are anticipated from this project, as it is a placeholder project only.

USEFUL LIFE: Not Available
**PROJECT DESCRIPTION**

This project plans and designs improvements to separate Coyote Creek from Ogier Ponds. The project includes the following objectives:

* Work with County Parks to remediate the priority fish passage impediment named in the FAHCE Settlement Agreement.
  * Remove Coyote Creek from Ogier Ponds
  * Work with County Parks to preserve existing recreational facilities and improve future opportunities.

This project was approved by the voters in the Safe, Clean Water Program (SCW) as Project D4.1b (planning & design phase). For a full description of the SCW benefits and KPIs, please visit www.valleywater.org.

**PROJECT LOCATION**
SCHEDULE & STATUS
March 2019 through May 2025

EXPENDITURE SCHEDULE
(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>Actuals Thru</th>
<th>Planned Expenditures</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>FY21</td>
<td>FY22</td>
<td>FY23</td>
<td>FY24</td>
</tr>
<tr>
<td>26044003-SCW Ogier Ponds Separation from Coyote Creek (Planning &amp; Design) (D4.1b)</td>
<td>412</td>
<td>1,121</td>
<td>1,229</td>
</tr>
<tr>
<td>with inflation</td>
<td>412</td>
<td>1,121</td>
<td>1,229</td>
</tr>
</tbody>
</table>

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE
(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>Budget Thru</th>
<th>Adj. Budget</th>
<th>Est. Unspent</th>
<th>Planned Funding Requests</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>FY21</td>
<td>FY22</td>
<td>FY23</td>
<td>FY24</td>
<td>FY25</td>
<td>FY26</td>
</tr>
<tr>
<td>26044003-SCW Ogier Ponds Separation from Coyote Creek (Planning &amp; Design) (D4.1b)</td>
<td>1,598</td>
<td>1,051</td>
<td>1,116</td>
<td>112</td>
<td>1,936</td>
</tr>
</tbody>
</table>

FUNDING SOURCES
(in thousands $)

| SCVWD Safe, Clean Water Fund | 6,244 |
| Other Funding Sources | 0 |
| **Total** | **6,244** |

OPERATING COST IMPACTS
No operating cost impacts are anticipated from this project, as it includes only the planning and design phases.

USEFUL LIFE: Not Available
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**PROJECT DESCRIPTION**

This project provides for feasibility studies of possible habitat enhancements at the Ogier Ponds and Metcalf Ponds along Coyote Creek, and an evaluation and determination of priority for addressing various fish passage barriers along Stevens Creek. This project accomplishes the following objectives:

- Enhance a healthy steelhead trout and salmon population in the Coyote Creek Watershed.
- Provide adequate passage for adult steelhead trout to reach suitable spawning and rearing habitat and for out-migration of juveniles along Stevens Creek.

**PROJECT LOCATION**

Aerial view looking downstream of the Ogier Pond complex
### EXPENDITURE SCHEDULE

(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>Actuals Thru</th>
<th>Planned Expenditures</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Project</td>
<td>FY21</td>
<td>FY22</td>
<td>FY23</td>
</tr>
<tr>
<td>62044001-Watershed Habitat Enhancements</td>
<td>3,736</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

Actuals include project expenditures, and encumbrances.

### FUNDING SCHEDULE

(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>Budget Thru</th>
<th>Adj. Budget</th>
<th>Est. Unspent</th>
<th>Planned Funding Requests</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Project</td>
<td>FY21</td>
<td>FY22</td>
<td>FY23</td>
<td>FY24</td>
<td>FY25</td>
</tr>
<tr>
<td>62044001-Watershed Habitat Enhancements</td>
<td>4,099</td>
<td>0</td>
<td>363</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

Adjusted Budget includes adopted budget plus approved budget adjustments. Funding exceeds planned expenditures by approximately $363,000. Excess funding will be returned to reserves upon project completion.

### FUNDING SOURCES

(in thousands $)

<table>
<thead>
<tr>
<th>Sources</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCVWD Watershed &amp; Stream Stewardship Fund</td>
<td>4,099</td>
</tr>
<tr>
<td>Other Funding Sources</td>
<td>0</td>
</tr>
</tbody>
</table>

**Total** | **4,099** |

### OPERATING COST IMPACTS

No operating impacts are anticipated from this project because this is a feasibility study.

### USEFUL LIFE:

N/A
Buildings and Grounds
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BUILDINGS AND GROUNDS OVERVIEW

Valley Water’s Almaden-Winfield campus occupies nearly 50 acres along Almaden Expressway in the City of San Jose. Valley Water manages the campus to ensure a healthful and safe work environment for employees and visitors. The campus includes 10 buildings, multiple parking lots, a corporation yard, landscaping, and other appurtenances.

With most of the buildings on campus over 30 years old, the rehabilitation needs have steadily increased in recent years. Valley Water administers an asset management program for its buildings and grounds infrastructure that includes a schedule for maintenance and rehabilitation to ensure that each facility functions as intended over its useful life.

Major Capital Improvements Identified in the CIP

- Facility Management, Small Capital Improvements
- Headquarters Operations Building
- Security Upgrades and Enhancements

CIP PLANNING PROCESS AND FINANCIAL ANALYSIS

The annual CIP Planning Process starts with collecting information on proposed new capital projects in July, followed by the validation of proposed new projects, preliminary scoping, review and financial analyses to produce a Draft CIP in February.

The Board then authorizes release of the Draft CIP to the public and local municipalities for review, conducts a public hearing, and approves the resolution to adopt the Final CIP in May.

Financial analysis of the following funding sources for buildings and grounds capital improvements was conducted to determine if there are limitations to funding all the proposed capital projects:

- Watershed and Stream Stewardship Fund
- General Fund
- Water Utility Enterprise Fund

The CIP Planning Process concluded that the Facility Management, Small Capital Improvements funding totals $4 million per year to meet Buildings and Grounds needs. Valley Water’s Almaden Campus facilities are at or approaching full capacity. Staff, with the assistance of a consultant, are exploring alternatives to improve the facilities on the Almaden and Winfield campus, upgrade the employee work environment and maintain Valley Water facility assets.

Significant Project Updates from the Prior Year

A new Buildings and Grounds project was created for inclusion in the FY 2023-27 CIP. The Security Upgrades and Enhancements Project will significantly enhance overall security at Valley Water facilities through technological and physical upgrades and enhancements. This project includes designing and installing a modern technical security system capable of meeting today’s security and investigative requirements and improves physical security for critical facilities and assets.
The following table is a project funding schedule for buildings and grounds capital improvements resulting from this year’s financial analysis. Detailed information for each project can be found in this document on the following pages in the order presented in this table. The chart also identifies partially funded projects and estimated unspent appropriation from FY 2021-22.

<table>
<thead>
<tr>
<th>Project Number</th>
<th>PROJECT NAME</th>
<th>Through FY21</th>
<th>FY22 Uns spent</th>
<th>FY23</th>
<th>FY24</th>
<th>FY25</th>
<th>FY26</th>
<th>FY27</th>
<th>FY28-37</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>60204016</td>
<td>Facility Management, Small Capital Improvements</td>
<td>n/a</td>
<td>4,000</td>
<td>-</td>
<td>4,000</td>
<td>4,000</td>
<td>4,000</td>
<td>4,000</td>
<td>16,000</td>
<td>40,000</td>
</tr>
<tr>
<td>60204022</td>
<td>Security Upgrades and Enhancements</td>
<td>0</td>
<td>-</td>
<td>314</td>
<td>328</td>
<td>338</td>
<td>349</td>
<td>7,025</td>
<td>8,216</td>
<td>16,570</td>
</tr>
<tr>
<td>60204032</td>
<td>Headquarters Operations Building</td>
<td>20</td>
<td>2,000</td>
<td>-</td>
<td>2,080</td>
<td>6,361</td>
<td>2,282</td>
<td>2,385</td>
<td>-</td>
<td>15,128</td>
</tr>
<tr>
<td>TOTAL</td>
<td></td>
<td>20</td>
<td>6,000</td>
<td>-</td>
<td>6,394</td>
<td>10,689</td>
<td>6,620</td>
<td>6,734</td>
<td>11,025</td>
<td>24,216</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Fund Number</th>
<th>FUND NAME</th>
<th>Through FY21</th>
<th>FY22 Uns spent</th>
<th>FY23</th>
<th>FY24</th>
<th>FY25</th>
<th>FY26</th>
<th>FY27</th>
<th>FY28-37</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>General Fund</td>
<td>20</td>
<td>6,000</td>
<td>-</td>
<td>6,394</td>
<td>10,689</td>
<td>6,620</td>
<td>6,734</td>
<td>11,025</td>
<td>24,216</td>
</tr>
<tr>
<td>TOTAL</td>
<td></td>
<td>20</td>
<td>6,000</td>
<td>-</td>
<td>6,394</td>
<td>10,689</td>
<td>6,620</td>
<td>6,734</td>
<td>11,025</td>
<td>24,216</td>
</tr>
</tbody>
</table>

The following table shows funding requirements from each funding source for buildings and grounds capital improvements.

Buildings and Grounds - Funding Sources ($K)

<table>
<thead>
<tr>
<th>Fund Number</th>
<th>FUND NAME</th>
<th>Through FY21</th>
<th>FY22 Uns spent</th>
<th>FY23</th>
<th>FY24</th>
<th>FY25</th>
<th>FY26</th>
<th>FY27</th>
<th>FY28-37</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>General Fund</td>
<td>20</td>
<td>6,000</td>
<td>-</td>
<td>6,394</td>
<td>10,689</td>
<td>6,620</td>
<td>6,734</td>
<td>11,025</td>
<td>24,216</td>
</tr>
<tr>
<td>TOTAL</td>
<td></td>
<td>20</td>
<td>6,000</td>
<td>-</td>
<td>6,394</td>
<td>10,689</td>
<td>6,620</td>
<td>6,734</td>
<td>11,025</td>
<td>24,216</td>
</tr>
</tbody>
</table>

FY 2021-22 Funds to be reappropriated
PROJECT DESCRIPTION
This project reserves funding for capital maintenance and replacement of buildings, grounds, and facilities on the Almaden and Winfield campus, to provide a healthy and safe environment for staff and visitors.

PROJECT LOCATION
**SCHEDULE & STATUS**

Improvements will be managed on an as-needed basis throughout the year.

<table>
<thead>
<tr>
<th>Phase</th>
<th>Cost</th>
<th>FY 22</th>
<th>FY 23</th>
<th>FY 24</th>
<th>FY 25</th>
<th>FY 26</th>
<th>FY 27</th>
<th>FY 28</th>
<th>FY 29</th>
<th>FY 30</th>
<th>FY 31</th>
<th>FY 32</th>
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<tbody>
<tr>
<td>Plan</td>
<td>n/a</td>
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<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Design</td>
<td>n/a</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Construct</td>
<td>n/a</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Closeout</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**EXPENDITURE SCHEDULE**

(in thousands $)

<table>
<thead>
<tr>
<th>Project Description</th>
<th>Actuals Thru</th>
<th>Planned Expenditures</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Facility Management, Small Capital Improvements</td>
<td>n/a</td>
<td>4,000 4,000 4,000 4,000 4,000 4,000 4,000 16,000</td>
<td>40,000</td>
</tr>
<tr>
<td>with inflation</td>
<td>n/a</td>
<td>4,000 4,000 4,000 4,000 4,000 4,000 4,000 16,000</td>
<td>40,000</td>
</tr>
</tbody>
</table>

**FUNDING SCHEDULE**

(in thousands $)

<table>
<thead>
<tr>
<th>Project Description</th>
<th>Budget Thru</th>
<th>Adj. Budget</th>
<th>Est. Unspent</th>
<th>Planned Funding Requests</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Facility Management, Small Capital Improvements</td>
<td>n/a</td>
<td>4,000 0 4,000 4,000 4,000 4,000 4,000 16,000</td>
<td>40,000</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**FUNDING SOURCES**

(in thousands $)

<table>
<thead>
<tr>
<th>Source</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCVWD General Fund</td>
<td>40,000</td>
</tr>
<tr>
<td>Other Funding Source</td>
<td>0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>40,000</strong></td>
</tr>
</tbody>
</table>

**OPERATING COST IMPACTS**

The completion of this project is not anticipated to increase or decrease annual operating costs, as the project does not significantly alter the existing facilities or modes of operation.

**USEFUL LIFE:** Not Available
This project will provide security upgrades at Valley Water facilities

PROJECT DESCRIPTION
This project will significantly enhance overall security at Valley Water facilities by designing and installing a modern technical security system capable of meeting today’s security and investigative requirements in order to counter the security threats of theft, trespass and vandalism so that Valley Water can continue to meet its mission of providing Silicon Valley safe, clean water for a healthy life, environment, and economy.

PROJECT LOCATION
No map is provided for this project
## SCHEDULE & STATUS

**July 2022 to June 2028**

### EXPENDITURE SCHEDULE

<table>
<thead>
<tr>
<th>Project</th>
<th>FY 22</th>
<th>FY 23</th>
<th>FY 24</th>
<th>FY 25</th>
<th>FY 26</th>
<th>FY 27</th>
<th>Future</th>
</tr>
</thead>
<tbody>
<tr>
<td>60204022-Security Upgrades and Enhancements Project</td>
<td>0</td>
<td>0</td>
<td>314</td>
<td>300</td>
<td>300</td>
<td>6,000</td>
<td>6,800</td>
</tr>
</tbody>
</table>

Actuals include project expenditures, and encumbrances.

### FUNDING SCHEDULE

<table>
<thead>
<tr>
<th>Project</th>
<th>FY 21</th>
<th>FY 22</th>
<th>FY 23</th>
<th>FY 24</th>
<th>FY 25</th>
<th>FY 26</th>
<th>FY 27</th>
<th>Future</th>
</tr>
</thead>
<tbody>
<tr>
<td>60204022-Security Upgrades and Enhancements Project</td>
<td>0</td>
<td>0</td>
<td>314</td>
<td>328</td>
<td>338</td>
<td>349</td>
<td>7,025</td>
<td>8,216</td>
</tr>
</tbody>
</table>

Adjusted Budget includes adopted budget plus approved budget adjustments.

### FUNDING SOURCES

<table>
<thead>
<tr>
<th>Source</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCVWD General Fund</td>
<td>16,570</td>
</tr>
<tr>
<td>Other Funding Sources</td>
<td>0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>16,570</strong></td>
</tr>
</tbody>
</table>

### OPERATING COST IMPACTS

**TBD**

### USEFUL LIFE:

**TBD**
**PROJECT DESCRIPTION**

This project is a placeholder to plan, design, and construct future facilities or improvements to existing facilities. This project accomplishes the following objectives:

- Replace office space in the Maintenance Office Building to provide a safe and healthy work environment.
- Provide adequate and sufficient space to enable Valley Water to efficiently perform its core business.

**PROJECT LOCATION**
## SCHEDULE & STATUS
July 2014 to June 2026

### EXPENDITURE SCHEDULE
(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>Actuals Thru</th>
<th>Planned Expenditures</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>FY21</td>
<td>FY22 FY23 FY24 FY25 FY26 FY27 Future</td>
<td></td>
</tr>
<tr>
<td>60204032-Headquarters Operations Building</td>
<td>20</td>
<td>2,000 2,080 5,940 2,000 2,000 0 0</td>
<td>14,040</td>
</tr>
<tr>
<td>with inflation</td>
<td>20</td>
<td>2,000 2,080 6,361 2,282 2,385 0 0</td>
<td>15,128</td>
</tr>
</tbody>
</table>

Actuals include project expenditures, and encumbrances.

### FUNDING SCHEDULE
(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>Budget Thru</th>
<th>Adj. Budget</th>
<th>Est. Unspent</th>
<th>Planned Funding Requests</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>FY21 FY22</td>
<td>FY23 FY24</td>
<td>FY25 FY26 FY27 Future</td>
<td></td>
<td></td>
</tr>
<tr>
<td>60204032-Headquarters Operations Building</td>
<td>20 2,000 0 2,080 6,361 2,282 2,385 0 0</td>
<td></td>
<td></td>
<td>15,128</td>
<td></td>
</tr>
</tbody>
</table>

### FUNDING SOURCES
(in thousands $)

<table>
<thead>
<tr>
<th>Source</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCVWD General Fund</td>
<td>15,128</td>
</tr>
<tr>
<td>Other Funding Sources</td>
<td>0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>15,128</td>
</tr>
</tbody>
</table>

### OPERATING COST IMPACTS
Operating costs will be determined during the design phase.

### USEFUL LIFE:
Not Available
Information Technology
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INFORMATION TECHNOLOGY OVERVIEW

Valley Water relies on its software systems and technology infrastructure to help manage its core responsibilities of water supply, flood protection, and environmental stewardship. Recognizing the importance of Information Technology to its success, Valley Water created a new IT Strategic Plan in 2019. The strategy extends through 2024 and consists of 67 capital and non-capital projects focusing on the following critical pillars: Data and Analytics, Modernization, Partnership and Alignment, and Security.

In 2014, the Information Technology Capital Fund was created. It accounts for the costs to acquire, and install capital information technology projects with Valley Water-wide benefit. Projects include acquisition and replacement of computers, networks, and communications systems as well as major investments in enterprise software systems and cybersecurity.

Costs are billed to user departments as Intra-District Computer Equipment Charges. Billing rates will be set to smooth charges over time by recovering current costs and accumulating reserves for major planned future projects. Current year charges or a combination of current year charges and reserves may be used to fund authorized projects. The purpose of this fund is to provide adequate resources while avoiding peaks and valleys in charges to user departments.

Major Capital Improvements Identified in the CIP

- Data Consolidation
- Information Technology Disaster Recovery
- ERP System Implementation
- Software Upgrades & Enhancements
- WTP-WQL Network Equipment

CIP PLANNING PROCESS AND FINANCIAL ANALYSIS

The annual CIP Planning Process starts with collecting information on proposed new capital projects in July, followed by the validation of proposed new projects, preliminary scoping, review and financial analyses to produce a Draft CIP in February.

The Board then authorizes release of the Draft CIP to the public and local municipalities for review, conducts a public hearing, and approves the resolution to adopt the Final CIP in May.

Financial analysis of the Information Technology Capital Fund was conducted to determine if there are limitations to funding the planned capital projects.

Through the CIP Planning Process and financial analysis, it was determined that funding needs for approved Information Technology projects can be met.
Information Technology Capital Improvements

The following table is a project funding schedule for information technology capital improvements resulting from this year’s financial analysis. Detailed information for each project can be found in this document on the following pages in the order presented in this table. The chart also identifies partially funded projects and estimated unspent appropriation from FY 2021-22.

<table>
<thead>
<tr>
<th>Project Number</th>
<th>PROJECT NAME</th>
<th>Through FY21</th>
<th>FY22</th>
<th>FY22 Unspent</th>
<th>FY23</th>
<th>FY24</th>
<th>FY25</th>
<th>FY26</th>
<th>FY27</th>
<th>FY28-37</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>73274009</td>
<td>Data Consolidation</td>
<td>1,157</td>
<td>75</td>
<td>738</td>
<td>-</td>
<td>-</td>
<td>40</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>1,272</td>
</tr>
<tr>
<td>73274001</td>
<td>IT Disaster Recovery</td>
<td>2,396</td>
<td>206</td>
<td>81</td>
<td>-</td>
<td>3</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>2,605</td>
</tr>
<tr>
<td>73274002</td>
<td>ERP System Implementation</td>
<td>16,865</td>
<td>519</td>
<td>-</td>
<td>237</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>17,621</td>
</tr>
<tr>
<td>73274008</td>
<td>Software Upgrades &amp; Enhancements</td>
<td>4,055</td>
<td>345</td>
<td>-</td>
<td>1,234</td>
<td>1,258</td>
<td>1,104</td>
<td>741</td>
<td>2,015</td>
<td>3,236</td>
<td>13,988</td>
</tr>
<tr>
<td>73274012</td>
<td>Telephone System Voiceover IP</td>
<td>1,248</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>1,248</td>
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<tr>
<td>95274003</td>
<td>WTP-WQL Network Equipment</td>
<td>2,908</td>
<td>204</td>
<td>-</td>
<td>1,331</td>
<td>2,682</td>
<td>763</td>
<td>274</td>
<td>130</td>
<td>3,009</td>
<td>11,301</td>
</tr>
<tr>
<td></td>
<td>TOTAL</td>
<td>28,629</td>
<td>1,349</td>
<td>819</td>
<td>2,802</td>
<td>3,943</td>
<td>1,907</td>
<td>1,015</td>
<td>2,145</td>
<td>6,245</td>
<td>48,035</td>
</tr>
</tbody>
</table>

The following table shows funding requirements from each funding source for information technology capital improvements.

Information Technology - Funding Sources ($K)

<table>
<thead>
<tr>
<th>Fund Number</th>
<th>FUND NAME</th>
<th>Through FY21</th>
<th>FY22</th>
<th>FY22 Unspent</th>
<th>FY23</th>
<th>FY24</th>
<th>FY25</th>
<th>FY26</th>
<th>FY27</th>
<th>FY28-37</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>61</td>
<td>Water Utility Enterprise Fund</td>
<td>2,908</td>
<td>204</td>
<td>-</td>
<td>1,331</td>
<td>2,682</td>
<td>763</td>
<td>274</td>
<td>130</td>
<td>3,009</td>
<td>11,301</td>
</tr>
<tr>
<td>73</td>
<td>Information Technology Fund</td>
<td>25,721</td>
<td>1,145</td>
<td>819</td>
<td>1,471</td>
<td>1,261</td>
<td>1,144</td>
<td>741</td>
<td>2,015</td>
<td>3,236</td>
<td>37,933</td>
</tr>
<tr>
<td></td>
<td>TOTAL</td>
<td>28,629</td>
<td>1,349</td>
<td>819</td>
<td>2,802</td>
<td>3,943</td>
<td>1,907</td>
<td>1,015</td>
<td>2,145</td>
<td>6,245</td>
<td>49,234</td>
</tr>
</tbody>
</table>

FY 2021-22 Funds to be reappropriated
Data consolidation will reduce Valley Water’s data footprint

PROJECT DESCRIPTION
This project plans, designs, and implements improvements to Data management to accomplish the following objectives:

- Implement an enterprise content management (ECM) system with strong business intelligence.
- Move from an applications-centric model to a data-centric model, thereby removing silos of data stores.
- Manage data as a strategic core asset, with ongoing process and management control for data analytics.
- Provide and gain rapid insights using data analytics to solve complex business problems.
- Reduce the overall data footprint.

PROJECT LOCATION
No Map is provided for this project
### EXPENDITURE SCHEDULE
(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>Actuals Thru</th>
<th>Planned Expenditures</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>FY21</td>
<td>FY22</td>
<td>FY23</td>
</tr>
<tr>
<td>73274009-Data Consolidation</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>with inflation</td>
<td>194</td>
<td>300</td>
<td>362</td>
</tr>
<tr>
<td></td>
<td>194</td>
<td>300</td>
<td>362</td>
</tr>
</tbody>
</table>

Actuals include project expenditures, and encumbrances.

### FUNDING SCHEDULE
(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>Budget Thru</th>
<th>Adj. Budget</th>
<th>Est. Unspent</th>
<th>Planned Funding Requests</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>FY21</td>
<td>FY22</td>
<td>FY23</td>
<td>FY24</td>
<td>FY25</td>
</tr>
<tr>
<td>73274009-Data Consolidation</td>
<td>1,157</td>
<td>75</td>
<td>738</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

Adjusted Budget includes adopted budget plus approved budget adjustments.

### FUNDING SOURCES
(in thousands $)

<table>
<thead>
<tr>
<th>Source</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCVWD Information Technology Fund</td>
<td>1,272</td>
</tr>
<tr>
<td>Other Funding Sources</td>
<td>0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>1,272</strong></td>
</tr>
</tbody>
</table>

### OPERATING COST IMPACTS
The enterprise content management system will require a software license agreement at an approximate cost of $100,000 per year. The cost is including in the Software Maintenance and Licenses project. Any future upgrade costs would be budgeted in the Information Technology Fund.

### USEFUL LIFE:
3-5 Years
### PROJECT DESCRIPTION

This project plans, designs, and implements improvements to Information Technology to accomplish the following objectives:

- Enable coordinated, rapid recovery from a disaster.
- Reduce Valley Water's business risk exposure.

### PROJECT LOCATION

No Map is provided for this project
**SCHEDULE & STATUS**  
July 2014 to June 2024

<table>
<thead>
<tr>
<th>Phase</th>
<th>Cost</th>
<th>FY 22</th>
<th>FY 23</th>
<th>FY 24</th>
<th>FY 25</th>
<th>FY 26</th>
<th>FY 27</th>
<th>FY 28</th>
<th>FY 29</th>
<th>FY 30</th>
<th>FY 31</th>
<th>FY 32</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plan</td>
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<td></td>
</tr>
<tr>
<td>Construct</td>
<td>2,576</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Closeout</td>
<td>-</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2,602</td>
</tr>
</tbody>
</table>

**EXPENDITURE SCHEDULE**  
(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>Actuals Thru</th>
<th>Planned Expenditures</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>73274001-Information Technology Disaster</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Recovery</td>
<td>684</td>
<td>1,837</td>
<td>2,602</td>
</tr>
<tr>
<td>with inflation</td>
<td>684</td>
<td>1,837</td>
<td>2,605</td>
</tr>
</tbody>
</table>

**FUNDING SCHEDULE**  
(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>Budget Thru</th>
<th>Adj. Budget</th>
<th>Est. Unspent</th>
<th>Planned Funding Requests</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>73274001-Information Technology Disaster</td>
<td>2,396</td>
<td>206</td>
<td>81</td>
<td>0</td>
<td>2,605</td>
</tr>
<tr>
<td>Recovery</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>with inflation</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**FUNDING SOURCES**  
(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCVWD Information Technology Fund</td>
<td>2,605</td>
</tr>
<tr>
<td>Other Funding Sources</td>
<td>0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>2,605</td>
</tr>
</tbody>
</table>

**OPERATING COST IMPACTS**

Ongoing annual costs will be determined at the completion of construction, and will be based on implemented solutions.

**USEFUL LIFE:**  
Not Available
PROJECT DESCRIPTION
This project selects and implements a new cloud-based, integrated, proven and state-of-the-art Enterprise Resource Planning (ERP) system to replace the current out-of-date ERP application. Below are the objectives:

- Provide up-to-date functionalities for Finance, HR, Payroll, Contract, Procurement, Inventory, and Warehouse areas, and reengineer business processes to ensure that Valley Water takes full advantage of the software’s inherent capabilities.
- Increase operational effectiveness, reduce costs and improve management decision-making processes by increasing the ability to access and analyze data.
- Leverage a cloud platform to improve the availability of Financials, Supply Chain, Human Resources, and Payroll
- Minimize customizations and adopt best standard business practices during implementation.

PROJECT LOCATION
### EXPENDITURE SCHEDULE

(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>FY21</th>
<th>FY22</th>
<th>FY23</th>
<th>FY24</th>
<th>FY25</th>
<th>FY26</th>
<th>FY27</th>
<th>Future</th>
</tr>
</thead>
<tbody>
<tr>
<td>60274062-ERP System Implementation</td>
<td>1,199</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1,199</td>
</tr>
<tr>
<td>with inflation</td>
<td>1,199</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1,199</td>
</tr>
<tr>
<td>73274002-ERP System Implementation</td>
<td>15,104</td>
<td>2,280</td>
<td>237</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>17,621</td>
</tr>
<tr>
<td>with inflation</td>
<td>15,104</td>
<td>2,280</td>
<td>237</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>17,621</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>16,303</td>
<td>2,280</td>
<td>237</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>18,820</td>
</tr>
<tr>
<td>with inflation</td>
<td>16,303</td>
<td>2,280</td>
<td>237</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>18,820</td>
</tr>
</tbody>
</table>

### FUNDING SCHEDULE

(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>FY21</th>
<th>FY22</th>
<th>FY23</th>
<th>FY24</th>
<th>FY25</th>
<th>FY26</th>
<th>FY27</th>
<th>Future</th>
</tr>
</thead>
<tbody>
<tr>
<td>60274062-ERP System Implementation</td>
<td>1,199</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
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<td>1,199</td>
</tr>
<tr>
<td>73274002-ERP System Implementation</td>
<td>16,865</td>
<td>519</td>
<td>0</td>
<td>237</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>17,621</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>18,064</td>
<td>519</td>
<td>0</td>
<td>237</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>18,820</td>
</tr>
</tbody>
</table>

Adjusted Budget includes adopted budget plus approved budget adjustments.

### FUNDING SOURCES

(in thousands $)

<table>
<thead>
<tr>
<th>Budget Source</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCVWD General Fund</td>
<td>1,199</td>
</tr>
<tr>
<td>SCVWD Information Technology Fund</td>
<td>17,621</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>18,820</td>
</tr>
</tbody>
</table>

### OPERATING COST IMPACTS

Upon completion of this project, one additional full-time employee will be required within the Software Services Unit for expanded technical support of the new system modules and features, and to continue with operational refinements, enhancements, integrations, report development.

### USEFUL LIFE:

5 Years
Existing systems will be upgraded and enhanced

PROJECT DESCRIPTION
This project provides upgrade and enhancement services to existing Valley Water systems, including the enterprise resource planning system, geographic information system, enterprise asset management software Maximo, the Oracle database management system, internal and external Valley Water websites, and related databases. Previously, software upgrades were budgeted to their individual respective maintenance and support projects. This new project aims to consolidate activities into a single project for better organization, planning and budgeting purposes.

The objective of this project is to regularly upgrade existing software packages to:

- Stay in compliance and reduce risks associated with being on a version that is no longer supported.
- Leverage new functionalities of up-to-date software.

PROJECT LOCATION
No Map is provided for this project.
SCHEDULE & STATUS
July 2015 to June 2032

<table>
<thead>
<tr>
<th>Phase</th>
<th>Cost (in thousands $)</th>
<th>FY22</th>
<th>FY23</th>
<th>FY24</th>
<th>FY25</th>
<th>FY26</th>
<th>FY27</th>
<th>FY28</th>
<th>FY29</th>
<th>FY30</th>
<th>FY31</th>
<th>FY32</th>
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<tbody>
<tr>
<td>Plan</td>
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<tr>
<td>Design</td>
<td>221</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Construct</td>
<td>10,610</td>
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<td></td>
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<tr>
<td>Closeout</td>
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<td></td>
<td></td>
<td></td>
<td>12,749</td>
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</table>

EXPENDITURE SCHEDULE
(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>Actuals Thru FY21</th>
<th>Planned Expenditures FY22</th>
<th>FY23</th>
<th>FY24</th>
<th>FY25</th>
<th>FY26</th>
<th>FY27</th>
<th>Future</th>
</tr>
</thead>
<tbody>
<tr>
<td>73274008-Software Upgrades &amp; Enhancements</td>
<td>2,237</td>
<td>2,163</td>
<td>1,234</td>
<td>1,180</td>
<td>1,005</td>
<td>655</td>
<td>1,730</td>
<td>2,545</td>
</tr>
<tr>
<td>with inflation</td>
<td>2,237</td>
<td>2,163</td>
<td>1,234</td>
<td>1,258</td>
<td>1,104</td>
<td>741</td>
<td>2,015</td>
<td>3,237</td>
</tr>
</tbody>
</table>

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE
(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>Budget Thru FY21</th>
<th>Adj. Budget FY22</th>
<th>Est. Unspent FY23</th>
<th>Planned Funding Requests FY24</th>
<th>FY25</th>
<th>FY26</th>
<th>FY27</th>
<th>Future</th>
</tr>
</thead>
<tbody>
<tr>
<td>73274008-Software Upgrades &amp; Enhancements</td>
<td>4,055</td>
<td>345</td>
<td>0</td>
<td>1,234</td>
<td>1,258</td>
<td>1,104</td>
<td>741</td>
<td>2,015</td>
</tr>
</tbody>
</table>

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES
(in thousands $)

<table>
<thead>
<tr>
<th>Source</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCVWD Information Technology Fund</td>
<td>13,989</td>
</tr>
<tr>
<td>Other Funding Sources</td>
<td>0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>13,989</strong></td>
</tr>
</tbody>
</table>

OPERATING COST IMPACTS
The completion of this project is not anticipated to increase or decrease annual operating costs, as the project does not significantly alter the existing facilities or modes of operation.

USEFUL LIFE: Not Available
The current Avaya Telephone System was first installed in the Administration Building in 1986

**PROJECT DESCRIPTION**

This project plans, designs, and constructs improvements to Valley Water's Telephone system to accomplish the following objective:

- Replace current Avaya digital phone stations with new Avaya voice over IP telephone stations.

**PROJECT LOCATION**

![Map of Project Location with Star Indicating Location](image-url)
**SCHEDULE & STATUS**

_July 2019 to December 2021_

<table>
<thead>
<tr>
<th>Phase</th>
<th>Cost</th>
<th>FY 22</th>
<th>FY 23</th>
<th>FY 24</th>
<th>FY 25</th>
<th>FY 26</th>
<th>FY 27</th>
<th>FY 28</th>
<th>FY 29</th>
<th>FY 30</th>
<th>FY 31</th>
<th>FY 32</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plan</td>
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<tr>
<td>Design</td>
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<tr>
<td>Closeout</td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**EXPENDITURE SCHEDULE**

_(in thousands $)_

<table>
<thead>
<tr>
<th>Project</th>
<th>Actuals Thru</th>
<th>Planned Expenditures</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>FY1</td>
<td>FY22</td>
<td>FY23</td>
</tr>
<tr>
<td>73274012-Telephone System Voice Over IP</td>
<td>311</td>
<td>937</td>
<td>0</td>
</tr>
<tr>
<td>with inflation</td>
<td>311</td>
<td>937</td>
<td>0</td>
</tr>
</tbody>
</table>

*Actuals include project expenditures, and encumbrances.*

**FUNDING SCHEDULE**

_(in thousands $)_

<table>
<thead>
<tr>
<th>Project</th>
<th>Budget Thru</th>
<th>Adj. Est. Uns.</th>
<th>Planned Funding Requests</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>FY21</td>
<td>FY22</td>
<td>FY23</td>
<td>FY24</td>
</tr>
<tr>
<td>73274012-Telephone System Voice Over IP</td>
<td>1,248</td>
<td>0</td>
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<td>0</td>
</tr>
</tbody>
</table>

*Adjusted Budget includes adopted budget plus approved budget adjustments.*

**FUNDING SOURCES**

_(in thousands $)_

<table>
<thead>
<tr>
<th>Source</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCVWD Information Technology Fund</td>
<td>1,248</td>
</tr>
<tr>
<td>Other Funding Sources</td>
<td>0</td>
</tr>
</tbody>
</table>

*Total 1,248*

**OPERATING COST IMPACTS**

_N/A_

**USEFUL LIFE:** _7-10 Years_
PROJECT DESCRIPTION
This project plans, designs, and implements upgrades to the existing network to ensure that Valley Water has a current and robust computer network to accomplish the following objectives:

- Deliver greater access speeds.
- Restore vendor maintenance.
- Improve software application performance.
- Provide a path to meet future data communications needs.

PROJECT LOCATION

This project replaces and upgrades existing network structures.
EXPENDITURE SCHEDULE
(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>FY21</th>
<th>FY22</th>
<th>FY23</th>
<th>FY24</th>
<th>FY25</th>
<th>FY26</th>
<th>FY27</th>
<th>Future</th>
</tr>
</thead>
<tbody>
<tr>
<td>95274003-WTP-WQL Network Equipment</td>
<td>3,023</td>
<td>89</td>
<td>1,331</td>
<td>2,456</td>
<td>669</td>
<td>230</td>
<td>104</td>
<td>2,190</td>
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</tbody>
</table>

with inflation

<table>
<thead>
<tr>
<th>Planned Expenditures</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>FY21</td>
<td>3,023</td>
</tr>
<tr>
<td>FY22</td>
<td>89</td>
</tr>
<tr>
<td>FY23</td>
<td>1,331</td>
</tr>
<tr>
<td>FY24</td>
<td>2,456</td>
</tr>
<tr>
<td>FY25</td>
<td>669</td>
</tr>
<tr>
<td>FY26</td>
<td>230</td>
</tr>
<tr>
<td>FY27</td>
<td>104</td>
</tr>
<tr>
<td>Future</td>
<td>2,190</td>
</tr>
<tr>
<td>Total</td>
<td>10,092</td>
</tr>
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</table>

FUNDING SCHEDULE
(in thousands $)

<table>
<thead>
<tr>
<th>Project</th>
<th>FY21</th>
<th>FY22</th>
<th>FY23</th>
<th>FY24</th>
<th>FY25</th>
<th>FY26</th>
<th>FY27</th>
<th>Future</th>
</tr>
</thead>
<tbody>
<tr>
<td>95274003-WTP-WQL Network Equipment</td>
<td>2,908</td>
<td>204</td>
<td>0</td>
<td>1,331</td>
<td>2,456</td>
<td>669</td>
<td>230</td>
<td>104</td>
</tr>
</tbody>
</table>

FUNDING SOURCES
(in thousands $)

| SCVWD Water Utility Enterprise Fund | 11,302 |
| Other Funding Sources              | 0      |
| Total                               | 11,302 |

OPERATING COST IMPACTS
Upon completion of this project operating costs are anticipated to increase by $37,000 beginning in FY33 with an increase of 3% each year after that to pay for hardware maintenance agreements.

USEFUL LIFE: 10 Years
Financial Planning
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CIP FINANCIAL PLANNING

Board policy regarding financial planning and budgeting provides the foundation for CIP financial planning. The policy states:

Executive Limitation EL-4, “Financial planning for any fiscal year shall be aligned with the Board’s Ends, not risk fiscal jeopardy, and be derived from a multi-year plan.”

Executive Limitation EL-4.3, “A BAO shall include credible projection of revenues and expenses, separation of capital and operational items, cash flow, staffing needs, external services, and disclosure of planning assumptions.”

Executive Limitation EL-4.4, “A BAO shall plan the expenditure in any budget period within the funds that are conservatively projected to be received or appropriated from reserves in that period.”

KEY REVENUES SOURCES

Water Charges

• Water charges include a ground water production charge, which is equivalent to the basic user charge, and is associated with the benefit of managing groundwater supplies. The groundwater charge is applied to water extracted from the groundwater basin in Zones W-2, W-5, W-7 and W-8. The basic user charge is applied to other types of water delivered by Valley Water. There are two rates: one for agricultural water and one for municipal and industrial water.

• A treated water surcharge, which is associated with the benefit of receiving treated water, is levied in addition to the basic user charge on water delivered from Valley Water’s water treatment plants.

Property Tax

Santa Clara County allocates property tax revenue to Valley Water from ad valorem taxes levied on land within the county.

Special Parcel Tax

In November 2020, voters in Santa Clara County overwhelmingly approved Measure S, a renewal of Valley Water’s Safe, Clean Water and Natural Flood Protection Program (Safe, Clean Water Program) which was originally approved in 2012 (2012 Safe, Clean Water Program). The measure needed 66.67% to pass and garnered more than 75% of votes at the November 2020 election. The renewed Safe, Clean Water Program identifies six key community priorities, established in collaboration with tens of thousands of residents and stakeholders. The renewed Safe, Clean Water program became effective in Fiscal Year 2021-2022 (FY22), starting on July 1, 2021, following the conclusion of the 2012 Safe, Clean Water Program in FY21. The renewed Safe, Clean Water Program parcel tax will provide approximately $826 million in the first 15 years of the program.

Benefit Assessments

Benefit assessment revenue consists of levies approved by voters in 1986 and 1990 to support financing for flood control capital improvements. The ongoing budget amount is approximately 1.25 times the duly authorized annual debt service requirements for each watershed.

Capital Reimbursements

Capital reimbursement revenues are from local, state and federal partners for capital projects carried on cooperatively by Valley Water and its partners. Valley Water fronts the partners’ shares of capital expenditures and receives reimbursements from the partners at a later time.

Interest

Interest is earned from Valley Water’s investment portfolio.
Valley Water Fund Structure

Valley Water’s revenue sources are organized into eight funds. Each fund has specific revenue sources according to their intended purposes, and each fund is an independent accounting entity with a self-balancing set of accounts comprised of its assets, liabilities, fund equity, revenue, and expenditures or expenses, as appropriate.

### Governmental Fund Type

- **General Fund**
  - Water Utility Enterprise
  - Watershed Stream Stewardship
  - Safe, Clean Water and Natural Flood Protection Fund
  - Benefit Assessment Fund

### Proprietary Fund Type

- **Enterprise Fund**
  - Used to account for operations that are financed and operated in a manner similar to private business enterprises, where the intent of the governing body is that the costs (including depreciation) of providing goods or services to the general public on a continuing basis be financed or recovered primarily through water charges.

- **Internal Service Funds**
  - Used to account for the financing of goods or services provided by one department or agency of Valley Water to other departments or agencies on a cost-reimbursement basis.

### Special Revenue Funds

- Benefit Assessment Fund
  - Lower Peninsula Watershed
  - West Valley Watershed
  - Guadalupe Watershed
  - Coyote Watershed
  - Uvas/Llagas Watershed

### Revenue by Fund ($K)

<table>
<thead>
<tr>
<th>FUND NAME</th>
<th>FY21 Actual</th>
<th>FY22 Adopted</th>
<th>FY23</th>
<th>FY24</th>
<th>FY25</th>
<th>FY26</th>
<th>FY27</th>
<th>FY28</th>
<th>FY29</th>
<th>FY30</th>
<th>FY31</th>
<th>FY32</th>
</tr>
</thead>
<tbody>
<tr>
<td>Watershed Stream Stewardship</td>
<td>107,677</td>
<td>123,410</td>
<td>130,626</td>
<td>134,405</td>
<td>138,426</td>
<td>131,672</td>
<td>135,764</td>
<td>130,233</td>
<td>139,192</td>
<td>139,785</td>
<td>145,864</td>
<td>150,937</td>
</tr>
<tr>
<td>Safe, Clean Water and Natural Flood Protection Fund</td>
<td>56,888</td>
<td>56,226</td>
<td>141,171</td>
<td>70,340</td>
<td>55,900</td>
<td>53,493</td>
<td>54,147</td>
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<td>55,732</td>
<td>56,782</td>
<td>57,975</td>
<td>59,366</td>
</tr>
<tr>
<td>Benefit Assessment Fund</td>
<td>12,369</td>
<td>13,454</td>
<td>13,232</td>
<td>6,892</td>
<td>6,850</td>
<td>6,855</td>
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<td>6,856</td>
<td>6,854</td>
<td>-</td>
<td>-</td>
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</tr>
<tr>
<td>General</td>
<td>9,962</td>
<td>9,963</td>
<td>10,340</td>
<td>10,698</td>
<td>11,068</td>
<td>11,451</td>
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<td>12,288</td>
<td>12,713</td>
<td>13,090</td>
<td>13,508</td>
<td>13,908</td>
</tr>
<tr>
<td>Internal Service</td>
<td>634</td>
<td>358</td>
<td>396</td>
<td>405</td>
<td>423</td>
<td>443</td>
<td>463</td>
<td>485</td>
<td>507</td>
<td>542</td>
<td>579</td>
<td>597</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>524,563</strong></td>
<td><strong>539,369</strong></td>
<td><strong>611,445</strong></td>
<td><strong>602,418</strong></td>
<td><strong>700,123</strong></td>
<td><strong>775,363</strong></td>
<td><strong>1,011,783</strong></td>
<td><strong>1,053,919</strong></td>
<td><strong>917,155</strong></td>
<td><strong>963,441</strong></td>
<td><strong>1,005,390</strong></td>
<td><strong>1,056,084</strong></td>
</tr>
</tbody>
</table>

**Note:** Internal Service is the combination of the Fleet Management, Information Technology Fund, and Risk Funds.
### Revenue Projections
Valley Water regularly updates the projected revenues based on the best information available.

- Revenues from water charges are estimated based on projections of water demand for residential, commercial, industrial, and agricultural consumption combined with rates per acre-foot. Rates are set at a level that will provide revenue needed to meet operating and capital needs.

- Revenues from property taxes, special parcel taxes, and benefit assessments are estimated based on projection of growth in assessed value and number of developed parcels in Santa Clara County.

- Interest earnings are estimated based on the projected average cash balances during the fiscal year and expected yield from Valley Water’s investment portfolio.

- Revenue from capital partnerships are estimated based on the terms of agreements executed by Valley Water and its partners.

### Expenditure Projections
Valley Water regularly updates operations and capital expenditures based on the best information available.

Each capital project cost estimate includes the yearly expenditures through completion based on the project’s scope and schedule. The expenditures are monitored regularly and updated when necessary, for example, when there are any changes to a project’s scope or schedule. A management review process is enforced to ensure only justified expenditure changes are approved.

Operations cost projections for the next 15 years are updated annually and are based on assumptions derived from Valley Water’s strategic plans, including the impact of completed capital projects. Capital and operations expenditure projections are the foundation for the development of Valley Water’s budget.

### Financial Analysis
Valley Water regularly performs financial analysis to comply with the Board’s Financial Planning/Budgeting Policy. Valley Water uses sophisticated financial models to perform the analysis for each fund. The projected operation expenditures, capital expenditures, and revenues for the next ten years are incorporated into the financial models to analyze the health of each fund under various economic scenarios. This process assures that funds will be available when needed to implement the CIP.

The financial analysis generates alternatives for funding capital projects based on the available yearly revenues from all sources allocated to the capital program, and the debt financing capacity of each fund. The financial analysis establishes the parameters within which the capital project schedule is developed.

### Debt Projections and Debt Ratios
Debt is managed at Valley Water depending on the type of business involved. The SCW program approved by the voters in 2012 and 2020 includes the authority to issue debt against future revenue in order to accelerate completion of projects sooner. Debt service on outstanding benefit assessment debt is funded by benefit assessments levied on property owners in the county.

The water utility business, on the other hand, uses a combination of short-term and long-term debt financing in conjunction with pay-as-you-go financing to lessen impacts to the water rates caused by fluctuations in capital funding needs. In the 1984 general election, Measure B was passed by the voters, which gave Valley Water’s Water Utility Enterprise the authority to issue bonds on an “as required” basis. Debt service on outstanding debt is paid from water revenues. Bond covenants stipulate that Valley Water must maintain a 1.25 debt coverage ratio on all parity bonds. The long-term financial analysis targets a debt coverage ratio of 2.0, which helps establish the parameters for capital planning that ensure bond covenants will be met.

Valley Water currently enjoys credit ratings that are among the highest for a water-related government entity in the state of California, which helps keep interest costs borne by Valley Water at a minimum.
Financial Planning and Summary

Relationship between the Operating Budget and CIP
Whenever Valley Water commits to capital improvements, there is a potential for associated long-range commitments of operating funds. For example, if 20-year bonds are issued to finance capital needs, then the operating funds will need to budget debt service payments for the next two decades. For this reason, it is important to evaluate capital commitments in the context of their long-range operating impact.

In addition to the long-range debt service payments, some capital projects affect future operating budgets either positively or negatively due to an increase or decrease in maintenance and operation costs. Such impacts vary widely from project to project and are evaluated individually during the project development stage. Valley Water is committing to a potential change in the operating budget when a capital project is approved.

The projected debt service payments and the positive or negative operating budget impacts are important factors considered in Valley Water’s financial analysis.

This chart identifies the operating budget impacts to each fund from projected debt service payments. The debt service payment in the Watershed Stream Stewardship Fund is a total of payments associated with each individual watershed.

<table>
<thead>
<tr>
<th>Debt Payment Schedule ($K)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FUND NAME</strong></td>
</tr>
<tr>
<td>General</td>
</tr>
<tr>
<td>Benefit Assessment</td>
</tr>
<tr>
<td>Safe, Clean Water and Natural Flood Protection</td>
</tr>
<tr>
<td>Water Utility Enterprise</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
</tr>
</tbody>
</table>

This chart identifies the net operating budget impacts to each fund resulting from annual maintenance and/or operating costs for newly completed capital projects. Additional information regarding operating impacts related to individual projects can be found on the project pages.

<table>
<thead>
<tr>
<th>Estimated Operating Impacts ($K)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fund</strong></td>
</tr>
<tr>
<td>General Fund</td>
</tr>
<tr>
<td>Watershed Stream Stewardship Fund</td>
</tr>
<tr>
<td>Safe, Clean Water and Natural Flood Protection Fund</td>
</tr>
<tr>
<td>Water Utility Enterprise Fund</td>
</tr>
<tr>
<td>Information Technology Fund</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
</tr>
</tbody>
</table>
CIP FUNDING SUMMARY

Of the $8.273 billion in total Valley Water funding for current and future projects, the Board appropriated $2.192 billion in prior years through June 30, 2022 (the end of fiscal year 2021-22). This year’s CIP process identified additional funding needs of $6.079 billion to complete the projects in the CIP, with $450 million allocated in fiscal year 2022-23 and a total of $5.629 billion proposed for future years.

The needed $8.273 billion to implement the 64 capital projects as defined in the CIP are funded by five of Valley Water’s funds.

This chart shows the funding schedule for the $8.273 billion to implement the 64 capital projects.
## CIP Project Funding Schedule for Water Utility Enterprise Fund ($K)

<table>
<thead>
<tr>
<th>PROJECT NAME</th>
<th>Through FY21</th>
<th>FY22 Unspent</th>
<th>FY23</th>
<th>FY24</th>
<th>FY25</th>
<th>FY26</th>
<th>FY27</th>
<th>FY28-37</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Almaden Dam Improvements</td>
<td>14,772</td>
<td>558</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>271</td>
<td>436</td>
<td>49,234</td>
<td>64,713</td>
</tr>
<tr>
<td>Anderson Dam Seismic Retrofit (C1)</td>
<td>107,049</td>
<td>127,368</td>
<td>1</td>
<td>167,485</td>
<td>122,267</td>
<td>95,435</td>
<td>88,877</td>
<td>89,632</td>
<td>438,025</td>
</tr>
<tr>
<td>Calero and Guadalupe Dams Seismic Retrofits</td>
<td>34,712</td>
<td>1,970</td>
<td>4,338</td>
<td>-</td>
<td>1,038</td>
<td>12,806</td>
<td>25,538</td>
<td>25,699</td>
<td>152,329</td>
</tr>
<tr>
<td>Coyote Pumping Plant ASD Replacement</td>
<td>4,368</td>
<td>-</td>
<td>382</td>
<td>9,294</td>
<td>12,532</td>
<td>1,068</td>
<td>78</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Coyote Warehouse</td>
<td>9,645</td>
<td>73</td>
<td>126</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>9,844</td>
</tr>
<tr>
<td>Dam Seismic Stability Evaluation</td>
<td>22,588</td>
<td>65</td>
<td>418</td>
<td>437</td>
<td>5,649</td>
<td>417</td>
<td>436</td>
<td>932</td>
<td>30,942</td>
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<tr>
<td>Small Capital Improvements, San Felipe Reach 1-3</td>
<td>n/a</td>
<td>4,517</td>
<td>-</td>
<td>2,532</td>
<td>2,251</td>
<td>996</td>
<td>107</td>
<td>3,778</td>
<td>78,770</td>
</tr>
<tr>
<td>Pacheco Reservoir Expansion Project (A1)</td>
<td>80,276</td>
<td>8,450</td>
<td>410</td>
<td>30,794</td>
<td>43,903</td>
<td>320,145</td>
<td>268,295</td>
<td>1,458,769</td>
<td>2,461,653</td>
</tr>
<tr>
<td>10-Year Pipeline Rehabilitation (FY18-FY27)</td>
<td>72,234</td>
<td>16,243</td>
<td>4,151</td>
<td>14,176</td>
<td>20,782</td>
<td>8,754</td>
<td>7,683</td>
<td>181</td>
<td>-</td>
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<tr>
<td>Almaden Valley Pipeline Replacement Project</td>
<td>668</td>
<td>841</td>
<td>915</td>
<td>79</td>
<td>1,566</td>
<td>2,659</td>
<td>2,164</td>
<td>2,915</td>
<td>99,707</td>
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<tr>
<td>Distribution Systems Implementation Project</td>
<td>2,383</td>
<td>2,905</td>
<td>-</td>
<td>732</td>
<td>2,024</td>
<td>913</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>FAHCE Implementation</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>4,739</td>
<td>4,379</td>
<td>14,691</td>
<td>121,299</td>
<td>145,108</td>
</tr>
<tr>
<td>Pacheco/Santa Clara Conduit Right of Way</td>
<td>3,334</td>
<td>1,659</td>
<td>1,453</td>
<td>847</td>
<td>311</td>
<td>-</td>
<td>-</td>
<td>-</td>
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</tr>
<tr>
<td>SCADA Implementation Project</td>
<td>1,365</td>
<td>2,384</td>
<td>1,255</td>
<td>1,571</td>
<td>1,150</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Small Capital Improvements, Raw Water Transmission</td>
<td>n/a</td>
<td>2,572</td>
<td>-</td>
<td>1,010</td>
<td>1,303</td>
<td>4,607</td>
<td>239</td>
<td>-</td>
<td>3,408</td>
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<tr>
<td>Small Capital Improvements, Treated Water Transmission</td>
<td>n/a</td>
<td>131</td>
<td>-</td>
<td>302</td>
<td>302</td>
<td>114</td>
<td>50</td>
<td>-</td>
<td>306</td>
</tr>
<tr>
<td>Treated Water Isolation Valves</td>
<td>1,271</td>
<td>-</td>
<td>254</td>
<td>-</td>
<td>-</td>
<td>496</td>
<td>2,110</td>
<td>1,922</td>
<td>599</td>
</tr>
<tr>
<td>Vasona Pump Station Upgrade</td>
<td>3,113</td>
<td>715</td>
<td>1,465</td>
<td>922</td>
<td>16,963</td>
<td>555</td>
<td>-</td>
<td>-</td>
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</tr>
<tr>
<td>PWTP Residuals Management</td>
<td>683</td>
<td>1,593</td>
<td>-</td>
<td>1,857</td>
<td>1,555</td>
<td>9,802</td>
<td>18,254</td>
<td>9,300</td>
<td>-</td>
</tr>
<tr>
<td>RWTP Residuals Remediation</td>
<td>56,484</td>
<td>5,351</td>
<td>5,011</td>
<td>18,397</td>
<td>191</td>
<td>-</td>
<td>-</td>
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<td>-</td>
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<tr>
<td>RWTP Reliability Improvement</td>
<td>251,869</td>
<td>20,617</td>
<td>8,304</td>
<td>6,036</td>
<td>55,706</td>
<td>56,219</td>
<td>56,752</td>
<td>14,476</td>
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<tr>
<td>RWTP Treated Water Valves Upgrade</td>
<td>8,626</td>
<td>4</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Small Capital Improvements, Water Treatment</td>
<td>-</td>
<td>10,911</td>
<td>-</td>
<td>4,612</td>
<td>6,885</td>
<td>3,204</td>
<td>3,403</td>
<td>5,316</td>
<td>19,331</td>
</tr>
<tr>
<td>STWTP Filter Media Replacement Project</td>
<td>647</td>
<td>2,813</td>
<td>1,052</td>
<td>6,070</td>
<td>5,280</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Water Treatment Plant Electrical Improvement Project</td>
<td>642</td>
<td>884</td>
<td>-</td>
<td>2,412</td>
<td>5,695</td>
<td>1,993</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>WTP Implementation Project</td>
<td>1,384</td>
<td>3,278</td>
<td>-</td>
<td>732</td>
<td>3,197</td>
<td>856</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Expedited Purified Water Program (EPWP)</td>
<td>27,109</td>
<td>2,949</td>
<td>-</td>
<td>33,700</td>
<td>35,384</td>
<td>170,853</td>
<td>153,454</td>
<td>151,338</td>
<td>156,193</td>
</tr>
<tr>
<td>Land Rights - South County Recycled Water PL</td>
<td>203</td>
<td>350</td>
<td>-</td>
<td>3,260</td>
<td>3,451</td>
<td>-</td>
<td>-</td>
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<td>-</td>
</tr>
<tr>
<td>South County Recycled Water Pipeline</td>
<td>36,805</td>
<td>15,310</td>
<td>8,756</td>
<td>7,703</td>
<td>425</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>FAHCE Stevens Creek Fish Passage Enhancement - 90%</td>
<td>765</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>1,620</td>
<td>2,659</td>
<td>41</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

**FY 2021-22 Funds to be reappropriated**
## CIP Project Funding Schedule for Water Utility Enterprise Fund ($K) continued

<table>
<thead>
<tr>
<th>PROJECT NAME</th>
<th>Through FY21</th>
<th>FY22 Uns pent</th>
<th>FY23</th>
<th>FY24</th>
<th>FY25</th>
<th>FY26</th>
<th>FY27</th>
<th>FY28-37</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Project 1 Design &amp; Construction (e.g. Metcalf Ponds)</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>2,090</td>
<td>2,184</td>
<td>2,282</td>
<td>13,101</td>
<td>19,657</td>
</tr>
<tr>
<td>Project 2 Construction (e.g. Ogier Ponds)</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>28,293</td>
<td>28,293</td>
</tr>
<tr>
<td>WTP-WQL Network Equipment</td>
<td>2,908</td>
<td>204</td>
<td>1,331</td>
<td>2,682</td>
<td>763</td>
<td>274</td>
<td>130</td>
<td>3,009</td>
<td>11,301</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>745,913</strong></td>
<td><strong>217,257</strong></td>
<td><strong>38,795</strong></td>
<td><strong>316,398</strong></td>
<td><strong>347,776</strong></td>
<td><strong>655,726</strong></td>
<td><strong>688,850</strong></td>
<td><strong>589,545</strong></td>
<td><strong>2,610,629</strong></td>
</tr>
</tbody>
</table>

FY 2021-22 Funds to be reappropriated
## CIP Project Funding Schedule for Watershed and Stream Stewardship Fund ($K)

<table>
<thead>
<tr>
<th>PROJECT NAME</th>
<th>FY21 Through (Unspent) FY22</th>
<th>FY22</th>
<th>FY23</th>
<th>FY24</th>
<th>FY25</th>
<th>FY26</th>
<th>FY27</th>
<th>FY28-37</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Palo Alto Flood Basin Tide Gate Structure Improvements</td>
<td>4,476</td>
<td>3,061</td>
<td>2,369</td>
<td>-</td>
<td>9,172</td>
<td>8,752</td>
<td>8,867</td>
<td>5,005</td>
<td>-</td>
</tr>
<tr>
<td>Permanente Creek, SF Bay to Foothill Expressway</td>
<td>17,363</td>
<td>450</td>
<td>-</td>
<td>337</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>San Francisco Creek, SF Bay thru Searsville Dam</td>
<td>4,064</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>San Francisco Creek, Early Implementation</td>
<td>1,614</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Guadalupe River Tasman Dr - I-880</td>
<td>2,918</td>
<td>2,695</td>
<td>1,631</td>
<td>-</td>
<td>1,575</td>
<td>1,229</td>
<td>30,773</td>
<td>29,934</td>
<td>30,046</td>
</tr>
<tr>
<td>Berryessa Ck, Lower Penitencia Ck to Calaveras Blvd Phs 1</td>
<td>50,191</td>
<td>-</td>
<td>3,261</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Berryessa Ck, Lower Penitencia Ck to Calaveras Blvd Phs 2</td>
<td>72,791</td>
<td>12,789</td>
<td>-</td>
<td>1,912</td>
<td>360</td>
<td>262</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Berryessa Ck, Lower Penitencia Ck to Calaveras Blvd Phs 3</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>2,015</td>
<td>2,024</td>
<td>61,331</td>
</tr>
<tr>
<td>Cunningham Flood Detention Certification</td>
<td>11,810</td>
<td>30</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Lower Penitencia Ck Improvements, Berryessa to Coyote Cks.</td>
<td>19,032</td>
<td>7,686</td>
<td>14</td>
<td>8,150</td>
<td>82</td>
<td>86</td>
<td>89</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Lower Silver Creek, I-680 to N. Babb Rd (Reach 4 Planning)</td>
<td>2,371</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Lower Silver Creek, I-680 to Cunningham (Reach 4-6)</td>
<td>97,173</td>
<td>26</td>
<td>-</td>
<td>52</td>
<td>-</td>
<td>-</td>
<td>-</td>
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<tr>
<td>Lower Silver Creek, I-680 to Cunningham, Reimburseable (Reach 4-6)</td>
<td>1,928</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Upper Penitencia Ck, Coyote Ck-Dorel Dr, Corps</td>
<td>9,467</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Upper Penitencia Ck, Coyote Ck-Dorel Dr, LERRDs</td>
<td>2,309</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Llagas Creek--Lower, Capacity Restoration, Buena Vista Road to Pajaro River</td>
<td>6,947</td>
<td>-</td>
<td>2,633</td>
<td>-</td>
<td>-</td>
<td>3,035</td>
<td>3,360</td>
<td>374</td>
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</tr>
<tr>
<td>San Francisco Bay Shoreline</td>
<td>60,986</td>
<td>21,632</td>
<td>2,325</td>
<td>15,892</td>
<td>17,739</td>
<td>114</td>
<td>119</td>
<td>-</td>
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<tr>
<td>San Francisco Bay Shoreline - Contribution</td>
<td>490</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Shoreline Early Implementation</td>
<td>359</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Watersheds Asset Rehabilitation Program</td>
<td>39,362</td>
<td>10,911</td>
<td>623</td>
<td>6,741</td>
<td>8,138</td>
<td>6,487</td>
<td>6,697</td>
<td>9,602</td>
<td>86,074</td>
</tr>
<tr>
<td>FAHCE Stevens Creek Fish Passage Enhancement - 10%</td>
<td>85</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>180</td>
<td>295</td>
<td>5</td>
<td>-</td>
</tr>
<tr>
<td>Stevens Creek Fish Barrier Removal - 100%</td>
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<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>543</td>
<td>3,427</td>
<td>3,540</td>
<td>5,724</td>
</tr>
<tr>
<td>Project 2 Construction (e.g. Ogier Ponds)</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Salt Ponds A5-11 Restoration</td>
<td>5,252</td>
<td>2,015</td>
<td>1</td>
<td>751</td>
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<td>1,592</td>
<td>1,033</td>
<td>161</td>
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<tr>
<td>Watershed Habitat Enhancement Studies</td>
<td>4,099</td>
<td>-</td>
<td>363</td>
<td>-</td>
<td>-</td>
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</tr>
</tbody>
</table>

**TOTAL** | **415,087** | **61,295** | **13,220** | **33,835** | **38,676** | **22,280** | **56,675** | **50,645** | **201,475** | **879,968**

*FY 2021-22 Funds to be reappropriated*
## Financial Planning and Summary

### Project Funding Schedule for Safe, Clean Water and Natural Flood Protection Fund ($K)

<table>
<thead>
<tr>
<th>PROJECT NAME</th>
<th>Through FY21</th>
<th>FY22</th>
<th>FY22 Unspent</th>
<th>FY23</th>
<th>FY24</th>
<th>FY25</th>
<th>FY26</th>
<th>FY27</th>
<th>FY28-37</th>
<th>TOTAL</th>
</tr>
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<tbody>
<tr>
<td>IRP2 Additional Line Valves (A3)</td>
<td>2,278</td>
<td>344</td>
<td>-</td>
<td>1,246</td>
<td>3,652</td>
<td>3,293</td>
<td>3,370</td>
<td>2,155</td>
<td>200</td>
<td>16,531</td>
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<tr>
<td>Permanente Creek, SF Bay to Foothill Expressway</td>
<td>94,918</td>
<td>-</td>
<td>885</td>
<td>-</td>
<td>56</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>94,974</td>
</tr>
<tr>
<td>San Francisco Creek, SF Bay thru Searsville Dam (E5)</td>
<td>6,782</td>
<td>(100)</td>
<td>77</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>6,882</td>
</tr>
<tr>
<td>San Francisco Creek - Construction, SF Bay to Middlefield Road (E5)</td>
<td>50,662</td>
<td>12,821</td>
<td>13,066</td>
<td>-</td>
<td>26,586</td>
<td>16,189</td>
<td>388</td>
<td>405</td>
<td>121</td>
<td>107,171</td>
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<tr>
<td>Sunnyvale East and West Channels (E2)</td>
<td>37,471</td>
<td>-</td>
<td>14,034</td>
<td>931</td>
<td>13,583</td>
<td>11,598</td>
<td>6,551</td>
<td>249</td>
<td>-</td>
<td>70,383</td>
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<tr>
<td>Guadalupe Rv–Upper, Fish Passage Mods</td>
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<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
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<td>-</td>
<td>2,651</td>
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<tr>
<td>Guadalupe Rv–Upper, I-280 to SPRR (Rch 6) (E8)</td>
<td>34,740</td>
<td>563</td>
<td>1</td>
<td>30</td>
<td>33</td>
<td>34</td>
<td>36</td>
<td>37</td>
<td>2,863</td>
<td>38,300</td>
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<tr>
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<td>-</td>
<td>20,134</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>18,349</td>
<td>106,185</td>
</tr>
<tr>
<td>Guadalupe Rv–Upper, Actuals chg to other proj numbers</td>
<td>7,887</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>7,887</td>
</tr>
<tr>
<td>Berryessa Ck, Calaveras-I-680 - Corps</td>
<td>35,594</td>
<td>-</td>
<td>11,670</td>
<td>-</td>
<td>769</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>36,363</td>
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<tr>
<td>Berryessa Ck, Calaveras-I-680 - Reimbursable</td>
<td>18,987</td>
<td>-</td>
<td>1,321</td>
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<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>18,987</td>
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<tr>
<td>Berryessa Ck, Lower Penitencia Ck to Calaveras Blvd Phs 3 (Design and Planning) (E3)</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>8,906</td>
<td>8,906</td>
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<td>Coyote Creek, Montague Expressway to Tully Road (E1)</td>
<td>17,235</td>
<td>2,845</td>
<td>-</td>
<td>6,375</td>
<td>10,797</td>
<td>21,796</td>
<td>3,781</td>
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<td>-</td>
<td>62,821</td>
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<tr>
<td>Upper Penitencia Ck, Coyote Ck-Dorel Dr, Corps (E4)</td>
<td>8,617</td>
<td>2,636</td>
<td>6,579</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>1,460</td>
<td>3,963</td>
<td>4,371</td>
<td>21,041</td>
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<td>Llagas Creek–Upper, Reimbursable (E6b)</td>
<td>45,040</td>
<td>3,048</td>
<td>60</td>
<td>-</td>
<td>6</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>48,094</td>
</tr>
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<td>Llagas Creek–Upper, Corps Coordination (E6a)</td>
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<td>58,305</td>
<td>13</td>
<td>55,549</td>
<td>32,621</td>
<td>9,255</td>
<td>298</td>
<td>-</td>
<td>-</td>
<td>252,893</td>
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<tr>
<td>Llagas Creek–Upper, Technical Studies</td>
<td>1,446</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>1,446</td>
</tr>
<tr>
<td>Llagas Creek–Upper, Design (E6)</td>
<td>28,193</td>
<td>-</td>
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<td>-</td>
<td>25</td>
<td>1,133</td>
<td>-</td>
<td>-</td>
<td>29,351</td>
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<tr>
<td>San Francisco Bay Shoreline - EIA 11 Design &amp; Partial Construction (E7)</td>
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<td>-</td>
<td>-</td>
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<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>17,516</td>
</tr>
<tr>
<td>San Francisco Bay Shoreline - EIA 1-4</td>
<td>4,287</td>
<td>1,359</td>
<td>-</td>
<td>1,760</td>
<td>2,829</td>
<td>1,170</td>
<td>6,201</td>
<td>6,480</td>
<td>6,772</td>
<td>30,851</td>
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<tr>
<td>San Francisco Bay Shoreline - EIA 5-10</td>
<td>-</td>
<td>1,045</td>
<td>-</td>
<td>1,045</td>
<td>1,092</td>
<td>3,423</td>
<td>3,578</td>
<td>3,739</td>
<td>-</td>
<td>13,922</td>
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<td>3,824</td>
<td>2,930</td>
<td>72</td>
<td>11</td>
<td>34</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>8,964</td>
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<tr>
<td>Almaden Lake Improvements (D4.1a)</td>
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<td>9,531</td>
<td>-</td>
<td>20,855</td>
<td>19,092</td>
<td>742</td>
<td>30</td>
<td>31</td>
<td>33</td>
<td>57,731</td>
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<tr>
<td>South Bay Salt Ponds Restoration (D8)</td>
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<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>548</td>
</tr>
<tr>
<td>SCW Fish Passage Improvements (D4.3; Evelyn, Singleton)</td>
<td>5,328</td>
<td>980</td>
<td>176</td>
<td>26</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>6,334</td>
</tr>
<tr>
<td>Bolsa Road Fish Passage Improvement (D6.2)</td>
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<td>2,205</td>
<td>-</td>
<td>4,170</td>
<td>27</td>
<td>29</td>
<td>89</td>
<td>-</td>
<td>-</td>
<td>6,528</td>
</tr>
<tr>
<td>SCW Implementation: Fish Passage Improvements (D4)</td>
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<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>2,127</td>
<td>1,184</td>
<td>1,000</td>
<td>2,502</td>
<td>6,811</td>
</tr>
<tr>
<td>SCW Implementation: Restoration of Natural Creek Functions (D6.3)</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>3,115</td>
<td>3,256</td>
<td>-</td>
<td>6,371</td>
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<tr>
<td>Ogier Ponds Separation from Coyote Creek (D4.1b)</td>
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<td>1,051</td>
<td>1,116</td>
<td>112</td>
<td>1,936</td>
<td>1,547</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>6,244</td>
</tr>
</tbody>
</table>

**TOTAL** 620,445 100,457 75,593 92,171 113,084 71,268 28,099 39,523 47,459 1,112,500

[| FY 2021-22 Funds to be reappropriated |]
### Project Funding Schedule for General Fund ($K)

<table>
<thead>
<tr>
<th>PROJECT NAME</th>
<th>Through FY21</th>
<th>FY22</th>
<th>FY22 Unspent</th>
<th>FY23</th>
<th>FY24</th>
<th>FY25</th>
<th>FY26</th>
<th>FY27</th>
<th>FY28-37</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Facility Management, Small Capital Improvements</td>
<td>n/a</td>
<td>4,000</td>
<td>-</td>
<td>4,000</td>
<td>4,000</td>
<td>4,000</td>
<td>4,000</td>
<td>4,000</td>
<td>16,000</td>
<td>40,000</td>
</tr>
<tr>
<td>Security Upgrades and Enhancements</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>314</td>
<td>328</td>
<td>338</td>
<td>349</td>
<td>7,025</td>
<td>8,216</td>
<td>16,570</td>
</tr>
<tr>
<td>Headquarters Operations Building</td>
<td>20</td>
<td>2,000</td>
<td>-</td>
<td>2,080</td>
<td>6,361</td>
<td>2,282</td>
<td>2,385</td>
<td>-</td>
<td>-</td>
<td>15,128</td>
</tr>
<tr>
<td>TOTAL</td>
<td>20</td>
<td>6,000</td>
<td>-</td>
<td>6,394</td>
<td>10,689</td>
<td>6,620</td>
<td>6,734</td>
<td>11,025</td>
<td>24,216</td>
<td>71,698</td>
</tr>
</tbody>
</table>

### Project Funding Schedule for Information Technology Fund ($K)

<table>
<thead>
<tr>
<th>PROJECT NAME</th>
<th>Through FY21</th>
<th>FY22</th>
<th>FY22 Unspent</th>
<th>FY23</th>
<th>FY24</th>
<th>FY25</th>
<th>FY26</th>
<th>FY27</th>
<th>FY28-37</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data Consolidation</td>
<td>1,157</td>
<td>75</td>
<td>738</td>
<td>-</td>
<td>-</td>
<td>40</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>1,272</td>
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<tr>
<td>IT Disaster Recovery</td>
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<td>206</td>
<td>81</td>
<td>-</td>
<td>3</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>2,605</td>
</tr>
<tr>
<td>ERP System Implementation</td>
<td>16,865</td>
<td>519</td>
<td>-</td>
<td>237</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>17,621</td>
</tr>
<tr>
<td>Software Upgrades &amp; Enhancements</td>
<td>4,055</td>
<td>345</td>
<td>-</td>
<td>1,234</td>
<td>1,258</td>
<td>1,104</td>
<td>741</td>
<td>2,015</td>
<td>3,236</td>
<td>13,988</td>
</tr>
<tr>
<td>Telephone System Voiceover IP</td>
<td>1,248</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>1,248</td>
</tr>
<tr>
<td>TOTAL</td>
<td>25,721</td>
<td>1,145</td>
<td>819</td>
<td>1,471</td>
<td>1,261</td>
<td>1,144</td>
<td>741</td>
<td>2,015</td>
<td>3,236</td>
<td>36,734</td>
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</table>

### CIP Funding Schedule Summary for All Funds ($K)

<table>
<thead>
<tr>
<th>FUND NAME</th>
<th>Through FY21</th>
<th>FY22</th>
<th>FY22 Unspent</th>
<th>FY23</th>
<th>FY24</th>
<th>FY25</th>
<th>FY26</th>
<th>FY27</th>
<th>FY28-37</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water Utility Enterprise</td>
<td>745,913</td>
<td>217,257</td>
<td>38,795</td>
<td>316,398</td>
<td>347,776</td>
<td>655,726</td>
<td>688,850</td>
<td>589,545</td>
<td>2,610,629</td>
<td>6,172,094</td>
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<tr>
<td>Watershed Stream Stewardship</td>
<td>415,087</td>
<td>61,295</td>
<td>13,220</td>
<td>33,835</td>
<td>38,676</td>
<td>22,280</td>
<td>56,675</td>
<td>50,645</td>
<td>201,475</td>
<td>879,968</td>
</tr>
<tr>
<td>Safe, Clean Water and Natural Flood Protection</td>
<td>620,445</td>
<td>100,457</td>
<td>75,593</td>
<td>92,171</td>
<td>113,084</td>
<td>71,268</td>
<td>28,099</td>
<td>39,523</td>
<td>47,459</td>
<td>1,112,506</td>
</tr>
<tr>
<td>General</td>
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<td>-</td>
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<td>10,689</td>
<td>6,620</td>
<td>6,734</td>
<td>11,025</td>
<td>24,216</td>
<td>71,698</td>
</tr>
<tr>
<td>Information Technology</td>
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<td>1,471</td>
<td>1,261</td>
<td>1,144</td>
<td>741</td>
<td>2,015</td>
<td>3,236</td>
<td>36,734</td>
</tr>
<tr>
<td>TOTAL</td>
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<td>128,427</td>
<td>450,269</td>
<td>511,486</td>
<td>757,038</td>
<td>781,099</td>
<td>692,753</td>
<td>2,887,015</td>
<td>8,273,000</td>
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</table>

FY 2021-22 Funds to be reappropriated
Appendices
Partnership Reimbursements are funds that are reimbursed by Valley Water’s partners after Valley Water advances the needed funds. The following table identifies capital projects that are funded cooperatively with Valley Water’s partners through reimbursements.

### Partnership Reimbursement ($K)

#### FY 2022-37 Planned Capital Reimbursement Schedule

<table>
<thead>
<tr>
<th>Project Number</th>
<th>Project Name</th>
<th>Agency</th>
<th>On-hand (09/14/21)</th>
<th>FY22</th>
<th>FY23</th>
<th>FY24</th>
<th>FY25</th>
<th>FY26</th>
<th>Future</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>91214010</td>
<td>Small Capital Improvements, San Felipe - Rich 1</td>
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<td>471</td>
<td>496</td>
<td>104</td>
<td>41</td>
<td>217</td>
<td>14,261</td>
</tr>
<tr>
<td>(San Benito Water Dist)</td>
<td></td>
<td></td>
<td>2,902</td>
<td>471</td>
<td>496</td>
<td>104</td>
<td>41</td>
<td>217</td>
<td>14,261</td>
<td>18,492</td>
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<td>91954002</td>
<td>Pacheco Reservoir Expansion Project</td>
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<td>4,691</td>
<td>4,249</td>
<td>3,775</td>
<td>26,282</td>
<td>35,870</td>
<td>410,312</td>
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<tr>
<td>(California Water Commission)</td>
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<td></td>
<td>11,485</td>
<td>4,691</td>
<td>4,249</td>
<td>3,775</td>
<td>26,282</td>
<td>35,870</td>
<td>410,312</td>
<td>496,664</td>
</tr>
<tr>
<td>92144001</td>
<td>Pacheco/Santa Clara Conduit ROW Acquisition</td>
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<td>0</td>
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<td>0</td>
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<tr>
<td>(San Benito Water Dist)</td>
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<td>19</td>
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<td>0</td>
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<td>91094007s</td>
<td>South County Recycled Water Pipeline</td>
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**SUBTOTAL - Reimbursements from Current Projects** 7,344 | 199,911 | 32,612 | 36,695 | 36,829 | 38,497 | 40,921 | 424,573 | 810,038
# Partnership Reimbursement ($K) (cont’d)

## Pending Reimbursements for Closed Projects

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### Notes & Assumptions:

1. State Subventions for CSC projects are projected to be received two (2) years after the work was completed.
Partnership Funding is funds that are made available by Valley Water’s partners, when needed. The following table identifies capital projects that receive partnership funding. This may occur through either cost sharing agreements or as in-kind services.

### Partnership Funding

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Appendix B - Summary of Capital Expenditures

Expenditure Schedule by Type of Improvement ($K)

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<th>FY24</th>
<th>FY25</th>
<th>FY26</th>
<th>FY27</th>
<th>FY28</th>
<th>FY29</th>
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<th>FY31</th>
<th>FY32</th>
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CIP Expenditures by Type of Improvement

- Water Supply: $6,120
- Flood Protection: $1,823
- Water Resources Stewardship: $201
- Buildings and Grounds: $72
- Information Technology: $48
### Expenditure Schedule by Fund ($K)

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<th>FY30</th>
<th>FY31</th>
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<td>761</td>
<td>-</td>
<td>776</td>
<td>8,130</td>
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<td>General Fund</td>
<td>20</td>
<td>6,000</td>
<td>6,394</td>
<td>10,889</td>
<td>6,620</td>
<td>6,734</td>
<td>11,025</td>
<td>12,216</td>
<td>4,000</td>
<td>4,000</td>
<td>4,000</td>
<td>-</td>
<td>-</td>
<td>71,698</td>
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<tr>
<td>Information Technology Fund</td>
<td>18,530</td>
<td>7,517</td>
<td>1,874</td>
<td>1,147</td>
<td>1,147</td>
<td>741</td>
<td>2,015</td>
<td>846</td>
<td>309</td>
<td>547</td>
<td>1,055</td>
<td>479</td>
<td>-</td>
<td>36,734</td>
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<td><strong>TOTAL</strong></td>
<td>1,611,217</td>
<td>451,458</td>
<td>516,291</td>
<td>537,019</td>
<td>760,658</td>
<td>794,338</td>
<td>701,358</td>
<td>705,385</td>
<td>480,608</td>
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<td>529,687</td>
<td>398,448</td>
<td>242,095</td>
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### CIP Expenditures by Fund

- **Water Utility Enterprise Fund**: $6,167
- **Watershed Stream Stewardship Fund**: $876
- **Safe, Clean Water and Natural Flood Protection Fund**: $1,111
- **General Fund**: $72
- **Information Technology Fund**: $37

---

**Appendix B - Summary of Capital Expenditures**

**Expenditure Schedule by Fund ($K)**

**CIP Expenditures by Fund**

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**Attachment 1**

Page 226 of 234
The following table is an overview schedule for Safe, Clean Water Capital Projects identified in the FY 2023-27 CIP. Detailed information for each project can be found in this document in their respective chapters in the order presented in this table.

### Safe, Clean Water Capital Improvement Project Schedules

<table>
<thead>
<tr>
<th>Project Number</th>
<th>PROJECT NAME</th>
<th>FY05 - FY09</th>
<th>FY10 - FY14</th>
<th>FY15 - FY19</th>
<th>FY20 - FY24</th>
<th>FY25 - FY29</th>
<th>FY30 - FY34</th>
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<tr>
<td>91864005</td>
<td>Anderson Dam Seismic Retrofit (C1)</td>
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<td>26764001</td>
<td>IRP2 Additional Line Valves (A3)</td>
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<td>26244001</td>
<td>Permanente Creek, SF Bay to Foothill Expressway</td>
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<td>26284001</td>
<td>San Francisquito Creek, SF Bay thru Searsville Dam (E5)</td>
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<td>26284002</td>
<td>San Francisquito Creek - Construction, SF Bay to Middlefield Road (E5)</td>
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<td>26074002</td>
<td>Sunnyvale East and West Channels (E2)</td>
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<td>Guadalupe Rv–Upper, I-280 to SPRR (Reach 6) (E8)</td>
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<td>26324001</td>
<td>Upper Penitencia Ck, Coyote Ck-Dorel Dr, Corps (E4)</td>
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<td>Llagas Creek–Upper, Corps Coordination (E6a)</td>
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<td>00044026</td>
<td>San Francisco Bay Shoreline</td>
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<td>San Francisco Bay Shoreline - EIAs 1-4</td>
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<td>San Francisco Bay Shoreline - EIAs 5-10</td>
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<td>Almaden Lake Improvements (D4.1a)</td>
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<td>26164001</td>
<td>Hale Creek Enhancement Pilot Study (D6)</td>
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<td>26044003</td>
<td>SCW Ogier Ponds Separation (D4.1b)</td>
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*Safe, Clean, Water (SCW) and Capital Improvement Program (CIP) schedules may vary slightly due to the definition of project completion by each program.
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Appendix D - Glossary

**Ad Valorem Tax**
A tax based on value (e.g., a property tax).

**Appropriation**
An appropriation is a legal authorization granted by the Santa Clara County Board of Supervisors which allows Valley Water to expend cash and incur obligations for specific purposes. An appropriation is usually limited in amount and the time it may be expended.

**Assessment**
The process of setting the official valuation of property for taxation; the valuation placed upon property as a result of this process.

**Asset**
A probable future economic benefit obtained or controlled by a particular entity as a result of past transactions or events. Examples of assets are cash, receivables, and equipment.

**BAO** Board Appointed Officer

**Benefit Assessment**
Determination of the benefits derived from Valley Water activities within particular watersheds and levying a proportionate share of taxes to each parcel subject to voter-approved limitations.

**Bonds**
Bonds are a long-term source of debt that provides a source of borrowed monies that can be used to pay for specific capital facilities. Bonds are a written promise to pay a specified sum of money at a predetermined date or dates in the future, called the maturity date(s), together with periodic interest at a specific rate.

**Capital Expenditure**
Capital expenditures fall into several categories. In general, they should create assets or extend the useful lives of existing assets. The work product results in a long-term benefit greater than two years and for budgeting purposes involved a major expenditure of Valley Water resources greater than $50,000. They can be made with regard to tangible and intangible assets.

The general categories of capital expenditures are: rehabilitation, major repairs, improvements/betterments/upgrades, replacements, expansions/additions, and ancillary expenditures.

**Capital Projects**
Projects are budgeted within the Capital budget and fall within the definition of Capital Expenditures; which means they (1) create or extend the life of an asset, (2) their work products have a useful life of greater than two years, and (3) they involve an expenditure of Valley Water resources in excess of $50,000.

**Certificates of Participation (COPs)**
A security in the general form of a bond, which evidences a proportionate participation in a flow of lease or other payments between two parties.

**CEQA** California Environmental Quality Act

**CIP** Capital Improvement Program

**Clean, Safe Creeks/CSC**
In November 2000, Santa Clara County voters approved the special parcel tax, the Clean, Safe Creeks and Natural Flood Protection Plan (Clean, Safe Creeks) to address community needs for enhanced stream stewardship and flood protection. The 15-year Clean, Safe Creeks Plan was replaced in its entirety by the Safe, Clean Water and Natural Flood Protection Program, which voters approved in 2012 (2012 Safe, Clean Water).

**Cost Center**
Cost Centers are separate financial accounting centers in which costs are accumulated because of legal and accounting requirements, the first two digits of a project number identifies the cost center.

**COVID-19** Disease caused by novel coronavirus, which caused a pandemic in 2020.

**DPR** Direct Potable Reuse

**DSOD** California Division of Safety of Dams
Appendix D - Glossary

**DWR** State Department of Water Resources

**EIR** Environmental Impact Report

**Encumbrances**
Commitments related to unperformed (executory) contracts for goods or services. Encumbrances represent the estimated amount of expenditures that will result if unperformed contracts in process are completed.

**Enterprise Fund**
Enterprise Funds are used to account for operations including debt service (a) that are financed and operated in a manner similar to private business, where the intent of the government body is that the costs (expenses, including depreciation) of providing goods or services to the general public on a accounting basis is financed or recovered primarily through user charges; or (b) where the governing body has determined that periodic determination of revenues earned, expenses incurred, and/or net income is appropriate for capital maintenance, public policy, management control accountability, or other purposes.

**ERP** Enterprise Resource Planning

**Expenditure/Expense**
Decreases in net financial resources. Expenditures include current operating expenses requiring the present or future of net current assets, debt service and capital outlays, and intergovernmental grants, entitlements, and shared revenues. The major expenditure categories used by Valley Water are labor and overhead, land and structures, equipment, and debt service.

**Facility**
Defined as a creek, reservoir, dam, water treatment plant, pipeline, canal, etc.

**FERC** Federal Energy Regulatory Commission

**Fixed Assets**
Fixed Assets are defined as long-lived tangible assets such as automobiles, computers and software, furniture, communications equipment, hydrologic equipment, office equipment, and other equipment, with a value of $2,000 or more, or the combined value of like or related units (aggregate value) is greater than $5,000 if the unit value is less than $2,000.

**Fiscal Year**
A 12-month period to which the annual operating budget applies and at the end of which a government determines its financial position and the results of its operations. Valley Water’s fiscal year is July 1 through June 30.

**FOCP** Federal Energy Regulatory Commission Order Compliance Project

**Fund**
A fiscal and accounting entity with a self-balancing set of accounts in which cash and other financial resources, all related liabilities and residual equities, or balances, and changes therein, are recorded and segregated to carry on specific activities or attain certain objectives in accordance with special regulations, restrictions or limitations.

**General Fund**
A fund used to account for major operating revenues and expenditures, except for those financial transactions that are required to be accounted for in another fund. General Fund revenues are derived primarily from property and other taxes.

**Grants**
Contributions or gifts of cash or other assets from another government entity to be used or expended for a specified purpose, activity, or facility.

**HVAC** Heating, Ventilation, and Air Conditioning

**IPR** Indirect Potable Reuse

**JPA** Joint Power Authority

**KPI**
Each project under the Safe, Clean Water Program has Key Performance Indicators (KPIs) that define the deliverables that are Valley Water’s commitment to the
Appendix D - Glossary

voters. Safe, Clean Water Projects may have multiple KPIs and each KPI may result in separate or multiple projects within the Capital Improvement Program.

**Levy**
(1. Verb) To impose taxes, special assessments, or service charges for the support of government activities; 
(2. Noun) The total amount of taxes, special assessments, or service charges imposed by a government agency.

**Long-Term Debt**
Debt with a maturity date of more than one year after the date of issuance.

**Measure S**
In November 2020, voters in Santa Clara County overwhelmingly approved Measure S, a renewal of Valley Water’s Safe, Clean Water and Natural Flood Protection Program (Safe, Clean Water Program) that voters had approved in 2012. Unlike the first two special parcel taxes, which were set to sunset in 15-years from the date of implementation, the renewed Safe, Clean Water Program will continue until repealed by voters or until the Board determines the funding is no longer needed.

**MGD Million Gallons per Day**

**One-Percent Flood or 100-Year Flood**
Has a 1% chance of occurring in a given year. Valley Water projects are usually designed for the 1% flood, a national standard established by the Federal Emergency Management Agency (FEMA).

**Operating Expenditure**
Operating expenditures are system costs required for the daily process of providing water and watershed management services, including the administrative and overhead costs to support these services.

Operating expenditures are costs necessary to maintain the systems in good operating condition. This includes the repair and replacement of minor property components. The American Waterworks Association (AWWA) says that these priority components should be smaller than a retirement unit; a retirement unit is a readily separable and separately useful item that is part of a larger assembly. The benefit and life of such repairs should be less than two years. Any repairs that recur on an annual basis are considered operating activities of a maintenance nature.

Operating expenditures are often separated into fixed and variable costs for purposes of understanding operating leverage and structuring service charge rates.

**Operations**
Expenditures required for the daily process of providing water and watershed management services, including the administrative and overhead costs to support these services. Operations include work that is generally of an ongoing or recurring nature. Any Valley Water work that is not a project is, by definition, an Operation. Operations, although recurring, require close coordination and a high degree of management oversight; however, they can be accomplished without the application of the full range of tools and processes used for managing projects.

**P3 Public Private Partnership**

**Projects**
At Valley Water, a project is any undertaking which has (1) a beginning and an ending, and (2) is a one-time occurrence. Projects can require expenditure of capital or operating funds and, at Valley Water, are called Capital or Operating Projects, accordingly. Project usually, but not always, relate to a Valley Water facility or facilities (a creek, a reservoir, a dam, a water treatment plant, a pipeline, etc.). Projects may include studies, design, construction, maintenance, or implementation of systems such as Records Management or Financial Management System.

**Revenue**
Monies Valley Water receives in exchange for services or sales provided. Revenue items include water sales, property tax revenues, benefit assessment revenues, interest income, intergovernmental reimbursement, and other.
Relevance Bonds
Bonds, whose principal and interest are payable exclusively from earnings of an enterprise fund. In addition to a pledge of revenues, such bonds sometimes contain a mortgage on the enterprise fund’s property.

Reserve
An account used to indicate that a portion of a fund’s assets are legally restricted for a specific purpose and is, therefore, not available for general appropriation.

SCADA
Supervisory Control and Data Acquisition

SCRWA
South County Regional Wastewater Authority

Safe, Clean Water/SCW
In November 2012, Santa Clara County voters approved the Safe, Clean Water and Natural Flood Protection Program (2012 Safe, Clean Water) to address water supply, flood protection and environmental stewardship priorities. In 2020, voters approved the renewal of the Safe, Clean Water Program, replacing the 2012 Safe, Clean Water Program in entirety and is set to begin in FY 2021-22. Unlike the first two special parcel taxes, which were set to sunset in 15-years from the date of implementation, the renewed Safe, Clean Water Program will continue until repealed by voters or until the Board determines the funding is no longer needed.

SMP  Stream Maintenance Program

WTP  Water Treatment Plant

WQL  Water Quality Lab
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