Valley Water

FY 2026-30

Capital Improvement Program Five-Year Plan

Santa Clara Valley Water District

Capital Improvement Program
Fiscal Years 2026-2030
Five-Year Plan

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June 30, 2025

Valley Water
Clean Water • Healthy Environment • Flood Protection

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OVERVIEW

The Santa Clara Valley Water District's (Valley Water) Capital Improvement Program (CIP) Fiscal Year (FY) 2026–30 Five-Year Plan outlines projected capital funding for planned projects from FY 2025–26 through FY 2029–30. The CIP serves to document Valley Water's planned capital investments and to align its efforts with those of local agencies, supporting coordinated regional planning. Capital projects are reviewed annually for changes in scope, schedule, and cost. The five-year plan is updated on a rolling basis each year to reflect the most current project descriptions, anticipated operating cost impacts, proposed schedules, estimated expenditures, projected funding, and planned funding sources.

Valley Water's CIP is developed following the guidelines of the 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; and
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.

SANTA CLARA VALLEY WATER

Mission

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

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 $5 million (unless otherwise approved by the Board);
2. Project can be completed within two fiscal years; and
3. Rights-of-way acquisition is not required.

The proposed funding for the Water Supply Small Capital Improvement projects are anticipated to vary each year based on the work identified in the Water Utility Asset Management Plan. The Small Capital Improvement Projects under Buildings & Grounds and Information Technology are funded at a flat rate each year. Unspent funds in these projects will not carry forward from previous years, unless otherwise approved by the Board.

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.

Overview

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-7)

CIP DEVELOPMENT PROCESS

Valley Water conducts an annual development process for its CIP. The purpose of the CIP Development 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 Development Process is carried out in accordance with the following Executive Limitations:

- Executive Limitation EL-4.4.1., "A BAO shall produce an annual Rolling Five-Year Capital Improvement Plan with the first year aligning with the adopted capital budget and the remaining years in place as a projected capital funding plan."
- Executive Limitation EL-4.4.3., "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 Ends Policies".

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 QEMS 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;
- 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 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 Five-Year Plan.

Overview

The annual CIP Development 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 CIP Draft Five-Year Plan in March. The CIP Draft Five-Year Plan serves as a multi-year plan, and together with other long-term planning efforts of Valley Water are the basis for the budget for the following fiscal year. This Draft CIP Five-Year Plan is also reviewed by local jurisdictions for consistency with their General Plans. While the CIP Draft Five-Year Plan is being reviewed by the cities and County, the budget is reviewed and finalized. The Board concludes the outreach of the CIP Draft Five-Year Plan with a public hearing. The first year of the CIP is reconciled with the budget; the Resolution to adopt the CIP Final Five-Year Plan 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 Five-Year Plan. The CIP Five-Year Plan 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 CIP Preliminary Five-Year Plan to ensure that the document is developed in accordance with Board priorities. The direction received is used to develop the CIP Draft Five-Year Plan, 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 CIP Final Five-Year Plan 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 Five-Year Plan document or implementation by staff.

On January 14, 2025, the CIP Preliminary FY 2026-30 Five-Year Plan project list was reviewed and endorsed by the Board. Three new projects were added to the project list, the Coyote Dam Seismic Stability Project, Pipeline Maintenance Program (which included five sub-projects), and the Enterprise Resource Planning (ERP) Replacement Project.

- The Coyote Dam Seismic Stability Project will enhance dam safety by installing a downstream filter and drainage system to address seismic-related cracking risks, replacing the downstream alluvium foundation which is prone to liquefaction, and modifying the spillway to manage Probable Maximum Flood events. The estimated project cost is $406.48 million and the project duration is expected to last 14 years.

- The Pipeline Maintenance Program will encompass several ongoing pipeline projects; at this time, five sub-projects have been identified under the program. The projects will update the Pipeline Maintenance Program and Environmental Impact Report for future efforts, conduct dewatering and inspect Valley Water pipelines and tunnels, assess pipeline condition (maintain, repair and coat as necessary), fix or replace distressed pipe sections, update line valves, flow meters, and piping. The estimated project cost is $55.39 million and the project is ongoing.

- The ERP Replacement Project will provide a system to eliminate inefficiencies and simplify usability for Valley Water staff. The estimated project cost is $33.23 million and the project duration is expected to last up to three years.

The following are highlights of changes from the previous year that have been approved as the basis for the CIP FY 2026-30 Five-Year Plan:

- To fully fund the Water Supply projects in the CIP FY 2026-30 Five-Year Plan, the Board approved increases in groundwater production charges for FY 2025-26 of 9.9% in North County Zone W-2, 7.9% in South County Zone W-5, 11.2% 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 $69.70 million.
  - The Anderson Dam Tunnel Project increased in cost by $42.26 million.
  - The Coyote Creek Flood Management Measures Project decreased in cost by $16 million.
  - The Coyote Creek Chillers Project increased in cost by $5.34 million.
  - The Calero Dam Seismic Retrofit - Design & Construction Project decreased in cost by $23.53 million.

- The Guadalupe Dam Seismic Retrofit - Design & Construction Project increased in cost by $56.02 million.
- The Coyote Pumping Plant ASD Replacement Project decreased in cost by $14.95 million.
- The Dam Seismic Stability Evaluation Project decreased in cost by $1.33 million.
- The Pacheco Reservoir Expansion Project decreased in cost by $17.06 million.
- The Small Capital Improvements, San Felipe Reaches 1-3 Project decreased in cost by $34.43 million.
- The 10-Year Pipeline Rehabilitation (FY 2018-27) Project increased in cost by $12.63 million.
- The Almaden Valley Pipeline Replacement Project decreased in cost by $15.72 million.
- The IRP2 Additional Line Valves (A3) Project increased in cost by $8.65 million.
- The Small Capital Improvements, Raw Water Transmission Project decreased in cost by $3.47 million.
- The Treated Water Isolation Valves Project increased in cost by $4.90 million.
- The PWTP Residuals Management Project increased in cost by $53.87 million.
- The Small Capital Improvements, Water Treatment Project increased in cost by $29.23 million.
- The Water Treatment Plant Electrical Improvement Project decreased in cost by $1.06 million.
- The San José Purified Water Project - Phase 1 increased in cost by $62.08 million.

- The following are highlights of significant project changes under Flood Protection and Water Resources Stewardship:
  - The San Francisquito Creek - SF Bay to Searsville Dam (E5) Project increased in cost by $7.74 million.
  - The Sunnyvale East and West Channels (E2) Project increased in cost by $32.65 million.
  - The Lower Guadalupe River Capacity Restoration Project increased in cost by $3.43 million.
  - The Guadalupe River - Upper, SPRR to Blossom Hill Road (R7-12) Project decreased in cost by $39.30 million.
  - The Upper Penitencia Creek, Coyote Creek-Dorel Drive (E4) Project increased in cost by $2.09 million.
  - The Llagas Creek, Upper, USACE Coordination (E6) Project decreased by $7.97 million.
  - The Llagas Creek, Upper, Design (E6) Project decreased in cost by approximately $3.31 million.
  - The Llagas Creek, Upper, Phase 2B (E6) Project increased in cost by approximately $64.47 million.
  - The SF Bay Shoreline Project (E7) (Fund 12) increased in cost by $87.39 million.
  - The SF Bay Shoreline, EIAs 1-4 (E7) Project decreased in cost by $22.98 million.
  - The Watersheds Asset Rehabilitation Program (WARP) Project increased in cost by $4.17 million.
  - The Coyote Percolation Dam - Phase 2 Project decreased in cost by $12.24 million.
  - Pond A4 Resiliant Habitiat Restoration Project increased in cost by $5.74 million.

- The following are highlights of significant project changes under Buildings & Grounds:
  - The Security Upgrades & Enhancements Project decreased in cost by $2.21 million.
  - The Small Capital Improvements, Facility Management Project increased in cost by $2.55 million.

- The following are highlights of significant project changes under Information Technology:
  - The Small Capital Improvements, Software Upgrades and Enhancements Project decreased in cost by $6.52 million.
  - The Small Capital Improvements, WU Computer Network Modernization Project decreased in cost by $1.16 million.

Infrastructure construction projects in the CIP FY 2026-30 Five-Year Plan are experiencing significant cost increases due to construction inflation escalation factor increases and changes in market conditions.

For the reporting on FY 2024-25 expenditures, the CIP FY 2026-30 Five-Year Plan includes the following eight (8) projects that are anticipated to be completed and/or closed

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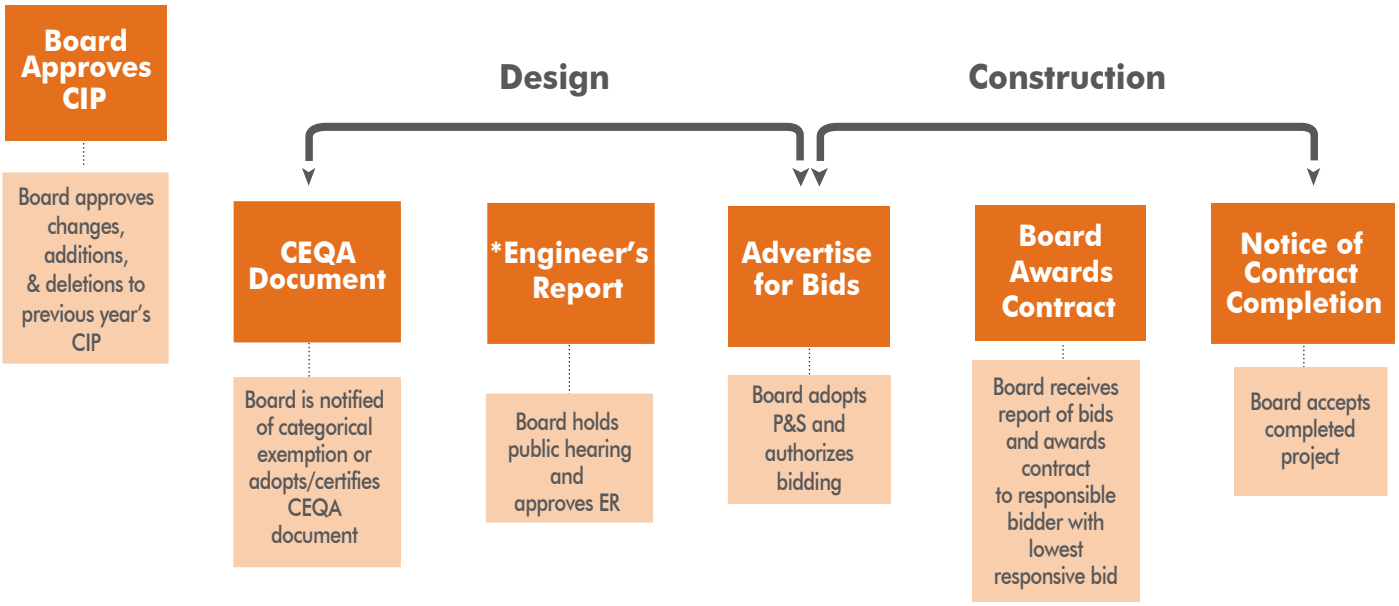
by June 30, 2025: Coyote Percolation Dam Replacement, Cross Valley Pipeline Extension (under ADSRP), Santa Teresa Water Treatment Plant Filter Media Replacement, Rinconada Water Treatment Plant Residuals Remediation, Permanente Creek-S.F. Bay to Foothill Expressway (both the Fund 12 and Fund 26 Projects), SCW Fish Passage Improvements (D4.3), and Data Consolidation.

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

Overview

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.

OPPORTUNITIES FOR BOARD DIRECTION ON CAPITAL PROJECTS



** Board approval of the Engineer's Report is required only on projects with zone funding.*

CIP PROCESS ALIGNMENT WITH ENDS POLICIES

Overview

FISCAL YEARS 2026-30 CIP SUMMARY

The recommended CIP FY 2026-30 Five-Year Plan includes 76 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***
  43 projects contributing to Ends Policy E-2
- ***Flood Protection Capital Improvements***
  14 projects contributing to Ends Policy E-3
- ***Water Resources Stewardship Capital Improvements***
  12 projects contributing to Ends Policy E-4
- ***Buildings & Grounds Capital Improvements***
  3 projects supporting Valley Water's efforts to achieve the Ends Policies
- ***Information Technology Capital Improvements***
  4 projects supporting Valley Water's efforts to achieve the Ends Policies

Each of the 76 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 the 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 Five-Year Plan.

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:

- $504 million for Pacheco Reservoir from the California Water Commission;
- $36 million for Upper Berryessa, Lower Berryessa, Lower Penitencia, and Cross Valley Pipeline Extension from DWR,
- $61 million for San Francisco Bay Shoreline (Phase I) Project from the San Francisco Bay Restoration Authority; and
- $80 million for Llagas Creek, Upper, Phase 2B Construction (E6) Project from the Natural Resources Conservation Service (NRCS).

In addition to Valley Water funding sources, Valley Water has entered into flexible, low-cost Water

VALLEY WATER PRIORITIES	Valley Water Funds				
Type of Improvement	Water Utility Enterprise Fund	Watershed Stream Stewardship Fund	General Fund	Safe, Clean Water Fund	Information Technology Fund
Water Supply	●			●	
Flood Protection		●		●	
Water Resources Stewardship	●	●		●	
Buildings & Grounds			●		
Information Technology	●				●

The chart above identifies which types of improvement are associated with each of Valley Water's five capital funds.

Overview

Infrastructure Finance and Innovation Act (WIFIA) master loan agreements with the United States Environmental Protection Agency (EPA) that will provide up to:

- $579.4 million loan funding for the Anderson Dam Seismic Retrofit Project and the Coyote Percolation Dam Replacement Project with a projected final payoff of the loan occurring in 2067.
- $146.7 million loan funding for the Sunnyvale East and West Channels Flood Protection Project, and the Coyote Creek Flood Protection Project with a projected final payoff of the loan occurring in 2061.
- $1.4 billion loan funding for the Pacheco Reservoir Expansion Project with a projected final payoff of the loan occurring in 2067.

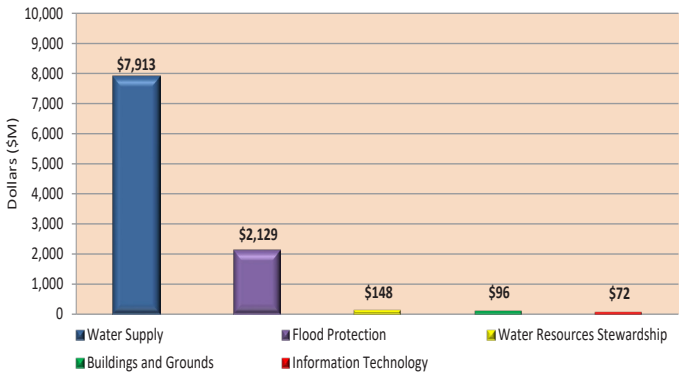
The estimated total funding required to implement the 76 projects defined in the CIP is $10.834 billion. Valley Water has been and continues to be successful in leveraging funding for its capital projects through partnerships with federal, state, and local agencies. Of the $10.834 billion total funding, $1.305 billion is expected from Valley Water's various partners, such as the U.S. Army Corps of Engineers (USACE), and $9.528 billion from Valley Water.

A list of projects that are funded cooperatively with Valley Water's partners is summarized in Appendix A. Funding 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 $1.305 billion that is expected from Valley Water's partners, $829 million is advanced by Valley Water and reimbursed later. This $829 million is included in the CIP, and increases Valley Water's total funding requirement from $9.528 billion to $10.358 billion, to ensure that Valley Water has adequate funding to advance the reimbursement.

CIP Funding by Type of Improvement



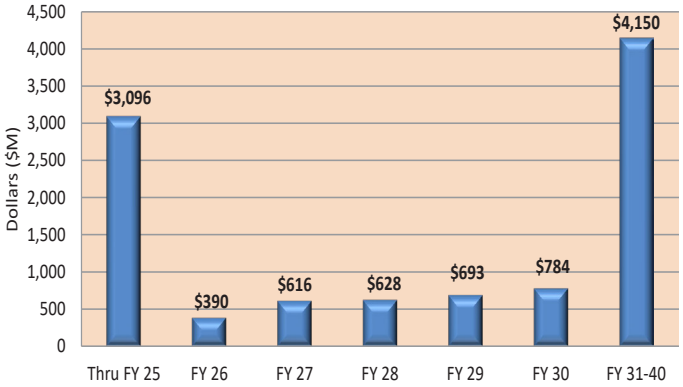
The chart above shows the distribution by type of improvement, of the $10.358 billion total CIP funding as planned in the FY 2026-30 CIP.

The chart "CIP Funding by Type of Improvement" shows how the $10.358 billion to implement the 76 projects is allocated to each of the five types of improvements.

Of the $10.358 billion in total funding for the 76 projects identified in the CIP, the Board has appropriated $3.096 billion in prior years (through June 30, 2025, the end of FY 2024-25). This year's CIP process identified additional funding needs of $7.262 billion to complete the projects in the CIP, with $390 million allocated in FY 2025-26 and a total of $6.872 billion proposed for future years.

The table "CIP Funding Schedule by Type of Improvement and Funding Sources" shown on page I-10 breaks down the fiscal year total by the five types of improvement and by applicable funding sources.

CIP Funding Schedule



The chart above shows how the $10.358 billion is distributed by fiscal year.

Overview

CIP Funding Schedule by Type of Improvement and Funding Sources ($K)

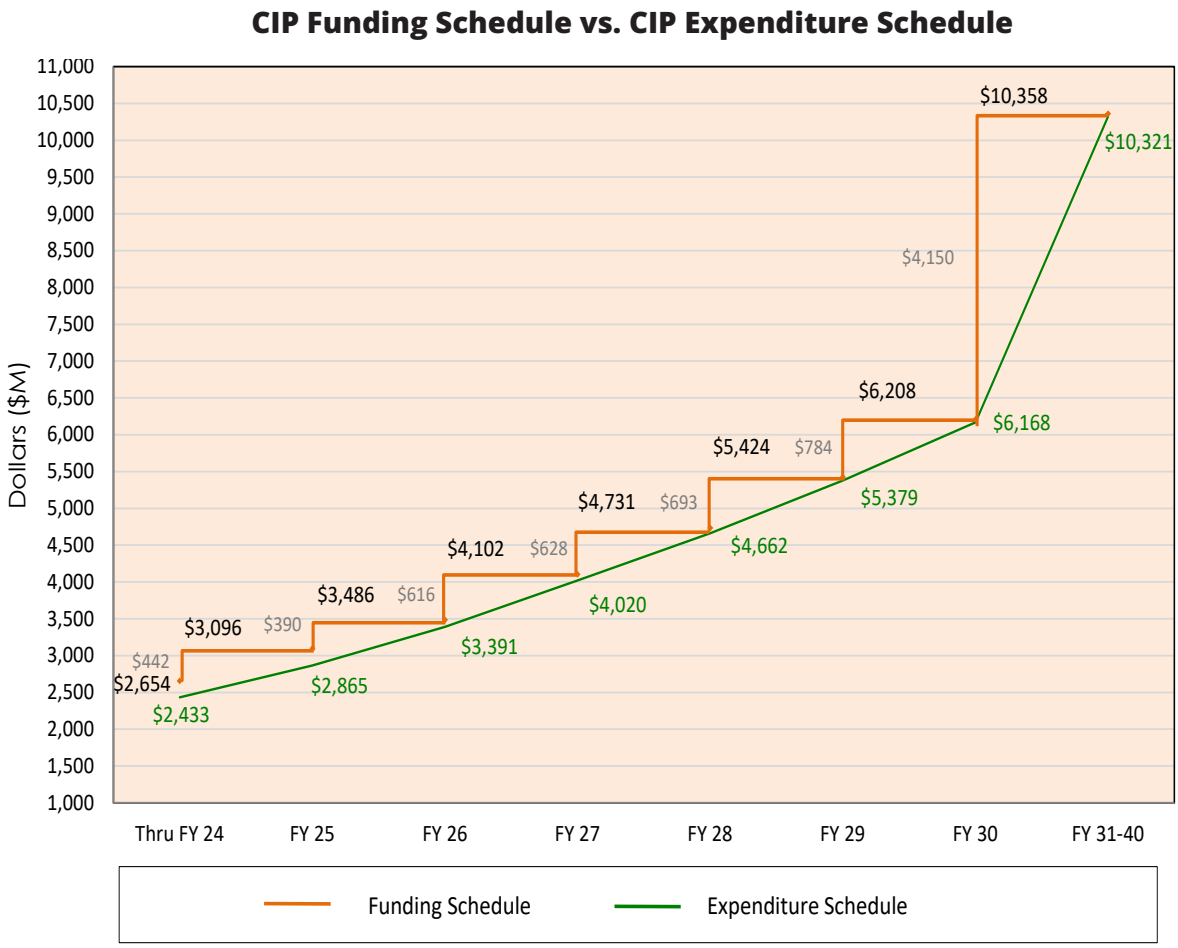
	Through FY24	FY25*	FY25 Unspent	FY26	FY27	FY28	FY29	FY30	FY31-40	TOTAL
WATER SUPPLY										
Water Utility Enterprise Fund	1,467,141	285,782	80,478	290,012	409,538	374,439	566,518	728,268	3,787,444	7,909,142
Safe, Clean Water and Natural Flood Protection Fund	-	-	-	587	730	1,446	664	-	-	3,426
Water Supply Total	1,467,141	285,782	80,478	290,599	410,268	375,884	567,182	728,268	3,787,444	7,912,568
FLOOD PROTECTION										
Watershed Stream Stewardship Fund	391,052	23,972	1,598	27,685	17,349	130,446	41,767	42,336	242,543	917,149
Safe, Clean Water and Natural Flood Protection Fund	741,537	108,936	135,962	49,679	142,372	95,080	58,564	2,902	12,788	1,211,858
Flood Protection Total	1,132,589	132,907	137,560	77,364	159,720	225,526	100,331	45,238	255,330	2,129,006
WATER RESOURCES STEWARDSHIP										
Water Utility Enterprise Fund	765	-	-	4,383	4,819	2,675	38	-	26,308	38,988
Watershed Stream Stewardship Fund	15,222	4,872	5,328	1,654	3,459	6,198	8,181	3,989	6,088	49,664
Safe, Clean Water and Natural Flood Protection Fund	31,883	3,291	3,113	96	14,874	660	4	1,059	7,724	59,590
Mitigation Total	47,869	8,163	8,441	6,134	23,152	9,533	8,223	5,048	40,120	148,242
BUILDINGS & GROUNDS										
General Fund	4,728	12,627	4,492	13,250	13,605	4,000	4,000	4,000	40,000	96,210
Buildings and Grounds Total	4,728	12,627	4,492	13,250	13,605	4,000	4,000	4,000	40,000	96,210
INFORMATION TECHNOLOGY										
Information Technology Fund	1,249	678	-	609	9,430	12,946	12,984	780	10,192	48,868
Water Utility Enterprise Fund	n/a	2,028	-	2,365	-	540	417	652	16,755	22,757
Information Technology Total	1,249	2,706	-	2,974	9,430	13,486	13,401	1,432	26,947	71,625
TOTAL	2,653,576	442,186	230,971	390,321	616,175	628,430	693,136	783,986	4,149,841	10,357,651
CUMULATIVE TOTAL	2,653,576	3,095,761	692,912	3,486,082	4,102,257	4,730,687	5,423,823	6,207,809	10,357,651	

*FY 2025 Adjusted Budget includes adopted budget plus budget adjustments

FY 2024-25 Funds to be reappropriated

Overview

As shown in table "CIP Funding Schedule by Type of Improvement and Funding Sources" on page I-10, approximately $231 million of the already appropriated $3.096 billion is not spent and is reappropriated to FY 2025-26 for continued use in those same projects in amounts consistent with the project expenditure schedule for FY 2025-26. The following chart explains the relationship between the CIP Funding Schedule and CIP 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
- 285 acres of recharge ponds
- 98 miles of in-stream recharge
- Groundwater basins

Transmission Facilities

- 142 miles of pipelines
- 3 pump stations

Treatment Facilities

- 3 treatment plants

Recycled & Purified 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 the depletion of the groundwater 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. For Phases 3 through 6, the construction completion is currently anticipated for 2029.

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 1950s. 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 the 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 and a separate capital

project to address outlet and spillway improvements at Almaden Dam, the Almaden Calero-Canal Rehabilitation was initiated in FY 2023-24. 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 nine of Valley Water's ten dams. The spillway evaluation for seven dams has 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 2.5%. In March 2022, the maximum conditional eligibility determination was increased to approximately $504 million to reflect an inflation adjustment of 1.5%.

The key driver for Water Supply projects is the Water Supply Master Plan, which includes three strategies to ensure sustainability; secure existing supplies and infrastructure, expand conservation and reuse, and optimize the use of existing supplies and infrastructure.

Major Capital Improvements Identified in the CIP

The majority of capital projects included in the CIP Five-Year Plan are related to asset management, which replaces aging equipment and facilities, infrastructure reliability, which protects the county's baseline water supply, or addressing the future water supply needs of the county, in alignment with Valley Water's Water Supply Master Plan 2040. Listed below are the Water Supply capital projects included in the CIP Final FY 2026-30 Five-Year Plan:

Storage Facilities

- Almaden Dam Improvements
- Almaden Calero-Canal Rehabilitation
- Anderson Dam Seismic Retrofit (C1)
- Anderson Dam Tunnel
- Coyote Creek Flood Management Measures
- Coyote Creek Chillers
- Coyote Percolation Dam Replacement
- Cross Valley Pipeline Extension
- Calero and Guadalupe Dams Seismic Retrofits
- Coyote Dam Seismic Stability
- Coyote Pumping Plant ASD Replacement
- Dam Seismic Stability Evaluation
- Small Capital Improvements, San Felipe Reaches 1-3
- Pacheco Reservoir Expansion Project

Transmission Facilities

- 10-Year Pipeline Inspection & Rehabilitation
- Pipeline Maintenance Program
- East Pipeline Inspection & Rehabilitation
- Penitencia Delivery Main and Force Main Inspection & Rehabilitation
- Santa Teresa Force Main Inspection & Rehabilitation
- Milpitas Pipeline Inspection & Rehabilitation
- Santa Clara and Campbell Distributary Inspection & Rehabilitation
- Almaden Valley Pipeline Replacement
- Distribution System Master Plan Implementation
- FAHCE Implementation
- IRP2 Additional Line Valves (A3)
- Pacheco/Santa Clara Conduit Right of Way Acquisition
- SCADA Master Plan Implementation
- SMPIP Upgrades - Phase 1
- Small Capital Improvements, Treated Water Transmission
- Small Capital Improvements, Raw Water Transmission
- Treated Water Isolation Valves
- Vasona Pump Station Upgrade

Treatment Facilities - Water Treatment Plants (WTP)

- Penitencia WTP Residuals Management
- Rinconada WTP Residuals Remediation
- Rinconada WTP Reliability Improvement
- Rinconada Ammonia Storage & Metering Facility Upgrade

- Small Capital Improvements, Water Treatment
- Santa Teresa WTP Filter Media Replacement Project
- WTP Electrical Improvement Project
- WTP Master Plan Implementation

Recycled & Purified Water Facilities

- San José Purified Water Project (SJPWP) - Phase 1
- Land Rights - South County Recycled Water Pipeline
- South County Recycled Water Pipeline

Capital Investments Not Included in the CIP

Valley Water is currently engaged in planning for the future water supply needs of the county. This effort includes updating the Water Supply Master Plan 2040, which was approved by the Board on November 20, 2019. Development of the Water Supply Master Plan 2050 was initiated in 2023 and is expected to conclude in 2025, with updated recommendations on water supply projects and portfolios.

The following capital water supply projects are being led by other agencies, with Valley Water's participation being evaluated in the Water Supply Master Plan 2050. As Valley Water is not the project owner and only contributing funds through partnership agreements, these projects are not included in the CIP Five-Year Plan, but rather are included in Valley Water's operating budget forecasts:

- Delta Conveyance Project
- B.F. Sisk Dam Raise and Reservoir Expansion Project

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. Throughout the various phases of a capital project, projections of this impact are regularly considered and updated as needed to reflect changes in project elements.

CIP DEVELOPMENT PROCESS AND FINANCIAL ANALYSIS

The annual CIP Development 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 CIP Draft Five-Year Plan in March.

The Board then authorizes the release of the CIP Draft Five-Year Plan to the public and local municipalities for review, conducts a public hearing, and approves the resolution to adopt the CIP Final Five-Year Plan 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, which is the funding source for the water supply capital improvements, is conducted in conjunction with the groundwater production charge process. Valley Water's Board of Directors were presented a number of water charge scenarios on January 14, 2025. The annual Protection and Augmentation of Water Supplies Report (PAWS) outlines the

staff-proposed municipal and industrial (M&I) groundwater production charges for FY 2025-26 of 9.9% in North County Zone W-2, 7.9% in South County Zone W-5, 11.2% in South County Zone W-7, and 8% for South County Zone W-8.

In addition to Valley Water funding sources, Valley Water has entered into a flexible, low-cost Water Infrastructure Finance and Innovation Act (WIFIA) master loan agreement with the Environmental Protection Agency (EPA) that commits up to $580 million to provide upfront funding for the Anderson Dam Seismic Retrofit Project and the Coyote Percolation Dam Replacement Project with the final payoff of the loan occurring in 2067.

Significant Project Updates From Prior Year

Updates to capital project plans are considered to be significant if total project costs (TPC) increase or decrease more than $1 million (inflated), project completion is extended beyond one year, or if there are any changes to project scope. Listed below are the changes to projects from the CIP Adopted FY 2025-29 Five-Year Plan:

Capital Improvement Project Updates

- The Anderson Dam Seismic Retrofit (C1) Project schedule is extended by one year. The Federal Energy Regulatory Commission (FERC) issued a new schedule for completing Environmental Impact Statement (EIS), which will extend the environmental review timeline affecting the overall project schedule. The planned close-out includes a two-year landscape establishment period. The project increased in cost by $69.70 million due to the reallocation of planned expenditures to reflect the onboarding of the construction management consultant, anticipated work to occur in the first year of ADSRP construction, and the FERC issued schedule update.
- The Anderson Dam Tunnel Project increased in cost by $42.26 million. The project scope has been modified to include an extension of the North Channel opening. This work was initially planned to happen during the subsequent Anderson Dam Seismic Retrofit Project; however, opportunities for efficiency and environmental benefit have accelerated this work to occur now. If delayed, existing low spots in Coyote Creek could create fish stranding hazards after high creek flows or releases from Anderson Dam. The construction contract contingency was increased to complete the ADTP through construction and completion of the project based on cost projections, to compensate the contractor for future known change order work, future unknown changes that may occur during construction, and outstanding schedule impacts to be negotiated.
- The Coyote Creek Flood Management Measures Project decreased by $16 million due to the Contractor's bid coming in lower than anticipated. Construction is now substantially complete enough to determine to reduce these expenses.
- Coyote Creek Stream Augmentation Fish Protection Measure (Chillers) Project increased in cost by $5.34 million due to the addition to the contract contingency sum and Valley Water labor and service and supplies to support the extension to the project duration.
- The Calero Dam Seismic Retrofit - Design & Construction decreased in cost by $23.53 million. In November 2023, the Division of Safety of Dams (DSOD) wrote to Valley Water (VW) expressing dissatisfaction with the current rehabilitation schedules for VW's dams with seismic deficiencies, including Calero Dam, Guadalupe Dam, Almaden Dam, and Coyote Dam. It required VW to submit a revised rehabilitation master schedule for these dams. The revised schedule included a new target date to commence construction at Calero or Guadalupe Dam by the summer of 2026. Following meetings with DSOD, VW responded in writing to DSOD in July 2024, acknowledging the concerns regarding the previously proposed timeline and presenting a new approach to address the identified deficiencies and ensure an earlier start of construction. This new strategy involves segmenting the construction into individual projects and prioritizing the repair of embankments and spillways to mitigate the risks that led to the reservoir restrictions. Calero Dam will be retrofitted through two distinct construction packages. Package A will focus on rehabilitating the embankment and spillway. Package B will address the construction of the new outlet works and the work at Fellows Dike. It is important to note that the scope change involves the use of two separate construction packages and the related design and construction adjustments. Still, the overall objectives of the project remain unchanged. Under this approach, Package A is set to begin construction in early 2028 and be completed in summer 2031, while Package B will start in early 2033 and finish in spring 2035. The overall schedule remains the same. The construction details of Package A (embankment and spillway) are well-defined, making the cost estimates reasonable and reliable. However, the details of Package B (outlet works and work at Fellows Dike) still need further definition (such as whether it will involve a sloping

intake, a shaft intake, or another solution), as the design must now accommodate minimizing the draining of the reservoir during construction. Therefore, an estimate for the construction cost of Package B is not yet available and will not be included in the Total Project Cost (TPC) at this time.

- The Guadalupe Dam Seismic Retrofit - Design & Construct schedule is extended by four years. In November 2023, the Division of Safety of Dams (DSOD) wrote to Valley Water (VW), expressing dissatisfaction with the current rehabilitation schedules for VW's dams with seismic deficiencies, including Calero Dam, Guadalupe Dam, Almaden Dam, and Coyote Dam and required VW to submit a revised rehabilitation master schedule for these dams. The revised schedule was to include a new target date to commence construction at either Calero or Guadalupe Dam by the summer of 2026. Following meetings with DSOD, VW responded in writing to DSOD in July 2024, acknowledging the concerns regarding the previously proposed timeline and presenting a new approach to address the identified deficiencies and ensure an earlier start of construction. This new strategy involves segmenting the construction into individual projects and prioritizing the repair of embankments and spillways to mitigate the risks that led to the reservoir restrictions. The Guadalupe Dam construction has been split into two distinct packages: Package A will focus on rehabilitating the embankment and spillway, and rehabilitating and strengthening the existing outlet works (riser pipe). Package B will address the construction of the new outlet works. It is important to note that the scope change involves the use of two separate construction packages and the related design and construction adjustments, but the overall objectives of the project remain unchanged. Under this approach, Package A is set to begin construction in early 2029 and be completed in early 2032, while Package B will start in summer 2032 and finish in summer 2034. The total project cost has increased in cost by $56.02 million due to revised costs for the design and construction phases, as well as the addition of VW labor costs for environmental support, the latter which was previously part of the Calero & Guadalupe – Planning Project (Project No. 91084020) and has since been revised. With the renewed focus on the project, the expenditures have been revised to include additional anticipated costs. The construction details of Package A (embankment, spillway, and strengthening of the existing riser pipe) are well-defined, making the cost estimates reasonable and reliable. However, the details of Package B (outlet works) still need further definition (such as whether it will involve a sloping intake, a shaft, or another solution), as the design must now accommodate minimizing the draining of the reservoir during construction. Therefore, an estimate for the construction cost of Package B is not yet available and will not be included in the Total Project Cost (TPC) at this time.
- The Coyote Pumping Plant ASD Replacement decreased in cost by $14.95 million. The project is being delivered through Progressive Design-Build and construction will be completed within a single construction season. The total project cost is decreased to reflect these changes.
- The Dam Seismic Stability Evaluation decreased in cost by $1.33 million due to recent consultant assessments of Dam Safety Evaluations for Coyote, Chesbro, and Uvas dams (DSE1) confirming that Uvas and Chesbro dams are structurally sound and require no further investigation. As a result, the need for future investigations for these two dams has been removed from the project scope.
- The Pacheco Reservoir Expansion Project (PREP) decreased in cost by $17.06 million due to the proposed changes in the phase costs. The project's Design Level Geotechnical Investigations (DLGI) were stopped in May 2023 by court order, ruling that neither the Class 4 nor Class 6 California Environmental Quality Act (CEQA) Categorical Exemptions (CE) were applicable to this work and additional CEQA review would be required. In response, a draft Initial Study/Mitigated Negative Declaration (IS/MND) was released for public review in June 2024. Considering public and agency comments received on the draft IS/MND, Valley Water has elected to prepare a DLGI Environmental Impact Report (EIR). Following the release of the PREP Draft EIR (DEIR) in November 2021, several items have developed, such as additional coordination with PG&E, alignment and extension of transmission lines, time needed to complete the environmental studies, reservoir modeling analysis, and preparation of the Project's recirculated DEIR, EIR, and Environmental Impact Study (EIS), resulting in delays to the environmental phase and the need to recirculate the DEIR. The proposed revisions to the design and environmental phases extend the completion of the project plan schedule by 1.5 years.
- The 10-Year Pipeline Rehabilitation (FY18-FY27) increased in cost by $12.63 million due to the unprecedented flooding of Winter 2023, lead-time challenges with material and equipment during construction, fewer bidders on the market, and an increase in required staff labor. The

schedule is extended by one year due to procurement lead times, unforeseen field conditions, and delays in submitting required documentation by the contractor.

- The Almaden Valley Pipeline Replacement Project decreased in cost by $15.72 million due to the design team completing the planning phase work early by leveraging historical data from the 2007 Pipeline Maintenance Program and 10-year Inspection and Rehabilitation. This allowed them to start early and shift advertisement earlier by two years. The sub-projects will begin to close out in FY36, and the overall project closeout will be in FY41. This 21-year project plan was initiated in FY20 and extends to FY41, beyond the 15-year CIP window. During each rollover period, the CIP adds the upcoming FY schedule and planned expenditures from the original project plan. This update adds FY40 into the 15-year projection window.
- The IRP2 Additional Line Valves (A3) increased in cost by $8.65 million due to an updated engineer's estimate, significant coordination with water retailers to facilitate pipeline outages, increased material lead times, change in procurement strategy to award projects earlier, forecasted higher construction costs, and additional staff time. The cost increases exceed the renewed Safe, Clean Water and Natural Flood Protection Program's 15-year (FY2022-36) project allocation of $15.5M (inflated) and will potentially be funded through Fund 61.
- The Pacheco/Santa Clara Conduit Right of Way Acquisition Project schedule is extended by one year due to ongoing issues in obtaining necessary environmental permits, ongoing negotiations for right-of-way offers, and construction being permitted during dry months only. The Project increased in cost by $94 thousand due to the reallocation of expenditures to match the updated schedule.
- The SCADA Master Plan Implementation Project (SMPIP) schedule is extended by one year due to the additional coordination efforts between the consultant and Valley Water staff. The Project decreased in cost by $6 thousand due to the reallocation of expenditures to match the updated schedule.
- The SMPIP Upgrades - Phase 1 schedule is extended by one year. This project was established to provide the resources needed to perform the SCADA communications and control center improvements recommended in the SCADA Master Plan Implementation Project's (95044002) early implementation project planning work. As that project has been delayed, this project's schedule needs to be adjusted accordingly. The Project decreased in cost by $10 thousand due to the reallocation of expenditures to match the updated schedule.
- The Treated Water Isolation Valves schedule increased in cost by $4.90 million due to a previous vault design downstream of the Mann Turnout needing to be moved for constructability reasons and re-designed for a new location, increased procurement cost of equipment, and fewer bidders in the market. The schedule is extended by one year due to unavailable resources and adjustments to match the Long-Term Shutdown Schedule. The change to the project scope reduces the number of valves to be constructed from three valves to two valves.
- The Penitencia Water Treatment Plant (PWTP) Residuals Management increased in cost by $53.87 million which include Valley Water labor, revised engineer's estimate, and updated construction contract costs. The schedule is extended by three years due to an unexpected lengthy environmental review, additional coordinated work required to implement the changes in project scope. Additional scope changes have been incorporated and will be constructed: Replacing sedimentation basin telescoping valves and underflow pumps with submersible pumps, adding plate settlers in the proposed washwater clarification facility basins, increasing the size of gravity thickener tanks, adding one sludge mixing tank (for a total of two tanks), adding standby pumps for proposed major facilities and chemical systems, adding an electrical transformer and back-up generator to support the increased power demands, constructing separate buildings for electrical and chemical equipment, replacement of washwater basins and pump station, relocation of on-site solar field power interconnection to new facilities. and integration of lessons learned from the Rinconada Water Treatment Plant Residuals Remediation Project, determination of methods to integrate this project with the on-site solar field, and strategy to minimize plant outages during construction and procurement lead time for materials and equipment.
- The Water Treatment Plant Electrical Improvement decreased in cost by $1.06 million due to the change in schedule, which was extended by one year. The project was put on hold at the end of March 2024 due to unanticipated reduced staffing resources, resulting in delays to the design, construction, and close-out phases.
- The San José Purified Water Project (SJPWP) - Phase 1 increased in cost by $62.08 million. On February 27, 2024, the Board directed staff to place the Palo Alto Purified

Water Project (PAPWP) on the CIP unfunded list due to affordability and instead add to the CIP an expedited potable reuse project with the City of San José to design and build a direct potable reuse (DPR) demonstration facility, which is the San José Purified Water Project (SJPWP) - Phase 1. The initial estimate was based on preliminary information. Adoption of the Direct Potable Reuse (DPR) regulations has also provided a clearer picture of future regulatory requirements and facility demonstration requirements that will enable the development of a full-scale purification facility. The overall project schedule is extended by one year due to the delay in obtaining the necessary agreements with the project partners, City of San José and City of Santa Clara, resulting in extension of the project completion into FY31. Following the addition of the SJPWP to the CIP, the project was further defined to determine size, flow and location. In addition, the Project Management Consultant (PMC) for the PAPWP transitioned from providing services for the PAPWP to the new SJPWP - Phase 1. The scope of services for the agreement has been amended to close out tasks pertaining to PAPWP, to add the scope of services for the SJPWP - Phase 1, which consists of a DPR demonstration facility and the initial planning phase of Phase 2, the full-scale DPR facility, to extend the agreement expiration date by three years, and to incorporate administrative updates. The budget for the PMC was also transferred to the SJPWP (in the CIP), and the project design, construction costs and schedule have been updated to reflect the updated project definition. Expenditures previously not included in the SJPWP have been updated to include items such as Staff funding agreements between Valley Water and the City of San José, as well as the City of Santa Clara, updated Staff hours to better reflect the level of effort required for work related to CEQA, construction management, inspections, regulatory compliance monitoring, surveying, project management, and updated costs for the design and construction of the demonstration facility or Phase 1.

- The Land Rights - South County Recycled Water Pipeline schedule is extended by one year. Environmental reviews, utility verification, and right-of-way agreements are delayed due to the preparation of the CEQA initial determination memorandum and right-of-way agreements needed to verify the location of the pipeline installed by developers. The Project increased in cost by $152 thousand due to the reallocation of expenditures to match the updated schedule.
- The South County Recycled Water Pipeline Short-Term Implementation Phase 2 schedule is extended by one year to reflect delayed planning, design, and construction of the last remaining residential development in the City of Gilroy, which also impacts the completion of recycled water pipeline conveyance with our private development partners. Residential development delays stemming from the COVID pandemic have delayed project completion.

Small Capital Improvement Project Updates

Small Capital Improvement project forecasts undergo annual revisions, adjusting asset rehabilitation projects based on asset condition and project requirements, and updating the project costs according to market conditions. These revisions to both schedule and costs result in several minor changes in expected expenditures over the forecasted period.

- Small Capital Improvements, San Felipe Reaches 1-3 Project decreased in cost by $34.43 million.
- Small Capital Improvements, Raw Water Transmission Project decreased in cost by $3.47 million.
- Small Capital Improvements, Water Treatment Project increased in cost by $29.23 million.

New Capital Improvement Projects Included

Two new Water Supply capital projects were approved by the Board for inclusion in the CIP Draft FY 2026-30 Five-Year Plan, the Coyote Dam Seismic Stability Project and the Pipeline Maintenance Program (which included five sub-projects).

- The Coyote Dam Seismic Retrofit Project will enhance dam safety by installing a downstream filter and drainage system to address seismic-related cracking risks, replace the downstream alluvium foundation which is prone to liquefaction, and modify the spillway to manage Probable Maximum Flood events. The estimated project cost is $406.48 million and the project duration is expected to last 14 years.
- The Pipeline Maintenance Program will encompass several ongoing pipeline projects, at this time, five sub-projects has been indentified under the Program. The projects will update the Pipeline Maintenance Program and Environmental Impact Report for future efforts, conduct dewatering and inspect Valley Water pipelines and tunnels, assess pipeline condition (maintain, repair and coat as necessary), fix or replace distressed pipe sections, update line valves, flow meters, and piping. The estimated project cost is $55.39 million and the project is ongoing.

Water Supply Capital Improvements

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 2024-25.

Water Supply Funding Schedule ($K)

Project Number	PROJECT NAME	Through FY24	FY25*	FY25 Unspent	FY26	FY27	FY28	FY29	FY30	FY31-40	TOTAL
	STORAGE FACILITIES										
91854001	Almaden Dam Improvements	9,538	-	64	92	163	171	179	21,650	6,703	38,495
91854003	Almaden Calero Canal Rehabilitation	5,330	718	-	659	17,538	48	-	-	-	24,292
91864005	Anderson Dam Seismic Retrofit (C1)	212,770	45,111	28,121	24,184	146,275	158,242	192,921	216,593	972,755	1,968,851
91864006	Anderson Dam Tunnel	209,192	42,426	5,873	42,682	546	410	-	-	-	295,256
91864007	Coyote Creek Flood Management Measures	83,173	31,419	15,588	-	-	-	-	-	-	114,592
91864008	Coyote Creek Chillers	22,916	5,556	10	337	-	-	-	-	-	28,809
91864009	Coyote Percolation Dam Replacement	17,663	73	-	-	-	-	-	-	-	17,736
91864010	Cross Valley Pipeline Extension	11,902	499	-	-	-	-	-	-	-	12,401
91084020s	Calero and Guadalupe Dams Seismic Retrofits	37,855	4,043	1,942	10,341	8,537	15,549	52,719	80,451	107,409	316,903
91884003	Coyote Dam Seismic Stability	-	-	-	867	1,452	1,461	2,981	2,218	397,497	406,476
91234002	Coyote Pumping Plant ASD Replacement	26,721	21,022	-	1,047	1,178	-	-	-	-	49,968
91084019	Dam Seismic Stability Evaluation	23,197	299	136	-	23	57	4,521	436	1,430	29,962
91214010s	Small Capital Improvements, San Felipe Reach 1-3	n/a	4,457	-	5,456	607	6,514	8,918	7,048	12,292	45,291
91954002	Pacheco Reservoir Expansion Project	144,616	-	10,820	1,427	11,090	29,145	141,121	338,513	2,066,344	2,732,258
	TRANSMISSION FACILITIES										
95084002	10-Year Pipeline Rehabilitation (FY18-FY27)	140,580	19,611	5,553	20,254	2,748	342	-	-	-	183,534
95084003	Pipeline Maintenance Program	-	-	-	627	546	228	119	125	-	1,645
95084004	East Pipeline Inspection & Rehabilitation	-	-	-	1,992	4,185	1,027	8,724	461	-	16,389
95084005	Penitencia Delivery Main and Force Main Inspection & Rehabilitation	-	-	-	1,780	3,301	171	-	-	-	5,252
95084006	Santa Teresa Force Main Inspection & Rehabilitation	-	-	-	587	730	1,446	664	-	-	3,426
95084007	Milpitas Pipeline Inspection & Rehabilitation	-	-	-	616	1,206	2,016	11,829	373	-	16,040
95084008	Santa Clara and Campbell Distributary Inspection & Rehabilitation	-	-	-	-	601	628	954	10,451	-	12,633
92304001	Almaden Valley Pipeline Replacement Project	3,265	2,193	-	3,135	10,873	12,064	11,973	2,393	57,668	103,564
95044001	Distribution System Master Plan Implementation	7,902	631	-	634	131	-	-	-	-	9,297
92C40357	FAHCE Implementation	-	-	-	-	4,739	4,379	14,691	14,690	106,609	145,108
26764001	IRP2 Additional Line Valves (A3)	7,372	9,484	2,964	10,809	5,814	506	110	-	-	34,095
92144001	Pacheco/Santa Clara Conduit Right of Way Acquisition	5,914	227	1,987	55	39	-	-	-	-	6,236
95044002	SCADA Master Plan Implementation	5,709	50	208	510	212	-	-	-	-	6,480
95044004	SMPIP Upgrades - Phase 1	-	586	586	-	431	1,382	1,341	1,345	5,330	10,415
94764006	Small Capital Improvements, Treated Water Transmission	n/a	350	-	292	292	46	41	76	188	1,285
92764009	Small Capital Improvements, Raw Water Transmission	n/a	3,205	-	1,100	1,100	742	775	810	3,621	11,353
94084007	Treated Water Isolation Valves	1,880	2,011	683	2,531	842	2,575	3,291	238	-	13,369
92264001	Vasona Pump Station Upgrade	4,750	1,170	-	1,698	10,334	14,126	3,119	-	-	35,198
	TREATMENT FACILITIES										
93234044	PWTP Residuals Management	5,621	9,409	-	15,774	15,923	16,079	16,242	16,314	-	95,362
93294051s	RWTP Residuals Remediation	74,991	900	-	-	-	-	-	-	-	75,891
93294051	RWTP FRP Residuals Management Modifications	32,122	-	-	-	-	-	-	-	-	32,122
93294058	RWTP Residuals Remediation	42,869	900	-	-	-	-	-	-	-	43,769
93294057	RWTP Reliability Improvement	300,698	66,255	-	120,805	125,253	63,357	44,171	150	-	720,689
93294059	RWTP Ammonia Storage & Metering Facility Upgrade	630	477	-	527	2,742	2,398	-	-	-	6,774
93764004	Small Capital Improvements, Water Treatment	n/a	6,307	-	11,186	7,729	4,153	5,909	5,326	49,275	89,885
93284013	STWTP Filter Media Replacement Project	20,023	575	-	-	-	-	-	-	-	20,598
93084004	Water Treatment Plant Electrical Improvement Project	3,938	672	2,075	648	6,068	4,784	3,240	32	-	19,380
93044001	WTP Master Plan Implementation	8,461	517	-	273	-	-	-	-	-	9,251
	RECYCLED & PURIFIED WATER FACILITIES										
91294001	San Jose Purified Water Project (SJPWP) - Phase 1	3,919	5,375	45	7,394	16,990	31,840	36,630	8,576	326	111,049
91094001	Land Rights - South County Recycled Water PL	6,817	8	3,388	152	-	-	-	-	-	6,977
91094007s	South County Recycled Water Pipeline	59,799	147	435	129	31	-	-	-	-	60,107
	TOTAL	1,467,141	285,782	80,478	290,599	410,268	375,884	567,182	728,268	3,787,444	7,912,568

*FY 2025 Adjusted Budget includes adopted budget plus budget adjustments

FY 2024-25 Funds to be reappropriated

Water Supply Capital Improvements

The following table shows funding requirements from each funding source for water supply capital.

Water Supply - Funding Sources ($K)

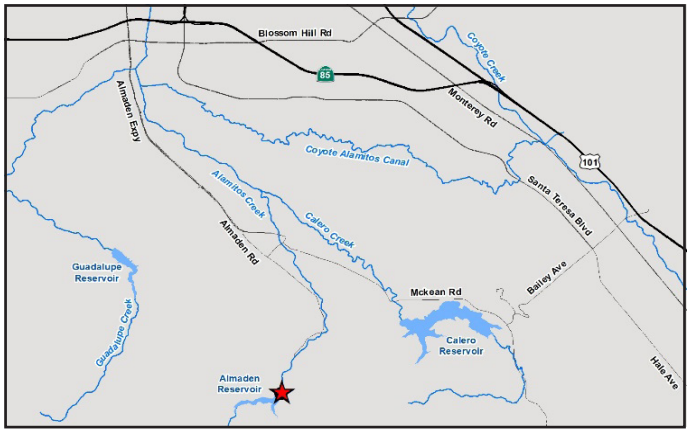
Fund Number	FUND NAME	Through FY24	FY25*	FY25 Unspent	FY26	FY27	FY28	FY29	FY30	FY31-40	TOTAL
61	Water Utility Enterprise Fund	1,467,141	285,782	80,478	290,012	409,538	374,439	566,518	728,268	3,787,444	7,909,142
26	Safe, Clean Water and Natural Flood Protection Fund	-	-	-	587	730	1,446	664	-	-	3,426
	TOTAL	1,467,141	285,782	80,478	290,599	410,268	375,884	567,182	728,268	3,787,444	7,912,568

FY 2024-25 Funds to be reappropriated

Storage Facilities

PROJECT	Almaden Dam Improvements		
PROGRAM	Water Supply – Storage	**CONTACT**	Ryan McCarter
PROJECT NO.	91854001		rmccarter@valleywater.org

Aerial view of Almaden Dam and spillway, and part of the reservoir



Location Map

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
- Modify or construct a new spillway structure
- Correct existing problems with the outlet energy dissipation structure, piping, and valves

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 50+ Years

SCHEDULE & STATUS

July 1995 to June 2031

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	5,353											
Design	4,636											
Construct	21,838											
Closeout	4											
	31,921	Total project cost may include expenditures not yet allocated to a specific phase.										

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
91854001-Almaden Dam Improvements	9,014	459	156	150	150	150	16,690	5,151	31,921
with inflation	9,014	459	156	163	171	179	21,649	6,703	38,495
Actuals include project expenditures and encumbrances.									

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
91854001-Almaden Dam Improvements	9,538	0	64	92	163	171	179	21,649	6,703	38,495
Adjusted Budget includes adopted budget plus approved budget adjustments.										

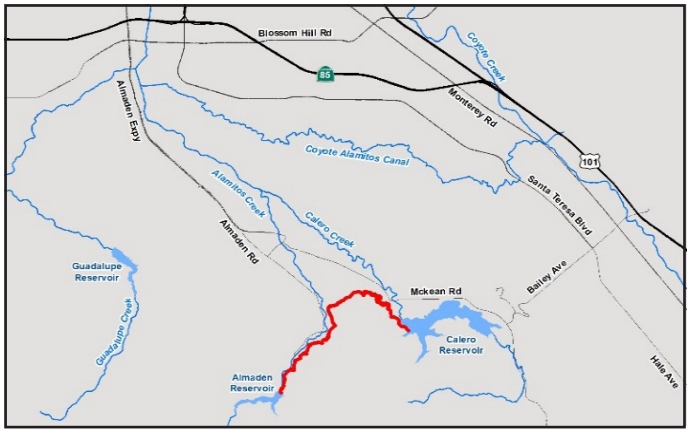
FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	38,495
Other Funding Source	0
Total	**38,495**

PROJECT	Almaden-Calero Canal Rehabilitation		
PROGRAM	Water Supply – Storage	**CONTACT**	Emmanuel Aryee
PROJECT NO.	91854003		earyee@valleywater.org

Cracks and separated lining in the canal



Location Map

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements to the Almaden-Calero Canal to restore operational capacity to the canal and stabilize and improve maintenance access, including the following:

- Replace the entire canal terminal structure and the liner along the full length of the canal
- Construct a new access road from the existing parking lot to the steel flume
- Regrade and resurface the existing maintenance road with aggregate base wearing course
- Replace the existing drains for the siphons to dewater properly
- Scale the uphill slope, install rockfall mesh, and install a buried elliptical pipe or box culvert
- Construct additional emergency overflow structures to reduce overtopping risks

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 50+ Years

SCHEDULE & STATUS

July 2023 to June 2028

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	454											
Design	6,252											
Construct	15,847											
Closeout	42											
	22,595	Total project cost may include expenditures not yet allocated to a specific phase.										

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
91854003-Almaden-Calero Canal Rehabilitation	5,329	718	659	15,847	42	0	0	0	22,595
with inflation	5,329	718	659	17,538	48	0	0	0	24,292
Actuals include project expenditures and encumbrances.									

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
91854003-Almaden-Calero Canal Rehabilitation	5,330	718	0	659	17,538	48	0	0	0	24,292
Adjusted Budget includes adopted budget plus a planned budget adjustment of $24 thousand.										

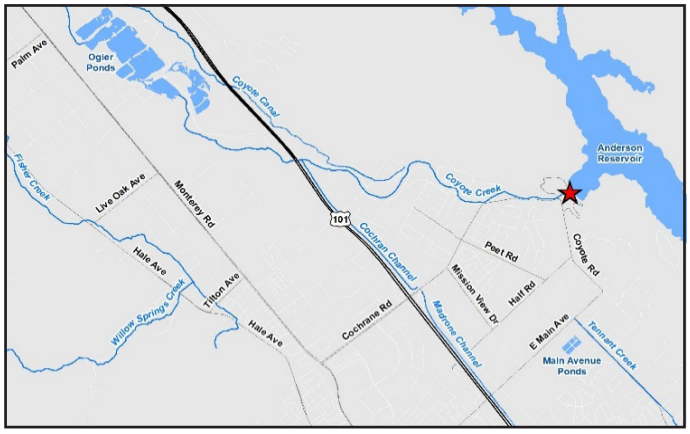
FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	24,292
Other Funding Source	0
Total	**24,292**

PROJECT	Anderson Dam Seismic Retrofit (C1)		
PROGRAM	Water Supply – Storage	**CONTACT**	Ryan McCarter
PROJECT NO.	91864005		rmccarter@valleywater.org

Aerial view of Anderson Dam, spillway, and part of the reservoir



Location Map

PROJECT DESCRIPTION

The project plans, designs, and constructs improvements to Anderson Dam to address seismic performance concerns and to rehabilitate aging appurtenant facilities.

The project will accomplish the following objectives:

- Replace most of the existing embankment dam with a well-compacted, zoned embankment dam to withstand the Maximum Credible Earthquake (MCE)
- Replace the existing outlet works to withstand the MCE and meet current California Department of Water Resources, Division of Safety of Dams (DSOD) emergency drawdown requirements
- Replace the existing spillway to convey the probable maximum flood
- Restore lost reservoir storage capacity from restrictions issued by DSOD and an order issued by Federal Energy Regulatory Commission (FERC)

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

- FOCP Anderson Dam Tunnel
- FOCP Coyote Creek Flood Management Measures
- FOCP Coyote Creek Chillers
- FOCP Coyote Percolation Dam Replacement
- FOCP Cross Valley Pipeline Extension

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 KPIs, please visit www.valleywater.org.

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 50+ Years

SCHEDULE & STATUS

January 2011 to December 2035

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	16,429											
Permits	98,489											
Design	174,621											
Construct	1,471,685											
Closeout	1,100											
	1,769,365	Total project cost may include expenditures not yet allocated to a specific phase.										

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
91864005-Anderson Dam Seismic Retrofit (C1)	203,798	25,962	52,305	132,580	141,889	171,729	191,580	849,523	1,769,365
with inflation	203,798	25,962	52,305	146,275	158,242	192,921	216,593	972,755	1,968,851
Actuals include project expenditures and encumbrances.									

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
91864005-Anderson Dam Seismic Retrofit (C1)	212,770	45,111	28,121	24,184	146,275	158,242	192,921	216,593	972,755	1,968,851
Adjusted Budget includes adopted budget plus approved budget adjustments.										

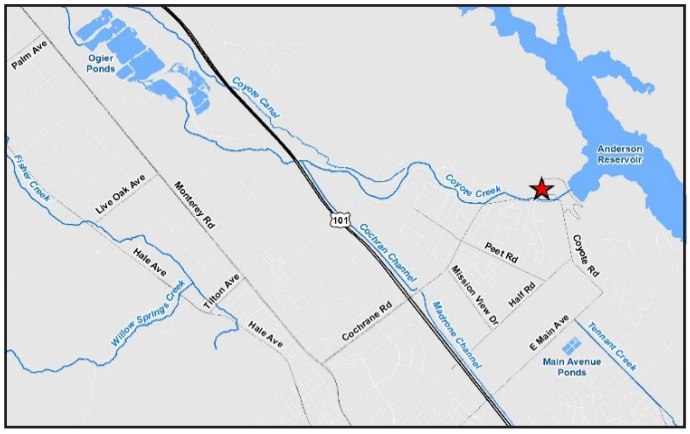
FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	1,900,797
SCVWD Safe Clean Water Fund	68,054
Other Funding Sources	0
Total	**1,968,851**
Valley Water estimates total WIFIA debt service payment for the eligible projects would be $579.4 million in principal, plus $983.2 million in interest, for a total of $1.56 billion with final payoff of the loan occurring in 2067.	

PROJECT	Anderson Dam Tunnel		
PROGRAM	Water Supply – Storage	**CONTACT**	Ryan McCarter
PROJECT NO.	91864006		rmccarter@valleywater.org

Aerial view of Anderson Dam Tunnel outlet portal work area



Location Map

PROJECT DESCRIPTION

Valley Water is undertaking the Anderson Dam Federal Energy Regulatory Commission Order Compliance Project (FOCP) as a result of the February 20, 2020 directive from the Federal Energy Regulatory Commission (FERC) to implement interim risk reduction measures at Anderson Dam. One of those measures is the Anderson Dam Tunnel Project (ADTP).

The ADTP will construct a diversion system to augment the existing outlet, which will consist of a new diversion tunnel, an outlet structure, a micro-tunnel lake tap, and modifications to Coyote Creek just downstream of the base of the dam. The ADTP also includes existing intake structure modifications.

The project objectives include:

- Comply with the FERC February 20, 2020 order and construct a new outlet system to augment the existing outlet
- Reopen the historic northern channel to convey the diversion flows anticipated during the Anderson Dam Seismic Retrofit Project (ADSRP)
- Remediate existing landslides that are in close proximity to existing residential structures
- Reinforce the existing intake structure

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 50+ Years

SCHEDULE & STATUS

February 2020 to November 2027

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	-											
Permits	1,016											
Design	12,831											
Construct	279,347											
Closeout	1,359											
	295,159	Total project cost may include expenditures not yet allocated to a specific phase.										

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
91864006-Anderson Dam Tunnel	198,131	47,614	48,555	500	359	0	0	0	295,159
with inflation	198,131	47,614	48,555	546	410	0	0	0	295,256
Actuals include project expenditures and encumbrances.									

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
91864006-Anderson Dam Tunnel	209,192	42,426	5,873	42,682	546	410	0	0	0	295,256
Adjusted Budget includes adopted budget plus approved budget adjustments.										

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	295,256
Other Funding Sources	0
Total	**295,256**

PROJECT	Coyote Creek Flood Management Measures		
PROGRAM	Flood Protection - Multiple Watersheds	**CONTACT**	Bhavani Yerrapotu
PROJECT NO.	91864007		byerrapotu@valleywater.org

Floodwall surrounding Coyote Creek outdoor classroom

Location Map

PROJECT DESCRIPTION

Valley Water is undertaking the Anderson Dam Federal Energy Regulatory Commission Order Compliance Project (FOCP) as a result of the February 20, 2020, directive from the Federal Energy Regulatory Commission (FERC) to implement interim risk reduction measures at Anderson Dam. One of those measures is the Coyote Creek Flood Management Measures Project (CCFMMP).

The goal of this project is to reduce the risk of flooding to homes, schools, businesses, and highways in the Coyote Creek floodplain from flows from the tunnel built as part of Anderson Dam Tunnel Project. This project plans, designs, and constructs improvements for approximately four miles of Coyote Creek from Old Oakland Road to Interstate 280 in San José, California. The Coyote Creek Flood Protection Project (CCFPP), when combined with this project will provide flood protection from floods up to the level that occurred in February 2017, equivalent to approximately a 5% flood (20-year event) for nine miles of Coyote Creek from Montague Expressway to Tully Road.

OPERATING COST IMPACTS

See Appendix D for opertating cost impacts.

USEFUL LIFE: 30 Years

SCHEDULE & STATUS

February 2020 to June 2028

The Permits Phase overlaps with the Construct Phase to account for regulatory compliance and monitoring.

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	-											
Permits	266											
Design	34,115											
Construct	66,450											
Closeout	440											
	101,278	Total project cost may include expenditures not yet allocated to a specific phase.										

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
91864007-Coyote Creek Flood Management Measures	80,072	18,932	819	770	685	0	0	0	101,278
with inflation	80,072	18,932	819	841	782	0	0	0	101,446
Actuals include project expenditures and encumbrances.									

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
91864007-Coyote Creek Flood Management Measures	83,173	31,419	15,588	0	0	0	0	0	0	114,592
Adjusted Budget includes adopted budget plus approved budget adjustments. Funding exceeds planned expenditures by approximately $13.146 million. Excess funds will be returned to Fund Reserves at the close of the project.										

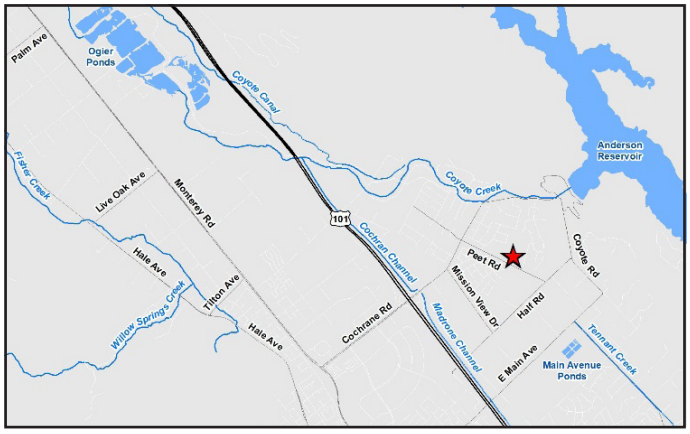
FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	114,592
Other Funding Sources	0
Total	**114,592**

PROJECT	Coyote Creek Chillers		
PROGRAM	Water Supply – Storage	**CONTACT**	Ryan McCarter
PROJECT NO.	91864008		rmccarter@valleywater.org

Example of Modular Chiller Plant



Location Map

★ Project Location

PROJECT DESCRIPTION

Valley Water is undertaking the Anderson Dam Federal Energy Regulatory Commission Order Compliance Project (FOCP) as a result of the February 20, 2020 directive from the Federal Energy Regulatory Commission (FERC) to implement interim risk reduction measures at Anderson Dam. One of those measures is the Coyote Creek Steam Augmentation Fish Project Measure Chillers Plan Project (Coyote Creek Chillers).

The project includes installation of a Modular Chiller Plant (MCP) at the southwest corner of the existing Coyote Pumping Plant, which consists of three (3) 1,500-ton capacity water-cooler packaged chillers, with one (1) of the three (3) being used as a redundant chiller unit. A new 24-inch pipe will be installed to connect to an existing 36-inch nozzle on the Cross Valley Pipeline, to allow the chillers to receive imported water.

The project objectives include:

- Cool up to 10 cubic feet per second (cfs) of raw water from 25°C to 16°C with the operation of two chillers units, which would be released at the end of the wet season and continue through the onset of the winter rains (four to five months per year)
- Chill imported water from the Cross Valley Pipeline and deliver the chilled water to the Coyote Creek to provide suitable cold-water habitat to support rainbow trout *(Oncorhynchus mykiss)* rearing, within the Creek's functional cold water management zone effectively ends at the upstream end of Ogier Ponds

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 10 Years

SCHEDULE & STATUS

July 2020 to October 2025

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	-											
Permits	5											
Design	579											
Construct	28,166											
Closeout	10											
	28,809	Total project cost may include expenditures not yet allocated to a specific phase.										

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
91864008-Coyote Creek Chillers	21,821	6,641	347	0	0	0	0	0	28,809
with inflation	21,821	6,641	347	0	0	0	0	0	28,809
Actuals include project expenditures and encumbrances.									

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
91864008-Coyote Creek Chillers	22,916	5,556	10	337	0	0	0	0	0	28,809
Adjusted Budget includes adopted budget plus approved budget adjustments.										

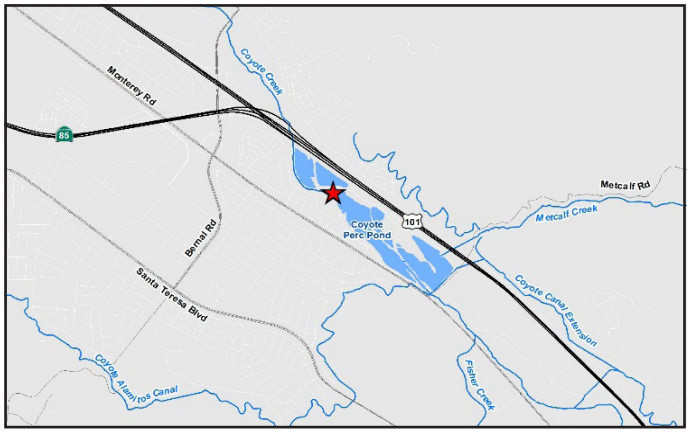
FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	28,809
Other Funding Sources	0
Total	**28,809**

PROJECT	Coyote Percolation Dam Replacement		
PROGRAM	Water Supply – Storage	**CONTACT**	Bhavani Yerrapotu
PROJECT NO.	91864009		byerrapotu@valleywater.org

Upstream view of Coyote Percolation Dam, fish ladder, and rock slope protection



Location Map

PROJECT DESCRIPTION

Valley Water is undertaking the Anderson Dam Federal Energy Regulatory Commission Order Compliance Project (FOCP) as a result of the February 20, 2020 directive from the Federal Energy Regulatory Commission (FERC) to implement interim risk reduction measures at Anderson Dam. One of those measures is the Coyote Percolation Dam Replacement Project.

The current Coyote Percolation Dam is a flashboard dam used to impound water in the Coyote Percolation Pond, an in-stream pond in Coyote Creek just north of Metcalf Road. Operation of the proposed Anderson Dam tunnel would result in flows well beyond the safe operating capabilities of Coyote Percolation Dam. The maximum release capacity of 2,500 cubic feet per second (cfs), new tunnel and existing outlet capacity combined, would overwhelm the Coyote Percolation Dam and removing the dam altogether would compromise Valley Water's ability to recharge the groundwater basins. To protect against risks to groundwater recharge and water supply reliability, this Project would replace the existing flashboard dam with an inflatable bladder dam that could quickly be raised when inflows are low (to facilitate percolation) and then lowered to allow higher flows to pass safely. Completion of the bladder dam facilities is necessary by 2025, before the Anderson Dam outlet tunnel is finished in 2026.

This project designs and constructs to accomplish the following objectives:

- Maximize the use of the pond without increasing the risk of flooding by efficiently and safely deflating the bladder dam during high flow events
- Preserve Valley Water's ability to impound water and maximize percolation into the groundwater basin
- Improve fish passage during low pond level events by replacing stationary panels with adjustable panels
- Perform operations and maintenance in a more environmentally sensitive manner by minimizing the need for instream construction equipment or activities

This project is anticipated to be completed and closed by June 30, 2025.

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: Rubber Dam - 25 Years
Concrete Structures - 50 Years

SCHEDULE & STATUS

June 2020 to June 2025

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	-											
Permits	9											
Design	2,300											
Construct	15,417											
Closeout	-											
17,736	Total project cost may include expenditures not yet allocated to a specific phase.											

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
91864009-Coyote Percolation Dam Replacement	15,588	2,149	0	0	0	0	0	0	17,736
with inflation	15,588	2,149	0	0	0	0	0	0	17,736
Actuals include project expenditures and encumbrances.									

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
91864009-Coyote Percolation Dam Replacement	17,663	73	0	0	0	0	0	0	0	17,736
Adjusted Budget includes adopted budget plus approved budget adjustments.										

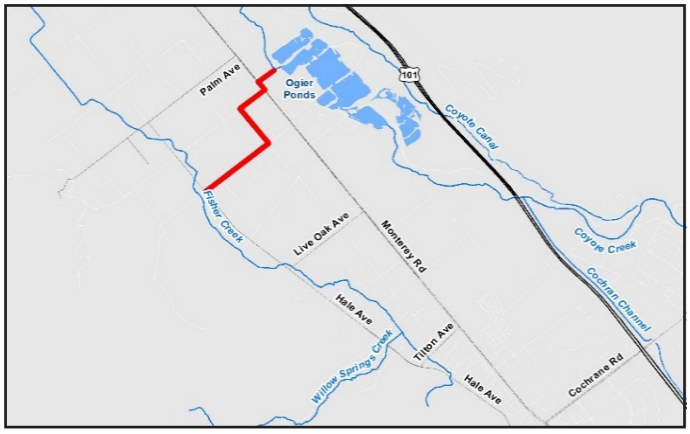
FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	17,736
Other Funding Sources	0
Total	**17,736**
Valley Water estimates total WIFIA debt service payment for the eligible projects would be $579.4 million in principal, plus $983.2 million in interest, for a total of $1.56 billion with final payoff of the loan occurring in 2067.	

PROJECT	Cross Valley Pipeline Extension		
PROGRAM	Water Supply – Storage	**CONTACT**	Ryan McCarter
PROJECT NO.	91864010		rmccarter@valleywater.org

View looking downsteam of Coyote Creek at the outfall of CVPEP



Location Map

PROJECT DESCRIPTION

Valley Water is undertaking the Anderson Dam Federal Energy Regulatory Commission Order Compliance Project (FOCP) as a result of the February 20, 2020, directive from the Federal Energy Regulatory Commission (FERC) to implement interim risk reduction measures at Anderson Dam. One of those measures is the Cross Valley Pipeline Extension Project (CVPEP).

The CVPEP entails constructing a new pipeline to convey imported water from the Cross Valley Pipeline to Coyote Creek to supplement flows during construction of the Anderson Dam Seismic Retrofit Project (ADSRP) downstream of Ogier Ponds. The project scope includes constructing an outfall which will include an energy dissipator, and creek bank improvements.

The project objectives include:

- Construct 7,100-feet of 36-inch diameter welded steel pipeline between the existing Cross Valley Pipeline, at the intersection of Hale Avenue and San Bruno Avenue, and Coyote Creek
- Deliver imported water though the new pipeline extension to supplement flows in Coyote Creek during drought, dry seasons, and during the 10-year construction of the ADSRP

This project is anticipated to be completed and closed by June 30, 2025.

OPERATING COST IMPACTS

See Appendix D for operating cost impacts

USEFUL LIFE: 50+ Years

SCHEDULE & STATUS

June 2020 to January 2025

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	-											
Permits	7											
Design	170											
Construct	11,870											
Closeout	10											
12,401	Total project cost may include expenditures not yet allocated to a specific phase.											

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
91864010-Cross Valley Pipeline Extension	11,695	706	0	0	0	0	0	0	12,401
with inflation	11,695	706	0	0	0	0	0	0	12,401
Actuals include project expenditures and encumbrances.									

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
91864010-Cross Valley Pipeline Extension	11,902	499	0	0	0	0	0	0	0	12,401
Adjusted Budget includes adopted budget plus approved budget adjustments.										

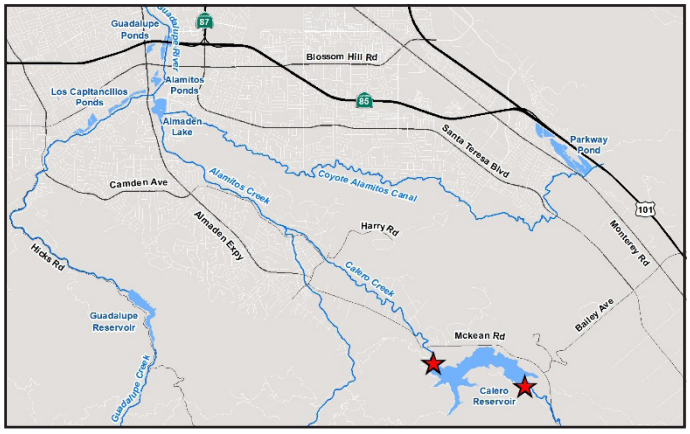
FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	6,584
Department of Water Resources (DWR)	5,817
Other Funding Sources	0
Total	**12,401**

PROJECT	Calero Dam Seismic Retrofit-Design & Construction		
PROGRAM	Water Supply – Storage	**CONTACT**	Ryan McCarter
PROJECT NO.	91874004		rmccarter@valleywater.org

Aerial view of the Calero Dam and reservoir



Location Map

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 (MCE)
- Modify or replace the outlet works if determined to be inadequate
- Modify the spillway or increase freeboard of the dam for safe passage of the Probable Maximum Flood (PMF)
- Remove or relocate the Bailey Ranch structures and breach Fellow's Dike

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 50+ Years

SCHEDULE & STATUS

January 2015 to June 2035

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	4,650											
Design	26,976											
Construct	109,602											
Closeout	8											
	141,391	Total project cost may include expenditures not yet allocated to a specific phase.										

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
91874004-Calero Dam Seismic Retrofit-Design & Construct	13,761	3,975	6,312	5,918	11,070	34,741	34,741	30,873	141,391
with inflation	13,761	3,975	6,312	6,463	12,897	40,880	41,134	37,012	162,434
Actuals include project expenditures and encumbrances.									

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
91874004-Calero Dam Seismic Retrofit-Design & Construct	13,797	3,939	0	6,312	6,463	12,897	40,880	41,134	37,012	162,434
Adjusted Budget includes adopted budget plus a planned budget adjustment of $923 thousand.										

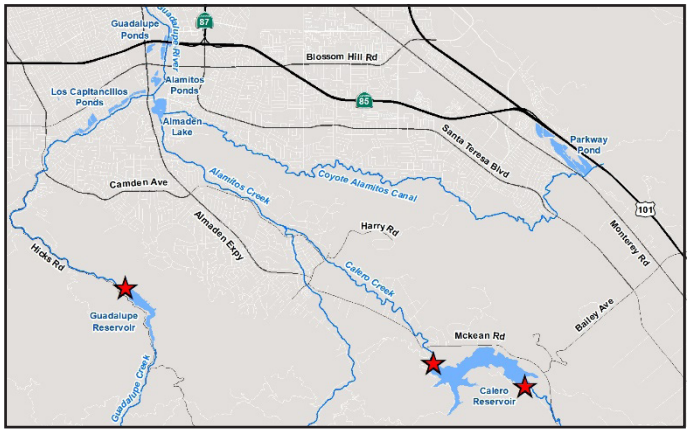
FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	162,434
Other Funding Source	0
Total	**162,434**

PROJECT	Calero and Guadalupe Dams Seismic Retrofits		
PROGRAM	Water Supply – Storage	**CONTACT**	Ryan McCarter
PROJECT NO.	91084020		rmccarter@valleywater.org

Aerial view of the Guadalupe Dam, spillway, and part of the reservoir



Location Map

★ Project Location

PROJECT DESCRIPTION

This project will complete the planning, environmental, and permitting efforts for both the Calero and Guadalupe Dams. The project 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 freeboard of the dam for safe passage of the Probable Maximum Flood (PMF)
- Provide modifications that do not preclude potential future expansion of the 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

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 50+ Years

SCHEDULE & STATUS

August 2012 to June 2028

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	12,839											
Design	112											
Construct	-											
Closeout	-											
	13,592	Total project cost may include expenditures not yet allocated to a specific phase.										

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
91084020-Calero and Guadalupe Dams Seismic Retrofits-Planning	10,890	119	1,176	664	743	0	0	0	13,592
with inflation	10,890	119	1,176	725	848	0	0	0	13,758
Actuals include project expenditures and encumbrances.									

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
91084020-Calero and Guadalupe Dams Seismic Retrofits-Planning	12,807	0	1,798	0	103	848	0	0	0	13,758
TOTAL	12,807	0	1,798	0	103	848	0	0	0	13,758
Adjusted Budget includes adopted budget plus approved budget adjustments.										

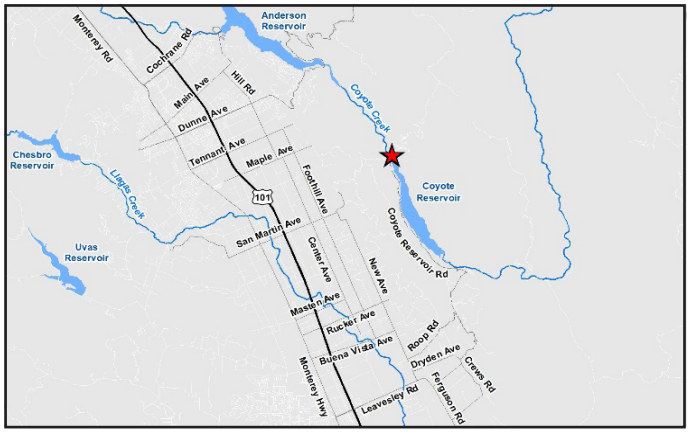
FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	13,758
Other Funding Source	0
Total	**13,758**

PROJECT	Coyote Dam Seismic Stability		
PROGRAM	Water Supply – Storage	**CONTACT**	Ryan McCarter
PROJECT NO.	91884003		rmccarter@valleywater.org

Aerial photo from downstream during February 2017 storm event



Location Map

★ Project Location

PROJECT DESCRIPTION

This project plans, designs, and constructs improvement to the Coyote Dam to accomplish the following objectives:

- Stabilize the embankment to withstand a Maximum Credible Earthquake (MCE)
- Modify the spillway and/or increase freeboard of the dam for safe passage of the Probable Maximum Flood (PMF)

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 50+ Years

SCHEDULE & STATUS

July 2025 to June 2039

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	2,137											
Permits	2,070											
Design	16,130											
Construct	229,400											
Closeout	300											
	250,037	Total project cost may include expenditures not yet allocated to a specific phase.										

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
91884003-Coyote Dam Seismic Stability	0	0	867	1,330	1,280	2,500	1,780	242,280	250,037
with inflation	0	0	867	1,452	1,461	2,981	2,218	397,496	406,476
Actuals include project expenditures and encumbrances.									

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
91884003-Coyote Dam Seismic Stability	0	0	0	867	1,452	1,461	2,981	2,218	397,496	406,476
Adjusted Budget includes adopted budget plus approved budget adjustments.										

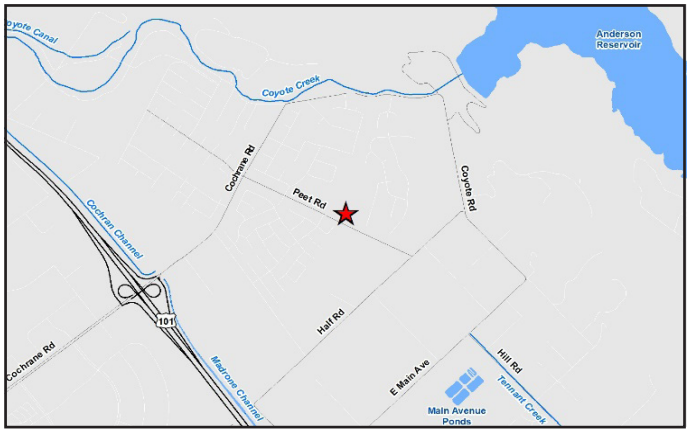
FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	406,476
Other Funding Sources	0
Total	**406,476**

PROJECT	Coyote Pumping Plant ASD Replacement		
PROGRAM	Water Supply - Storage	**CONTACT**	Emmanuel Aryee
PROJECT NO.	91234002		earyee@valleywater.org

ASD motors at the Coyote Pumping Plant



Location Map

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 near the end of their service life
- Replace motor control equipment line-up with new switchgears
- Install a pump motor vibration monitoring system, power monitoring system, and motor control center (MCC)

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: Not Available

SCHEDULE & STATUS

July 2017 to June 2027

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	980											
Design	7,864											
Construct	40,220											
Closeout	84											
	49,869	Total project cost may include expenditures not yet allocated to a specific phase.										

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
91234002-Coyote Pumping Plant ASD Replacement	8,951	38,791	1,047	1,079	0	0	0	0	49,869
with inflation	8,951	38,791	1,047	1,178	0	0	0	0	49,968
Actuals include project expenditures and encumbrances.									

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
91234002-Coyote Pumping Plant ASD Replacement	26,721	21,022	0	1,047	1,178	0	0	0	0	49,968
Adjusted Budget includes adopted budget plus approved budget adjustments.										

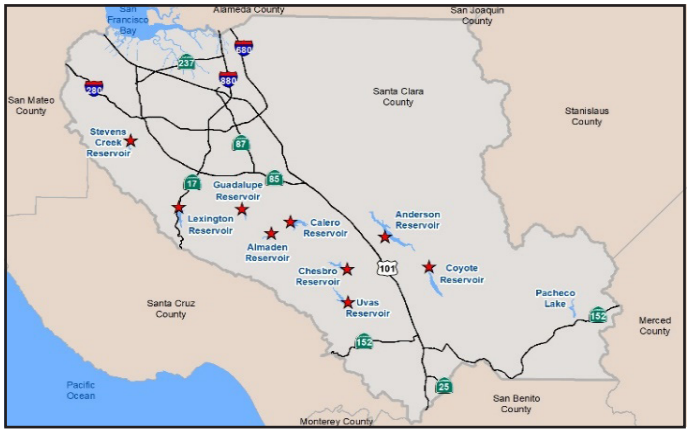
FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	49,968
Other Funding Sources	0
Total	**49,968**

PROJECT	Dam Seismic Stability Evaluations		
PROGRAM	Water Supply – Storage	**CONTACT**	Ryan McCarter
PROJECT NO.	91084019		rmccarter@valleywater.org

Field exploration for seismic stability evaluations



Location Map

PROJECT DESCRIPTION

This project conducts preliminary planning (seismic stability evaluation) for ten 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 five of the dams identified on the map above. The evaluations for Almaden, Calero, Coyote, Guadalupe, Lenihan, and Stevens Creek Dams have been completed as part of this project, while the evaluations for Chesbro, Uvas, Vasona and Rinconada are scheduled to continue through 2033. 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.

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: TBD

SCHEDULE & STATUS

August 2009 to June 2033

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	28,756											
Design	-											
Construct	-											
Closeout	-											
28,756	Total project cost may include expenditures not yet allocated to a specific phase.											

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
91084019-Dam Seismic Stability Evaluations	23,061	299	105	50	50	3,791	350	1,050	28,756
with inflation	23,061	299	105	54	57	4,521	436	1,430	29,963
Actuals include project expenditures and encumbrances.									

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
91084019-Dam Seismic Stability Evaluations	23,197	299	136	0	23	57	4,521	436	1,430	29,963
Adjusted Budget includes adopted budget plus approved budget adjustments.										

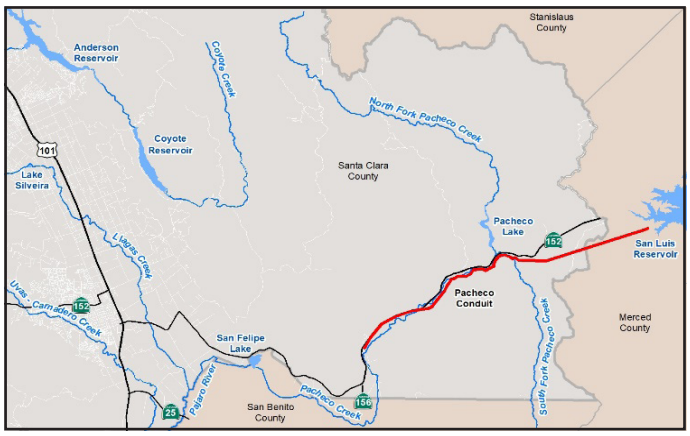
FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	29,963
Other Funding Source	0
Total	**29,963**

PROJECT	Small Capital Improvements, San Felipe		
PROGRAM	Water Supply – Storage	**CONTACT**	Greg Williams
PROJECT NO.	91214010s		gwilliams@valleywater.org

Example of bacterial corrosion on a suction wear ring of an impeller



Location Map

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.

Projects for FY26 include:

- 91214010 – Reach 1: Rebuild of Pacheco Pumping Plant Pump #8
- 91224010 – Reach 2: No work planned in FY26
- 91234010 – Reach 3: Replace existing end-of-life staff trailers, Coyote Discharge Line – Replace meter vault instrumentation, overhaul, and recoat two 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.

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: Not Applicable

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.

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	n/a											
Design	n/a											
Construct	n/a											
Closeout	n/a											
	n/a											

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
91214010-Small Capital Improvements, San Felipe Reach 1	n/a	3,110	2,289	136	5,501	7,463	5,496	3,167	27,162
with inflation	n/a	3,110	2,289	149	6,278	8,900	6,849	4,370	31,944
91224010-Small Capital Improvements, San Felipe Reach 2	n/a	0	0	0	0	0	0	0	0
with inflation	n/a	0	0	0	0	0	0	0	0
91234010-Small Capital Improvements, San Felipe Reach 3	n/a	1,347	3,167	419	207	15	160	5,392	10,707
with inflation	n/a	1,347	3,167	458	236	18	199	7,922	13,347
TOTAL	**0**	**4,457**	**5,456**	**555**	**5,708**	**7,478**	**5,656**	**8,559**	**37,869**
with inflation	**0**	**4,457**	**5,456**	**606**	**6,514**	**8,918**	**7,048**	**12,293**	**45,292**

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
91214010-Small Capital Improvements, San Felipe Reach 1	n/a	3,110	0	2,289	149	6,278	8,900	6,849	4,370	31,944
91224010-Small Capital Improvements, San Felipe Reach 2	n/a	0	0	0	0	0	0	0	0	0
91234010-Small Capital Improvements, San Felipe Reach 3	n/a	1,347	0	3,167	458	236	18	199	7,922	13,347
TOTAL	**0**	**4,457**	**0**	**5,456**	**606**	**6,514**	**8,918**	**7,048**	**12,293**	**45,292**

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.

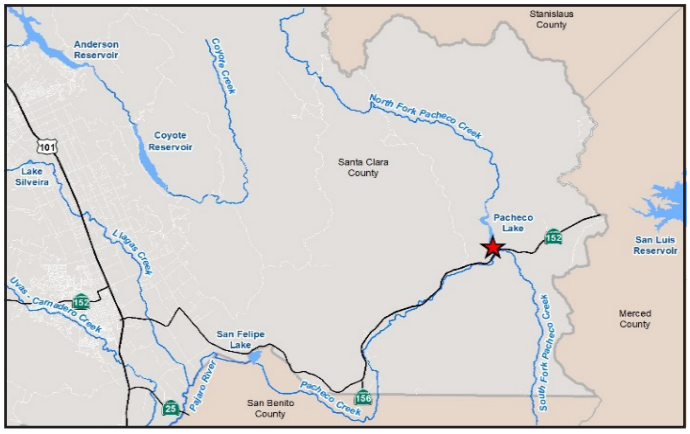
FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	33,430
San Benito County Water District	11,862
Total	**45,292**

PROJECT	Pacheco Reservoir Expansion Project		
PROGRAM	Water Supply – Storage	**CONTACT**	Ryan McCarter
PROJECT NO.	91954002		rmccarter@valleywater.org

Aerial view of Pacheco Reservoir



Location Map

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 Valley Water Board of Directors gave direction to staff to pursue project partners to fund 35% of the project cost which would result in a net storage capacity of 91,000 acre-feet available for Valley Water use.

The project objectives include:

- 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
- Increase suitable habitat within Pacheco Creek for federally threatened steelhead
- Develop water supplies for environmental water management that support habitat management and other environmental water needs

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 50+ Years

SCHEDULE & STATUS

December 2018 to December 2036

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	50,720											
Design	150,049											
Construct	2,006,773											
Closeout	360											
	2,208,814	Total project cost may include expenditures not yet allocated to a specific phase.										

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
91954002-Pacheco Reservoir Expansion Project	129,212	4,584	12,246	10,155	25,540	115,034	273,097	1,638,946	2,208,814
with inflation	129,212	4,584	12,246	11,090	29,145	141,122	338,513	2,066,347	2,732,259
Actuals include project expenditures and encumbrances.									

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
91954002-Pacheco Reservoir Expansion Project	144,616	0	10,820	1,427	11,090	29,145	141,122	338,513	2,066,347	2,732,259
Adjusted Budget includes adopted budget plus approved budget adjustments.										

FUNDING SOURCES

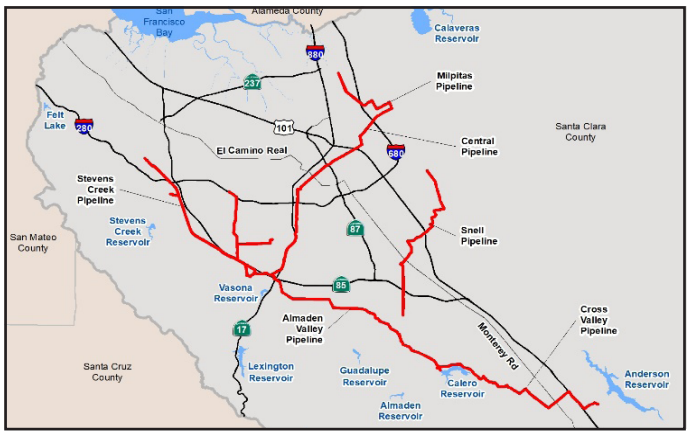
(in thousands $)

SCVWD Water Utility Enterprise Fund	1,448,368
California Water Commission	504,000
35% Partnership Contributions 4/14/2021 Board Direction (Unsecured)	779,891
Total	**2,732,259**
Valley Water estimates total WIFIA debt service payment for this project would be $1.449 billion in principal, plus $1.252 billion in interest, for a total of $2.701 billion with final payoff of the loan occurring in 2067.	

Transmission Facilities

PROJECT	10-Year Pipeline Inspection & Rehabilitation		
PROGRAM	Water Supply – Transmission	**CONTACT**	Emmanuel Aryee
PROJECT NO.	95084002		earyee@valleywater.org

A typical rehabilitated line valve assembly



Location Map

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
- Develop a pipeline asset risk management system that includes geographic information systems, 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 includes inspection and renewal work along the various pipelines and tunnels as identified below:

- West Pipeline Phase I
- West Pipeline Phase II

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 50+ Years

SCHEDULE & STATUS

July 2017 to November 2027

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	5,338											
Design	26,017											
Construct	149,067											
Closeout	697											
	183,244	Total project cost may include expenditures not yet allocated to a specific phase.										

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
95084002-10-Year Pipeline Inspection & Rehabilitation	135,026	19,611	25,807	2,500	300	0	0	0	183,244
with inflation	135,026	19,611	25,807	2,748	342	0	0	0	183,534
Actuals include project expenditures and encumbrances.									

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
95084002-10-Year Pipeline Inspection & Rehabilitation	140,580	19,611	5,553	20,254	2,748	342	0	0	0	183,534
Adjusted Budget includes adopted budget plus approved budget adjustments.										

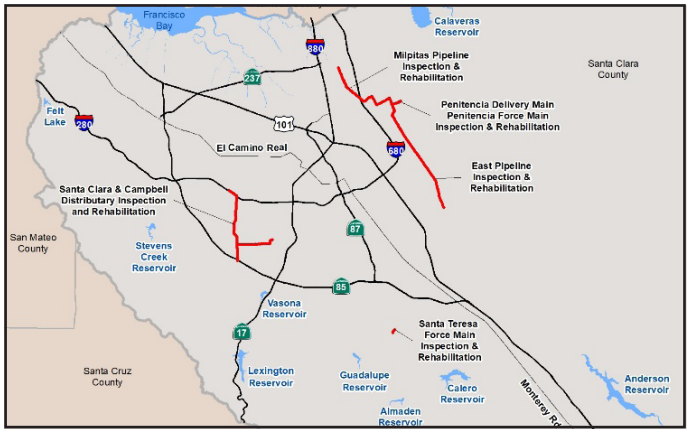
FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	183,534
Other Funding Sources	0
Total	**183,534**

PROJECT	Pipeline Maintenance Program		
PROGRAM	Water Supply – Transmission	**CONTACT**	Emmanuel Aryee
PROJECT NO.	95084003		Earyee@valleywater.org

Typical Pipeline Maitenance Program Projects



Location Map

PROJECT DESCRIPTION

The Pipeline Maintenance Program (PMP) is a process and procedural program that provides long-term guidance for the implementation of pipeline inspection and maintenance work and includes the continuation of the 10-Year Pipeline Inspection & Rehabilitation Program and involves planning for the condition assessment, design, and construction activities required for renewal of Valley Water's large diameter pipelines and tunnels. The PMP work include updating the environmental documents, program budget, and creating projects to inspect and rehabilitate the pipelines that Valley Water owns or maintains to ensure the delivery of clean and safe water to Valley Water customers.

The project objectives are to increase the useful life of the pipeline through the implementation of repairs and modernization of appurtenances and facilities. Currently planned inspection and renewal work for various pipelines and tunnels are identified below:

- East Pipeline Inspection & Rehabilitation Project (EPL I&R) - 95084004
- Penitencia Delivery Main and Force Main Inspection & Rehabilitation Project (PDM PFM I&R) - 95084005
- Santa Teresa Force Main Pipeline Inspection & Rehabilitation Project (STFM I&R) - 95084006
- Milpitas Pipeline Inspection & Rehabilitation Project (MPL I&R) - 95084007
- Santa Clara and Campbell Distributary Inspection & Rehabilitation Project (SCD I&R) - 95084008

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 50+ Years

SCHEDULE & STATUS

July 2025 to June 2030

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	1,527											
Permits	-											
Design	-											
Construct	-											
Closeout	-											
1,527	Total project cost may include expenditures not yet allocated to a specific phase.											

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
95084003-Pipeline Maintenance Program	0	0	627	500	200	100	100	0	1,527
with inflation	0	0	627	546	228	119	125	0	1,645
Actuals include project expenditures and encumbrances.									

FUNDING SCHEDULE

(in thousands $)

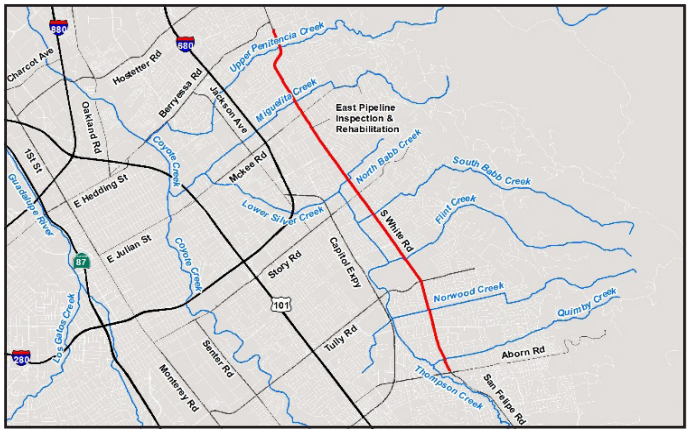
	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
95084003-Pipeline Maintenance Program	0	0	0	627	546	228	119	125	0	1,645
Adjusted Budget includes adopted budget plus approved budget adjustments.										

FUNDING SOURCES

SCVWD Water Utility Enterprise Fund	1,645
Other Funding Sources	0
Total	**1,645**

PROJECT	East Pipeline Inspection & Rehabilitation		
PROGRAM	Water Supply – Transmission	**CONTACT**	Emmanuel Aryee
PROJECT NO.	95084004		Earyee@valleywater.org

A valve that to be replaced as a part of the project



Location Map

PROJECT DESCRIPTION

The project will inspect the pipeline, plan, design, and construct the identified rehabilitation measures. The objective of the project is to perform condition assessments and structural inspections to identify distressed pipe sections and defective appurtenances, improve vault accessibility, implement repairs, rehabilitate and replace old and defective appurtenances, update electrical and controls systems and rehabilitate corrosion protection systems.

The project will also include the installation of an additional line valve that allows for damaged portions of the system to be isolated to ensure the use of undamaged portions to convey treated water to the retailers and would allow portions of the system to be isolated for maintenance without shutting down the entire pipeline.

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 50+ Years

SCHEDULE & STATUS

July 2025 to March 2030

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	-											
Permits	366											
Design	1,292											
Construct	12,424											
Closeout	180											
14,262	Total project cost may include expenditures not yet allocated to a specific phase.											

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
95084004-East Pipeline Inspection & Rehabilitation	0	0	1,992	3,900	900	7,100	370	0	14,262
with inflation	0	0	1,992	4,185	1,027	8,724	461	0	16,389
Actuals include project expenditures and encumbrances.									

FUNDING SCHEDULE

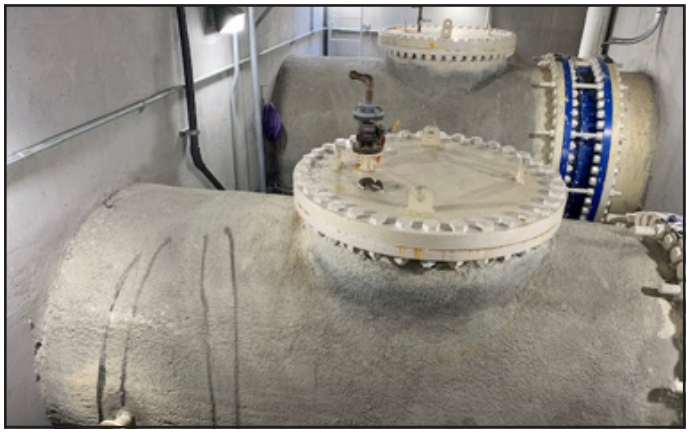
(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
95084004-East Pipeline Inspection & Rehabilitation	0	0	0	1,992	4,185	1,027	8,724	461	0	16,389
Adjusted Budget includes adopted budget plus approved budget adjustments.										

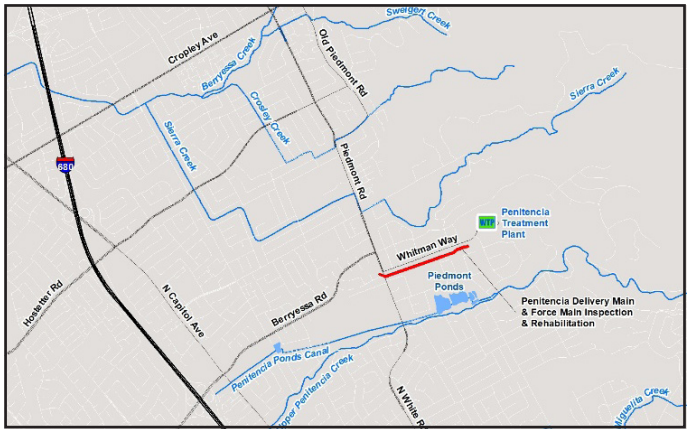
FUNDING SOURCES

SCVWD Water Utility Enterprise Fund	16,389
Other Funding Sources	0
Total	**16,389**

PROJECT	Penitencia Delivery Main and Force Main Inspection & Rehabilitation		
PROGRAM	Water Supply – Transmission	**CONTACT**	Emmanuel Aryee
PROJECT NO.	95084005		Earyee@valleywater.org



View of the Penitencia Delivery Main & Force Main & Vault



Location Map

PROJECT DESCRIPTION

The project will inspect the pipeline, plan, design, and construct the identified rehabilitation measures. The objective of the project is to perform condition assessments and structural inspections to identify distressed pipe sections and defective appurtenances, improve vault accessibility, implement repairs, rehabilitate and replace old and defective appurtenances, update electrical and controls systems and rehabilitate corrosion protection systems.

Acoustic Fiber Optic (AFO) monitoring system will be installed as part of this project to allow monitoring of the pre-stressed concrete cylinder pipe condition without needing a pipeline shutdown and service interruption. The project will also include the installation of valve and appurtenances that will allows for damaged portions of the system to be isolated to ensure the use of undamaged portions to convey treated water to the retailers and would allow portions of the system to be isolated for maintenance without shutting down the entire pipeline.

OPERATING COST IMPACTS

See Appendix D for Operating cost impacts.

USEFUL LIFE: 50 Years

SCHEDULE & STATUS

July 2025 to June 2028

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	-											
Permits	-											
Design	775											
Construct	4,170											
Closeout	85											
5,030	Total project cost may include expenditures not yet allocated to a specific phase.											

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
95084005-Penitencia Delivery Main and Force Main Inspection & Rehabilitation	0	0	1,780	3,100	150	0	0	0	5,030
with inflation	0	0	1,780	3,301	171	0	0	0	5,252
Actuals include project expenditures and encumbrances.									

FUNDING SCHEDULE

(in thousands $)

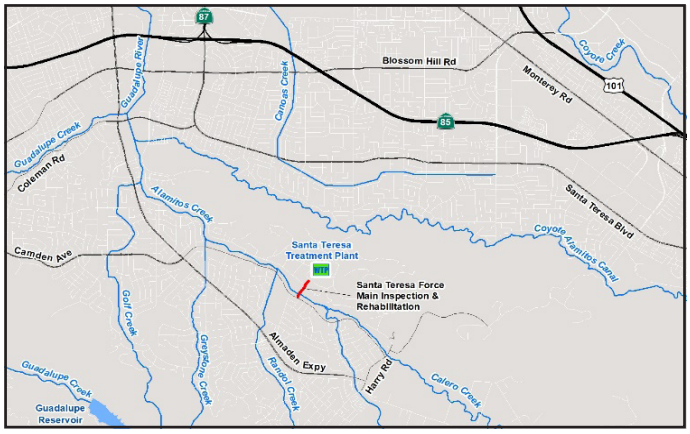
	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
95084005-Penitencia Delivery Main and Force Main Inspection & Rehabilitation	0	0	0	1,780	3,301	171	0	0	0	5,252
Adjusted Budget includes adopted budget plus approved budget adjustments.										

FUNDING SOURCES

SCVWD Water Utility Enterprise Fund	5,252
Other Funding Sources	0
Total	**5,252**

PROJECT	Santa Teresa Force Main Inspection & Rehabilitation		
PROGRAM	Water Supply – Transmission	**CONTACT**	Emmanuel Aryee
PROJECT NO.	95084006		Earyee@valleywater.org

Piping and valves on the Santa Teresa Force Main



Location Map

PROJECT DESCRIPTION

The project will inspect the pipeline, plan, design, and construct the identified rehabilitation measures. The objective of the project is to perform condition assessments and structural inspections to identify distressed pipe sections and defective appurtenances, improve vault accessibility, implement repairs, rehabilitate and replace old and defective appurtenances, update electrical and controls systems, and rehabilitate corrosion protection systems.

The project will also include the installation of an additional line valve that allows for damaged portions of the system to be isolated to ensure the use of undamaged portions to convey treated water to the retailers and would allow portions of the system to be isolated for maintenance without shutting down the entire pipeline.

OPERATING COST IMPACTS

See Appendix D for operating cost impacts

USEFUL LIFE: 50+ Years

SCHEDULE & STATUS

July 2025 to January 2029

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	-											
Permits	88											
Design	648											
Construct	2,309											
Closeout	89											
	3,134	Total project cost may include expenditures not yet allocated to a specific phase.										

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
95084006-Santa Teresa Force Main Inspection & Rehabilitation	0	0	587	662	1,296	589	0	0	3,134
with inflation	0	0	587	730	1,446	664	0	0	3,426
Actuals include project expenditures and encumbrances.									

FUNDING SCHEDULE

(in thousands $)

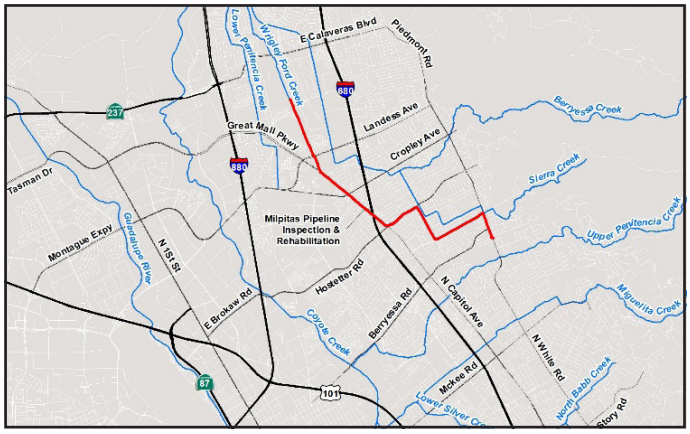
	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
95084006-Santa Teresa Force Main Inspection & Rehabilitation	0	0	0	587	730	1,446	664	0	0	3,426
Adjusted Budget includes adopted budget plus approved budget adjustments.										

FUNDING SOURCES

SCVWD Water Utility Enterprise Fund	3,426
Other Funding Sources	0
Total	**3,426**

PROJECT	Milpitas Pipeline Inspection & Rehabilitation Project		
PROGRAM	Water Supply – Transmission	**CONTACT**	Emmanuel Aryee
PROJECT NO.	95084007		Earyee@valleywater.org

Typical steel pipeline in line valve vault



Location Map

PROJECT DESCRIPTION

The project will inspect the pipeline, plan, design, and construct the identified rehabilitation measures. The objective of the project is to perform condition assessments and structural inspections to identify distressed pipe sections and defective appurtenances, improve vault accessibility, implement repairs, rehabilitate and replace old and defective appurtenances, update electrical and controls systems, and rehabilitate corrosion protection systems.

The project will occur in conjunction with the Treated Water Isolation Valves Project, that will include the installation of an additional line valve vault on MPL downstream of the BART Turnout (near Garden Street). The new valve will allow for damaged portions of the system to be isolated to ensure the use of undamaged portions to convey treated water to the retailers and would allow portions of the system to be isolated for maintenance without shutting down the entire pipeline.

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 50+ Years

SCHEDULE & STATUS

June 2025 to June 2030

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	-											
Permits	40											
Design	1,436											
Construct	12,860											
Closeout	80											
	14,416	Total project cost may include expenditures not yet allocated to a specific phase.										

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
95084007-Milpitas Pipeline Inspection & Rehabilitation Project	0	0	616	1,100	1,800	10,600	300	0	14,416
with inflation	0	0	616	1,206	2,016	11,829	373	0	16,040
Actuals include project expenditures and encumbrances.									

FUNDING SCHEDULE

(in thousands $)

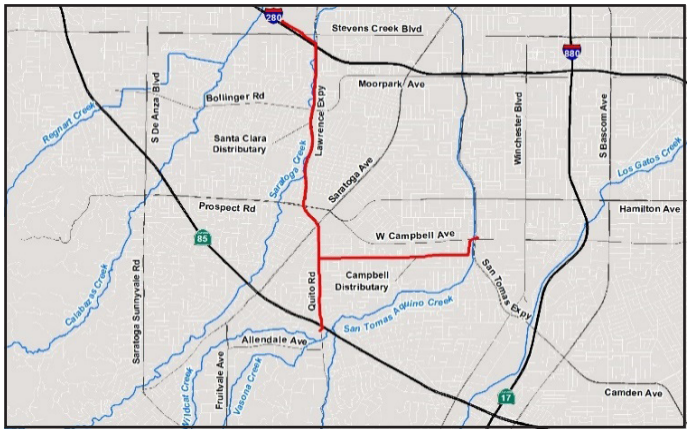
	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
95084007-Milpitas Pipeline Inspection & Rehabilitation Project	0	0	0	616	1,206	2,016	11,829	373	0	16,040
Adjusted Budget includes adopted budget plus approved budget adjustments.										

FUNDING SOURCES

SCVWD Water Utility Enterprise Fund	16,040
Other Funding Sources	0
Total	**16,040**

PROJECT	Santa Clara and Campbell Distributary Inspection & Rehabilitation		
PROGRAM	Water Supply – Transmission	**CONTACT**	Emmanuel Aryee
PROJECT NO.	95084008		Earyee@valleywater.org

A typical air release valve within the project scope



Location Map

PROJECT DESCRIPTION

The project will inspect the pipelines, plan, design, and construct the identified rehabilitation measures. The objective of the project is to perform condition assessments and structural inspections to identify distressed pipe sections and defective appurtenances, improve vault accessibility, implement repairs, rehabilitate and replace old and defective appurtenances, update electrical and controls systems, and rehabilitate corrosion protection systems.

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 50 Years

SCHEDULE & STATUS

October 2026 to June 2030

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	-											
Permits	20											
Design	1,880											
Construct	7,950											
Closeout	150											
10,000	Total project cost may include expenditures not yet allocated to a specific phase.											

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
95084008-Santa Clara and Campbell Distributary Inspection & Rehabilitation	0	0	0	550	550	800	8,100	0	10,000
with inflation	0	0	0	601	628	954	10,451	0	12,633
Actuals include project expenditures and encumbrances.									

FUNDING SCHEDULE

(in thousands $)

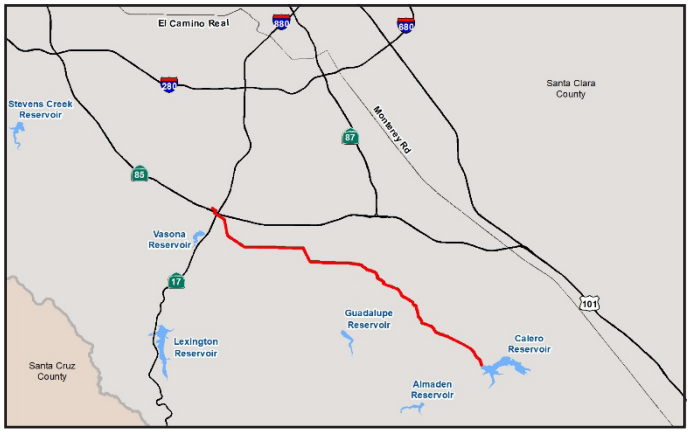
	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
95084008-Santa Clara and Campbell Distributary Inspection & Rehabilitation	0	0	0	0	601	628	954	10,451	0	12,633
Adjusted Budget includes adopted budget plus approved budget adjustments.										

FUNDING SOURCES

SCVWD Water Utility Enterprise Fund	12,633
Other Funding Sources	0
Total	**12,633**

PROJECT	Almaden Valley Pipeline Replacement		
PROGRAM	Water Supply - Transmission	**CONTACT**	Emmanuel Aryee
PROJECT NO.	92304001		earyee@valleywater.org

Almaden Valley Pipeline Replacement work is underway



Location Map

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. AVP was constructed in two major Units: Unit 1 was constructed in the 1960s and Unit 2 was constructed in the 1980s.

The project will accomplish the following objective:

- Replace approximately 7.5 of the 12 miles of prestressed concrete cylinder pipe to address various stages of degradation

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 50+ Years

SCHEDULE & STATUS

July 2022 to June 2041

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	3,100											
Design	17,391											
Construct	59,481											
Closeout	902											
	80,916	Total project cost may include expenditures not yet allocated to a specific phase.										

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
92304001-Almaden Valley Pipeline Replacement	2,531	2,927	3,135	9,830	10,830	10,655	1,920	39,087	80,916
with inflation	2,531	2,927	3,135	10,873	12,064	11,973	2,393	57,668	103,564
Actuals include project expenditures and encumbrances.									

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
92304001-Almaden Valley Pipeline Replacement	3,265	2,193	0	3,135	10,873	12,064	11,973	2,393	57,668	103,564
Adjusted Budget includes adopted budget plus a planned budget adjustment of $64 thousand.										

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	103,564
Other Funding Sources	0
Total	**103,564**

PROJECT	Distribution System Master Plan Implementation Project		
PROGRAM	Water Supply – Transmission	**CONTACT**	Luz Penilla
PROJECT NO.	95044001		lpenilla@valleywater.org

Distribution System Master Plan Implementation

Location Map

PROJECT DESCRIPTION

This project will develop a comprehensive 30-year implementation master 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 Environmental Impact Report (EIR).

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: Not Applicable

SCHEDULE & STATUS

June 2020 to June 2027

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	7,227											
Design	-											
Construct	-											
Closeout	-											
9,286	Total project cost may include expenditures not yet allocated to a specific phase.											

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
95044001-Distribution System Master Plan Implementation Project	7,670	862	634	120	0	0	0	0	9,286
with inflation	7,670	862	634	131	0	0	0	0	9,297
Actuals include project expenditures and encumbrances.									

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
95044001-Distribution System Master Plan Implementation Project	7,902	631	0	634	131	0	0	0	0	9,297
Adjusted Budget includes adopted budget plus approved budget adjustments.										

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	9,297
Other Funding Sources	0
Total	**9,297**

PROJECT	FAHCE Implementation		
PROGRAM	Water Supply - Transmission	**CONTACT**	John Bourgeois
PROJECT NO.	92C40357		jbourgeois@valleywater.org

Fish habitats, such as the one shown here, will be developed for habitat conservation

Location map

PROJECT DESCRIPTION

In 1996, Guadalupe-Coyote Resource Conservation District (GCRCD) filed a water rights complaint against Valley Water 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 initiated by parties involved. Valley Water is in the process of preparing a Fish Habitat Restoration Plan (FHRP) and the 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 Fish and Aquatic Habitat Collaborative Effort (FAHCE) consists of reservoir reoperations to support salmonid spawning, rearing and migration provisions for 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).

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: Not Applicable

SCHEDULE & STATUS

July 2026 to June 2035

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	145,108											
Design	-											
Construct	-											
Closeout	-											
145,108	Total project cost may include expenditures not yet allocated to a specific phase.											

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
92C40357-FAHCE Implementation	0	0	0	4,739	4,379	14,691	14,690	106,609	145,108
with inflation	0	0	0	4,739	4,379	14,691	14,690	106,609	145,108
Actuals include project expenditures and encumbrances.									

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
92C40357-FAHCE Implementation	0	0	0	0	4,739	4,379	14,691	14,690	106,609	145,108
Adjusted Budget includes adopted budget plus approved budget adjustments.										

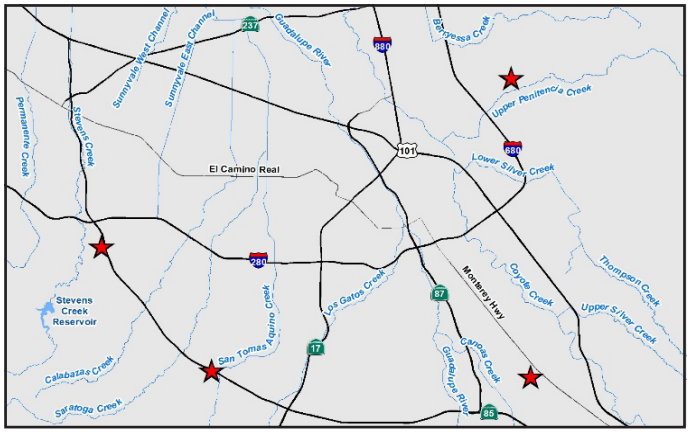
FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	145,108
Other Funding Source	0
Total	**145,108**

PROJECT	IRP2 Additional Line Valves (A3)		
PROGRAM	Water Supply - Transmission	**CONTACT**	Emmanuel Aryee
PROJECT NO.	26764001		earyee@valleywater.org

New line valves, actuators, and vaults similar to this will be installed along the East, West, and Snell pipelines



Location Map

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 coordinated 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
- Ensure the network of emergency wells is operational, even when there is damage upstream and downstream of individual wells

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

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 35 Years

SCHEDULE & STATUS

July 2018 to June 2029

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	273											
Design	3,252											
Construct	27,513											
Closeout	70											
	33,460	Total project cost may include expenditures not yet allocated to a specific phase.										

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
26764001-IRP2 Additional Line Valves (A3)	4,105	9,787	13,773	5,260	443	92	0	0	33,460
with inflation	4,105	9,787	13,773	5,814	506	110	0	0	34,095
Actuals include project expenditures and encumbrances.									

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
26764001-IRP2 Additional Line Valves (A3)	7,372	9,484	2,964	10,809	5,814	506	110	0	0	34,095
Adjusted Budget includes adopted budget plus approved budget adjustments.										

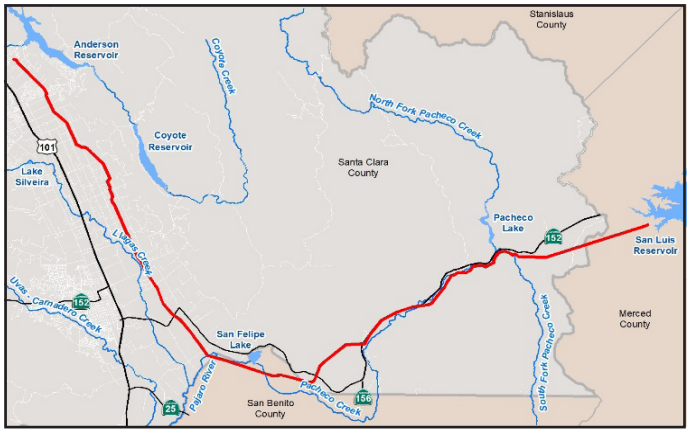
FUNDING SOURCES

(in thousands $)

SCVWD Safe Clean Water Fund	15,544
SCVWD Water Utility Enterprise Fund	18,551
Total	**34,095**

PROJECT	Pacheco/Santa Clara Conduit Right of Way Acquisition		
PROGRAM	Water Supply – Transmission	**CONTACT**	Emmanuel Aryee
PROJECT NO.	92144001		earyee@valleywater.org

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



Location Map

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 landowners and improve response time for emergency repairs or operations

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 15-20 Years

SCHEDULE & STATUS

July 2009 to September 2026

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	1,944											
Design	2,472											
Construct	1,655											
Closeout	36											
	6,233	Total project cost may include expenditures not yet allocated to a specific phase.										

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
92144001-Pacheco/Santa Clara Conduit Right of Way Acquisition	2,626	1,529	2,042	36	0	0	0	0	6,233
with inflation	2,626	1,529	2,042	39	0	0	0	0	6,236
Actuals include project expenditures and encumbrances.									

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
92144001-Pacheco/Santa Clara Conduit Right of Way Acquisition	5,914	227	1,987	55	39	0	0	0	0	6,236
Adjusted Budget includes adopted budget plus approved budget adjustments.										

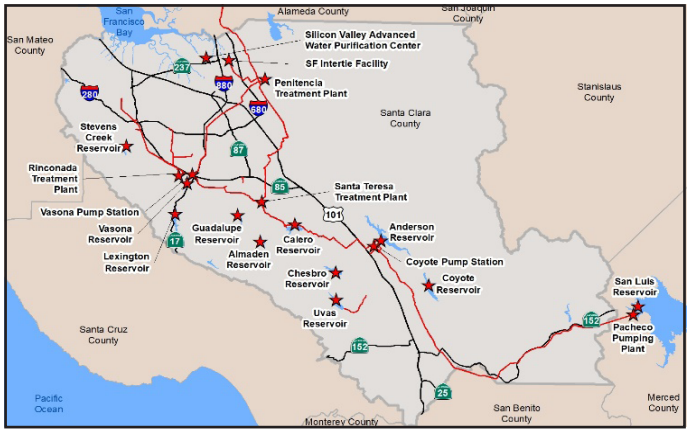
FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	6,217
San Benito County Water District	19
Total	**6,236**

PROJECT	SCADA Master Plan Implementation		
PROGRAM	Water Supply – Transmission	**CONTACT**	Luz Penilla
PROJECT NO.	95044002		lpenilla@valleywater.org

Process control / SCADA system



Location Map

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.

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: Not Applicable

SCHEDULE & STATUS

July 2020 to June 2027

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	5,920											
Design	-											
Construct	-											
Closeout	-											
6,462	Total project cost may include expenditures not yet allocated to a specific phase.											

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
95044002-SCADA Master Plan Implementation	4,628	922	718	194	0	0	0	0	6,462
with inflation	4,628	922	718	212	0	0	0	0	6,480
Actuals include project expenditures and encumbrances.									

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
95044002-SCADA Master Plan Implementation	5,709	50	208	510	212	0	0	0	0	6,480
Adjusted Budget includes adopted budget plus approved budget adjustments.										

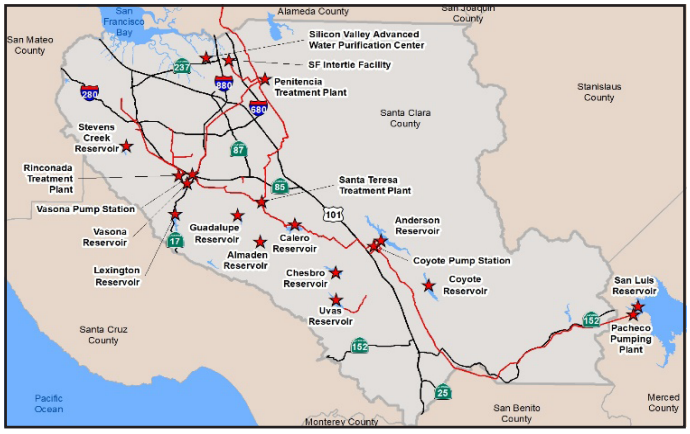
FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	6,480
Other Funding Sources	0
Total	**6,480**

PROJECT	SMPIP (SCADA Master Plan Implementation Project) Upgrades - Phase 1		
PROGRAM	Water Supply - Transmission	**CONTACT**	Luz Penilla
PROJECT NO.	95044004		lpenilla@valleywater.org

Supervisory Control and Data Acquisition System (SCADA)



Location Map

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.

This first set of improvements from the SCADA Master Plan Implementation project aim to enhance the resilience of the SCADA systems to ensure operational continuity through proactive and fiscally responsible investments in new technologies.

The project will accomplish the following objectives:

- Upgrade aging SCADA communications infrastructure
- Implement additional backup control center capabilities

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: TBD

SCHEDULE & STATUS

July 2025 to June 2034

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	601											
Design	900											
Construct	7,984											
Closeout	45											
	7,984	Total project cost may include expenditures not yet allocated to a specific phase.										

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
95044004-SMPIP (SCADA Master Plan Implementation Project) Upgrades - Phase 1	0	0	351	610	1,194	1,090	1,040	3,699	7,984
with inflation	0	0	351	666	1,382	1,341	1,345	5,329	10,415
Actuals include project expenditures and encumbrances.									

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
95044004-SMPIP (SCADA Master Plan Implementation Project) Upgrades - Phase 1	0	586	586	0	431	1,382	1,341	1,345	5,329	10,415
Adjusted Budget includes adopted budget plus approved budget adjustments.										

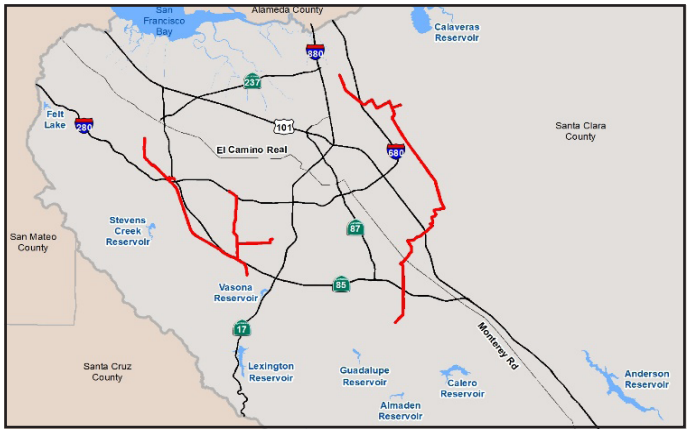
FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	10,415
Other Funding Sources	0
Total	**10,415**

PROJECT	Small Capital Improvements, Treated Water Transmission		
PROGRAM	Water Supply – Transmission	**CONTACT**	Greg Williams
PROJECT NO.	94764006		gwilliams@valleywater.org

Valve installation in the Piedmont Line Valve Vault; Similar projects will be carried out at treated water transmission facilities according to the asset management plan



Location Map

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 FY26 include:

- Install treated water meters
- Unanticipated pipeline repair(s)

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: Not Applicable

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.

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	n/a											
Design	n/a											
Construct	n/a											
Closeout	n/a											
	n/a											

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
94764006-Small Capital Improvements, Treated Water Transmission	n/a	350	292	267	40	34	61	138	1,182
with inflation	n/a	350	292	292	46	41	76	189	1,285

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
94764006-Small Capital Improvements, Treated Water Transmission	n/a	350	0	292	292	46	41	76	189	1,285

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.

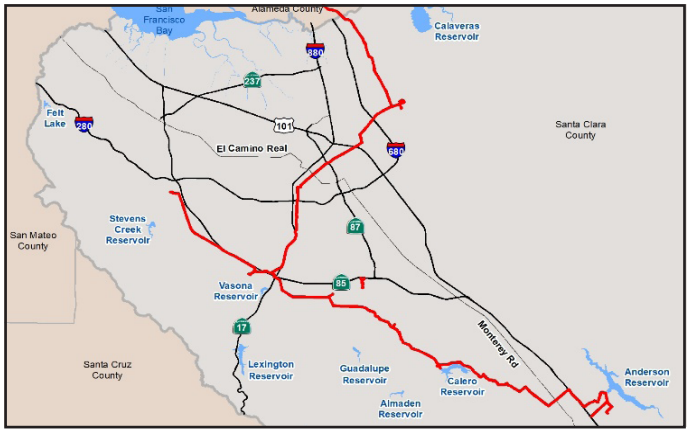
FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	1,285
Other Funding Source	0
Total	**1,285**

PROJECT	Small Capital Improvements, Raw Water Transmission		
PROGRAM	Water Supply – Transmission	**CONTACT**	Greg Williams
PROJECT NO.	92764009		gwilliams@valleywater.org

Major repair and replacement of turnout roofs and similar small raw water capital projects



Location Map

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. The work includes identifying and fixing corrosion problems, replacing valves and other appurtenances, modifying water recharge facilities to avoid failure of the raw water transmission system, and extending the life of the infrastructure. This project is part of Valley Water's 10-Year Asset Management Program.

Planned projects for FY26 include:

- Canal Maintenance Program (CMP) implementation work
- Turnout roof replacements
- Stock spare parts for inventory
- Permanent Valley Habitat Plan buyout of all work areas within District Fee (for Cross Valley Pipeline and Recharge sites)
- Unanticipated pipeline repairs

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: Not Applicable

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.

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	n/a											
Design	n/a											
Construct	n/a											
Closeout	n/a											
	n/a											

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
92764009-Small Capital Improvements, Raw Water Transmission	n/a	3,205	1,100	1,007	650	650	650	2,600	9,862
with inflation	n/a	3,205	1,100	1,100	742	775	810	3,621	11,353

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
92764009-Small Capital Improvements, Raw Water Transmission	n/a	3,205	0	1,100	1,100	742	775	810	3,621	11,353

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.

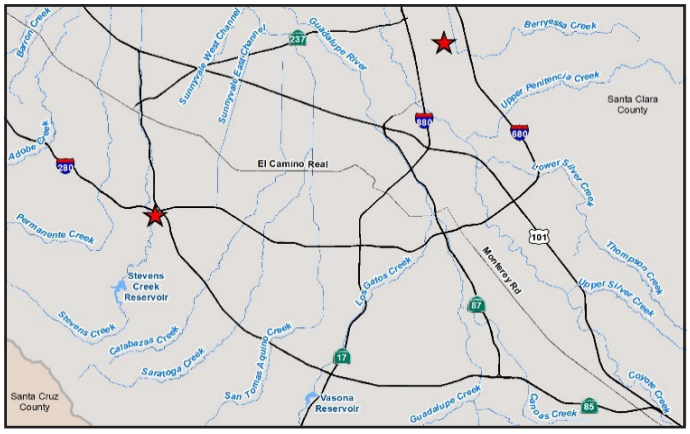
FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	11,353
Other Funding Source	0
Total	**11,353**

PROJECT	Treated Water Isolation Valves		
PROGRAM	Water Supply - Transmission	**CONTACT**	Emmanuel Aryee
PROJECT NO.	94084007		earyee@valleywater.org

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



Location Map

PROJECT DESCRIPTION

This project plans, designs, and constructs two additional line valve appurtenances and will work in conjunction with other pipeline maintenance and rehabilitation projects 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

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 50 Years

SCHEDULE & STATUS

January 2019 to December 2029

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	13											
Design	2,266											
Construct	9,793											
Closeout	64											
	12,143	Total project cost may include expenditures not yet allocated to a specific phase.										

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
94084007-Treated Water Isolation Valves	1,198	2,011	3,214	771	2,105	2,653	191	0	12,143
with inflation	1,198	2,011	3,214	842	2,575	3,291	238	0	13,369
Actuals include project expenditures and encumbrances.									

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
94084007-Treated Water Isolation Valves	1,880	2,011	683	2,531	842	2,575	3,291	238	0	13,369
Adjusted Budget includes adopted budget plus approved budget adjustments.										

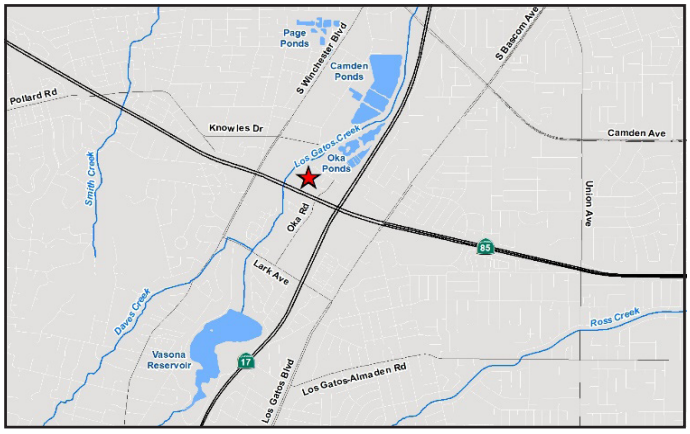
FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	13,369
Other Funding Sources	0
Total	**13,369**

PROJECT	Vasona Pump Station Upgrade		
PROGRAM	Water Supply - Transmission	**CONTACT**	Emmanuel Aryee
PROJECT NO.	92264001		earyee@valleywater.org

Vasona Pump Station



Location Map

★ Project Location

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements to the Vasona Pump Station, including replacement of aging pumps, motors, drives, valves, actuators, electrical and control systems that have reached the end of their useful life, and an addition of 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

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 50 Years

SCHEDULE & STATUS

October 2019 to February 2029

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	1,406											
Design	7,787											
Construct	22,922											
Closeout	70											
	32,266	Total project cost may include expenditures not yet allocated to a specific phase.										

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
92264001-Vasona Pump Station Upgrade	2,945	2,975	1,698	9,360	12,598	2,690	0	0	32,266
with inflation	2,945	2,975	1,698	10,334	14,126	3,119	0	0	35,198
Actuals include project expenditures and encumbrances.									

FUNDING SCHEDULE

(in thousands $)

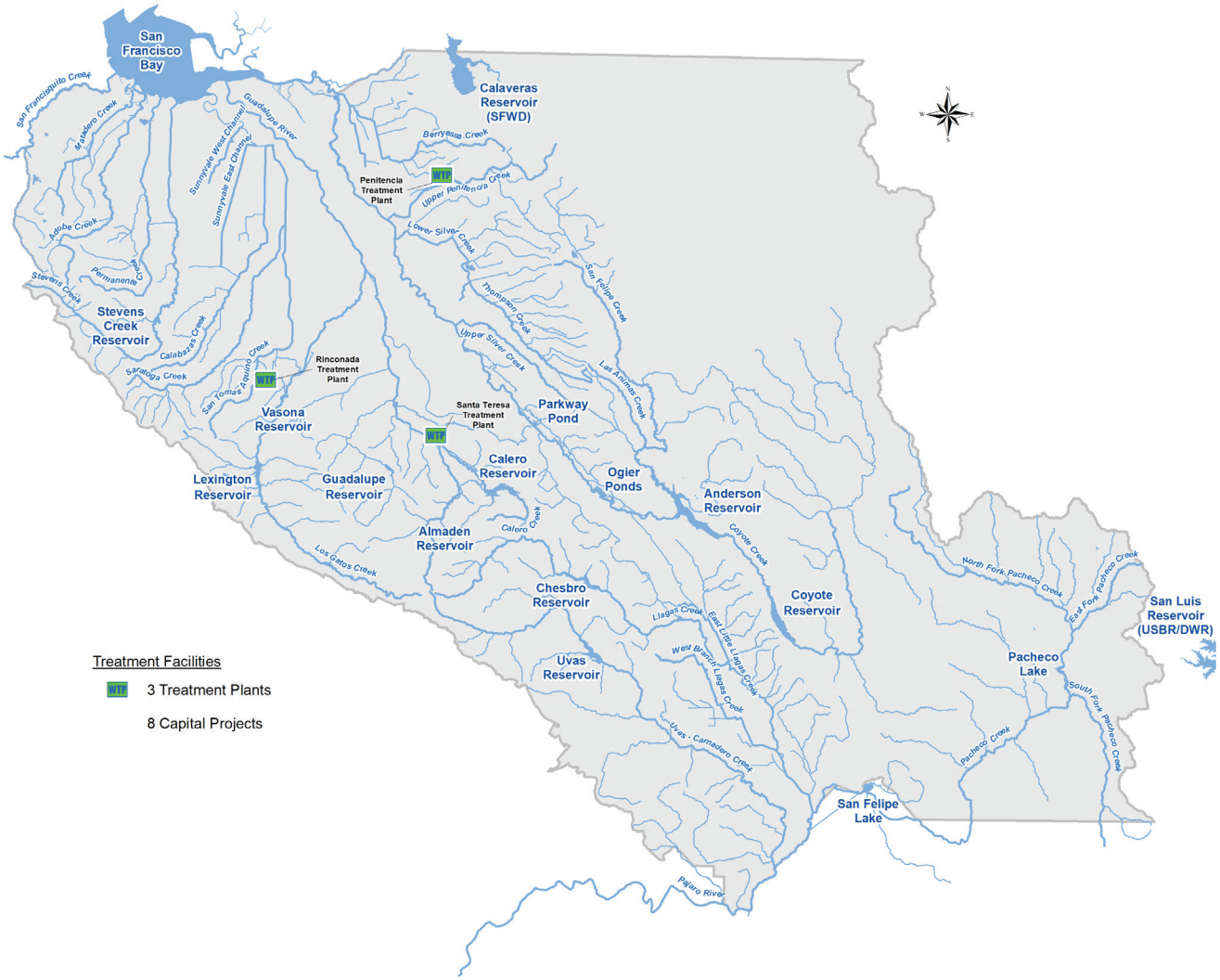
	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
92264001-Vasona Pump Station Upgrade	4,750	1,170	0	1,698	10,334	14,126	3,119	0	0	35,198
Adjusted Budget includes adopted budget plus approved budget adjustments.										

FUNDING SOURCES

(in thousands $)

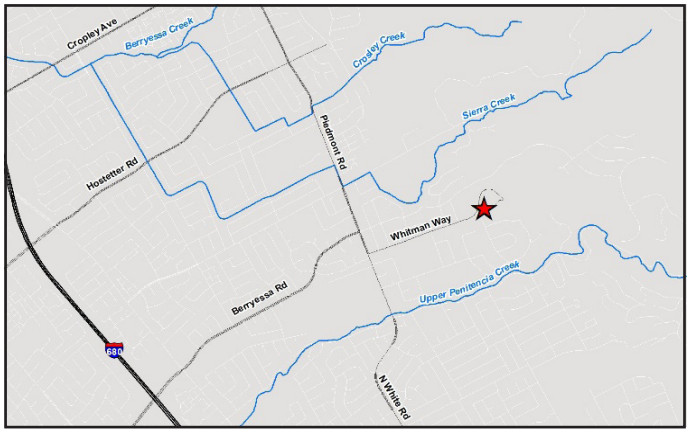
SCVWD Water Utility Enterprise Fund	35,198
Other Funding Sources	0
Total	**35,198**

Treatment Facilities



PROJECT	PWTP Residuals Management		
PROGRAM	Water Supply – Treatment	**CONTACT**	Emmanuel Aryee
PROJECT NO.	93234044		earyee@valleywater.org

Existing belt press to be replaced with new residuals management facility



Location Map

★ Project Location

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 equipment

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE:

Structures - 50 Years
Mechanical Equipment - 15 Years
Electrical Equipment - 10 Years

SCHEDULE & STATUS

July 2020 to May 2030

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	786											
Design	6,960											
Construct	82,064											
Closeout	75											
	89,991	Total project cost may include expenditures not yet allocated to a specific phase.										

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
93234044-PWTP Residuals Management	5,599	9,431	15,774	14,816	14,816	14,816	14,738	0	89,991
with inflation	5,599	9,431	15,774	15,923	16,079	16,241	16,314	0	95,362
Actuals include project expenditures and encumbrances.									

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
93234044-PWTP Residuals Management	5,621	9,409	0	15,774	15,923	16,079	16,241	16,314	0	95,362
Adjusted Budget includes adopted budget plus a planned budget adjustment of $13 thousand.										

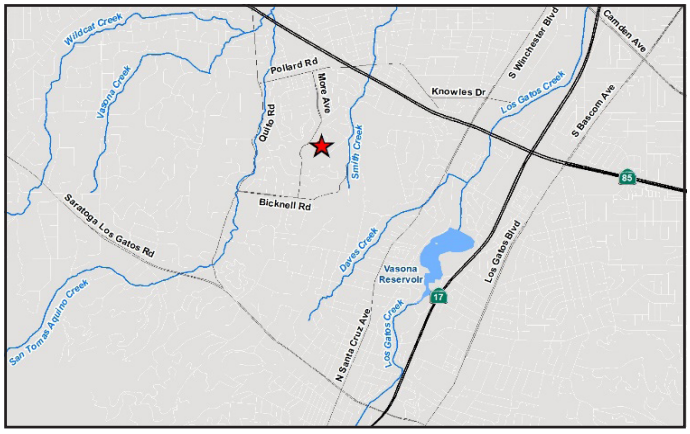
FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	95,362
Other Funding Sources	0
Total	**95,362**

PROJECT	RWTP Residuals Remediation		
PROGRAM	Water Supply – Treatment	**CONTACT**	Emmanuel Aryee
PROJECT NO.	93294051s		earyee@valleywater.org

Centrifuge for mechanical dewatering of sludge



Location Map

★ Project Location

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

This project is anticipated to be completed and closed by June 30, 2025.

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE:

Structures – 50 Years
Mechanical Equipment – 15 Years
Electrical Equipment – 10 Years

SCHEDULE & STATUS

May 2018 to January 2025

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	2,243											
Design	10,466											
Construct	62,334											
Closeout	181											
	75,891	Total project cost may include expenditures not yet allocated to a specific phase.										

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
93294051-RWTP FRP Residuals Management	32,122	0	0	0	0	0	0	0	32,122
with inflation	32,122	0	0	0	0	0	0	0	32,122
93294058-RWTP Residuals Remediation	42,681	1,088	0	0	0	0	0	0	43,769
with inflation	42,681	1,088	0	0	0	0	0	0	43,769
TOTAL	**74,803**	**1,088**	**0**	**0**	**0**	**0**	**0**	**0**	**75,891**
with inflation	**74,803**	**1,088**	**0**	**0**	**0**	**0**	**0**	**0**	**75,891**
Actuals include project expenditures and encumbrances.									

FUNDING SCHEDULE

(in thousands $)

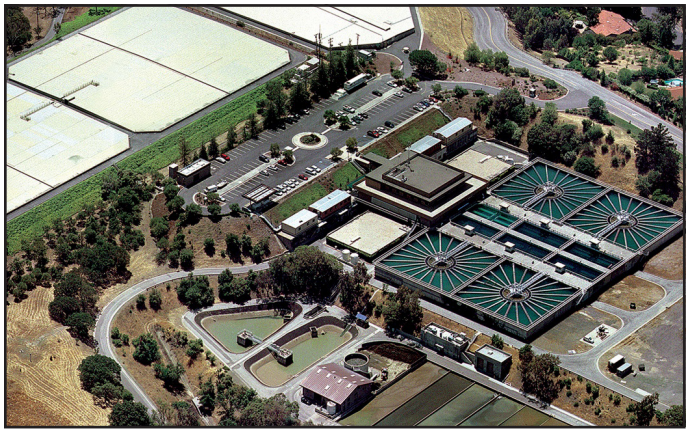
	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
93294051-RWTP FRP Residuals Management	32,122	0	0	0	0	0	0	0	0	32,122
93294058-RWTP Residuals Remediation	42,869	900	0	0	0	0	0	0	0	43,769
TOTAL	**74,991**	**900**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**75,891**
Adjusted Budget includes adopted budget plus a planned budget adjustment of $13 thousand.										

FUNDING SOURCES

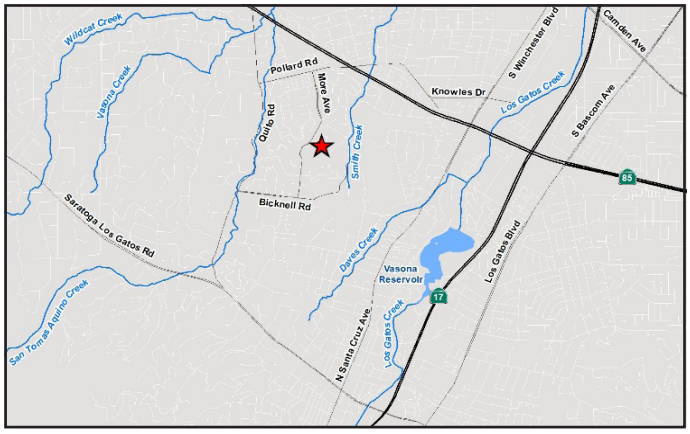
(in thousands $)

SCVWD Water Utility Enterprise Fund	75,891
Other Funding Source	0
Total	**75,891**

PROJECT	RWTP Reliability Improvement		
PROGRAM	Water Supply – Treatment	**CONTACT**	Emmanuel Aryee
PROJECT NO.	93294057		earyee@valleywater.org



Aerial view of the Rinconada Water Treatment Plant facing west



Location Map

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 from 80 million to 100 million gallons per day

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE:

Media – 20 Years
Structures – 50 Years
Equipment – 15 Years

SCHEDULE & STATUS

July 2009 to June 2030

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	2,039											
Design	21,917											
Construct	660,077											
Closeout	120											
	695,316	Total project cost may include expenditures not yet allocated to a specific phase.										

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
93294057-RWTP Reliability Improvement	299,099	67,854	120,805	112,290	56,338	38,810	120	0	695,316
with inflation	299,099	67,854	120,805	125,253	63,357	44,171	150	0	720,689
Actuals include project expenditures and encumbrances.									

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
93294057-RWTP Reliability Improvement	300,698	66,255	0	120,805	125,253	63,357	44,171	150	0	720,689
Adjusted Budget includes adopted budget plus a planned budget adjustment of $45 thousand.										

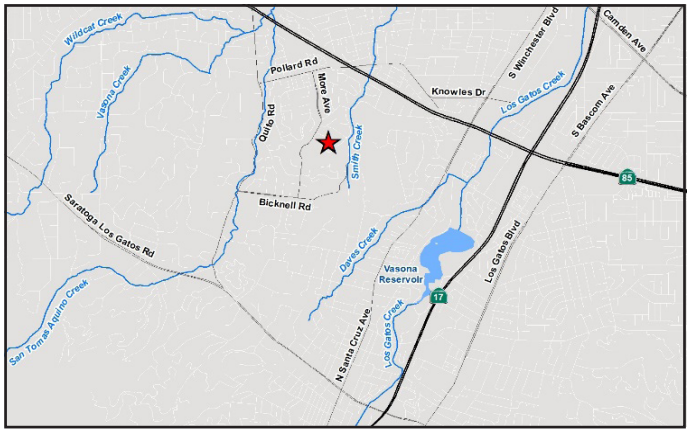
FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	720,689
Other Funding Source	0
Total	**720,689**

PROJECT	RWTP Ammonia Storage and Metering Facility Upgrade		
PROGRAM	Water Supply - Treatment	**CONTACT**	Emmanuel Aryee
PROJECT NO.	93294059		earyee@valleywater.org

Rinconada Water Treatment Plant Aqua Ammonia Tank



Location Map

PROJECT DESCRIPTION

The existing Ammonia Storage and Metering Facility (ASMF) at the Rinconada Water Treatment Plant (RWTP) includes a single ammonia storage tank, four metering pumps, and associated instrumentation and control equipment. The existing ammonia storage tank was installed in the mid-1990s as part of the Toxic Gas Ordinance Compliance Project and has a nominal capacity of 6,700 gallons for aqua ammonia (19% concentration). The current tank is reaching its end of life and will be replaced with two (2) tanks for reliability and safety. The four existing metering pumps will be replaced with new ones, and three new feed lines will be installed from the new ASMF to the new Raw Water influent pipelines (north and south), and to the new chlorine contact basin (CCB), respectively.

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 40+ Years

SCHEDULE & STATUS

July 2023 to June 2028

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	33											
Design	1,931											
Construct	4,227											
Closeout	75											
	6,270	Total project cost may include expenditures not yet allocated to a specific phase.										

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
93294059-RWTP Ammonia Storage and Metering Facility Upgrade	37	1,071	527	2,483	2,152	0	0	0	6,270
with inflation	37	1,071	527	2,742	2,398	0	0	0	6,774
Actuals include project expenditures and encumbrances.									

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
93294059-RWTP Ammonia Storage and Metering Facility Upgrade	630	477	0	527	2,742	2,398	0	0	0	6,774
Adjusted Budget includes adopted budget plus approved budget adjustments.										

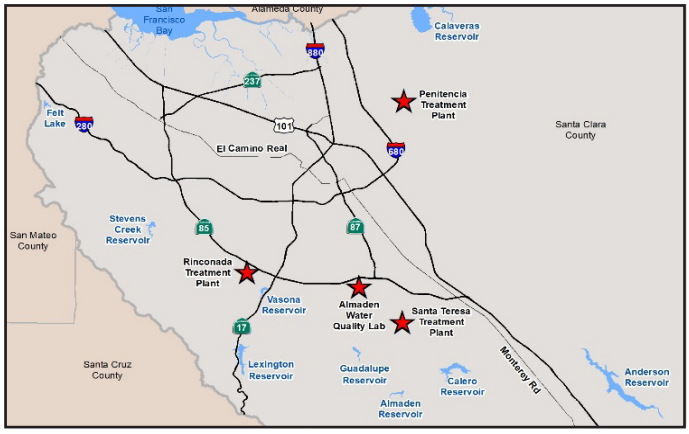
FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	6,774
Other Funding Sources	0
Total	**6,774**

PROJECT	Small Capital Improvements, Water Treatment		
PROGRAM	Water Supply – Treatment	**CONTACT**	Greg Williams
PROJECT NO.	93764004		gwilliams@valleywater.org

Sludge pond sediment removal at Santa Teresa Water Treatment Plant



Location Map

★ Project Location

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 will include pump, motor, instrumentation, and valve replacement, chemical tank repairs, and large-scale renewal and replacement activities, such as clarifier mechanism overhaul and replacement.

This project includes the following objectives:

- Complete Small Capital Projects at Valley Water treatment plants, the West Pipeline, and the Campbell Well Field
- Complete preventative and rehabilitative maintenance on assets as identified in the 5-Year Maintenance Work Plan

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: Not Applicable

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.

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	n/a											
Design	n/a											
Construct	n/a											
Closeout	n/a											
	n/a											

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
93764004-Small Capital Improvements, Water Treatment	n/a	6,307	11,186	7,078	3,639	4,955	4,274	34,791	72,229
with inflation	n/a	6,307	11,186	7,729	4,153	5,909	5,326	49,275	89,885

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
93764004-Small Capital Improvements, Water Treatment	n/a	6,307	0	11,186	7,729	4,153	5,909	5,326	49,275	89,885

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.

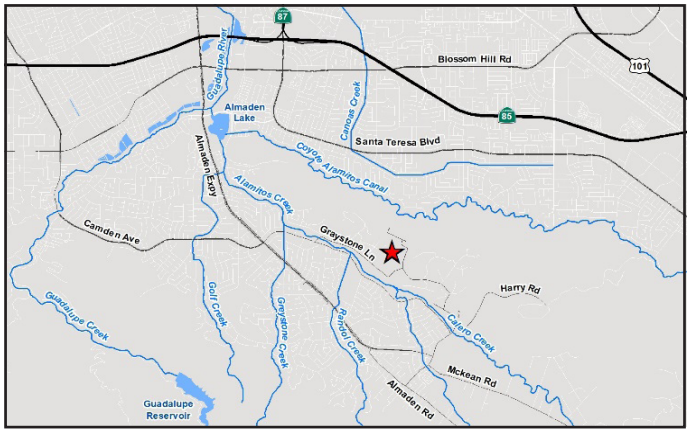
FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	89,885
Other Funding Source	0
Total	**89,885**

PROJECT	STWTP Filter Media Replacement		
PROGRAM	Water Supply – Treatment	**CONTACT**	Emmanuel Aryee
PROJECT NO.	93284013		earyee@valleywater.org

Santa Teresa Water Treatment Plant Filter Media Replacement



Location Map

★ Project Location

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

This project is anticipated to be completed and closed by June 30, 2025.

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 10-15 Years

SCHEDULE & STATUS

June 2019 to April 2025

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	85											
Design	1,146											
Construct	19,047											
Closeout	75											
	20,598	Total project cost may include expenditures not yet allocated to a specific phase.										

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
93284013-STWTP Filter Media Replacement	17,926	2,672	0	0	0	0	0	0	20,598
with inflation	17,926	2,672	0	0	0	0	0	0	20,598
Actuals include project expenditures and encumbrances.									

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
93284013-STWTP Filter Media Replacement	20,023	575	0	0	0	0	0	0	0	20,598
Adjusted Budget includes adopted budget plus approved budget adjustments.										

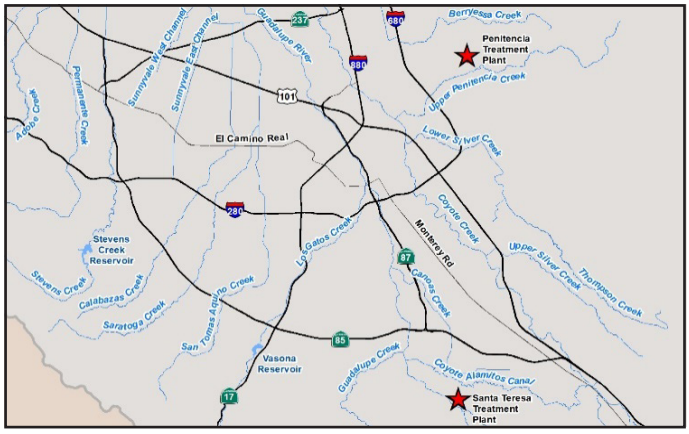
FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	20,598
Other Funding Sources	0
Total	**20,598**

PROJECT	Water Treatment Plant Electrical Improvement		
PROGRAM	Water Supply - Treatment	**CONTACT**	Emmanuel Aryee
PROJECT NO.	93084004		earyee@valleywater.org

Motor control center switchboard



Location Map

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

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 30+ Years

SCHEDULE & STATUS

March 2020 to July 2029

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	314											
Design	4,290											
Construct	13,511											
Closeout	75											
	18,319	Total project cost may include expenditures not yet allocated to a specific phase.										

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
93084004-Water Treatment Plant Electrical Improvement	2,510	24	2,723	5,754	4,413	2,869	25	0	18,319
with inflation	2,510	24	2,723	6,068	4,784	3,240	32	0	19,380
Actuals include project expenditures and encumbrances.									

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
93084004-Water Treatment Plant Electrical Improvement	3,938	672	2,075	648	6,068	4,784	3,240	32	0	19,380
Adjusted Budget includes adopted budget plus approved budget adjustments.										

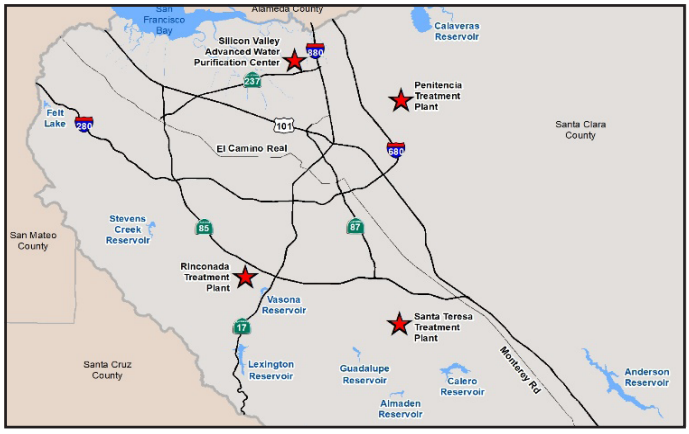
FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	19,380
Other Funding Sources	0
Total	**19,380**

PROJECT	WTP Master Plan Implementation Project		
PROGRAM	Water Supply – Treatment	**CONTACT**	Luz Penilla
PROJECT NO.	93044001		lpenilla@valleywater.org

Improvements in four water treatment facilities operated by Valley Water



Location Map

PROJECT DESCRIPTION

This project will develop a comprehensive 30-year implementation master 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.

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: Not Applicable

SCHEDULE & STATUS

July 2020 to December 2025

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	5,241											
Design	-											
Construct	-											
Closeout	-											
9,251	Total project cost may include expenditures not yet allocated to a specific phase.											

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
93044001-WTP Master Plan Implementation Project	7,890	1,089	272	0	0	0	0	0	9,251
with inflation	7,890	1,089	272	0	0	0	0	0	9,251
Actuals include project expenditures and encumbrances.									

FUNDING SCHEDULE

(in thousands $)

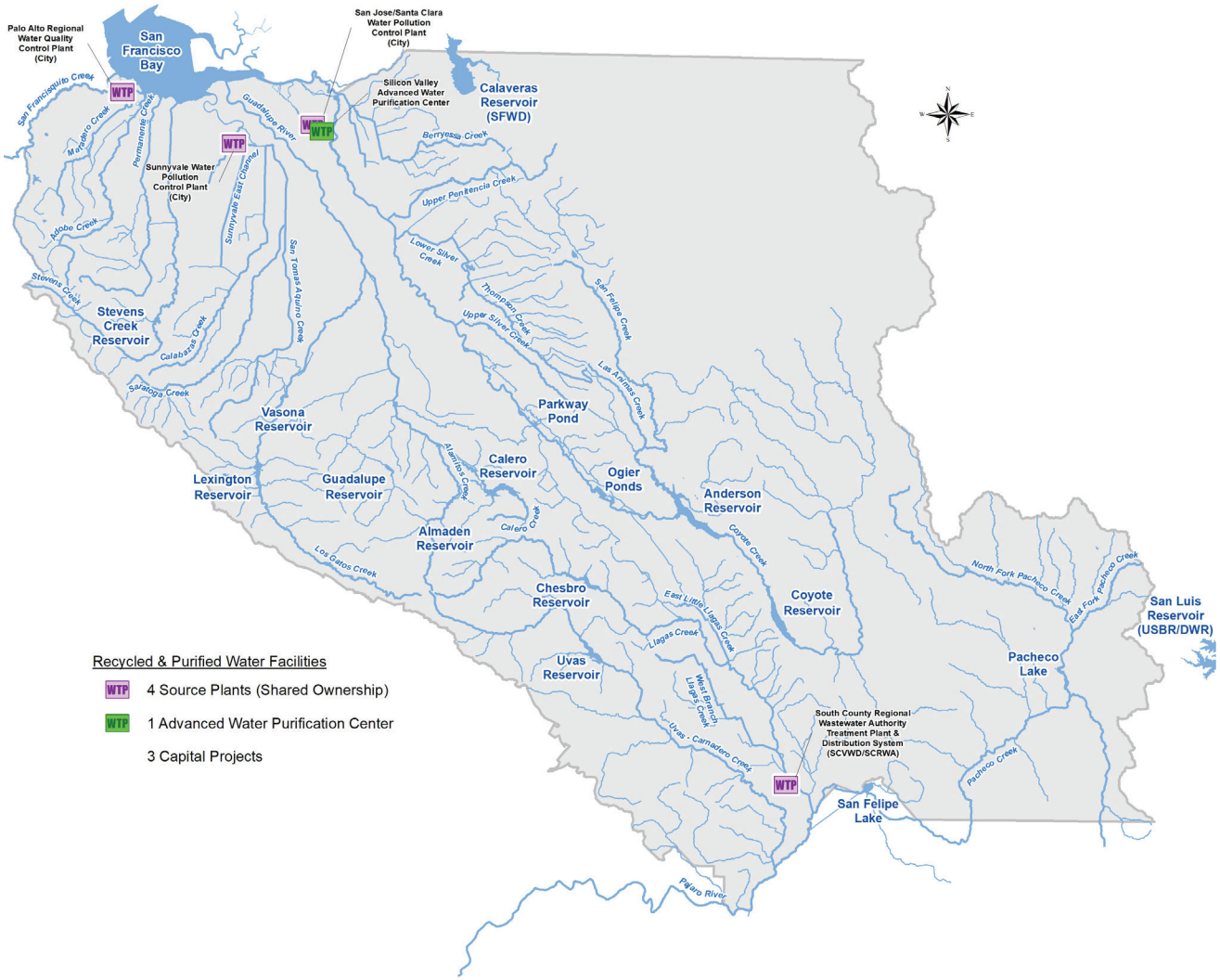
	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
93044001-WTP Master Plan Implementation Project	8,461	517	0	272	0	0	0	0	0	9,251
Adjusted Budget includes adopted budget plus approved budget adjustments.										

FUNDING SOURCES

(in thousands $)

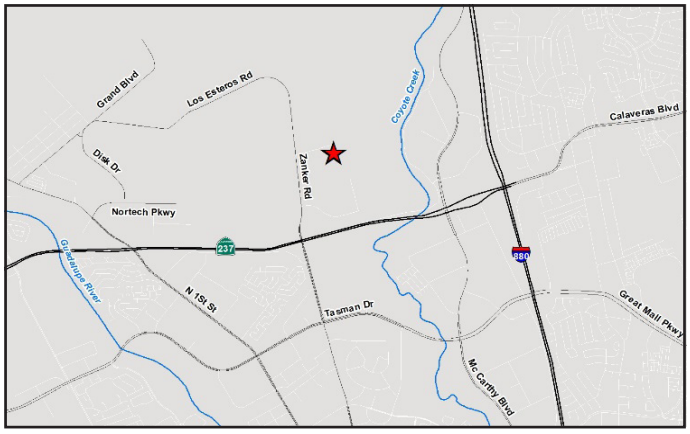
SCVWD Water Utility Enterprise Fund	9,251
Other Funding Sources	0
Total	**9,251**

Recycled & Purified Water Facilities



PROJECT	San José Purified Water Project (SJPWP) - Phase 1		
PROGRAM	Water Supply - Recycled Water	**CONTACT**	Kirsten Struve
PROJECT NO.	91294001		kstruve@valleywater.org

Rendition of Future Facility



Location Map

★ Project Location

PROJECT DESCRIPTION

This project plans, designs, constructs, and implements a Direct Potable Reuse (DPR) Pilot Demonstration Project to accomplish the following objectives:

- Prepare Valley Water for the implementation of a future DPR Purified Water Project in San José
- Evaluate the technology necessary to meet newly proposed and stringent DPR regulatory requirements
- Evaluate the treatment options necessary to implement DPR project adjacent to the Silicon Valley Advanced Water Purification Facility
- Construct an Educational Center to garner public support for a full-scale water purification project

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE 30 Years

SCHEDULE & STATUS

July 2024 to June 2031

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	8,947											
Permits	2,960											
Design	28,242											
Construct	56,036											
Closeout	250											
	100,354	Total project cost may include expenditures not yet allocated to a specific phase.										

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
91294001-San José Purified Water Project (SJPWP) - Phase 1	3,919	5,330	7,439	15,529	28,341	32,209	7,337	250	100,354
with inflation	3,919	5,330	7,439	16,990	31,840	36,630	8,576	326	111,049
Actuals include project expenditures and encumbrances.									

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
91294001-San José Purified Water Project (SJPWP) - Phase 1	3,919	5,375	45	7,394	16,990	31,840	36,630	8,576	326	111,049
Adjusted Budget includes adopted budget plus approved budget adjustments.										

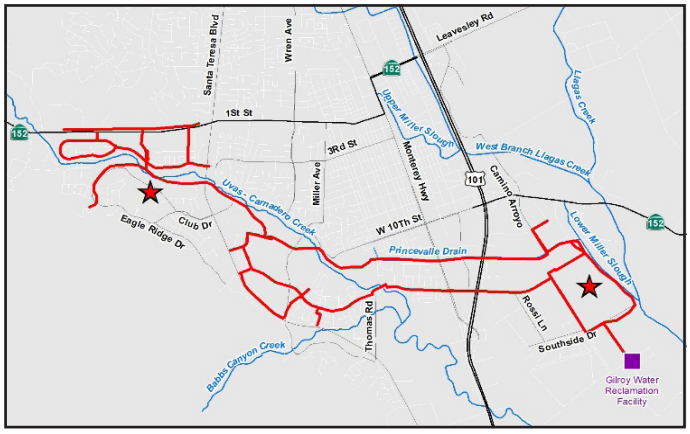
FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	111,049
Other Funding Sources	0
Total	**111,049**

PROJECT	Land Rights - South County Recycled Water Pipeline		
PROGRAM	Water Supply – Recycled Water	**CONTACT**	Emmanuel Aryee
PROJECT NO.	91094001		earyee@valleywater.org

Restricted land access puts recycled water delivery at risk



Location Map

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. In the event of a pipe failure, Valley Water's rights to legally operate and maintain the recycled water conveyance system may be challenged, which puts our commitment to deliver recycled water to its South County customers at risk.

Valley Water's ongoing implementation of the SCRWA Recycled Water Master Plan is the 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.

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: All land rights obtained will be held in perpetuity.

SCHEDULE & STATUS

July 2020 to June 2026

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	34											
Design	6,885											
Construct	-											
Closeout	28											
	6,977	Total project cost may include expenditures not yet allocated to a specific phase.										

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
91094001-Land Rights - South County Recycled Water Pipeline	304	3,133	3,540	0	0	0	0	0	6,977
with inflation	304	3,133	3,540	0	0	0	0	0	6,977
Actuals include project expenditures and encumbrances.									

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
91094001-Land Rights - South County Recycled Water Pipeline	6,817	8	3,388	152	0	0	0	0	0	6,977
Adjusted Budget includes adopted budget plus approved budget adjustments.										

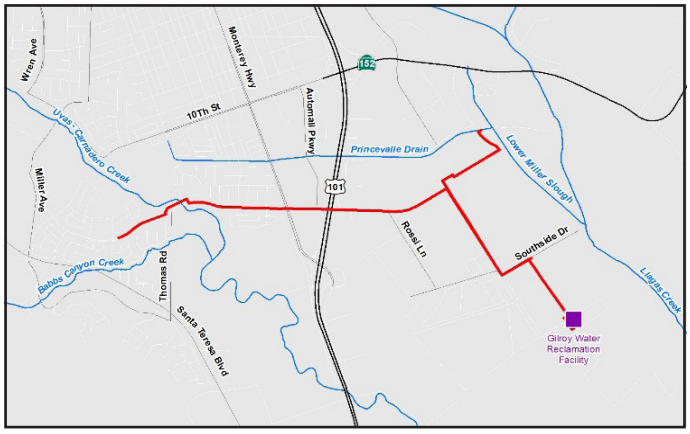
FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	6,977
Other Funding Sources	0
Total	**6,977**

PROJECT	South County Recycled Water Pipeline		
PROGRAM	Water Supply – Recycled Water	**CONTACT**	Emmanuel Aryee
PROJECT NO.	91094007s		earyee@valleywater.org

12" RCW turnout connection at the intersection of Monterey Road and Luchessa Ave. in Gilroy, CA



Location Map

Project Location

PROJECT DESCRIPTION

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

This project is accounted for in the following:

- 91094007 – Recycled Water South County Master Plan (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 – Completed
- 91094008 – Recycled Water South County Master Plan (Short Term Phase 1A) which included installation of approximately 3,000 feet of 30-inch and 36-inch pipeline – Completed
- 91094009 – South County Recycled Water Pipeline (Short Term Phase 1B) will construct an additional 18,500 linear feet of pipeline
- 91094010 – South County Recycled Water Pipeline (Short Term Phase 2, Long Term 3) will be completed through cost-sharing opportunities with the City of Gilroy and land developers to construct a 30-inch diameter pipeline

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: Pipelines – 50 Years
Pumps – 20 Years

SCHEDULE & STATUS

January 2012 to August 2026

The schedule chart shows Short Term Phase 1B and 2, plus Long Term Phase 3 projects only.

The Immediate Term and Short Term Phase 1A projects are complete.

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	3,040											
Design	10,815											
Construct	44,894											
Closeout	95											
	60,103	Total project cost may include expenditures not yet allocated to a specific phase.										

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
91094007-Recycled Water South County Master Plan - Immediate Term	3,257	0	0	0	0	0	0	0	3,257
with inflation	3,257	0	0	0	0	0	0	0	3,257
91094008-Recycled Water South County Master Plan - Short Term 1A	5,391	0	0	0	0	0	0	0	5,391
with inflation	5,391	0	0	0	0	0	0	0	5,391
91094009-South County Recycled Water Pipeline - Short Term 1B	41,551	1,129	129	29	0	0	0	0	42,838
with inflation	41,551	1,129	129	31	0	0	0	0	42,841
91094010-South County Recycled Water Pipeline - Short Term 2, Long Term 3	8,182	1	435	0	0	0	0	0	8,618
with inflation	8,182	1	435	0	0	0	0	0	8,618
TOTAL	**58,381**	**1,130**	**564**	**29**	**0**	**0**	**0**	**0**	**60,103**
with inflation	**58,381**	**1,130**	**564**	**31**	**0**	**0**	**0**	**0**	**60,106**
Actuals include project expenditures and encumbrances.									

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
91094007-Recycled Water South County Master Plan - Immediate Term	3,257	0	0	0	0	0	0	0	0	3,257
91094008-Recycled Water South County Master Plan - Short Term 1A	5,391	0	0	0	0	0	0	0	0	5,391
91094009-South County Recycled Water Pipeline - Short Term 1B	42,533	147	0	129	31	0	0	0	0	42,841
91094010-South County Recycled Water Pipeline - Short Term 2, Long Term 3	8,618	0	435	0	0	0	0	0	0	8,618
TOTAL	**59,799**	**147**	**435**	**129**	**31**	**0**	**0**	**0**	**0**	**60,106**
Adjusted Budget includes adopted budget plus approved budget adjustments.										

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	52,300
South County Regional Wastewater Authority	811
United States Bureau of Reclamation (USBR) - ARRA	1,295
United States Bureau of Reclamation (USBR) Title 16	5,700
Total	**60,106**

Flood Protection

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 333 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 333 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.

Valley Water's flood protection management has significantly reduced the intensity and frequency of flooding in Santa Clara County. Of the 166,526 parcels in the floodplain, Valley Water projects have protected approximately 100,000 parcels, with plans to protect approximately 25,000 more over the next five years.

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 its 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 unless repealed by voters or if 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 the 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, San Francisco Bay to Highway 101 (Safe, Clean Water)
- Adobe Creek, El Camino to West Edith Avenue
- Matadero Creek, Palo Alto Flood Basin to Barron Creek

Major Capital Improvements Identified in the CIP

- Permanente Creek, San Francisco Bay to Foothill Expressway (2012 Safe, Clean Water)
- Palo Alto Flood Basin Tide Gate Structure Replacement
- San Francisquito Creek, San Francisco Bay to Searsville Dam (Safe, Clean Water)

WEST VALLEY WATERSHED

Major Capital Improvements Completed

- Calabazas Creek, Guadalupe Slough to Wardell Road
- San Tomas Creek, Southern Pacific Railroad to Cabrillo Avenue
- Saratoga Creek, 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, Alviso Marina to I-880
- Guadalupe River–Downtown, I-880 to I-280

Major Capital Improvements Identified in the CIP

- Guadalupe River–Upper, I-280 to Blossom Hill Road (Safe, Clean Water)
- Guadalupe River, Tasman Drive to I-880
- Lower Guadalupe River Capacity Restoration

Flood Protection Capital Improvements

COYOTE WATERSHED

Major Capital Improvements Completed

- Coyote Creek, San Francisco Bay to Montague Expressway
- Lower Penitencia Creek, Coyote Creek to Tasman Drive
- Lower Silver Creek, Coyote Creek to Cunningham Avenue (Reaches 1-6)
- Cunningham Flood Detention Certification
- Berryessa Creek, Calaveras Boulevard to I-680 (2012 Safe, Clean Water)
- Lower Silver Creek, I-680 to Cunningham Avenue, (Reaches 4-6)

Major Capital Improvements Identified in the CIP

- Berryessa Creek, 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 Creek
- Upper Penitencia Creek, Coyote Creek to Dorel Drive (Safe, Clean Water)

UVAS/LLAGAS WATERSHED

Major Capital Improvements Completed

- Llagas Creek–Lower, Pajaro River to Buena Vista Avenue
- Uvas Creek

Major Capital Improvements Identified in the CIP

- 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 (WARP)

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. Throughout the various phases of a capital project, projections of this impact are regularly considered and updated as needed to reflect changes in project elements.

CIP DEVELOPMENT PROCESS AND FINANCIAL ANALYSIS

The annual CIP Development 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 CIP Draft Five-Year Plan in March.

The Board then authorizes the release of the CIP Draft Five-Year Plan to the public and local municipalities for review, conducts a public hearing, and approves the resolution to adopt the CIP Final Five-Year Plan 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 CIP Final FY 2026-30 Five-Year Plan.

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 Highway 101
- San Francisco Bay Shoreline (Unsecured State Subventions)

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.

In addition to Valley Water funding sources, Valley Water has entered into a flexible, low-cost Water Infrastructure Finance and Innovation Act (WIFIA) master loan agreement with the Environmental Protection Agency (EPA) that commits up to $146 million to provide upfront funding for the Sunnyvale East and West Channels Flood Protection Project, and the Coyote Creek Flood Protection Project, with final payoff of the loan occurring in 2061.

Flood Protection Capital Improvements

Significant Project Updates from the Prior Year

Updates to capital project plans are considered to be significant if total project costs (TPC) increase or decrease by more than $1 million (inflated), project completion is extended beyond one year, or if there are any changes to project scope. Listed below are the changes to projects from the CIP Adopted FY 2025-29 Five-Year Plan:

Capital Improvement Project Updates

- The Permanente Creek, SF Bay to Foothill Expwy Project overall total project cost remains the same. Overall project schedule extended by one year to complete the remaining close-out tasks, including the Rancho San Antonio archeological report approval by USACE/SHPO.
- The San Francisquito Creek, San Francisco Bay to Searsville Dam (E5) Project increased in cost by $7.74 million due to the reallocation of expenditures for labor and updated services and supplies costs to more accurately reflect the delay to the design phase caused by the recalibration of the hydraulic model for the project.
- The Sunnyvale East and West Channels (E2) Project increased in cost by $32.65 million. On April 9, 2024, the Valley Water Board held a formal hearing, approving changes to the SCW Program, including the decision to "Not Implement" Project A1: Pacheco Reservoir Expansion under the SCW Program. Among the reasons for not implementing the Pacheco Project was to facilitate the construction of both phases of the Sunnyvale East and West Channels project. Previously, construction of Phase 1 (West Channel) was to move forward, while the construction of Phase 2 (East Channel) was delayed due to a funding shortfall. Constructing both phases without delaying Phase 2 would allow Valley Water to complete the entire project, thus providing 1% flood protection and helping the community to be removed from the FEMA flood zone, pending a Letter of Map revision. Bundling Phase 1 and 2 construction would also result in potential cost savings, such as saving on leasing costs by utilizing the same large construction staging area for a shorter time and avoiding anticipated future construction cost escalations. As part of the Board's decision, staff developed new project estimates, reflecting the cost of constructing both phases. The project schedule has been delayed due to ongoing discussions with the various Resource Agencies to acquire the required regulatory permits. Also, the schedule update reflects the addition of Sunnyvale East (Phase 2), whereas the current project schedule only included the construction schedule for the Sunnyvale West channel. The additional costs reflect the expenditures necessary to construct the East and West channels per Board direction.
- The Lower Guadalupe River Capacity Restoration Project increased in cost by $3.43 million due to the extension of the schedule by three years to account for the plant establishment period.
- The Guadalupe River-Upper, SPRR to Blossom Hill Road (Reaches 7-12) (E8) Project decreased in cost by $39.30 million and the overall project schedule has been extended by two years. The Valley Water schedule is updated to match the updated schedule from USACE. Planned expenditures increased in FY25 due to an unforeseen need - the demolition of Valley Water-owned property. However, the overall project budget was reduced at the August 13, 2024, Board meeting when the Board approved reducing the budget and reallocating the dollars to the Safe, Clean Water Program's Operating and Capital Reserves to balance Fund 26. The Board's decision was based on the latest USACE estimates and staff analysis, which showed that most of the estimated Valley Water cost share for the project would be made through real estate acquisitions. Valley Water has already acquired 95% of the properties that will be required, and the remaining required are smaller fee title/easements. Because Valley Water has already acquired most of the USACE-identified properties, staff estimated that the reduced budget allocation would be sufficient for Valley Water to cover any remaining cost share required.
- The Upper Berryessa Creek-USACE Coordination Project increased in cost by $877 thousand due to the schedule extending by six years to include the five-year plant maintenance and monitoring and Project closeout.
- The Coyote Creek, Montague Expressway to Tully Road (E1) Project schedule is extended by one year due to the facilitation of acquisition of land rights and continued efforts to secure a grant with FEMA. The project increased in cost by $23.45 million due to additional flood protection elements, unforeseen permitting requirements required by Regulatory Agencies, resulting in increases for mitigation credits, in lieu fees, and additional analysis to address regulatory requirements, design changes, utility relocation efforts, acquisition of land rights and additional land area needed, and unaccounted costs for hydraulic lift infrastructure (power & controls) for passive barriers in the parks.

Flood Protection Capital Improvements

- The Upper Penitencia Creek, Coyote Creek to Dorel Drive (E4) Project increased in cost by $2.09 million and the overall schedule is being extended by five years to address staffing shortages. The project is scheduled to resume in FY30 and be completed in FY33. Currently there is no construction funding for this project following the 2023 Board decision to modify the project's funding allocation to remove construction-related planned allocations.
- The Llagas Creek-Upper, Corps Coordination Project (E6) schedule is extended by a year to accommodate project regulatory permit monitoring in the close-out phase. Project No. 26174052 was initially established to encompass all phases of construction: Phases 1, 2A, and 2B. However, to meet federal grant funding requirements from the NRCS and simplify the audit process, a separate project number - No. 26174055, was created specifically to track expenses for Phase 2B construction. Phase 2A construction was completed in October 2024, with the Notice of Completion scheduled for consideration by the Board of Directors on January 28, 2025. With Phase 2A construction now complete, the remaining funds are being reallocated to Project No. 26174055 to support Phase 2B construction. The project decreased in cost by $7.97 million.
- The Llagas Creek, Upper, Design (E6) Project decreased in cost by $3.31 million and the overall schedule has been extended by one year. The schedule was adjusted to match the current Llagas Creek, Phase 2B construction completion. The project closeout is anticipated at the end of FY27. Staff analysis of the planned expenditures has resulted in a reduction of anticipated funds required to close out this Project.
- The Llagas Creek, Upper, Phase 2B Construction (E6) Project increased in cost by $64.47 million and the overall schedule has been extended by four years. The project schedule is being updated to reflect a delay due to the NRCS Grant being approved in July and a delay in completing the project plans and specifications, which caused the project to miss a construction season. The civil construction started in August 2024 (FY25) and is anticipated to be completed in March 2027. In addition, there will be a three-year plant establishment period extending to March 2030. Prior year expenditures in FY24 are related to plan and specs review. Project planned expenditures have been adjusted to reflect updated construction cost, plant establishment, and close-out.
- The SF Bay Shoreline (E7) Project increased in cost by $87.40 million. The United States Army Corps of Engineers (USACE) is the project administrator for planning, design, and construction of the project. Valley Water will be providing the cost share for the project, in addition to management of the Reach 4-5 pre-construction activities. The project includes design and construction of the Reaches 4-5 flood risk management levees based on various assumptions. The UPRR closure structure and bridge design and construction costs are not included. Also not included are ecotone design and construction cost, pond breaching, and monitoring and adaptive management plan. The project schedule has been extended to account for: 1) USACE to complete Value Engineering efforts, gather additional field data, and conduct hydraulic analysis required, 2) Completion of environmental and right-of-way phases to support the design and future construction activities, 3) Completion of construction of Reaches 4-5 levees. The project planned expenditures have increased due to the inclusion of the Reach 4-5 levee construction. USACE will be providing an updated total project cost estimate for all project elements at the end of March 2025.
- The SF Bay Shoreline, EIAs 1-4 (E7) Project decreased in cost by $22.98 million due to the removal of the Design and Construction planned expenditures. USACE is the project lead for the San Francisco Bay Shoreline Protection Project, Environmental Impact Areas 1-4 (Phase II). USACE concluded the study in April 2024, determining that the damages from coastal flooding are not great enough to justify the cost of a levee until sea level rise is greater in several decades. Consequently, USACE is closing the project due to a lack of federal interest. Without federal participation, Valley Water cannot implement planning, design, and construction independently due to limited funding. Therefore, on February 11, 2025, the Board modified the project to remove EIAs 1-4 design and construction as a Project E7 key performance indicator (KPI) in the first 15-year funding cycle (FY2022 - 2036) of the renewed Safe, Clean Water Program. Consequently, the project scope, schedule and expenditures are updated to remove the Design and Construction phases. The Planning Phase will remain open in FY25 and FY26 for close-out tasks. The overall Project schedule has been reduced by seven years.
- The SF Bay Shoreline, EIAs 5-9 (E7) Project decreased in cost by $189 thousand due to the adjustment of planned expenditures to account for the latest USACE cost estimate. The overall Project schedule has been extended by two years.

Flood Protection Capital Improvements

- The Watersheds Asset Rehabilitation Program (WARP) Project increased in cost by $4.17 million. Since this project was reprogrammed as a Small Capital project in FY25, and Small Capital projects do not process Change Management Memos (CMMs), a CMM was not processed at the time the project plan was updated. This is because Small Capital project forecasts are revised yearly with asset rehabilitation projects added, removed, and rescheduled based on asset condition and project need. As referenced above, as part of last year's CIP Development Cycle for the CIP FY 2025-29 Five-Year Plan staff recommended that WARP be categorized as a Small Capital Improvement Project, as it was originally introduced into the CIP as a Small Capital project. Upon further analysis, WARP is more similar to the proposed Pipeline Maintenance Program (PMP), which is being recommended for inclusion in the CIP as an ongoing program that will allow for the identification and planning for small-to-medium-scale pipeline rehabilitation projects. Staff is proposing a recategorization and name change for WARP to remove the "Small Capital" reference for the CIP FY 2026-30 Five-Year Plan.

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, San Francisco Bay to Middlefield Road (E5)
- Sunnyvale East and West Channels (E2)
- Upper Guadalupe River, I-280 to Blossom Hill Road (E8)
- Berryessa Creek, Lower Penitencia Creek to Calaveras Boulevard Phase 3 - Planning and Design (E3)
- Coyote Creek, Montague Expressway to Tully Road (E1)
- Upper Penitencia Creek, Coyote Creek to Dorel Drive (E4)
- Llagas Creek-Upper, Buena Vista Avenue to Llagas Road (E6)
- San Francisco Bay Shoreline - EIAs 1-4 and Planning and Design for EIAs 5-9 (E7)
- San Francisco Bay Shoreline - EIA 11, Design & Partial Construction (E7)

With the exception of the Berryessa Creek, Lower Penitencia Creek to Calaveras Boulevard Phase 3, each of these projects was also included in the 2012 Safe, Clean Water Program.

Additionally, the following projects are considered complete under the 2012 Safe, Clean Water Program, as the key performance indicators (KPIs) had been delivered, but are still included in the CIP, as it is in the close-out phase:

- Permanente Creek, San Francisco Bay to Foothill Expressway (2012 Safe, Clean Water)
- Berryessa Creek, Calaveras Boulevard to I-680 (2012 Safe, Clean Water)

For more information about the Safe, Clean Water Program visit www.valleywater.org. Please see Appendix C for the implementation schedule for the Renewed Program.

Flood Protection Capital Improvements

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 2024-25.

Flood Protection Funding Schedule ($K)

Project Number	PROJECT NAME	Through FY24	FY25*	FY25 Unspent	FY26	FY27	FY28	FY29	FY30	FY31-40	TOTAL
	LOWER PENINSULA WATERSHED										
10394001	Palo Alto Flood Basin Tide Gate Structure Replacement	7,537	650	-	3,047	49	-	-	-	-	11,282
10244001s	Permanente Creek, SF Bay to Foothill Expressway	115,245	21	-	-	-	-	-	-	-	115,266
10284007s	San Francisquito Creek, SF Bay thru Searsville Dam (E5)	80,695	22,782	36,897	-	-	-	18,154	-	-	121,631
	WEST VALLEY WATERSHED										
26074002	Sunnyvale East and West Channels (E2)	38,402	9,362	13,919	-	19,289	21,856	1,527	-	-	90,436
	GUADALUPE WATERSHED										
30154019	Lower Guadalupe River Capacity Restoration Project	6,954	3,121	-	3,135	3,276	30,862	30,862	30,803	1,394	110,407
26154001s	Guadalupe River–Upper, I-280 to Blossom Hill Road (E8)	135,234	-	19,964	-	-	185	1,829	667	-	137,915
	COYOTE WATERSHED										
26174041s	Berryessa Creek, Calaveras Boulevard to Interstate 680	54,410	-	10,968	-	-	-	-	265	616	55,291
40174004s	Berryessa Ck, Lower Penitencia Ck to Calaveras Blvd	138,058	448	1,564	73	-	-	-	-	77,224	215,803
26174043	Coyote Creek, Montague Expressway to Tully Road (E1)	29,334	16,065	4,125	21,686	71,278	69,988	34,783	599	845	244,578
40334005	Lower Penitencia Ck Improvements, Coyote Ck to Berryessa Ck	35,394	-	34	101	21	-	-	-	-	35,516
40324003s	Upper Penitencia Creek, Coyote Creek to Dorel Drive	23,029	-	7,303	-	-	-	-	-	2,932	25,960
	UVAS/LLAGAS WATERSHED										
26174051s	Llagas Creek–Upper, Buena Vista Avenue to Llagas Road (E6)	272,205	58,636	36,598	26,589	48,682	112	112	237	-	406,573
	MULTIPLE WATERSHEDS										
00044026s	San Francisco Bay Shoreline (E7)	132,919	2,143	6,188	6,174	8,185	93,080	3,124	2,243	1,901	249,768
62084001	Watersheds Asset Rehabilitation Program (WARP)	63,173	19,679	-	16,560	8,941	9,443	9,939	10,424	170,420	308,579
	TOTAL	1,132,589	132,907	137,560	77,364	159,720	225,526	100,331	45,238	255,330	2,129,006

**FY 2025 Adjusted Budget includes adopted budget plus budget adjustments*

FY 2024-25 Funds to be reappropriated

Flood Protection - Funding Sources ($K)

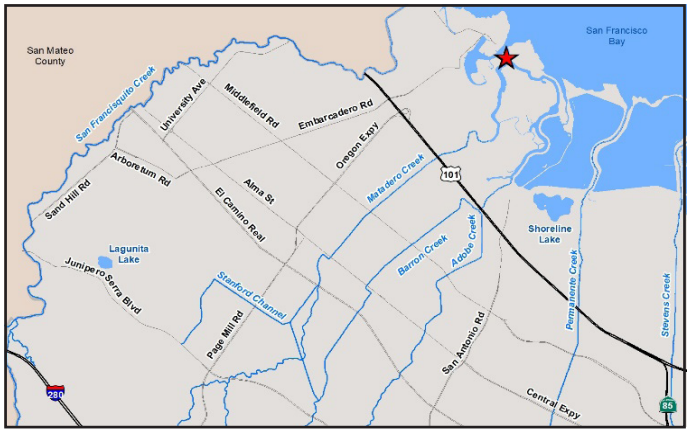
Fund Number	FUND NAME	Through FY24	FY25*	FY25 Unspent	FY26	FY27	FY28	FY29	FY30	FY31-40	TOTAL
12	Watershed Stream Stewardship Fund	391,052	23,972	1,598	27,685	17,349	130,446	41,767	42,336	242,543	917,149
26	Safe, Clean Water and Natural Flood Protection Fund	741,537	108,936	135,962	49,679	142,372	95,080	58,564	2,902	12,788	1,211,858
	TOTAL	1,132,589	132,907	137,560	77,364	159,720	225,526	100,331	45,238	255,330	2,129,006

FY 2024-25 Funds to be reappropriated

Lower Peninsula Watershed

PROJECT	Palo Alto Flood Basin Tide Gate Structure Replacement		
PROGRAM	Flood Protection - Lower Peninsula Watershed	**CONTACT**	Bhavani Yerrapotu
PROJECT NO.	10394001		byerrapotu@valleywater.org

View from west side of Palo Alto tide gates facing east



Location Map

★ Project Location

PROJECT DESCRIPTION

This project plans and designs a rehabilitation and retrofit in the short-term and a replacement tide gate structure in the long-term for the Palo Alto Flood Basin to accomplish the following objectives:

- Retrofit the existing tide gate structure to reduce seismic vulnerabilities
- Rehabilitate the existing tide gate structure to extend the service life of the structure
- Work with United States Army Corps of Engineers for a long-term replacement tide gate structure as part of the San Francisco Bay Shoreline Project

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 30-50 Years

SCHEDULE & STATUS

November 2018 to September 2026

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	1,156											
Permits	1,783											
Design	4,684											
Construct	3,514											
Closeout	95											
	11,278	Total project cost may include expenditures not yet allocated to a specific phase.										

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
10394001-Palo Alto Flood Basin Tide Gate Structure Replacement	7,382	804	3,047	45	0	0	0	0	11,278
with inflation	7,382	804	3,047	49	0	0	0	0	11,282
Actuals include project expenditures and encumbrances.									

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
10394001-Palo Alto Flood Basin Tide Gate Structure Replacement	7,537	650	0	3,047	49	0	0	0	0	11,282
Adjusted Budget includes adopted budget plus approved budget adjustments.										

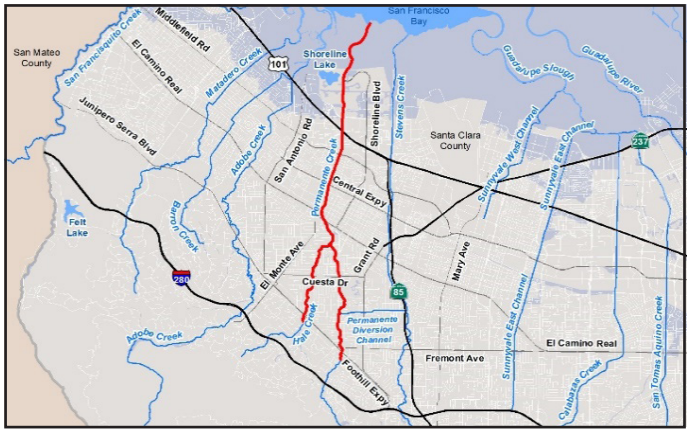
FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	11,282
Other Funding Sources	0
Total	**11,282**

PROJECT	Permanente Creek, San Francisco Bay to Foothill Expressway		
PROGRAM	Flood Protection – Lower Peninsula Watershed	**CONTACT**	Bhavani Yerrapotu
PROJECT NO.	10244001s		byerrapotu@valleywater.org

McKelvey Ball Park and Detention Basin upon completion in February 2020



Location Map

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements along 10.6 miles of Permanente Creek, from San Francisco Bay to Foothill Expressway, and Hale Creek from Foothill Expressway to its confluence with Permanente Creek, 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
- Provide recreation enhancements

This project is anticipated to be completed and closed by June 30, 2025.

This project meets the commitments of the voter-approved 2012 Safe, Clean Water Program (SCW). For a full description of the SCW benefits and KPIs, please visit www.valleywater.org.

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 50 Years

SCHEDULE & STATUS

July 2001 to June 2025

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

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	10,051											
Permits	3,970											
Design	18,562											
Construct	82,048											
Closeout	635											
	115,266	Total project cost may include expenditures not yet allocated to a specific phase.										

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
10244001-Permanente Ck, S.F. Bay to Foothill Expwy – Lower Peninsula Fund	19,713	635	0	0	0	0	0	0	20,348
with inflation	19,713	635	0	0	0	0	0	0	20,348
26244001-Permanente Ck, S.F. Bay to Foothill Expwy	94,876	42	0	0	0	0	0	0	94,918
with inflation	94,876	42	0	0	0	0	0	0	94,918
TOTAL	**114,589**	**677**	**0**	**0**	**0**	**0**	**0**	**0**	**115,266**
with inflation	**114,589**	**677**	**0**	**0**	**0**	**0**	**0**	**0**	**115,266**
Actuals include project expenditures and encumbrances.									

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
10244001-Permanente Ck, S.F. Bay to Foothill Expwy – Lower Peninsula Fund	20,327	21	0	0	0	0	0	0	0	20,348
26244001-Permanente Ck, S.F. Bay to Foothill Expwy	94,918	0	0	0	0	0	0	0	0	94,918
TOTAL	**115,245**	**21**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**115,266**
Adjusted Budget includes adopted budget plus approved budget adjustments.										

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	20,348
SCVWD Clean, Safe Creeks and Safe, Clean Water and Natural Flood Protection Fund	93,895
City of Mountain View	1,023
Total	**115,266**

PROJECT	San Francisquito Creek, San Francisco Bay to Searsville Dam (E5)		
PROGRAM	Flood Protection – Lower Peninsula Watershed	**CONTACT**	Bhavani Yerrapotu
PROJECT NO.	10284007s		byerrapotu@valleywater.org

Upstream face of Pope/Chaucer Street with water surface approximately two feet below the soffit

Location Map

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 (USACE), 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 provide 70-year flood protection upstream of Highway 101.

This project is accounted for in the following:

- 10284007 – S.F. Bay thru Searsville Dam – Completed
- 10284008 – Early Implementation – Completed
- 26284001 – S.F. Bay thru Searsville Dam (E5) – Closed
- 26284002 – S.F. Bay thru Searsville Dam (E5)

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.

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 50+ Years

SCHEDULE & STATUS

June 2003 to June 2029

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	4,637											
Permits	2,069											
Design	24,158											
Construct	80,542											
Closeout	38											
	112,831	Total project cost may include expenditures not yet allocated to a specific phase.										

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
10284007-San Francisquito Creek- San Francisco Bay to Searsville Dam	4,064	0	0	0	0	0	0	0	4,064
with inflation	4,064	0	0	0	0	0	0	0	4,064
10284008-San Francisquito Ck, Early Implementation	1,614	0	0	0	0	0	0	0	1,614
with inflation	1,614	0	0	0	0	0	0	0	1,614
26284001-San Francisquito Ck, S.F. Bay thru Searsville Dam (E5)	6,411	0	0	0	0	0	0	0	6,411
with inflation	6,411	0	0	0	0	0	0	0	6,411
26284002-San Francisquito Creek - San Francisco Bay thru Searsville Dam (E5)	53,034	1,457	1,716	1,634	8,575	34,327	0	0	100,742
with inflation	53,034	1,457	1,716	1,792	10,008	41,535	0	0	109,542
TOTAL	**65,123**	**1,457**	**1,716**	**1,634**	**8,575**	**34,327**	**0**	**0**	**112,831**
with inflation	**65,123**	**1,457**	**1,716**	**1,792**	**10,008**	**41,535**	**0**	**0**	**121,631**

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
10284007-San Francisquito Creek- San Francisco Bay to Searsville Dam	4,064	0	0	0	0	0	0	0	0	4,064
10284008-San Francisquito Ck, Early Implementation	1,614	0	0	0	0	0	0	0	0	1,614
26284001-San Francisquito Ck, S.F. Bay thru Searsville Dam (E5)	6,411	0	0	0	0	0	0	0	0	6,411
26284002-San Francisquito Creek - San Francisco Bay thru Searsville Dam (E5)	68,606	22,782	36,897	0	0	0	18,154	0	0	109,542
TOTAL	**80,695**	**22,782**	**36,897**	**0**	**0**	**0**	**18,154**	**0**	**0**	**121,631**

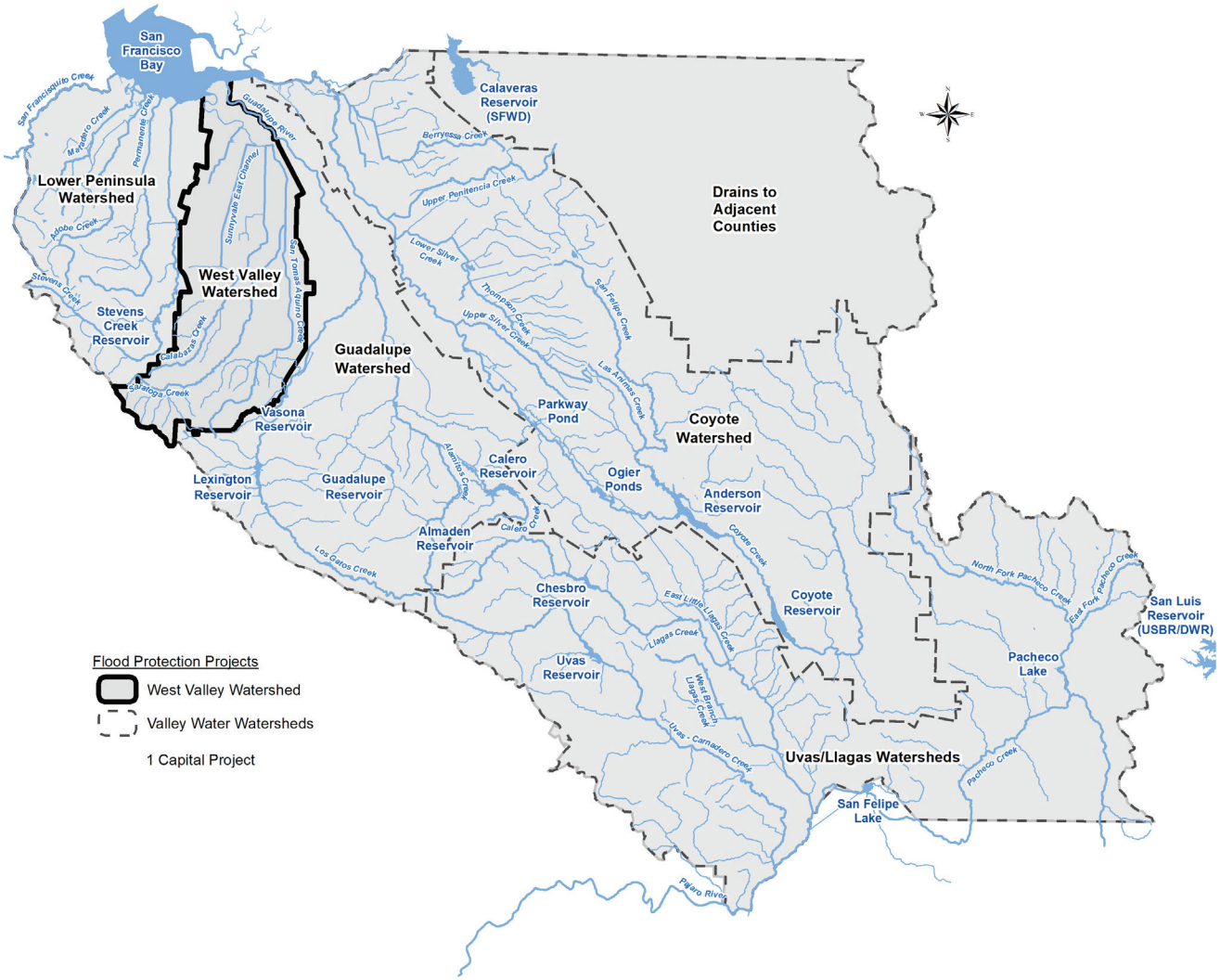
Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

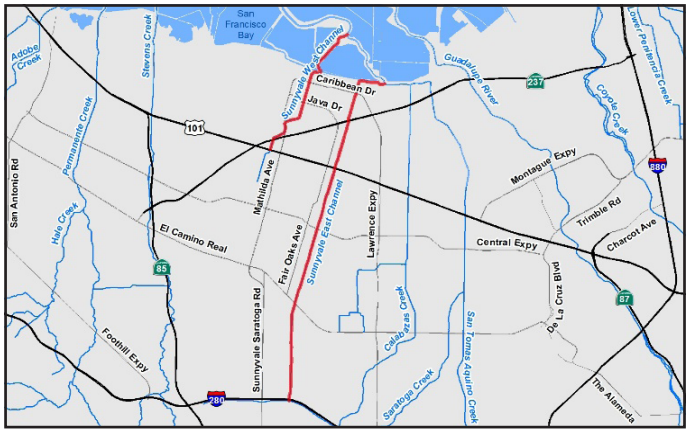
SCVWD Watershed Stream Stewardship Fund	5,678
SCVWD Safe, Clean Water and Natural Flood Protection Fund	75,840
JPA and Member Agencies (D/S Funding)	5,558
Unsecured Grants and Partnerships (U/S Funding)	34,555
Total	**121,631**
San Francisquito Joint Powers Authority	11,040
County of San Mateo - In-kind Services	1,500
County and USACE participation are for Feasibility Study activities only. Additional funding will be negotiated during subsequent phases.	

West Valley Watershed



PROJECT	Sunnyvale East and West Channels Flood Protection Project (E2)		
PROGRAM	Flood Protection – West Valley Watershed	**CONTACT**	Bhavani Yerrapotu
PROJECT NO.	26074002		byerrapotu@valleywater.org

Sunnyvale West Channel looking south at Carl Road



Location Map

PROJECT DESCRIPTION

The West Channel extends approximately three miles and upgrades existing channel capacity to provide 1% (or 100-year) 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% flood protection for 1,618 parcels. The project is being constructed in two phases. Sunnyvale East and West Channel will decrease channel turbidity and sediment by repairing erosion sites, thereby improving water quality.

The project will accomplish the following objectives:

- Provide 1% flood capacity for approximately 6.4 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)
- Improve channel water quality by providing erosion control measures to decrease sediment and turbidity
- Identify opportunities to integrate recreation improvements with the City of Sunnyvale and others, as appropriate

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.

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 50 Years

SCHEDULE & STATUS

March 2006 to June 2029

*Construction schedule reflects Phase 1 construction activities (West Channel)

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	5,776											
Permits	2,066											
Design	24,675											
Construct	55,301											
Closeout	200											
	88,134	Total project cost may include expenditures not yet allocated to a specific phase.										

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
26074002-Sunnyvale East and West Channels Flood Protection Project (E2)	28,148	5,697	11,388	20,750	20,750	1,400	0	0	88,134
with inflation	28,148	5,697	11,388	21,819	21,856	1,527	0	0	90,436
Actuals include project expenditures and encumbrances.									

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
26074002-Sunnyvale East and West Channels Flood Protection Project (E2)	38,402	9,363	13,919	0	19,289	21,856	1,527	0	0	90,436
Adjusted Budget includes adopted budget plus approved budget adjustments.										

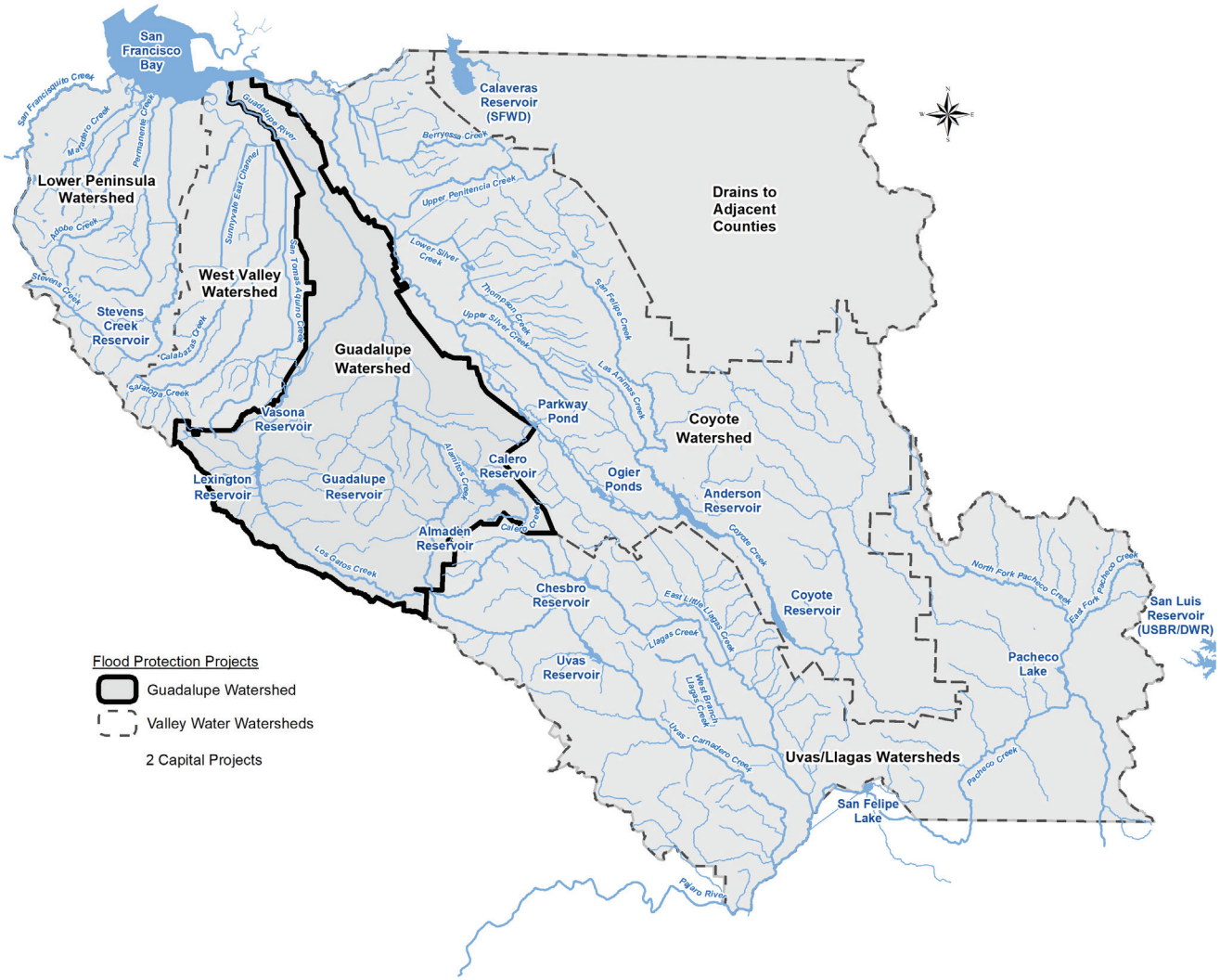
FUNDING SOURCES

(in thousands $)

SCVWD Clean, Safe Creeks and Safe, Clean Water and Natural Flood Protection Fund	90,436
Other Funding Source	0
Total	**90,436**

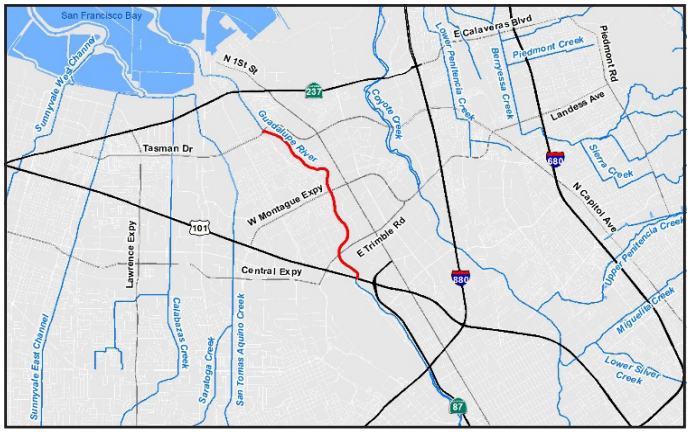
Valley Water estimates total WIFIA debt service payment for the eligible SCW projects would be $146.7 million in principal, plus $227.3 million in interest, for a total of $374 million with final payoff of the loan occurring in 2061.

Guadalupe Watershed



PROJECT	Lower Guadalupe River Capacity Restoration Project		
PROGRAM	Flood Protection – Guadalupe Watershed	**CONTACT**	Bhavani Yerrapotu
PROJECT NO.	30154019		byerrapotu@valleywater.org

East bank of the Guadalupe River, looking upstream toward Trimble Road



Location Map

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements along the Guadalupe River from Tasman Drive to Highway 101 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

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 100 Years

SCHEDULE & STATUS

March 2019 to December 2034

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	5,589											
Design	10,145											
Construct	79,923											
Closeout	50											
	96,183	Total project cost may include expenditures not yet allocated to a specific phase.										

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
30154019-Lower Guadalupe River Capacity Restoration Project	4,816	5,260	3,135	3,000	26,283	26,283	26,233	1,174	96,183
with inflation	4,816	5,260	3,135	3,276	30,862	30,862	30,803	1,394	110,407
Actuals include project expenditures and encumbrances.									

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
30154019-Lower Guadalupe River Capacity Restoration Project	6,954	3,121	0	3,135	3,276	30,862	30,862	30,803	1,394	110,407
Adjusted Budget includes adopted budget plus approved budget adjustments.										

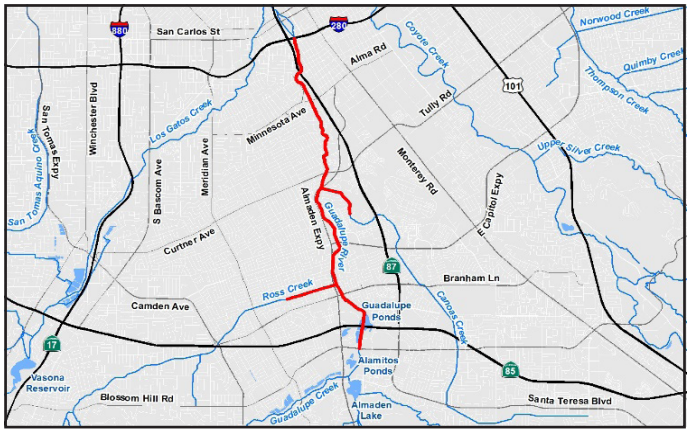
FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	110,407
Other Funding Sources	0
Total	**110,407**

PROJECT	Guadalupe River-Upper, Interstate 280 to Blossom Hill Road (E8)		
PROGRAM	Flood Protection - Guadalupe Watershed	**CONTACT**	Bhavani Yerrapotu
PROJECT NO.	26154001s		byerrapotu@valleywater.org

Flooding from Guadalupe River on Willow Street near the Southern Pacific Railroad Bridge



Location Map

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 Interstate 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 to provide 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 José 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 – Completed
- 26154003 – Southern Pacific Railroad Bridge to Blossom Hill Road, Reaches 7-12: The USACE is conducting a General Reevaluation Report, which is expected to be completed in fiscal year 2025

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.

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 30+ Years

SCHEDULE & STATUS

September 1985 to June 2033

Planning phase is complete. Design and construction of eight individual reaches are being done sequentially.

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	9,133											
Permits	3,429											
Design	88,204											
Construct	28,114											
Closeout	232											
	133,062	Total project cost may include expenditures not yet allocated to a specific phase.										

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
26154001-Guadalupe Rv—Upr, Fish Passage Mods (E8)	2,651	0	0	0	0	0	0	0	2,651
with inflation	2,651	0	0	0	0	0	0	0	2,651
26154002-Guadalupe Rv—Upr, I-280 to SPRR -Reach 6 (E8)	34,803	244	31	160	200	1,480	535	0	37,454
with inflation	34,803	244	31	175	229	1,829	667	0	37,978
26154003-Guadalupe Rv—Upper, SPRR to Blossom Hill Rd. - Reaches 7-12 (E8)	69,460	225	10,888	2,883	1,198	83	83	249	85,070
with inflation	69,460	225	10,888	3,148	1,367	99	103	340	85,631
Actuals in closed project numbers	7,887	0	0	0	0	0	0	0	7,887
with inflation	7,887	0	0	0	0	0	0	0	7,887
TOTAL	**114,801**	**469**	**10,919**	**3,043**	**1,398**	**1,563**	**618**	**249**	**133,062**
with inflation	**114,801**	**469**	**10,919**	**3,323**	**1,596**	**1,928**	**771**	**340**	**134,147**
Actuals include project expenditures and encumbrances.									

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
26154001-Guadalupe Rv—Upr, Fish Passage Mods (E8)	2,651	0	0	0	0	0	0	0	0	2,651
26154002-Guadalupe Rv—Upr, I-280 to SPRR -Reach 6 (E8)	35,297	0	250	0	0	185	1,829	667	0	37,978
26154003-Guadalupe Rv—Upper, SPRR to Blossom Hill Rd. - Reaches 7-12 (E8)	89,399	0	19,714	0	0	0	0	0	0	89,399
Actuals in closed project numbers	7,887	0	0	0	0	0	0	0	0	7,887
TOTAL	**135,234**	**0**	**19,964**	**0**	**0**	**185**	**1,829**	**667**	**0**	**137,915**
Adjusted Budget includes adopted budget plus approved budget adjustments. Funding exceeds planned expenditures by approximately $3.768 million. Excess funds will be returned to Fund Reserves at the close of the project.										

FUNDING SOURCES

(in thousands $)

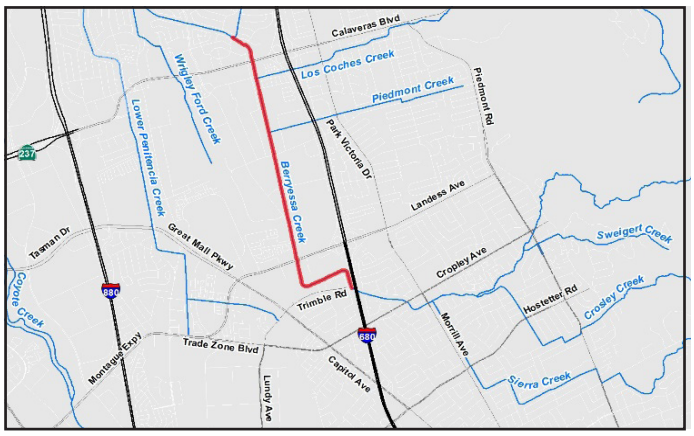
SCVWD Watershed Stream Stewardship Fund	12,000
SCVWD Safe, Clean Water and Natural Flood Protection Fund	89,894
State of California	31,430
City of San José	4,591
Total	**137,915**

Coyote Watershed

PROJECT	**Berryessa Creek, Calaveras Boulevard to Interstate 680**
PROGRAM	Flood Protection - Coyote Watershed
PROJECT NO.	26174041s

CONTACT Bhavani Yerrapotu
byerrapotu@valleywater.org

Upper Berryessa Creek looking downstream from Yosemite Drive in the City of Milpitas



Location Map

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 José 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

This project is accounted for in the following:

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

This project meets the commitments of the voter-approved 2012 Safe, Clean Water Program (SCW). For a full description of the SCW benefits and KPIs, please visit www.valleywater.org.

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 30+ Years

SCHEDULE & STATUS

January 2000 to June 2031

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	8,327											
Permits	1,886											
Design	19,333											
Construct	24,374											
Closeout	426											
	54,713	Total project cost may include expenditures not yet allocated to a specific phase.										

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
26174041-Berryessa Creek, USACE Coordination	25,022	750	6,798	1,500	1,500	500	500	473	37,043
with inflation	25,022	750	6,798	1,596	1,621	596	623	616	37,621
26174042-Berryessa Creek, LERRDs	17,670	0	0	0	0	0	0	0	17,670
with inflation	17,670	0	0	0	0	0	0	0	17,670
TOTAL	**42,692**	**750**	**6,798**	**1,500**	**1,500**	**500**	**1,623**	**1,562**	**54,713**
with inflation	**42,692**	**750**	**6,798**	**1,596**	**1,621**	**596**	**623**	**616**	**55,292**
Actuals include project expenditures and encumbrances.									

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
26174041-Berryessa Creek, USACE Coordination	36,740	0	10,968	0	0	0	0	265	616	37,621
26174042-Berryessa Creek, LERRDs	17,670	0	0	0	0	0	0	0	0	17,670
TOTAL	**54,410**	**0**	**10,969**	**0**	**0**	**0**	**0**	**265**	**616**	**55,292**
Adjusted Budget includes adopted budget plus approved budget adjustments.										

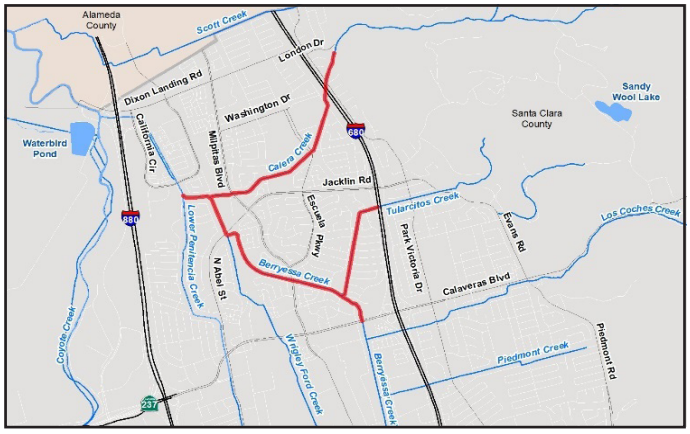
FUNDING SOURCES

(in thousands $)

SCVWD Clean, Safe Creeks and Safe, Clean Water and Natural Flood Protection Fund	41,168
State of California	4,124
Department of Water Resources (Prop 1E)	10,000
Total	**55,292**
USACE In-kind Services	13,600

PROJECT	Berryessa Creek, Lower Penitencia Creek to Calaveras Boulevard		
PROGRAM	Flood Protection - Coyote Watershed	**CONTACT**	Bhavani Yerrapotu
PROJECT NO.	40174004s		byerrapotu@valleywater.org

Lower Calera Creek looking downstream towards Milpitas Boulevard



Location Map

Project Location

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

This project meets the commitments of the voter-approved Safe, Clean Water Program (SCW), Project E3. For a full description of the SCW benefits and KPIs, please visit www.valleywater.org.

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 30+ Years

SCHEDULE & STATUS

March 2001 to June 2041

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

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	7,957											
Permits	2,086											
Design	22,001											
Construct	146,247											
Closeout	45											
	179,206	Total project cost may include expenditures not yet allocated to a specific phase.										

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
40174004-Berryessa Creek, Lower Penitencia Creek to Calaveras Boulevard, Phase 1	46,906	0	0	0	0	0	0	0	46,906
with inflation	46,906	0	0	0	0	0	0	0	46,906
40174005-Berryessa Creek, Lower Penitencia Creek to Calaveras Boulevard, Phase 2	89,494	542	73	0	0	0	0	0	90,109
with inflation	89,494	542	73	0	0	0	0	0	90,109
40C40397-Berryessa Creek, Lower Penitencia Creek to Calaveras Boulevard, Phase 3	0	0	0	0	0	0	0	37,041	37,041
with inflation	0	0	0	0	0	0	0	69,419	69,419
26C40420-Phase 3 Planning/Design only (E3)	0	0	0	0	0	0	0	5,150	5,150
with inflation	0	0	0	0	0	0	0	7,804	7,804
TOTAL	**136,400**	**542**	**73**	**0**	**0**	**0**	**0**	**42,191**	**179,206**
with inflation	**136,400**	**542**	**73**	**0**	**0**	**0**	**0**	**77,224**	**214,239**

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
40174004-Berryessa Creek, Lower Penitencia Creek to Calaveras Boulevard, Phase 1	48,470	0	1,564	0	0	0	0	0	0	48,470
40174005-Berryessa Creek, Lower Penitencia Creek to Calaveras Boulevard, Phase 2	89,588	448	0	73	0	0	0	0	0	90,109
40C40397-Berryessa Creek, Lower Penitencia Creek to Calaveras Boulevard, Phase 3	0	0	0	0	0	0	0	0	69,419	69,419
26C40420-Phase 3 Planning/Design only (E3)	0	0	0	0	0	0	0	0	7,804	7,804
TOTAL	**138,058**	**448**	**1,564**	**73**	**0**	**0**	**0**	**0**	**77,224**	**215,803**

Adjusted Budget includes adopted budget plus approved budget adjustments. Project 40174004 funding exceeds planned expenditures by approximately $1.564 million. Excess funds will be returned to Fund Reserves at the close of the project.

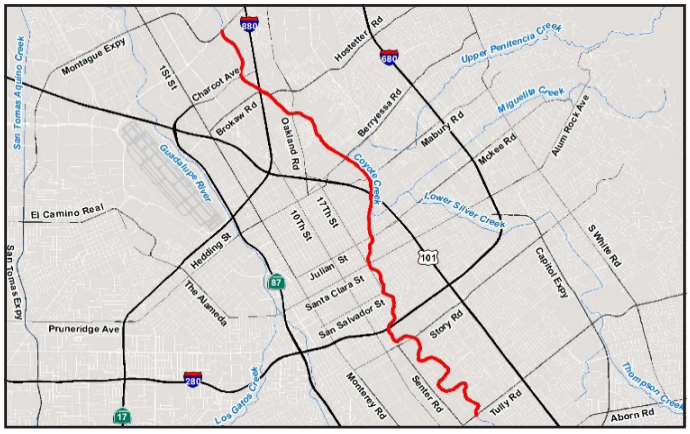
FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	213,808
SCVWD Safe, Clean Water Fund	7,804
Department of Water Resources (Prop 1E)	15,000
City of Milpitas	1,995
Total	**215,803**

PROJECT	Coyote Creek, Montague Expressway to Tully Road (E1)		
PROGRAM	Flood Protection – Coyote Watershed	**CONTACT**	Bhavani Yerrapotu
PROJECT NO.	26174043		byerrapotu@valleywater.org

February 2017 flood event, Rock Springs Drive looking northeast towards Rocksprings Park



Location Map

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:

- Reduce the risk of flooding to homes, schools, businesses, and highways from 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.

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 50 Years

SCHEDULE & STATUS

November 2017 to June 2032

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	9,985											
Permits	3,283											
Design	45,424											
Construct	167,341											
Closeout	106											
	226,674	Total project cost may include expenditures not yet allocated to a specific phase.										

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
26174043-Coyote Creek, Montague Expressway to Tully Road (E1)	28,903	12,371	25,811	64,500	62,900	31,075	481	634	226,674
with inflation	28,903	12,371	25,811	71,278	69,988	34,783	599	846	244,578
Actuals include project expenditures and encumbrances.									

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
26174043-Coyote Creek, Montague Expressway to Tully Road (E1)	29,334	16,065	4,125	21,686	71,278	69,988	34,783	599	846	244,578
Adjusted Budget includes adopted budget plus approved budget adjustments.										

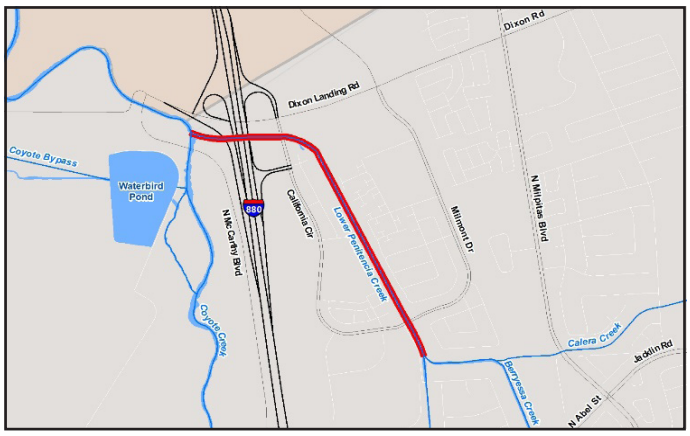
FUNDING SOURCES

(in thousands $)

SCVWD Clean, Safe Creeks and Safe, Clean Water and Natural Flood Protection Fund	244,578
Other Funding Sources	0
Total	**244,578**
Valley Water estimates total WIFIA debt service payment for the eligible SCW projects would be $146.7 million in principal, plus $227.3 million in interest, for a total of $374 million with final payoff of the loan occurring in 2061.	

PROJECT	Lower Penitencia Creek Improvements, Coyote Creek to Berryessa Creek		
PROGRAM	Flood Protection - Coyote Watershed	**CONTACT**	Bhavani Yerrapotu
PROJECT NO.	40334005		byerrapotu@valleywater.org

Milmont Road to California Circle (Midstream Right Bank)



Location Map

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

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 50 Years

SCHEDULE & STATUS

October 2010 to December 2026

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	3,576											
Permits	996											
Design	6,608											
Construct	24,304											
Closeout	20											
	35,514	Total project cost may include expenditures not yet allocated to a specific phase.										

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
40334005-Lower Penitencia Creek Improvements, Coyote Creek to Berryessa Creek	34,997	363	135	20	0	0	0	0	35,514
with inflation	34,997	363	135	21	0	0	0	0	35,516
Actuals include project expenditures and encumbrances.									

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
40334005-Lower Penitencia Creek Improvements, Coyote Creek to Berryessa Creek	35,394	0	34	101	21	0	0	0	0	35,516
Adjusted Budget includes adopted budget plus approved budget adjustments.										

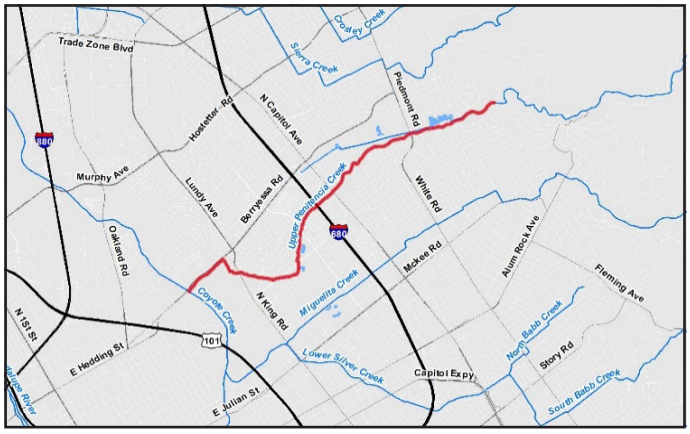
FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	30,516
Department of Water Resources (Prop 1E)	5,000
City of Milpitas	314
Total	**35,516**

PROJECT	Upper Penitencia Creek, Coyote Creek to Dorel Drive (E4)		
PROGRAM	Flood Protection - Coyote Watershed	**CONTACT**	Bhavani Yerrapotu
PROJECT NO.	40324003s		byerrapotu@valleywater.org

Flooding at King Road on Upper Penitencia Creek



Location Map

PROJECT DESCRIPTION

Initially, this project partnered with the U.S. Army Corps of Engineers (USACE) to plan and design 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 decided that the multi-objective project which is appropriate for this creek could not be funded under the existing single-purpose authorization. The project has not been included in the USACE workplan since 2017. As Federal funding has not been secured and the local funding is insufficient to construct the project, Valley Water will reassess the availability of funding on an annual basis as part of the Capital Improvement Program's financial planning process.

This project will accomplish the following objectives:

- Provide 1% flood protection to more than 8,000 parcels
- Improve stream habitat values and fisheries potential
- Reduce sedimentation and maintenance requirements
- Identify opportunities to integrate recreation improvements consistent with the City of San José Master Plans, the County's Penitencia Creek Master Plan, and Santa Clara Countywide Trails Master Plan

This project is accounted for in the following:

- 40324003 – USACE Coordination – Completed
- 40324005 – Lands, Easements, Rights-of-Way, Relocations and Disposal – Completed
- 26324001 – Planning and Design

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.

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: Not Available

SCHEDULE & STATUS

July 2000 to June 2033

*Construction phase includes prior year construction costs for projects that are now closed.

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	10,439											
Permits	1,319											
Design	10,000											
Construct	1,482											
Closeout	-											
23,569	Total project cost may include expenditures not yet allocated to a specific phase.											

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
40324003-Upper Penitencia Ck, Coyote Ck to Dorel Dr, USACE Coordination	9,467	0	0	0	0	0	0	0	9,467
with inflation	9,467	0	0	0	0	0	0	0	9,467
40324005-Upper Penitencia Ck, Coyote Ck to Dorel Dr, LERRDs	2,309	0	0	0	0	0	0	0	2,309
with inflation	2,309	0	0	0	0	0	0	0	2,309
26324001-Upper Penitencia Ck, Coyote Ck to Dorel Dr (E4)	3,649	300	0	0	0	0	3,499	4,345	11,793
with inflation	3,649	300	0	0	0	0	4,360	5,874	14,184
TOTAL	**15,425**	**300**	**0**	**0**	**0**	**0**	**3,499**	**4,345**	**23,569**
with inflation	**15,425**	**300**	**0**	**0**	**0**	**0**	**4,360**	**5,874**	**25,960**
Actuals include project expenditures and encumbrances.									

FUNDING SCHEDULE

(in thousands $)

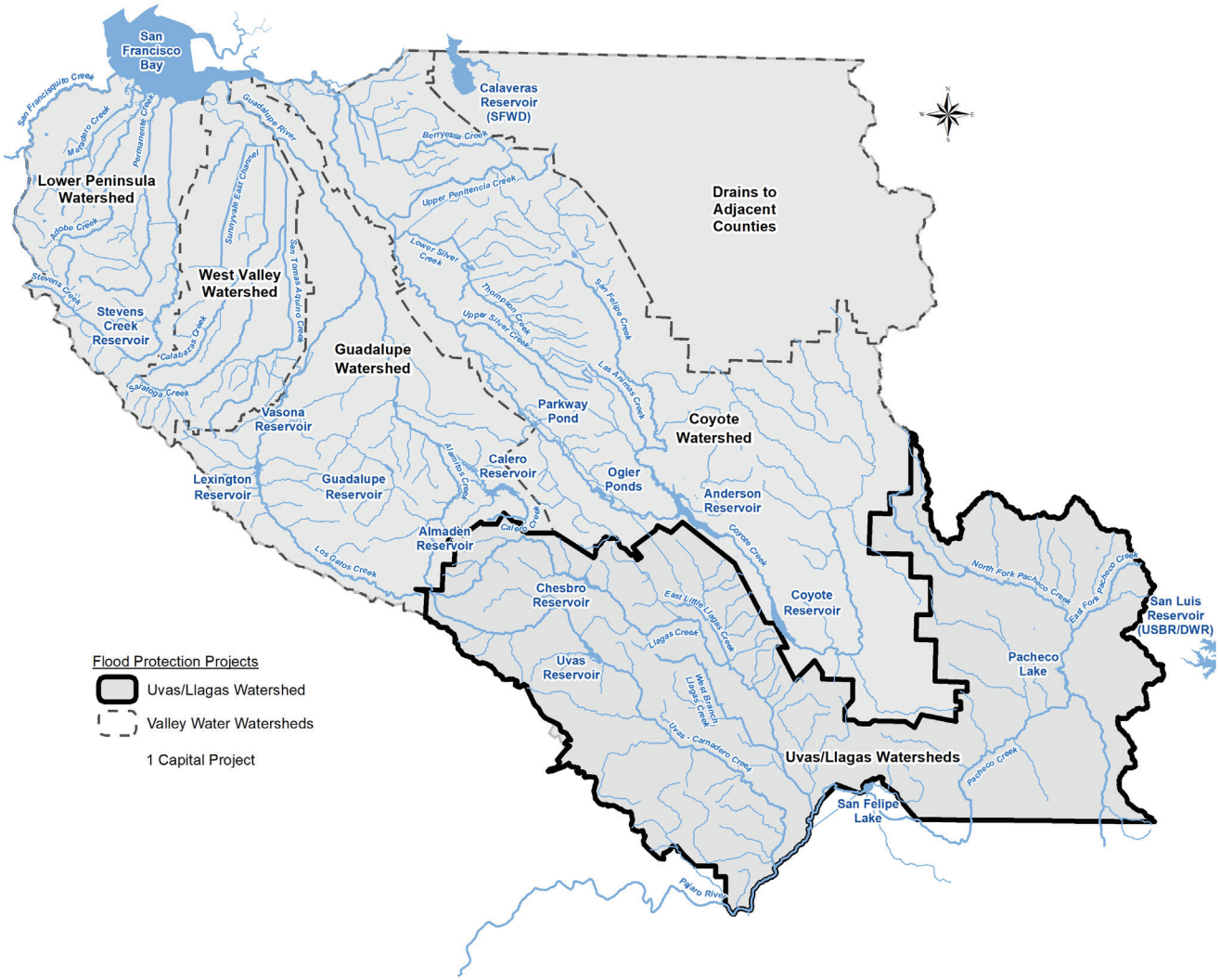
	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
40324003-Upper Penitencia Ck, Coyote Ck to Dorel Dr, USACE Coordination	9,467	0	0	0	0	0	0	0	0	9,467
40324005-Upper Penitencia Ck, Coyote Ck to Dorel Dr, LERRDs	2,309	0	0	0	0	0	0	0	0	2,309
26324001-Upper Penitencia Ck, Coyote Ck to Dorel Dr (E4)	11,253	0	7,303	0	0	0	0	0	2,931	14,184
TOTAL	**23,029**	**0**	**7,303**	**0**	**0**	**0**	**0**	**0**	**2,931**	**25,960**
Adjusted Budget includes adopted budget plus approved budget adjustments.										

FUNDING SOURCES

(in thousands $)

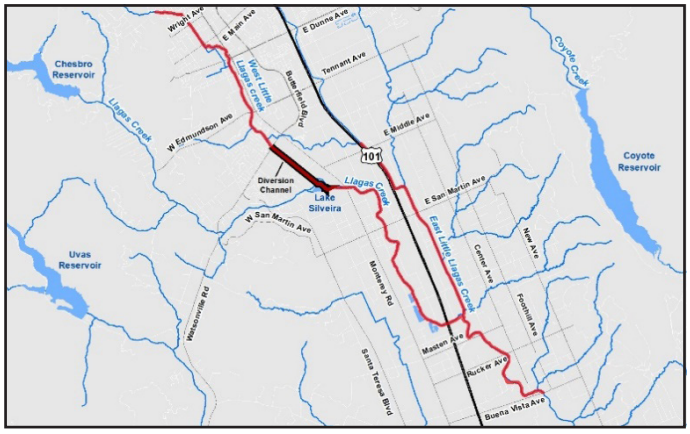
SCVWD Watershed Stream Stewardship Fund	11,776
SCVWD Safe, Clean Water Fund	14,184
Total	**25,960**

Uvas/Llagas Watersheds



PROJECT	Llagas Creek-Upper, Buena Vista Avenue to Llagas Road (E6)		
PROGRAM	Flood Protection - Uvas/Llagas Watershed	**CONTACT**	Bhavani Yerrapotu
PROJECT NO.	26174051s		byerrapotu@valleywater.org

Llagas Creek floods at Watsonville Road and the surrounding area



Location Map

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% flood event 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 - Lands, Easements, Rights of Way, Relocation, & Disposal (Reimbursable)
- 26174052 – Reaches 4-8 & 14 - Construction/Coordination with USACE
- 26174053 – Technical Studies – Completed
- 26174054 – Design
- 26174055 – Phase 2B Construction

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.

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 50+ Years

SCHEDULE & STATUS

July 2000 to June 2030

Project schedule may vary considerably and is dependent upon the USACE and Congress.

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	3,735											
Permits	9,140											
Design	73,501											
Construct	153,180											
Closeout	271											
240,255		Total project cost may include expenditures not yet allocated to a specific phase.										

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
26174051-Llagas Ck—Upper, LERRDs (E6)	48,776	854	523	20	0	0	0	0	50,172
with inflation	48,776	854	523	22	0	0	0	0	50,174
26174052-Llagas Ck—Upper, USACE Coordination (E6)	163,670	324	732	250	0	0	0	0	164,975
with inflation	163,670	324	732	273	0	0	0	0	164,998
26174053-Llagas Ck—Upper, Technical Studies	1,446	0	0	0	0	0	0	0	1,446
with inflation	1,446	0	0	0	0	0	0	0	1,446
26174054-Llagas Ck—Upper, Design (E6)	22,851	300	261	250	0	0	0	0	23,662
with inflation	22,851	300	261	273	0	0	0	0	23,685
26174055-Llagas Ck—Upper, Phase 2B Construction (E6)	22	56,000	48,925	48,200	110	110	210	0	153,578
with inflation	22	56,000	48,925	48,660	112	112	237	0	154,069
TOTAL	**236,742**	**1,478**	**1,515**	**520**	**0**	**0**	**0**	**0**	**240,255**
with inflation	**236,742**	**57,478**	**50,440**	**49,228**	**112**	**112**	**237**	**0**	**394,372**

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
26174051-Llagas Ck—Upper, LERRDs (E6)	50,110	0	480	42	22	0	0	0	0	50,174
26174052-Llagas Ck—Upper, USACE Coordination (E6)	170,056	2,636	8,698	0	0	0	0	0	0	172,692
26174053-Llagas Ck—Upper, Technical Studies	1,446	0	0	0	0	0	0	0	0	1,446
26174054-Llagas Ck—Upper, Design (E6)	28,193	0	5,042	0	0	0	0	0	0	28,193
26174055-Llagas Ck—Upper, Phase 2B Construction (E6)	22,400	56,000	22,378	26,547	48,660	112	112	237	0	154,069
TOTAL	**272,204**	**58,636**	**36,598**	**26,589**	**48,682**	**112**	**112**	**237**	**0**	**406,573**

Adjusted Budget includes adopted budget plus approved budget adjustments. Funding exceeds planned expenditures by approximately $12.201 million. Excess funds will be returned to Fund Reserves at the close of the project.

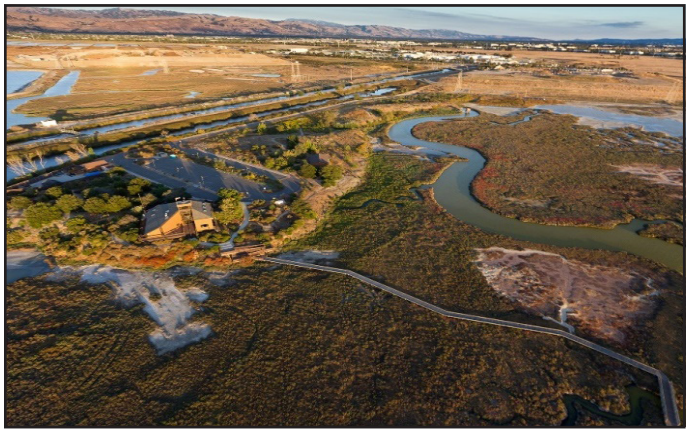
FUNDING SOURCES

(in thousands $)

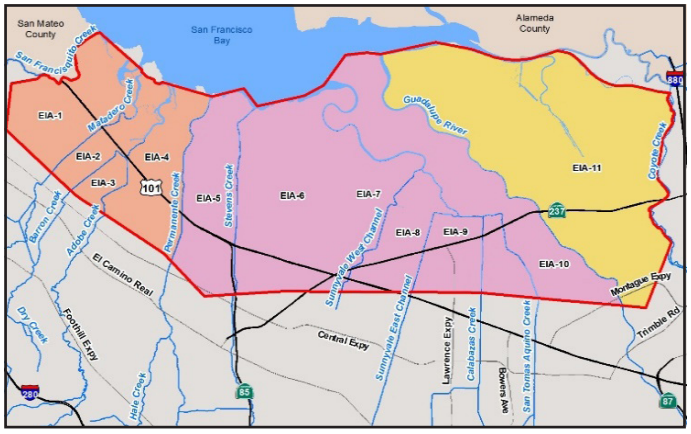
SCVWD Clean, Safe Creeks and Natural Flood Protection Fund	17,900
SCVWD Safe, Clean Water Fund	222,647
SCVWD Watershed Stream Stewardship Fund	23,690
State of California	38,167
City of Morgan Hill	11,968
NRCS Grants	80,000
Total	**394,372**
USACE In-kind Services	65,000

Multiple Watersheds

PROJECT	San Francisco Bay Shoreline (E7)		
PROGRAM	Flood Protection - Multiple Watersheds	**CONTACT**	Bhavani Yerrapotu
PROJECT NO.	00044026s		byerrapotu@valleywater.org



Restoration of tidal marshland in the San Francisco Bay



Location Map

PROJECT DESCRIPTION

The Shoreline Project area is divided into eleven economic impact area's (EIAs) and will be completed in phases.

- Phase I is comprised of EIA 11, which includes the shoreline area between Coyote Creek and Guadalupe River in San José; Under the 2012 Safe, Clean Water (SCW) Program, $15,000,000 was provided toward Valley Water's cost-share of the design and partial construction efforts
- Phase II is comprised of EIAs 1, 2, 3, and 4, which includes the shoreline area between San Francisquito Creek in Palo Alto to Permanente Creek in Mountain View; Under the renewed SCW Program, approximately $25,000,000 will be provided toward Valley Water's cost-share of the planning, design and construction phase efforts
- Phase III is comprised of EIAs 5, 6, 7, 8, 9, and 10, which includes the shoreline area between Permanente Creek in Mountain View and Guadalupe River in San José; Under the renewed SCW Program, approximately $12,000,000 will be provided toward Valley Water's cost-share of the planning and design phase efforts for EIAs 5-9. Funding for EIA 10 is yet to be determined

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 to 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
- 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 is accounted for in the following:

- 62044042 – Shoreline, Early Implementation – Completed
- 00044026 – San Francisco Bay Shoreline (Phase I)
- 26444001 – EIA 11, Design and Partial Construction (E7), Phase I – Completed
- 26444002 – EIAs 1-4 (E7), Phase II
- 26444004 – EIAs 5-9 (E7), Phase III

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.

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 50+ Years

SCHEDULE & STATUS

July 2005 to June 2032

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	32,498											
Permits	915											
Design	34,739											
Construct	161,493											
Closeout	149											
	230,794	Total project cost may include expenditures not yet allocated to a specific phase.										

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
00044026-San Francisco Bay Shoreline	97,155	4,204	4,770	4,635	78,990	810	890	999	192,453
with inflation	97,155	4,204	4,770	5,062	90,141	966	1,109	1,310	204,716
10044027 - San Francisco Bay Shoreline - Contribution	490	0	0	0	0	0	0	0	490
with inflation	490	0	0	0	0	0	0	0	490
62044042-Shoreline, Early Implementation	359	0	0	0	0	0	0	0	359
with inflation	359	0	0	0	0	0	0	0	359
26444001-EIA 11, Design & Partial Construction (E7) (2012 SCW Program)	17,516	0	0	0	0	0	0	0	17,516
with inflation	17,516	0	0	0	0	0	0	0	17,516
26444002-EIAs 1-4 (E7)	5,660	50	53	0	0	0	0	0	5,763
with inflation	5,660	50	53	0	0	0	0	0	5,763
26444004-EIAs 5-9 (E7)	1,981	1,460	2,163	2,860	2,575	1,810	910	454	14,213
with inflation	1,981	1,460	2,163	3,123	2,939	2,158	1,134	591	15,549
TOTAL	**123,161**	**5,714**	**6,986**	**7,495**	**81,565**	**2,620**	**1,800**	**1,453**	**230,794**
with inflation	**123,161**	**5,714**	**6,986**	**8,185**	**93,079**	**3,124**	**2,243**	**1,901**	**244,394**

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
00044026-San Francisco Bay Shoreline	101,306	53	-0	4,770	5,062	90,141	966	1,109	1,310	204,716
10044027 - San Francisco Bay Shoreline - Contribution	490	0	0	0	0	0	0	0	0	490
62044042-Shoreline, Early Implementation	359	0	0	0	0	0	0	0	0	359
26444001-EIA 11, Design & Partial Construction (E7) (2012 SCW Program)	17,516	0	0	0	0	0	0	0	0	17,516
26444002-EIAs 1-4 (E7)	10,113	1,025	5,428	0	0	0	0	0	0	11,139
26444004-EIAs 5-9 (E7)	3,135	1,065	759	1,404	3,123	2,939	2,158	1,134	591	15,549
TOTAL	**132,920**	**2,143**	**6,188**	**6,174**	**8,185**	**93,079**	**3,124**	**2,243**	**1,901**	**249,769**

Adjusted Budget includes adopted budget plus approved budget adjustments. Funding exceeds planned expenditures by approximately $5.375 million in Project 26444002. Project 00044026 had a project cost increase of ~$87 million, which resulted in a funding shortfall for FY28–32. The Board has directed staff to address this funding shortfall in next year's CIP Development Cycle.

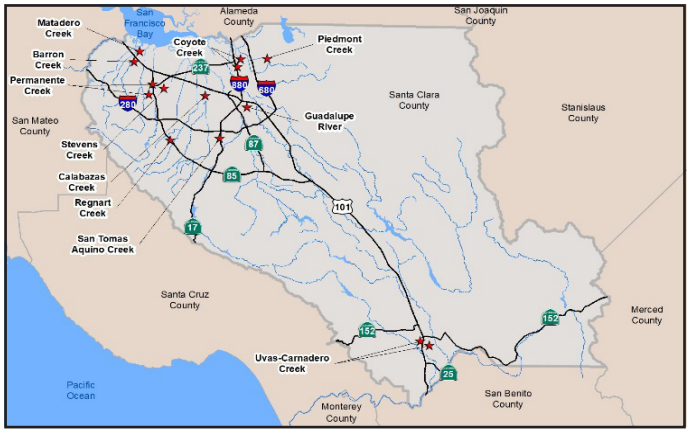
FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	122,964
SCVWD Clean, Safe Creeks and Natural Flood Protection Fund (Environmental Enhancement Grant)	2,011
SCVWD Safe, Clean Water and Natural Flood Protection Fund	38,829
California Department of Water Resources	420
SFBRA Measure AA (Grant)	61,513
SFBRA Measure AA (Ballot Reimbursement)	831
State of California	8,000
State Coastal Conservancy (Reaches 1-3)	7,773
State Coastal Conservancy (Reaches 4-5)	7,428
Total	**249,769**
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**

PROJECT	Watersheds Asset Rehabilitation Program (WARP)		
PROGRAM	Flood Protection - Multiple Watersheds	**CONTACT**	Bhavani Yerrapotu
PROJECT NO.	62084001		byerrapotu@valleywater.org

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



Location Map

★ Project Location

PROJECT DESCRIPTION

This project provides resources for the restoration of capital investments to preserve or extend the life of assets within watersheds. This will repair or rehabilitate various features within watersheds to ensure facilities are functioning as intended, ensuring design level of flood protection, removal of impediments to fish passage and geomorphic stability of creeks and waterways to minimize sediment loading and creek erosion. To streamline the implementation process, most of the projects are planned to be executed using Valley Water's current Stream Maintenance Program's approved regulatory permits.

The repair work consists of, but is not limited to:

- Creek erosion repair using rock riprap and steel piles
- Remediation of eroded earthen slopes using natural alternative treatments, where possible
- Levee rehabilitation impacted by animal intrusion and soil degradation
- Rehabilitation of fish passage facilities
- Geomorphic channel restoration with bed and bank repair
- Storm outfall restoration and repair
- Minor concrete repair to restore stream function of existing concrete channels
- Board-approved Emergency Repairs

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: Not Applicable

SCHEDULE & STATUS

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

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	5,443											
Permits	9,385											
Design	20,235											
Construct	136,906											
Closeout	590											
	232,990	Total project cost may include expenditures not yet allocated to a specific phase.										

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
62084001-Watersheds Asset Rehabilitation Program (WARP)	63,174	19,679	16,560	8,100	8,100	8,100	8,100	101,178	232,990
with inflation	63,174	19,679	16,560	8,941	9,443	9,939	10,424	170,420	308,579
Actuals include project expenditures and encumbrances.									

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
62084001-Watersheds Asset Rehabilitation Program (WARP)	63,173	19,679	0	16,560	8,941	9,443	9,939	10,424	170,420	308,579
Adjusted Budget includes adopted budget plus approved budget adjustments.										

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	308,579
City of Palo Alto (Matadero Creek)	456
Total	**308,579**

Water Resources Stewardship

Water Resources Stewardship Capital Improvements

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 capital and non-capital stewardship outcomes and accomplishments since 2000 are listed below.

Capital

- Installed 339 cubic yards of salmonid spawning gravels in the Upper Guadalupe River to improve habitat for steelhead
- Improved fish passage to over 20 miles of designated critical habitat for steelhead in Uvas Creek and over 16 miles of critical habitat for steelhead in Coyote Creek

Non-Capital

- Recovered over three acres of Valley Water creek lands from illegal encroachment, per the Water Resources Protection Ordinance
- Installed 979 cubic yards of salmonid spawning gravels and 22,206 sq ft of instream complexity structures to improve habitat for steelhead
- Conducted two fish passage barrier remediation projects in the past 3 years which improved fish passage to over 20 miles of designated critical habitat for steelhead in Uvas Creek and over 16 miles of critical habitat for the steelhead in Coyote Creek
- Managed nearly 3,600 acres, with conservation partners, of upper watershed land in Santa Clara County that was acquired and preserved as a part of the Stream and Watershed Protection Program
- Contributed $4 million towards the acquisition of the approximately 3,653-acre Richmond Ranch property, which will be enrolled into the Santa Clara Valley Habitat Plan's Reserve System
- Removed over 53,000 cubic yards of trash and debris from waterways from FY 2019-24

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 unless repealed by voters or if 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 Development 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.

Water Resources Stewardship Capital Improvements

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)
- SCW Regnart Creek Rehabilitation (F8)
- Coyote Percolation Dam - Phase 2
- Ogier Ponds Separation from Coyote Creek (D4.2)
- Bolsa Road Fish Passage Improvement (D6.2)
- Calabazas/San Tomas Aquino Creek-Marsh Connection (formerly named Salt Ponds A5-11 Restoration)
- Pond A4 Resiliant Habitat Restoration Project
- Safe, Clean Water Program Fish Passage Improvements (D4.3)
- Safe, Clean Water Program D4.3 Fish Passage Improvements (Moffett)
- Coyote 10B Freshwater Wetlands

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.

CIP DEVELOPMENT PROCESS AND FINANCIAL ANALYSIS

The annual CIP Development 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 CIP Draft Five-Year Plan in March.

The Board then authorizes the release of the CIP Draft Five-Year Plan to the public and local municipalities for review, conducts a public hearing, and approves the resolution to adopt the CIP Final Five-Year Plan 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 CIP Draft FY 2026-30 Five-Year Plan has been approved by the Board.

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

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

Significant Project Updates from the Prior Year

Updates to capital project plans are considered to be significant if total project costs (TPC) increase or decrease by more than $1 million (inflated), project completion is extended beyond one year, or if there are any changes to project scope. Listed below are the changes to projects from the CIP Adopted FY 2025-29 Five-Year Plan:

Capital Improvement Project Updates

- The Coyote Percolation Dam - Phase 2 Project decreased in cost by $12.24 million due to the Project scope no longer including the repair of the breach into Coyote 10B to restore flows to the Coyote Creek Channel or reduction of potential predation to salmonid smolts in Coyote 10B. The schedule has been revised to align with the reduced scope, the construction schedule has been condensed from five years to one year.
- The Ogier Ponds Separation from Coyote Creek (D4.2) Project increased in cost by $520 thousand due to the delayed Project schedule for coordination with the Anderson Dam Seismic Retrofit Project. The schedule may require a potential redesign (if project conditions

Water Resources Stewardship Capital Improvements

change) following the estimated 39-month pause needed to coordinate with the ADSRP construction schedule. This sequencing is important because the ADSRP bypass/tunnel upstream of the Ogier Ponds will result in higher flows that could potentially necessitate a redesign of the project. Depending on the selected alternative for this project, significant cost savings could be realized by accumulating and stockpiling earth fill materials over several years prior to construction.

- The Pond A4 Resilient Habitat Restoration Project increased in cost by $5.74 million due to the delay in permit application submittal and design completion. The permit application submittal and design completion have been delayed to incorporate an approach that maximizes the beneficial reuse of Stream Maintenance Program (SMP) sediment, aiming to reduce costs for habitat bench construction. The extended permitting and design process are intended to provide maximum flexibility, minimizing the need for imported fill while maximizing the reuse of SMP material for habitat bench construction during Phase 2. Phase 1 of the project previously included just the construction of the access road and staging area. However, mitigation related to road construction is required and needs to be part of Phase 1. The overall schedule has been extended by two years to include the time needed to complete the portion of the habitat bench that will be required for mitigation.

Water Resources Stewardship Capital Improvements

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 2024-25.

Water Resources Stewardship Funding Schedule ($K)

Project Number	PROJECT NAME	Through FY24	FY25*	FY25 Unspent	FY26	FY27	FY28	FY29	FY30	FY31-40	TOTAL
	ENVIRONMENTAL ENHANCEMENT & STEWARDSHIP										
	Lower Peninsula Watershed										
00294001s	Stevens Creek Fish Passage Enhancement	850	-	-	-	2,124	6,265	3,515	3,534	2,227	18,516
26164001	Hale Creek Enhancement Pilot Project (D6.1)	12,357	-	77	38	-	-	-	-	-	12,395
	West Valley Watershed										
26044056	SCW Regnart Creek Rehabilitation Project (F8)	-	696	696	31	7,812	362	-	-	-	8,901
	Coyote Watershed										
91864011	Coyote Percolation Dam - Phase 2	-	-	-	4,383	3,337	-	-	-	-	7,720
26044003	Ogier Ponds Separation from Coyote Creek (D4.2)	3,992	1,056	685	-	-	-	4	1,059	745	6,855
26C44006	Ogier Ponds Construction	-	-	-	-	-	-	-	-	6,979	6,979
95C40401	Ogier Ponds Construction (e.g. Ogier Ponds)	-	-	-	-	-	-	-	-	26,308	26,308
	Uvas/Llagas Watershed										
26044004	Bolsa Road Fish Passage Improvement (D6.2)	9,036	25	-	27	70	-	-	-	-	9,158
	Multiple Watersheds										
20444001s	Calabazas/San Tomas Aquino Creek-Marsh Connection	10,720	1,669	-	1,654	1,634	-	-	-	-	15,678
20444002	Pond A4 Resiliant Habitat Restoration Project	4,725	967	3,629	-	577	411	434	455	3,861	11,430
26044002	SCW Fish Passage Improvements (D4.3)	5,524	-	118	-	-	-	-	-	-	5,524
26044005	SCW D4.3 Fish Passage Improvements (Moffett)	666	1,514	1,537	-	6,992	298	-	-	-	9,470
40214023	Coyote 10B Freshwater Wetlands	-	2,236	1,699	-	606	2,197	4,270	-	-	9,309
	TOTAL	47,869	8,163	8,441	6,134	23,152	9,533	8,223	5,048	40,120	148,242

*FY 2025 Adjusted Budget includes adopted budget plus budget adjustments

FY 2024-25 Funds to be reappropriated

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

Water Resources Stewardship - Funding Sources ($K)

Fund Number	FUND NAME	Through FY24	FY25	FY25 Unspent	FY26	FY27	FY28	FY29	FY30	FY31-40	TOTAL
61	Water Utility Enterprise Fund	765	-	-	4,383	4,819	2,675	38	-	26,308	38,988
12	Watershed Stream Stewardship Fund	15,222	4,872	5,328	1,654	3,459	6,198	8,181	3,989	6,088	49,664
26	Safe, Clean Water and Natural Flood Protection Fund	31,883	3,291	3,113	96	14,874	660	4	1,059	7,724	59,590
	TOTAL	47,869	8,163	8,441	6,134	23,152	9,533	8,223	5,048	40,120	148,242

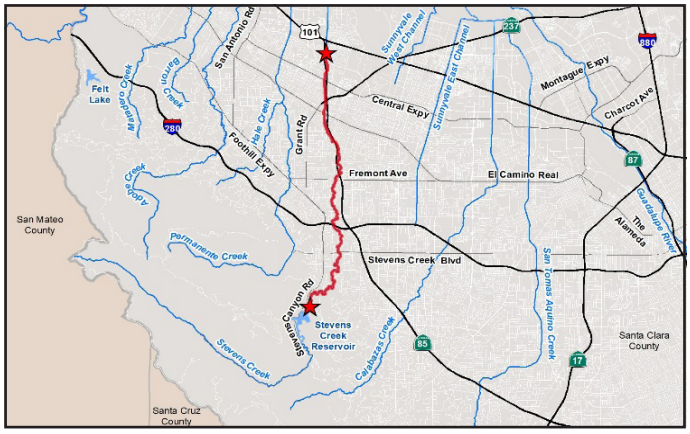
FY 2024-25 Funds to be reappropriated

Environmental Enhancement & Stewardship

Lower Peninsula Watershed

PROJECT	Stevens Creek Fish Passage Enhancements		
PROGRAM	Water Resources Stewardship - Lower Peninsula Watershed	**CONTACT**	John Bourgeois
PROJECT NO.	00294001s		jbourgeois@valleywater.org

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



Location Map

Project Location
Project Location

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 – Completed
- 00C40145 – FAHCE Fish Passage and Habitat Improvements
- 00C40198 – Stevens Creek Dam Multi-Port Outlet
- 62C40403 – FAHCE Stevens Creek Fish Passage Construction

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 50 Years

SCHEDULE & STATUS

July 2008 to June 2031

Planning phase is complete and project is currently on hold. Refinement of phase schedule will be defined at the begining of the design phase.

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	850											
Permits	50											
Design	2,545											
Construct	11,873											
Closeout	58											
	15,376	Total project cost may include expenditures not yet allocated to a specific phase.										

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
00294001-FAHCE Stevens Ck Fish Passage Planning	850	0	0	0	0	0	0	0	850
with inflation	850	0	0	0	0	0	0	0	850
00C40145-FAHCE Fish Passage and Habitat Improvements	0	0	0	1,201	1,520	0	0	0	2,720
with inflation	0	0	0	1,311	1,784	0	0	0	3,096
00C40198-FAHCE Stevens Ck Dam Multi-Port Outlet	0	0	0	308	1,013	35	0	0	1,356
with inflation	0	0	0	337	1,189	42	0	0	1,567
62C40403-FAHCE Stevens Creek Fish Passage Construction	0	0	0	436	2,818	2,819	2,734	1,643	10,449
with inflation	0	0	0	476	3,292	3,473	3,534	2,227	13,003
TOTAL	**850**	**0**	**0**	**1,945**	**5,351**	**2,854**	**2,734**	**1,643**	**15,376**
with inflation	**850**	**0**	**0**	**2,124**	**6,265**	**3,515**	**3,534**	**2,227**	**18,516**
Actuals include project expenditures and encumbrances.									

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
00294001-FAHCE Stevens Ck Fish Passage Planning	850	0	0	0	0	0	0	0	0	850
00C40145-FAHCE Fish Passage and Habitat Improvements	0	0	0	0	1,311	1,784	0	0	0	3,096
00C40198-FAHCE Stevens Ck Dam Multi-Port Outlet	0	0	0	0	337	1,189	42	0	0	1,567
62C40403-FAHCE Stevens Creek Fish Passage Construction	0	0	0	0	476	3,292	3,473	3,534	2,227	13,003
TOTAL	**850**	**0**	**0**	**0**	**2,124**	**6,265**	**3,515**	**3,534**	**2,227**	**18,516**
Adjusted Budget includes adopted budget plus approved budget adjustments.										

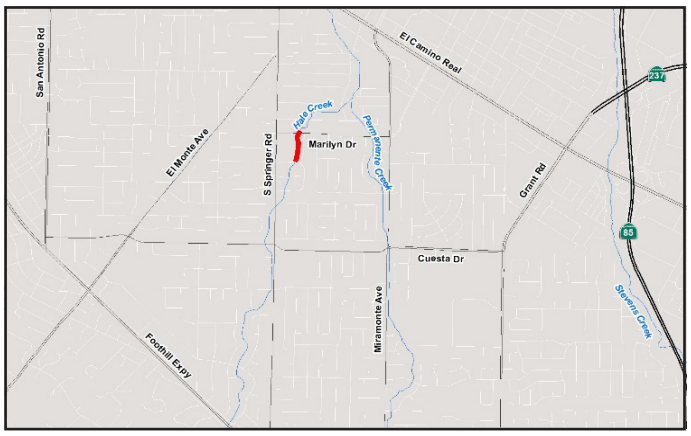
FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	13,554
SCVWD Water Utility Enterprise Fund	4,961
Total	**18,516**

PROJECT	Hale Creek Enhancement Pilot Study (D6.1)		
PROGRAM	Water Resources Stewardship – Lower Peninsula Watershed	**CONTACT**	Bhavani Yerrapotu
PROJECT NO.	26164001		byerrapotu@valleywater.org

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



Location Map

Project Location

PROJECT DESCRIPTION

This pilot study 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 D6.1. For a full description of the SCW benefits and KPIs, please visit www.valleywater.org.

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 50 years

SCHEDULE & STATUS

July 2014 to June 2026

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	39											
Permits	192											
Design	3,453											
Construct	8,648											
Closeout	50											
	12,395	Total project cost may include expenditures not yet allocated to a specific phase.										

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
26164001-Hale Creek Enhancement Pilot Study (D6.1)	11,717	563	115	0	0	0	0	0	12,395
with inflation	11,717	563	115	0	0	0	0	0	12,395
Actuals include project expenditures and encumbrances.									

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
26164001-Hale Creek Enhancement Pilot Study (D6.1)	12,357	0	77	38	0	0	0	0	0	12,395
Adjusted Budget includes adopted budget plus approved budget adjustments.										

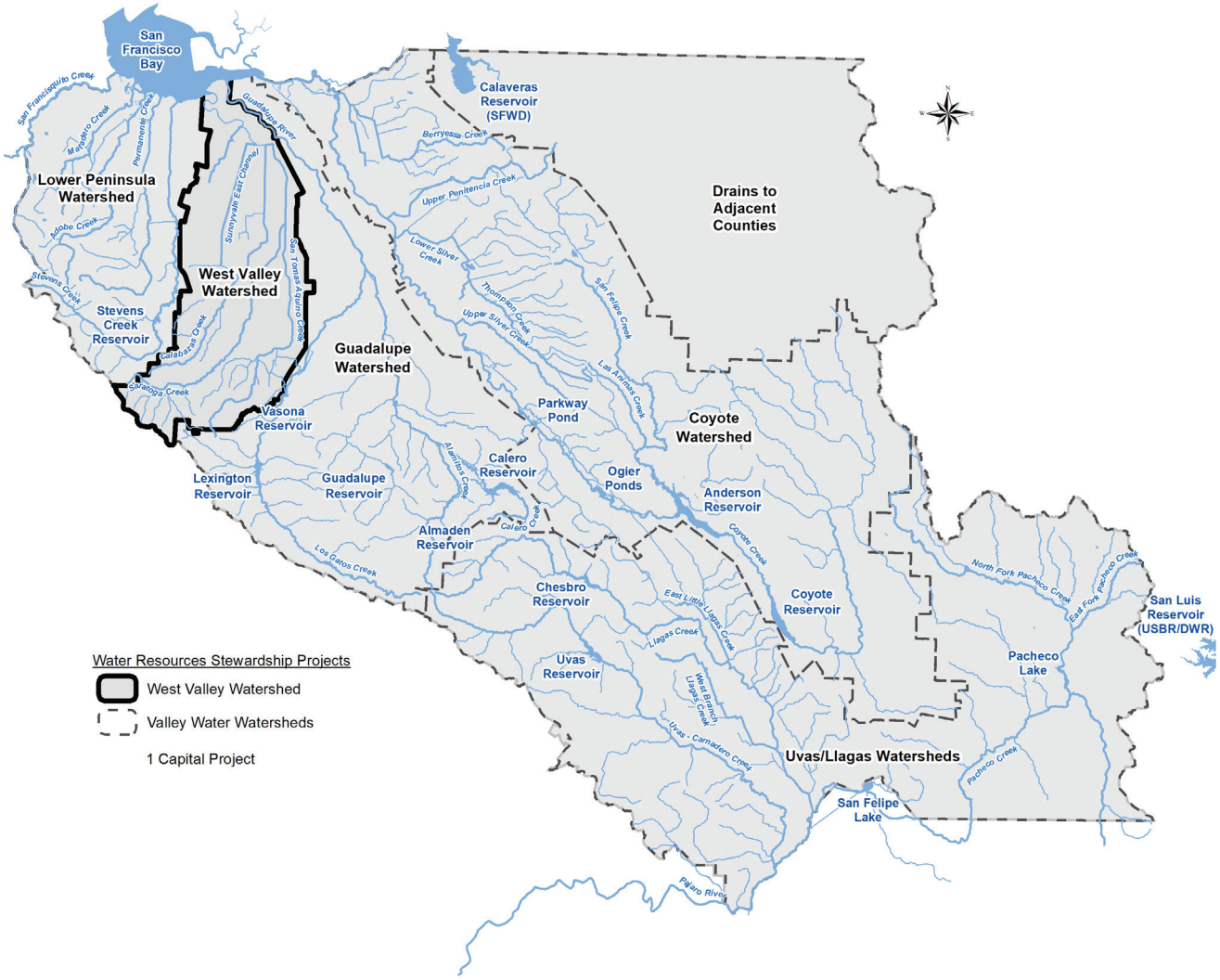
FUNDING SOURCES

(in thousands $)

SCVWD Safe, Clean Water Fund	12,395
Other Funding Sources	0
Total	**12,395**

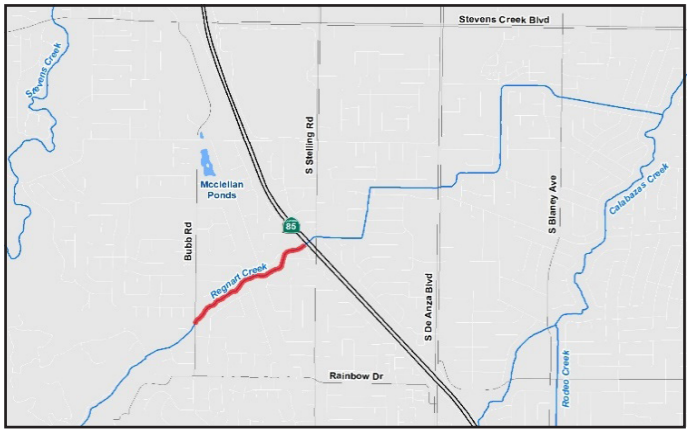
Environmental Enhancement & Stewardship

West Valley Watershed



PROJECT	SCW Regnart Creek Rehabilitation (F8)		
PROGRAM	Water Resources Stewardship - West Valley Watershed	**CONTACT**	Bhavani Yerrapotu
PROJECT NO.	26044056		byerrapotu@valleywater.org

Bed erosion downstream of Bubb Road



Location Map

PROJECT DESCRIPTION

This project will implement the renewed Safe, Clean Water (SCW) objectives for Project F8: Sustainable Creek Infrastructure for Continued Public Safety. Various evaluations provided by the Watersheds Operations and Maintenance (O&M) Engineering Support and Asset Management Units highlighted high risk of erosion-related failures in Regnart Creek from Bubb Road to Festival Drive. Subsequently, Valley Water completed the Regnart Creek Rehabilitation Design Study to develop a holistic and sustainable design addressing the root causes of erosion and channel incision. Winter storms in 2023 exacerbated conditions, leading to an emergency repair project that was completed in September 2023. While the emergency repair project was effective, it was limited in scope.

Regnart Creek is a waterway flowing from the Santa Cruz Mountains through residential areas in the City of Cupertino to Calabazas Creek near Miller Avenue. The proposed rehabilitation project will address the erosion along the banks and bed in this natural section of Regnart Creek.

To provide a long-term solution, the project objectives are as follows:

- Repair the severely incised banks and bed within this reach to stable condition
- Apply geomorphic principles within the design repair to establish an channel equilibrium reduce future erosion from occurring, operations and maintenance costs, and overall risk to Valley Water and adjacent property owners

This project meets the commitments of the voter-approved Safe, Clean Water Program (SCW), Project F8. For a full description of the SCW benefits and KPIs, please visit www.valleywater.org.

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 50+ years

SCHEDULE & STATUS

July 2025 to June 2028

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	-											
Permits	60											
Design	667											
Construct	7,365											
Closeout	20											
	8,111	Total project cost may include expenditures not yet allocated to a specific phase.										

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
26044056-SCW Regnart Creek Rehabilitation (F8)	0	0	727	7,068	317	0	0	0	8,111
with inflation	0	0	727	7,812	362	0	0	0	8,901
Actuals include project expenditures and encumbrances.									

FUNDING SCHEDULE

(in thousands $)

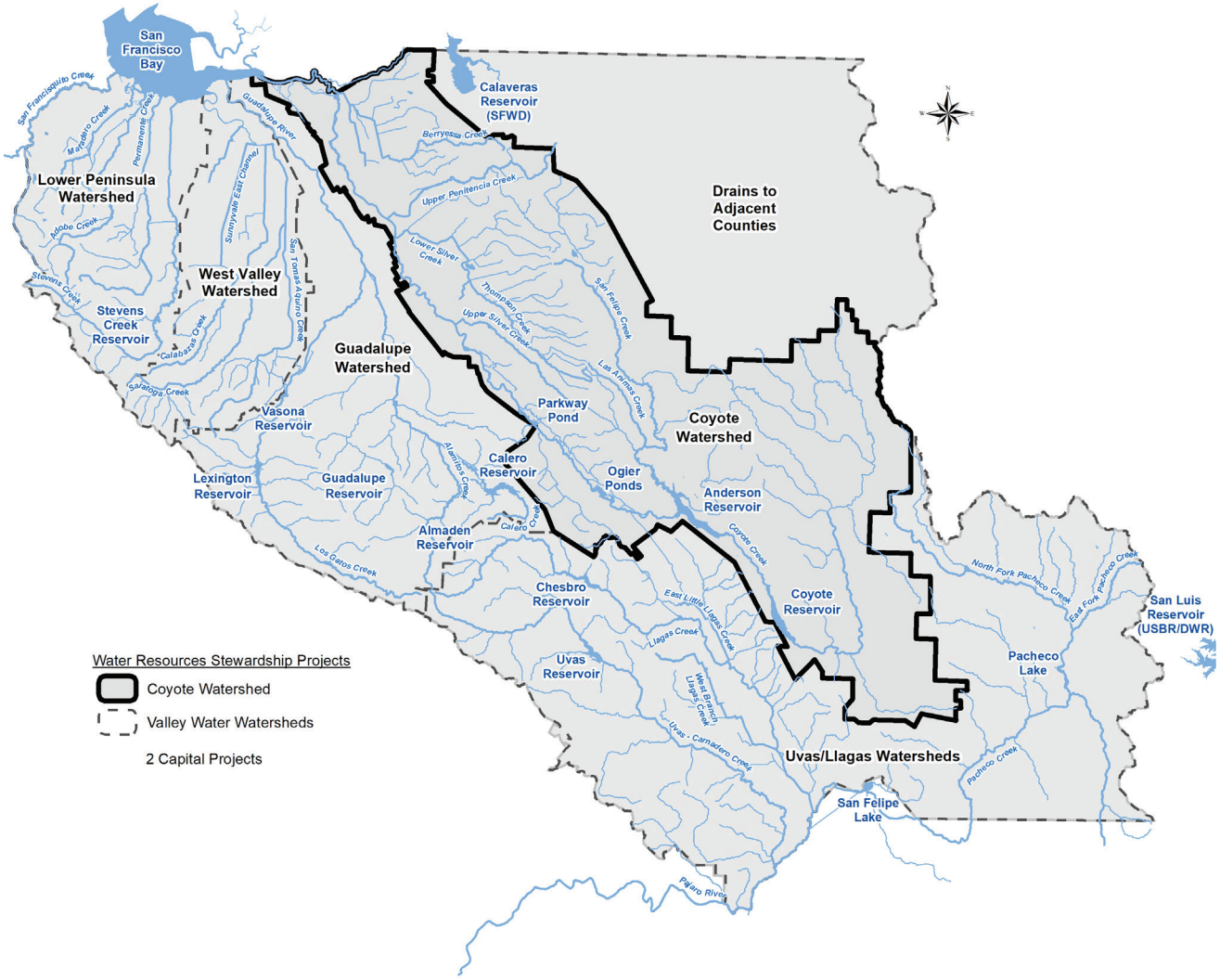
	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
26044056-SCW Regnart Creek Rehabilitation (F8)	0	696	696	31	7,812	362	0	0	0	8,901
Adjusted Budget includes adopted budget plus approved budget adjustments.										

FUNDING SOURCES

SCVWD Safe, Clean Water Fund	7,500
SCVWD Watershed Stream Stewardship Fund	1,401
Total	**8,901**

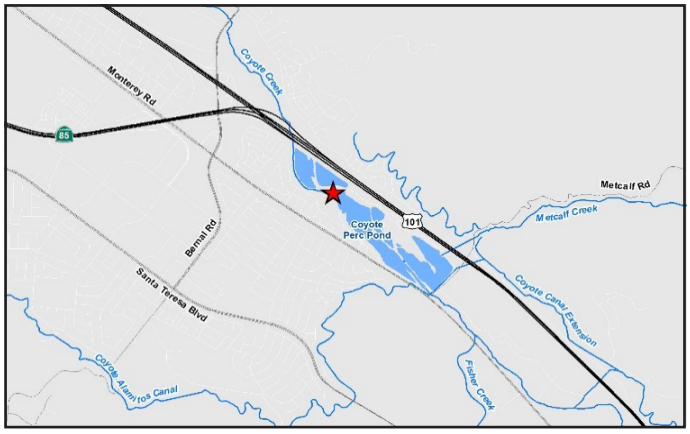
Environmental Enhancement & Stewardship

Coyote Watershed



PROJECT	Coyote Percolation Dam - Phase 2		
PROGRAM	Water Resources Stewardship - Coyote Watershed	**CONTACT**	Ryan McCarter
PROJECT NO.	91864011		rmccarter@valleywater.org

Phase 1 of the Coyote Percolation Dam has been completed, and the image shows the newly installed inflated bladder dam



Location Map

★ Project Location

PROJECT DESCRIPTION

This project provides for future construction of possible habitat enhancements that may occur at Coyote Percolation Pond Dam. Construction of fish passage enhancements at this facility meet California Department of Fish and Wildlife (CDFW) and National Marine Fisheries Service (NMFS) passage criteria that are a regulatory requirement per the Anderson Dam Seismic subprojects as issued by the Federal Energy Regulatory Commission (FERC).

This project will accomplish the following objectives:

- Enhancement of fish passages for adult salmonids migrating upstream to spawn in Coyote Creek
- Enhancement of fish passages for juvenile salmonids (smolts) migrating downstream in Coyote Creek
- Enhancement of passages for Pacific Lampreys
- Restoration of flows to historic Coyote Creek channel by repairing breach into Coyote 10B that occurred in 2017
- Reduction of potential predation of salmonid smolts in Coyote 10B

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 50 Years

SCHEDULE & STATUS

January 2026 to February 2027

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	-											
Permits	-											
Design	-											
Construct	7,506											
Closeout	10											
	7,516	Total project cost may include expenditures not yet allocated to a specific phase.										

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
91864011 - Coyote Percolation Dam - Phase 2	0	0	4,383	3,133	0	0	0	0	7,516
with inflation	0	0	4,383	3,337	0	0	0	0	7,720
Actuals include project expenditures and encumbrances.									

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
91864011 - Coyote Percolation Dam - Phase 2	0	0	0	4,383	3,337	0	0	0	0	7,720
Adjusted Budget includes adopted budget plus approved budget adjustments.										

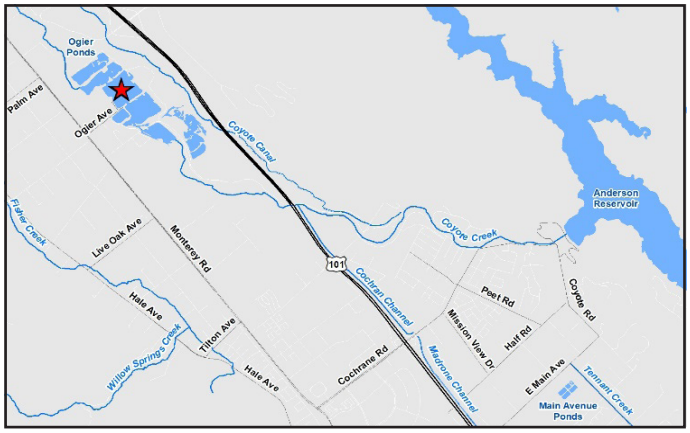
FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	7,720
Other Funding Sources	0
Total	**7,720**

PROJECT	SCW Ogier Ponds Separation from Coyote Creek (D4.2)		
PROGRAM	Water Resources Stewardship - Coyote Watershed	**CONTACT**	John Bourgeois
PROJECT NO.	26044003 / 26C44006 / 95C40401		jbourgeois@valleywater.org

Ogier Pond complex looking downstream towards San José with Coyote Creek entering in the lower right; bordered by Coyote Creek Trail on the right



Location Map

★ Project Location

PROJECT DESCRIPTION

This project plans, designs, and partially funds construction to separate Coyote Creek from Ogier Ponds.

This project will accomplish the following objectives:

- Work with County Parks to remediate the priority fish passage impediment named in the Fish and Aquatic Habitat Collaborative Effort (FAHCE) Settlement Agreement
- Separate Coyote Creek from Ogier Pond complex
- Work with County Parks to preserve existing recreational facilities and identify future opportunities

The Ogier Ponds Project has been included as a conservation measure for the Anderson Dam Seismic Retrofit Project (ADSRP). In turn, the ADSRP project plan includes an additional $50 million for Ogier Ponds construction, which when combined with the planned expenditures shown here totals approximately $120 million.

This project meets the commitments of the voter-approved Safe, Clean Water Program (SCW), Project D4.2. For a full description of the SCW benefits and KPIs, please visit www.valleywater.org.

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: Not Available

SCHEDULE & STATUS

March 2019 through June 2032

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	4,307											
Design	1,997											
Construct	23,847											
Closeout	-											
30,284	Total project cost may include expenditures not yet allocated to a specific phase.											

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
26044003-SCW Ogier Ponds Separation from Coyote Creek (D4.2)	3,642	720	472	1	1	180	850	572	6,438
with inflation	3,642	720	472	1	1	215	1,059	745	6,855
26C44006-SCW Ogier Ponds Construction	0	0	0	0	0	0	0	5,000	5,000
with inflation	0	0	0	0	0	0	0	6,979	6,979
95C40401-Ogier Ponds Construction	0	0	0	0	0	0	0	18,847	18,847
with inflation	0	0	0	0	0	0	0	26,308	26,308
TOTAL	**3,642**	**720**	**472**	**1**	**1**	**180**	**850**	**24,419**	**30,284**
with inflation	**3,642**	**720**	**472**	**1**	**1**	**215**	**1,059**	**34,032**	**40,142**

FUNDING SCHEDULE

(in thousands $)

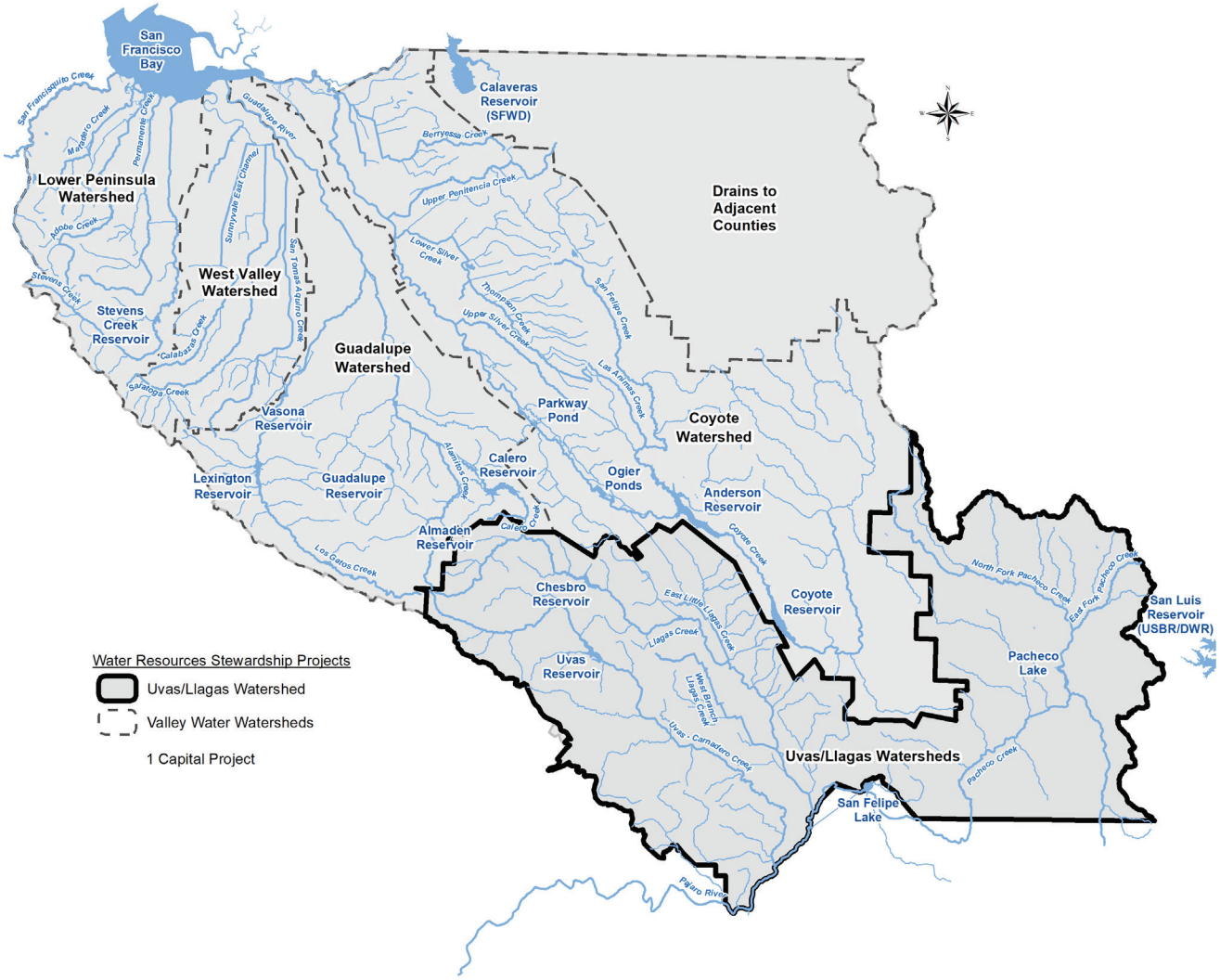
	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
26044003-SCW Ogier Ponds Separation from Coyote Creek (D4.2)	3,992	1,056	685	0	0	0	4	1,059	745	6,855
26C44006-SCW Ogier Ponds Construction	0	0	0	0	0	0	0	0	6,979	6,979
95C40401-Ogier Ponds Construction	0	0	0	0	0	0	0	0	26,308	26,308
TOTAL	**3,992**	**1,056**	**685**	**0**	**0**	**0**	**4**	**1,059**	**34,032**	**40,142**
Adjusted Budget includes adopted budget plus approved budget adjustments.										

FUNDING SOURCES

SCVWD Safe, Clean Water Fund	13,834
SCVWD Water Utility Enterprise Fund	26,308
Other Funding Sources	0
Total	**40,142**

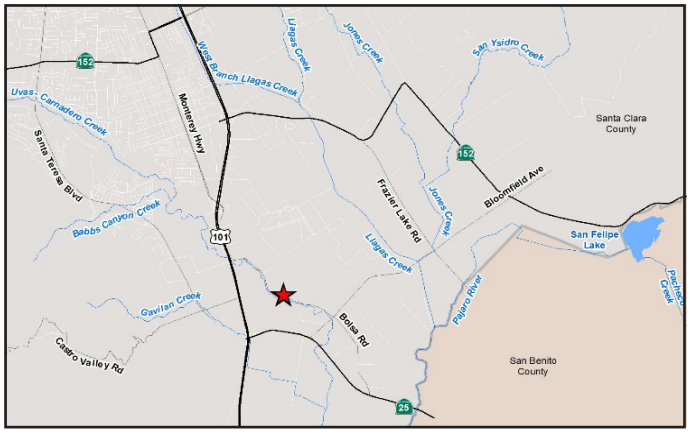
Environmental Enhancement & Stewardship

Uvas/Llagas Watershed



PROJECT	Bolsa Road Fish Passage Improvements (D6.2)		
PROGRAM	Water Resources Stewardship - Uvas/Llagas Watershed	**CONTACT**	Bhavani Yerrapotu
PROJECT NO.	26044004		byerrapotu@valleywater.org

Removal of the Bolsa Road fish barrier allows fish to travel upstream



Location Map

★ Project Location

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
- Placement of a riffle pool system extending approximately 1,700 feet downstream of the Union Pacific Railroad (UPRR) bridge will include geomorphic design features to restore bank stability and improve stream function
- Provision of maintenance access for the geomorphic design features, restored banks, and vegetation of Uvas-Carnadero Creek downstream of the UPRR crossing

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.

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 50 Years

SCHEDULE & STATUS

July 2021 to June 2027

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	-											
Permits	229											
Design	614											
Construct	8,210											
Closeout	50											
	9,153	Total project cost may include expenditures not yet allocated to a specific phase.										

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
26044004-Bolsa Road Fish Passage Improvements (D6.2)	8,886	176	27	64	0	0	0	0	9,153
with inflation	8,886	176	27	70	0	0	0	0	9,158
Actuals include project expenditures and encumbrances.									

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
26044004-Bolsa Road Fish Passage Improvements (D6.2)	9,036	25	0	27	70	0	0	0	0	9,158
Adjusted Budget includes adopted budget plus approved budget adjustments.										

FUNDING SOURCES

(in thousands $)

SCVWD Safe, Clean Water Fund	9,158
Other Funding Sources	0
Total	**9,158**

Environmental Enhancement & Stewardship

Multiple Watersheds

PROJECT	Calabazas/San Tomas Aquino Creek Marsh Connection		
PROGRAM	Water Resources Stewardship - Multiple Watersheds	**CONTACT**	Lisa Bankosh
PROJECT NO.	20444001s		lbankosh@valleywater.org

View of the former salt evaporation facilities near Alviso

Location Map

PROJECT DESCRIPTION

This project (formerly named Salt Ponds A5-11 Restoration) plans and designs improvements to the South Bay Salt Ponds to accomplish the following objectives:

- Connect Calabazas and San Tomas Creeks directly to Pond A8
- Reduce creek maintenance of lower reaches of Calabazas and San Tomas Creeks
- Provide resilient flood protection against sea-level rise
- Improve recreational and public access opportunities
- Support South Bay Salt Pond Restoration efforts

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 50+ Years

SCHEDULE & STATUS

July 2021 to June 2027

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	10,527											
Permits	2,463											
Design	2,352											
Construct	76											
Closeout	122											
	15,540	Total project cost may include expenditures not yet allocated to a specific phase.										

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
20444001-Calabazas/San Tomas Aquino Creek Marsh Connection	10,491	1,591	1,654	1,497	0	0	0	0	15,232
with inflation	10,491	1,591	1,654	1,634	0	0	0	0	15,370
26444003-South Salt Ponds Restoration	308	0	0	0	0	0	0	0	308
with inflation	308	0	0	0	0	0	0	0	308
TOTAL	**10,799**	**1,591**	**1,654**	**1,497**	**0**	**0**	**0**	**0**	**15,540**
with inflation	**10,799**	**1,591**	**1,654**	**1,634**	**0**	**0**	**0**	**0**	**15,678**
Actuals include project expenditures and encumbrances.									

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
20444001-Calabazas/San Tomas Aquino Creek Marsh Connection	10,412	1,669	0	1,654	1,634	0	0	0	0	15,370
26444003-South Salt Ponds Restoration	308	0	0	0	0	0	0	0	0	308
TOTAL	**10,720**	**1,669**	**-0**	**1,654**	**1,634**	**0**	**0**	**0**	**0**	**15,678**
Adjusted Budget includes adopted budget plus a planned budget adjustment of $20 thousand.										

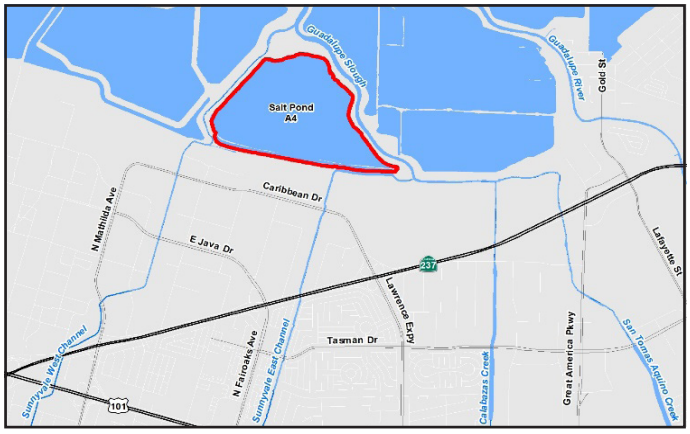
FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	11,185
SCVWD Safe, Clean Water Fund	308
SFBRA Measure AA	3,370
California Department of Fish and Wildlife (Prop 1)	500
EPA/San Francisco Bay Water Quality Improvement Fund (SFBWQIF)	315
Total	**15,678**

PROJECT	Pond A4 Resilient Habitat Restoration Project		
PROGRAM	Water Resources Stewardship - Multiple Watersheds	**CONTACT**	Lisa Bankosh
PROJECT NO.	20444002		lbankosh@valleywater.org

Improve access from Caribbean Drive in Sunnyvale to Pond A4



Location Map

Project Location

PROJECT DESCRIPTION

The Pond A4 Resilient Habitat Restoration Project (Pond A4 Project) is a multi-benefit project that will create habitat for threatened and endangered species and promote community flood resilience by constructing a 30:1 sloped ecotone at the southern boundary of Pond A4, a former salt production pond acquired by Santa Clara Valley Water District (Valley Water) in 2000. The Pond A4 Project will beneficially re-use sediment removed from local creeks, as a part of Valley Water's Stream Maintenance Program (SMP), to build necessary staging areas to construct the ecotone.

The Pond A4 Project will be constructed in two phases. This CIP project only includes Phase 1 (FY24-37). Phase 1 will include planning, design, and permitting for the full project; construction of the maintenance road necessary for access and staging areas; and adding initial sediment reuse deposits from local sources to Pond A4. Phase 2 (FY37-47) is currently unfunded; however, it will include sediment reuse to create the resilient habitat ecotone; and restoring nearly 40 acres of marsh, mud flat, transitional, and upland habitat. The ecotone habitat will buffer adjacent communities in Sunnyvale from storm surge and high tide wave action in the near term, and vegetated ecotone will keep pace with sea level rise thereby promoting resilient flood protection against sea level rise.

The Pond A4 Resilient Habitat Restoration Project's objectives are to accomplish the following:

- Continue beneficial re-use of sediment removed from local creeks by Valley Water's SMP at Pond A4
- Restore habitat for threatened and endangered tidal marsh species
- Provide adaptability to rising seas for these species
- Promote resilient coastal flood protection to Sunnyvale's low-lying shoreline area

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: Not Available

SCHEDULE & STATUS

July 2023 to June 2037

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	55											
Permits	397											
Design	1,212											
Construct	7,275											
Closeout	-											
9,701	Total project cost may include expenditures not yet allocated to a specific phase.											

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
20444002-Pond A4 Resilient Habitat Restoration Project	1,163	900	3,463	675	350	350	350	2,450	9,701
with inflation	1,163	900	3,463	743	411	434	455	3,861	11,430
Actuals include project expenditures and encumbrances.									

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
20444002-Pond A4 Resilient Habitat Restoration Project	4,725	967	3,629	0	577	411	434	455	3,861	11,430
Adjusted Budget includes adopted budget plus approved budget adjustments.										

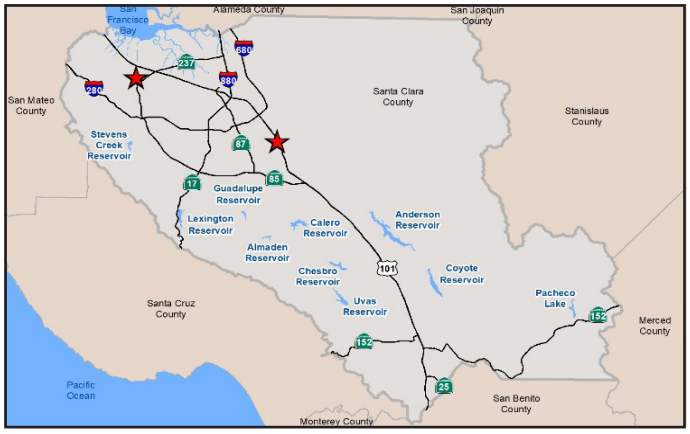
FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	11,430
Other Funding Sources	0
Total	**11,430**

PROJECT	SCW Fish Passage Improvements (D4.3)		
PROGRAM	Water Resources Stewardship - Multiple Watersheds	**CONTACT**	John Bourgeois
PROJECT NO.	26044002		jbourgeois@valleywater.org

Fish barrier across Coyote Creek at Singleton Road



Location Map ★ Project Location

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 Capitol Expressway. The project will remove the barrier and restore a free-flowing condition for migratory fish in Coyote Creek. The Evelyn Bridge Road project was completed in November 2015, removing a migratory fish passage barrier that redirects high flow events leaving the channel dry under the bridge and downstream of the fish ladder which provided nearly nine miles of creek habitat along Stevens Creek. The project also contributed funds for planning and design of the Bolsa Road Fish Passage Project. During the Design phase, the Bolsa Road Fish Passage Project was removed because the geomorphic design features identified were determined to be better aligned with Project D6 under the Safe, Clean Water Program.

The project objectives are as follows:

- 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 José 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; interim project will install a temporary flatcar bridge to meet these objectives; City of San José will continue to seek funding for the permanent bridge solution

This project is anticipated to be completed and closed by June 30, 2025.

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.

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 50 Years

SCHEDULE & STATUS

July 2016 to March 2025

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	458											
Permits	634											
Design	2,226											
Construct	1,029											
Closeout	4											
5,406	Total project cost may include expenditures not yet allocated to a specific phase.											

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
26044002-SCW Fish Passage Improvements (D4.3)	5,386	20	0	0	0	0	0	0	5,406
with inflation	5,386	20	0	0	0	0	0	0	5,406
Actuals include project expenditures and encumbrances.									

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
26044002-SCW Fish Passage Improvements (D4.3)	5,524	0	118	0	0	0	0	0	0	5,524
Adjusted Budget includes adopted budget plus approved budget adjustments. Funding exceeds planned expenditures by approximately $118 thousand. Excess funding will be returned to reserves upon project completion.										

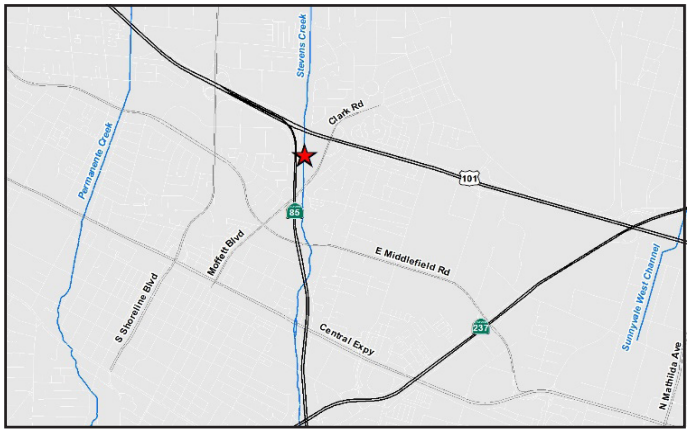
FUNDING SOURCES

(in thousands $)

SCVWD Safe, Clean Water Fund	5,524
Other Funding Sources	0
Total	**5,524**

PROJECT	SCW D4.3 Fish Passage Improvements (Moffett)		
PROGRAM	Water Resources Stewardship - Multiple Watersheds	**CONTACT**	John Bourgeois
PROJECT NO.	26044005		jbourgeois@valleywater.org

Restore populations of native fish species, such as steelhead trout by removing impediments to the passage of fish for spawning



Location Map

★ Project Location

PROJECT DESCRIPTION

The project will implement the renewed Safe, Clean Water (SCW) objectives for Project D4.3 Fish Habitat and Passage Improvement projects that remove barriers to fish passage. The project objectives are as follows:

- Planning and Design for removal of a fish passage impediment at Moffett Fish Ladder on Stevens Creek
- Improve habitat and passage for steelhead and other native fish of Santa Clara County

The Moffett fish ladder is classified as a priority barrier that is owned by Valley Water in the Fish and Aquatic Habitat Collaborative Effort (FAHCE).

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.

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: Not Available

SCHEDULE & STATUS

July 2024 to March 2028

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	1,055											
Design	2,852											
Construct	4,837											
Closeout	10											
	8,763	Total project cost may include expenditures not yet allocated to a specific phase.										

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
26044005-SCW D4.3 Fish Passage Improvements (Moffett)	52	591	1,349	6,510	261	0	0	0	8,763
with inflation	52	591	1,349	7,180	298	0	0	0	9,470
Actuals include project expenditures and encumbrances.									

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
26044005-SCW D4.3 Fish Passage Improvements (Moffett)	666	1,514	1,537	0	6,992	298	0	0	0	9,470
Adjusted Budget includes adopted budget plus any budget adjustments.										

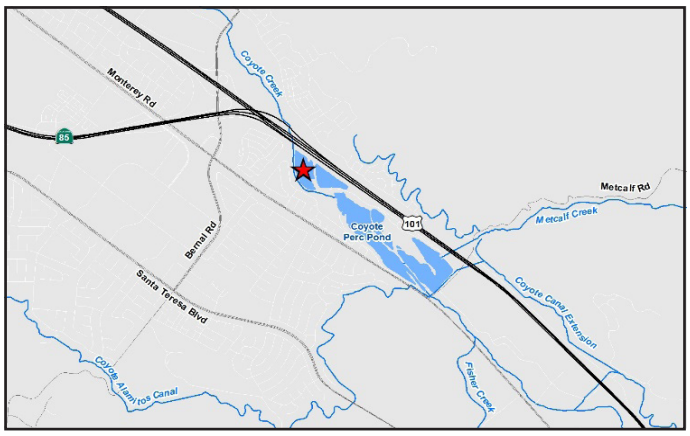
FUNDING SOURCES

(in thousands $)

SCVWD Safe, Clean Water Fund	7,613
SCVWD Water Utility Enterprise Fund (FAHCE)	1,857
Total	**9,470**

PROJECT	Coyote 10B Freshwater Wetlands		
PROGRAM	Water Resources Stewardship - Multiple Watersheds	**CONTACT**	Lisa Bankosh
PROJECT NO.	40214023		lbankosh@valleywater.org

View of the abandoned quarry pond and levee erosion



Location Map

★ Project Location

PROJECT DESCRIPTION

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

- Meet Valley Water's mitigation requirements for the Multi-Year Stream Maintenance Program (SMP) in the Santa Clara Basin
- Create seven acres of freshwater wetland for mitigation credit of impacts associated with Stream Maintenance Program 3 (SMP3)
- Create one acre of upland habitat for mitigation credit of impacts associated with SMP3
- Create 1.5 acres (1,430 linear feet) of channel with inclusion of fisheries habitat features for mitigation credit of impacts associated with SMP3
- Identify possible enhancement opportunities for presentation to the Board of Directors

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE Not Available

SCHEDULE & STATUS

July 2024 to March 2029

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	1,373											
Permits	444											
Design	2,736											
Construct	3,539											
Closeout	10											
	8,101	Total project cost may include expenditures not yet allocated to a specific phase.										

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
40214023-Coyote 10B Freshwater Wetlands	0	538	835	1,346	1,925	3,458	0	0	8,101
with inflation	0	538	835	1,470	2,197	4,270	0	0	9,309
Actuals include project expenditures and encumbrances.									

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
40214023-Coyote 10B Freshwater Wetlands	0	2,236	1,699	0	606	2,197	4,270	0	0	9,309
Adjusted Budget includes adopted budget plus approved budget adjustments.										

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	9,309
Other Funding Sources	0
Total	**9,309**

Buildings & Grounds

Buildings & Grounds Capital Improvements

BUILDINGS & GROUNDS OVERVIEW

Valley Water's Almaden-Winfield campus occupies nearly 50 acres along Almaden Expressway in the City of San José. 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 35 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

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

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. Throughout the various phases of a capital project, projections of this impact are regularly considered and updated as needed to reflect changes in project elements.

CIP DEVELOPMENT PROCESS AND FINANCIAL ANALYSIS

The annual CIP Development 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 CIP Draft Five-Year Plan in March.

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

A 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:

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

The CIP Development Process concluded that the Small Capital Improvements, Facility Management funding totals approximately $4 million per year to meet Buildings and Grounds needs.

Significant Project Updates from the Prior Year

Updates to capital project plans are considered to be significant if total project costs (TPC) increase or decrease by more than $1 million (inflated), project completion is extended beyond one year, or if there are any changes to project scope. Listed below are the changes to projects from the CIP Adopted FY 2025-29 Five-Year Plan:

Capital Improvement Project Updates

- The Security Upgrades and Enhancements Project decreased in cost by $2.21 million as a result of the project schedule being advanced by one year due to the Project scheduled to be delivered in three phases: Phase 1-Fencing Replacement, Phase 2-Surveillance and Access Control Replacement, Phase 3-Surveillance System Expansion.
- The Headquarters Operations Building Project decreased in cost by $87 thousand as a result of a change in project scope. The scope changed from a building replacement to a full-scale renovation and the overall project schedule advanced by 23 months due to the change in scope and effort to advance the contract timeline.

Small Capital Improvement Project Updates

Small Capital project forecasts undergo annual revisions, adjusting asset rehabilitation projects based on asset condition and project requirements, and updating project costs according to market conditions. These revisions to both schedule and costs result in several minor changes in expected expenditures over the forecasted period.

- Small Capital Improvements, Facility Management Project increased in cost by $2.55 million.

Buildings & Grounds Capital Improvements

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 2024-25.

Buildings and Grounds Funding Schedule ($K)

Project Number	PROJECT NAME	Through FY24	FY25*	FY25 Unspent	FY26	FY27	FY28	FY29	FY30	FY31-40	TOTAL
60204016	Small Capital Improvements, Facility Management	n/a	6,555	-	4,006	4,000	4,000	4,000	4,000	40,000	66,561
60204022	Security Upgrades and Enhancements	628	4,587	-	5,219	4,246	-	-	-	-	14,679
60204032	Headquarters Operations Building	4,100	1,485	4,492	4,025	5,359	-	-	-	-	14,970
	TOTAL	4,728	12,627	4,492	13,250	13,605	4,000	4,000	4,000	40,000	96,210

**FY 2025 Adjusted Budget includes adopted budget plus budget adjustments*

FY 2024-25 Funds to be reappropriated

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

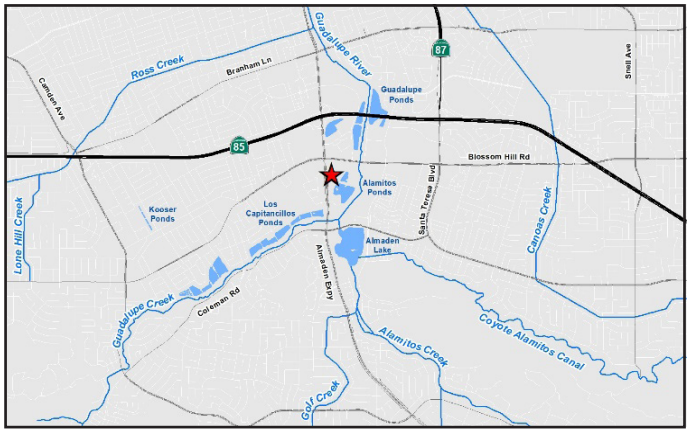
Buildings and Grounds - Funding Sources ($K)

Fund Number	FUND NAME	Through FY24	FY25*	FY25 Unspent	FY26	FY27	FY28	FY29	FY30	FY31-40	TOTAL
11	General Fund	4,728	12,627	4,492	13,250	13,605	4,000	4,000	4,000	40,000	96,210
	TOTAL	4,728	12,627	4,492	13,250	13,605	4,000	4,000	4,000	40,000	96,210

FY 2024-25 Funds to be reappropriated

PROJECT	Small Capital Improvements, Facility Management		
PROGRAM	Buildings & Grounds	**CONTACT**	Tony Ndah
PROJECT NO.	60204016		tndah@valleywater.org

Front view of Headquarters building at the Almaden Campus



Location Map

★ Project Location

PROJECT DESCRIPTION

This project reserves funding for capital maintenance and replacement of buildings and grounds on all Valley Water facilities to provide a healthy and safe environment for staff and visitors.

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: Not Applicable

SCHEDULE & STATUS

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

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	-											
Design	-											
Construct	66,561											
Closeout	-											
	66,561	Total project cost may include expenditures not yet allocated to a specific phase.										

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
60204016-Small Capital Improvements, Facility Management	n/a	6,555	4,006	4,000	4,000	4,000	4,000	40,000	66,561
with inflation	n/a	6,555	4,006	4,000	4,000	4,000	4,000	40,000	66,561

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
60204016-Small Capital Improvements, Facility Management	n/a	6,555	0	4,006	4,000	4,000	4,000	4,000	40,000	66,561

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 General Fund	66,561
Other Funding Source	0
Total	**66,561**

PROJECT	Security Upgrades and Enhancements		
PROGRAM	Buildings & Grounds	**CONTACT**	Tony Ndah
PROJECT NO.	60204022		tndah@valleywater.org

Security upgrades and enhancements at Valley Water facilities

Location Map

PROJECT DESCRIPTION

This project is a path to significantly enhance the security at Valley Water facilities. The Project will install an updated security system using modern technologies capable of responding to today's security threats, and it will increase the overall physical security for Valley Water properties, facilities, fleet, equipment, and staff.

The project will be delivered in three phases:

Phase 1: Fencing Replacement

Phase 2: Surveillance and Access Control Replacement

Phase 3: Surveillance System Expansion

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: Not Applicable

SCHEDULE & STATUS

July 2022 to June 2027

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	208											
Design	170											
Construct	13,820											
Closeout	70											
	14,274	Total project cost may include expenditures not yet allocated to a specific phase.										

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
60204022-Security Upgrades and Enhancements	215	5,000	5,219	3,841	0	0	0	0	14,274
with inflation	215	5,000	5,219	4,246	0	0	0	0	14,679
Actuals include project expenditures and encumbrances.									

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
60204022-Security Upgrades and Enhancements	628	4,587	0	5,219	4,246	0	0	0	0	14,679
Adjusted Budget includes adopted budget plus approved budget adjustments.										

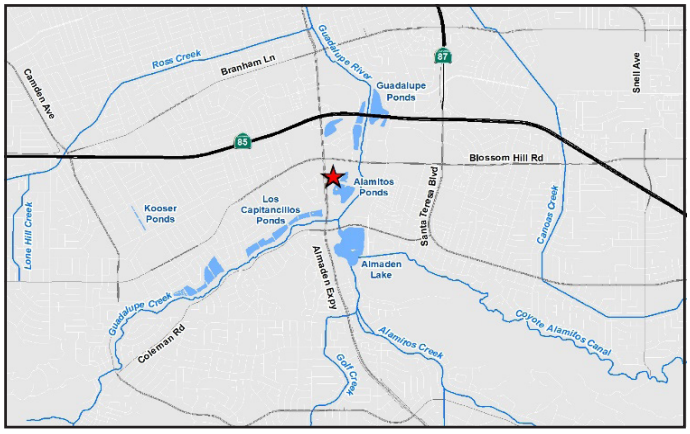
FUNDING SOURCES

(in thousands $)

SCVWD General Fund	14,679
Other Funding Sources	0
Total	**14,679**

PROJECT	Headquarters Operations Building		
PROGRAM	Buildings & Grounds	**CONTACT**	Tony Ndah
PROJECT NO.	60204032		tndah@valleywater.org

Existing Maintenance Building



Location Map

★ Project Location

PROJECT DESCRIPTION

This project is a placeholder to plan, design, and construct future facilities or improve 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 staff to efficiently perform its core business

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: Not Applicable

SCHEDULE & STATUS

July 2014 to June 2027

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	390											
Design	882											
Construct	13,375											
Closeout	50											
	14,697	Total project cost may include expenditures not yet allocated to a specific phase.										

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
60204032-Headquarters Operations Building	394	700	8,517	5,087	0	0	0	0	14,697
with inflation	394	700	8,517	5,359	0	0	0	0	14,970
Actuals include project expenditures and encumbrances.									

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
60204032-Headquarters Operations Building	4,100	1,485	4,492	4,025	5,359	0	0	0	0	14,970
Adjusted Budget includes adopted budget plus approved budget adjustments.										

FUNDING SOURCES

(in thousands $)

SCVWD General Fund	14,970
Other Funding Sources	0
Total	**14,970**

Information Technology

Information Technology Capital Improvements

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 regularly reviews its five-year strategic plan to focus on the changing workforce, innovation, data, and internal efficiencies.

In 2014, the Information Technology Capital Fund was created to account for the costs to acquire and install capital information technology projects with Valley Water-wide benefit. Projects include the 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
- ERP Replacement Project
- Small Capital Improvements, Software Upgrades & Enhancements
- Small Capital Improvements, Water Utility (WU) Computer Network Modernization

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. Throughout the various phases of a capital project, projections of this impact are regularly considered and updated as needed to reflect changes in project elements.

CIP DEVELOPMENT PROCESS AND FINANCIAL ANALYSIS

The annual CIP Development 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 Five-Year Plan in March.

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

A 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 Development Process and financial analysis, it was determined that funding needs for approved Information Technology projects can be met.

Significant Project Updates from the Prior Year

Updates to capital project plans are considered to be significant if total project costs (TPC) increase or decrease by more than $1 million (inflated), project completion is extended beyond one year, or if there are any changes to project scope. Listed below are the changes to projects from the CIP Adopted FY 2025-29 Five-Year Plan:

Small Capital Improvement Project Updates

Small Capital project forecasts undergo annual revisions, adjusting asset rehabilitation projects based on asset condition and project requirements, and updating project costs according to market conditions. These revisions to both schedule and costs result in several minor changes in expected expenditures over the forecasted period.

- Small Capital Improvements, Software Upgrades & Enhancements Project decreased in cost by $6.52 million.
- Small Capital Improvements, Water Utility Computer Network Modernization Project decreased in cost by $1.16 million.

Information Technology Capital Improvements

New Capital Improvement Project Included

One new Information Technology project was approved by the Board for inclusion in the CIP FY 2026-30 Five-Year Plan. The ERP Replacement Project will provide an Enterprise Resource Planning system to eliminate inefficiencies and simplify usability for VW staff. The estimated project cost is $31.50 million and the project duration is expected to last up to three years.

After the approval of the CIP Draft Five-Year Plan, the schedule for the ERP Replacement Project required an update. There is an anticipated delay of one year due to the postponed initiation of two other critical operational IT projects, which run parallel and are essential for accurately scoping and planning the ERP initiative. The revised project cost is $33.23 million due to the reallocation of expenditures to match the updated schedule.

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 2024-25.

Information Technology Funding Schedule ($K)

Project Number	PROJECT NAME	Through FY24	FY25*	FY25 Unspent	FY26	FY27	FY28	FY29	FY30	FY31-40	TOTAL
73274009	Data Consolidation	1,249	36	-	-	-	-	-	-	-	1,285
73274013	ERP Replacement	-	-	-	-	8,743	12,241	12,241	-	-	33,225
73274008	Small Capital Improvements, Software Upgrades & Enhancements	n/a	642	-	609	687	705	743	780	10,192	14,358
95274003	Small Capital Improvements, WU Computer Network Modernization	n/a	2,028	-	2,365	-	540	417	652	16,755	22,757
	TOTAL	1,249	2,706	-	2,974	9,430	13,486	13,401	1,432	26,947	71,625

**FY 2025 Adjusted Budget includes adopted budget plus budget adjustments*

FY 2024-25 Funds to be reappropriated

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

Information Technology - Funding Sources ($K)

Fund Number	FUND NAME	Through FY24	FY25*	FY25 Unspent	FY26	FY27	FY28	FY29	FY30	FY31-40	TOTAL
73	Information Technology Fund	1,249	678	-	609	9,430	12,946	12,984	780	10,192	48,868
61	Water Utility Enterprise Fund	n/a	2,028	-	2,365	-	540	417	652	16,755	22,757
	TOTAL	1,249	2,706	-	2,974	9,430	13,486	13,401	1,432	26,947	71,625

FY 2024-25 Funds to be reappropriated

PROJECT	Data Consolidation		
PROGRAM	Information Technology	**CONTACT**	Cecil Lawson
PROJECT NO.	73274009		clawson@valleywater.org

Data consolidation will reduce Valley Water's data footprint

Location Map

PROJECT DESCRIPTION

This project implements improvements to data management to accomplish the following objectives:

- Provide and gain rapid insights using data analytics to solve complex business problems
- Reduce the overall data footprint

This project is anticipated to be completed and closed by June 30, 2025.

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 3-5 Years

SCHEDULE & STATUS

July 2015 to June 2025

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	-											
Design	-											
Construct	1,285											
Closeout	-											
1,285	Total project cost may include expenditures not yet allocated to a specific phase.											

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
73274009-Data Consolidation	1,017	268	0	0	0	0	0	0	1,285
with inflation	1,017	268	0	0	0	0	0	0	1,285
Actuals include project expenditures and encumbrances.									

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
73274009-Data Consolidation	1,249	36	0	0	0	0	0	0	0	1,285
Adjusted Budget includes adopted budget plus approved budget adjustments.										

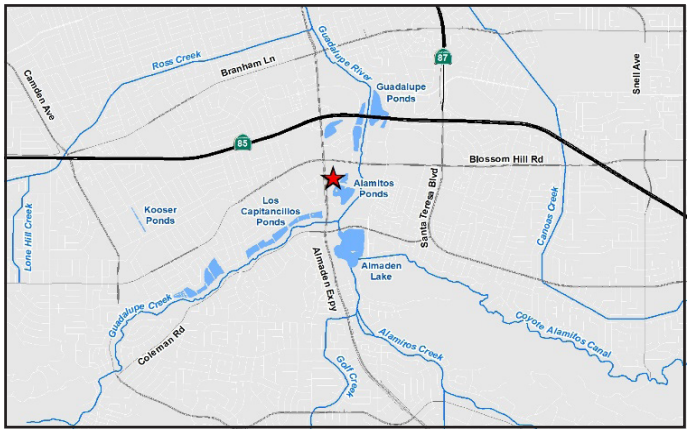
FUNDING SOURCES

(in thousands $)

SCVWD Information Technology Fund	1,285
Other Funding Sources	0
Total	**1,285**

PROJECT	ERP Replacement		
PROGRAM	Information Technology	**CONTACT**	Cecil Lawson
PROJECT NO.	73274013		Clawson@valleywater.org

The new ERP system aims to increase operational efficiency



Location Map

★ Project Location

PROJECT DESCRIPTION

The new Enterprise Resource Planning (ERP) system will enhance efficiency, improve usability, and support business operations. The project includes planning, system implementation, and integration. The new system will streamline processes, ensure regulatory compliance, and provide a stable, long-term solution for financial and operational management.

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 10 Years

SCHEDULE & STATUS

July 2026 to June 2029

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	500											
Permits	-											
Design	-											
Construct	29,500											
Closeout	-											
30,000	Total project cost may include expenditures not yet allocated to a specific phase.											

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
73274013-ERP Replacement	0	0	0	7,900	11,050	11,050	0	0	30,000
with inflation	0	0	0	8,743	12,241	12,241	0	0	33,225
Actuals include project expenditures and encumbrances.									

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
73274013-ERP Replacement	0	0	0	0	8,743	12,241	12,241	0	0	33,225
Adjusted Budget includes adopted budget plus approved budget adjustments.										

FUNDING SOURCES

SCVWD Information Technology Fund	33,225
Other Funding Sources	0
Total	**33,225**

PROJECT	Small Capital Improvements, Software Upgrades & Enhancements		
PROGRAM	Information Technology	**CONTACT**	Cecil Lawson
PROJECT NO.	73274008		clawson@valleywater.org

Upgrade and enhancement of existing systems

Location Map

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

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: Not Applicable

SCHEDULE & STATUS

July 2015 to June 2040

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	-											
Design	-											
Construct	9,671											
Closeout	-											
9,671	Total project cost may include expenditures not yet allocated to a specific phase.											

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
73274008-Small Capital Improvements, Software Upgrades & Enhancements	n/a	642	609	620	600	600	600	6,000	9,671
with inflation	n/a	642	609	687	705	743	780	10,192	14,358
Actuals include project expenditures and encumbrances.									

FUNDING SCHEDULE

(in thousands $)

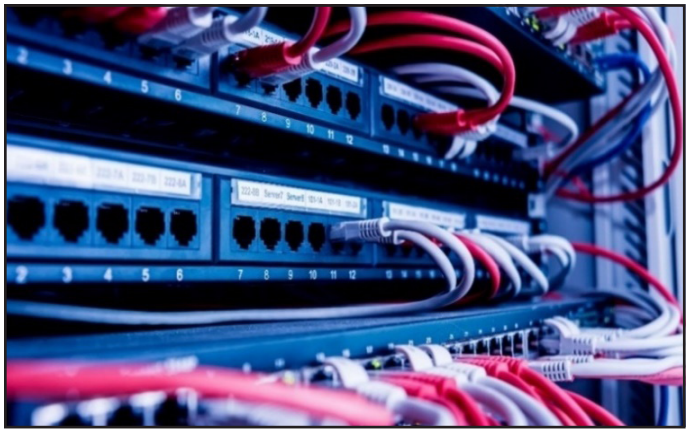
	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
73274008-Small Capital Improvements, Software Upgrades & Enhancements	n/a	642	0	609	687	705	743	780	10,192	14,358
Adjusted Budget includes adopted 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

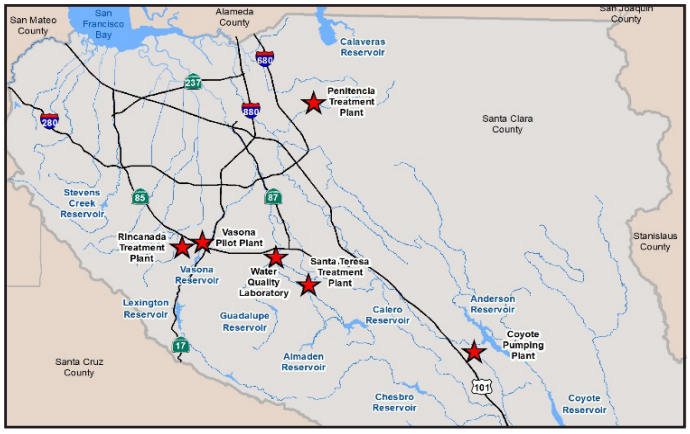
(in thousands $)

SCVWD Information Technology Fund	14,358
Other Funding Sources	0
Total	**14,358**

PROJECT	Small Capital Improvements, WU Computer Network Modernization		
PROGRAM	Information Technology	**CONTACT**	Cecil Lawson
PROJECT NO.	95274003		clawson@valleywater.org



Replace and upgrade existing network structures



Location Map

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

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: Not Applicable

SCHEDULE & STATUS

July 2014 to June 2040

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	-											
Design	-											
Construct	15,845											
Closeout	-											
15,845	Total project cost may include expenditures not yet allocated to a specific phase.											

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
95274003-Small Capital Improvements, WU Computer Network Modernization	n/a	2,028	2,365	0	473	350	523	10,106	15,845
with inflation	n/a	2,028	2,365	0	540	417	652	16,755	22,757
Actuals include project expenditures and encumbrances.									

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
95274003-Small Capital Improvements, WU Computer Network Modernization	n/a	2,028	0	2,365	0	540	417	652	16,755	22,757
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	22,757
Other Funding Sources	0
Total	**22,757**

Financial Planning

Financial Planning and Summary

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-4.4, "Annual financial planning will include a credible multi-year 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-4.1 "A BAO shall expend only those funds that have been appropriated in the Operating and Capital budgets, reserves, and debt service."

KEY REVENUES SOURCES

Water Charges

- Water charges include a groundwater 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 in 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 the 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.

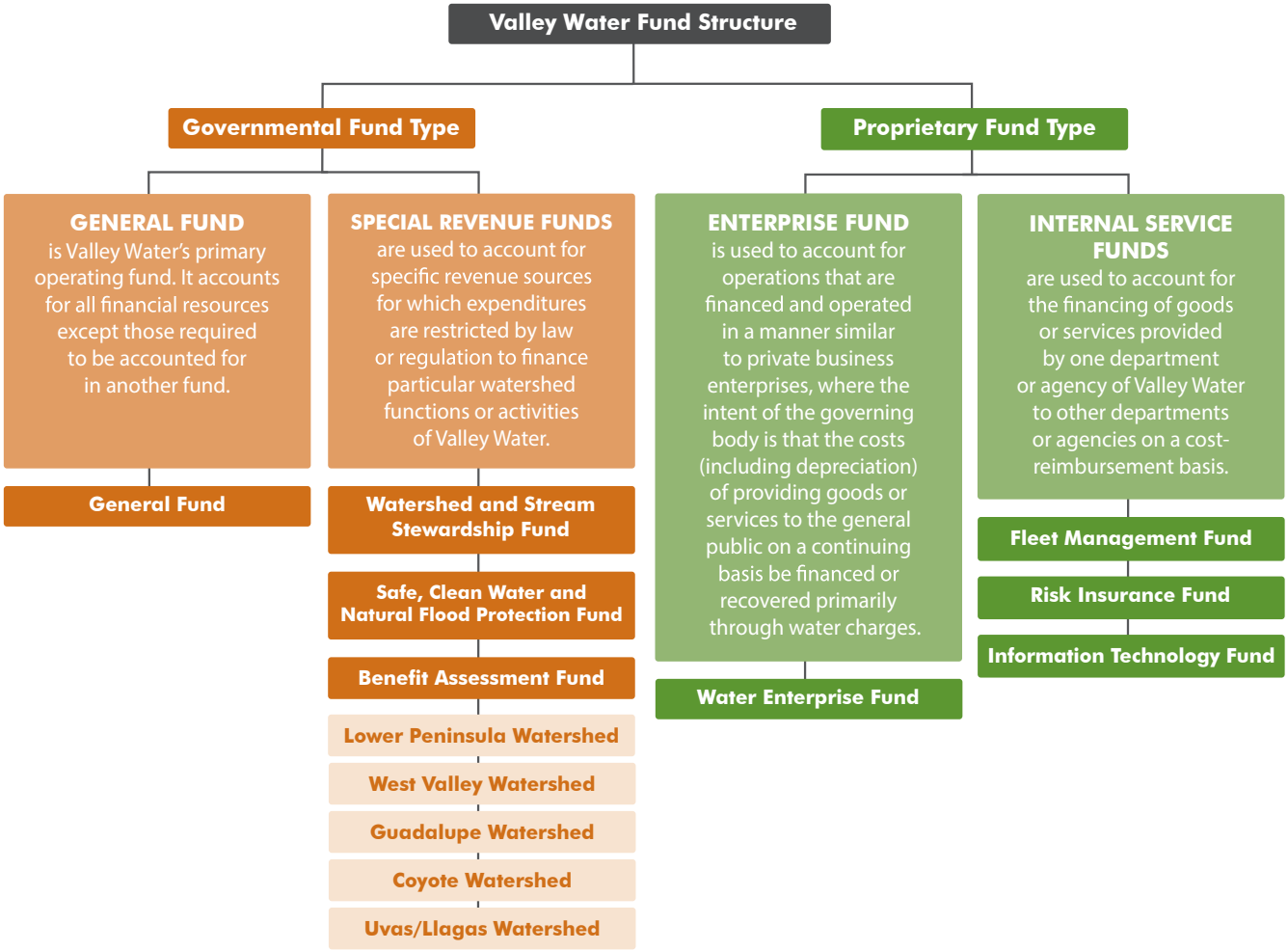
REVENUE PROJECTIONS

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 the revenue needed to meet operating and capital needs.
- Revenues from property taxes, special parcel taxes, and benefit assessments are estimated based on the projection of growth in assessed value and the number of developed parcels in Santa Clara County.

Financial Planning and Summary

- Interest earnings are estimated based on the projected average cash balances during the fiscal year and expected yield from Valley Water's investment portfolio.
- Revenues from capital partnerships are estimated based on the terms of agreements executed by Valley Water and its partners.



Revenue by Fund ($K)

FUND NAME	FY24 Actual	FY25 Adopted	FY26	FY27	FY28	FY29	FY30	FY31	FY32	FY33	FY34	FY35
Water Utility Enterprise	391,208	447,923	474,158	529,638	591,396	677,062	770,832	844,649	958,818	1,050,067	1,143,363	1,110,759
Watershed Stream Stewardship	134,504	141,020	141,766	142,927	172,766	176,443	162,723	156,275	161,463	166,689	172,132	177,610
Safe, Clean Water and Natural Flood Protection	63,793	86,171	108,857	74,049	60,472	94,962	60,799	61,882	63,289	64,661	65,973	67,356
Benefit Assessment	6,889	7,053	6,924	6,921	6,855	6,856	6,854	-	-	-	-	-
General	12,914	12,375	13,497	13,831	14,075	14,413	14,759	15,114	15,478	15,851	16,233	16,625
Internal Service	1,720	632	666	715	715	716	716	717	717	718	718	719
TOTAL	611,027	695,173	745,868	768,081	846,279	970,452	1,016,684	1,078,636	1,199,765	1,297,985	1,398,419	1,373,068

Financial Planning and Summary

EXPENDITURE PROJECTIONS

Valley Water regularly updates operations and capital expenditures based on the best information available. Capital and operations expenditure projections are the foundation for the development of Valley Water's budget.

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.

The construction priorities for Valley Water are both significant and complex in nature, and as such have considerable capacity to be impacted by fluctuations in local market conditions. In turn, on an annual basis Valley Water hires an independent cost estimator to review the Construction Cost Escalation Factors and Market Rate Factors and provide forecast escalation rates to be utilized in the preparation of the CIP Five-Year Plan. Included on page VII-4 is the Escalation Forecast table for FY 2026-40.

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 Safe, Clean Water Program approved by the voters in 2012 and 2020 includes the authority to issue debt against future revenue in order to accelerate the 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 the impacts to the water rates caused by fluctuations in capital funding needs. 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 ensures 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.

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.

CIP FUNDING SUMMARY

Of the $10.358 billion in total Valley Water funding for current and future projects, the Board appropriated $3.096 billion in prior years through June 30, 2025 (the end of fiscal year 2024-25). This year's CIP process identified additional funding needs of $7.262 billion to complete the projects in the CIP, with $390 million allocated in FY 2025-26 and a total of $6.872 billion proposed for future years.

Financial Planning and Summary

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.

Debt Payment Schedule ($K)

Fund Name	FY25	FY26	FY27	FY28	FY29	FY30
General	-	-	-	-	-	-
Benefit Assessment	5,757	5,762	5,761	5,759	5,761	5,759
Safe, Clean Water and Natural Flood Protection	9,113	11,857	14,390	22,523	24,731	25,803
Water Utility Enterprise	83,771	93,891	111,471	133,292	149,763	161,777
TOTAL	98,641	111,510	131,623	161,574	180,254	193,338

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.

Estimated Operating Impacts ($K)

Fund Name	FY25	FY26	FY27	FY28	FY29	BEYOND
General Fund	-	-	-	-	-	-
Watershed Stream Stewardship Fund	250	520	540	540	540	19,360
Safe, Clean Water and Natural Flood Protection Fund	893	2,393	2,393	3,191	3,651	169,625
Water Utility Enterprise Fund	50	108	141	589	3,940	331,981
Information Technology Fund	-	100	100	100	100	100
TOTAL	1,193	3,121	3,174	4,420	8,231	521,066

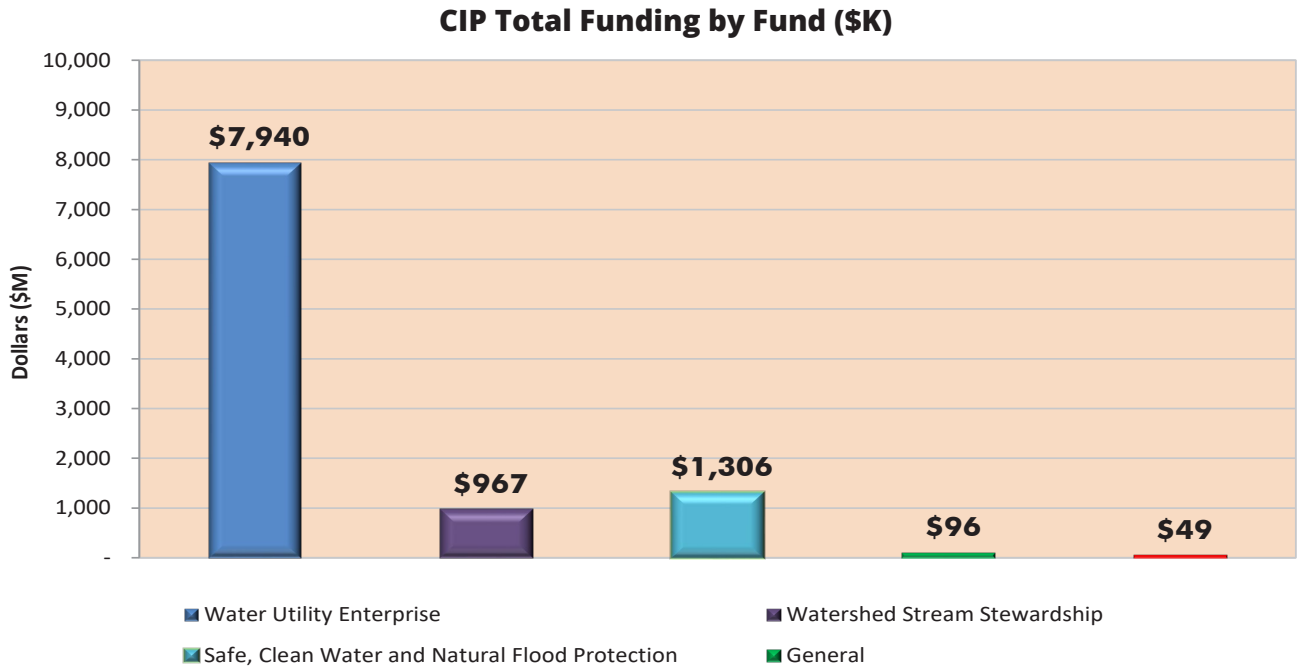
This chart identifies the construction cost escalation rate for capital projects. Escalation rates will be adjusted on an annual basis to reflect updated market conditions.

Construction Cost Escalation Forecast

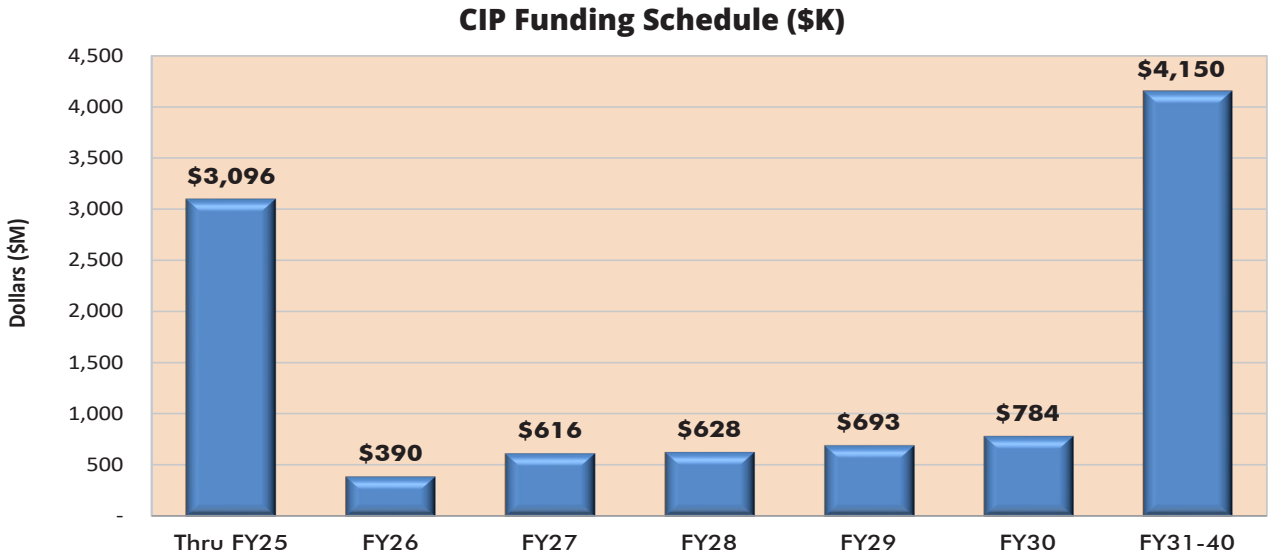
Fiscal Year	FY26	FY27	FY28	FY29	FY30	FY31-40
Escalation Rate	5.0%	5.5%	6.0%	5.5%	5.0%	4.8%

Financial Planning and Summary

This chart shows the $10.358 billion funding to implement the 76 capital projects, as defined in the CIP, which are funded by five of Valley Water's funds.



This chart shows the funding schedule for the $10.358 billion to implement the 76 capital projects.



CIP Project Funding Schedule for Water Utility Enterprise Fund ($K)

PROJECT NAME	Through FY24	FY25	FY25 Unspent	FY26	FY27	FY28	FY29	FY30	FY31-40	TOTAL
Almaden Dam Improvements	9,538	-	64	92	163	171	179	21,650	6,703	38,495
Almaden Calero Canal Rehabilitation	5,330	718	-	659	17,538	48	-	-	-	24,292
Anderson Dam Seismic Retrofit (C1)	212,770	45,111	28,121	24,184	146,275	158,242	192,921	216,593	972,755	1,968,851
Anderson Dam Tunnel	209,192	42,426	5,873	42,682	546	410	-	-	-	295,256
Coyote Creek Flood Management Measures	83,173	31,419	15,588	-	-	-	-	-	-	114,592
Coyote Creek Chillers	22,916	5,556	10	337	-	-	-	-	-	28,809
Coyote Percolation Dam Replacement	17,663	73	-	-	-	-	-	-	-	17,736
Cross Valley Pipeline Extension	11,902	499	-	-	-	-	-	-	-	12,401
Calero and Guadalupe Dams Seismic Retrofits	37,855	4,043	1,942	10,341	8,537	15,549	52,719	80,451	107,409	316,903
Coyote Dam Seismic Stability	-	-	-	867	1,452	1,461	2,981	2,218	397,497	406,476
Coyote Pumping Plant ASD Replacement	26,721	21,022	-	1,047	1,178	-	-	-	-	49,968
Dam Seismic Stability Evaluation	23,197	299	136	-	23	57	4,521	436	1,430	29,962
Small Capital Improvements, San Felipe Reach 1-3	n/a	4,457	-	5,456	607	6,514	8,918	7,048	12,292	45,291
Pacheco Reservoir Expansion Project	144,616	-	10,820	1,427	11,090	29,145	141,121	338,513	2,066,344	2,732,258
10-Year Pipeline Rehabilitation (FY18-FY27)	140,580	19,611	5,553	20,254	2,748	342	-	-	-	183,534
Pipeline Maintenance Program	-	-	-	627	546	228	119	125	-	1,645
East Pipeline Inspection & Rehabilitation	-	-	-	1,992	4,185	1,027	8,724	461	-	16,389
Penitencia Delivery Main and Force Main Inspection & Rehabilitation	-	-	-	1,780	3,301	171	-	-	-	5,252
Santa Teresa Force Main Inspection & Rehabilitation	-	-	-	587	730	1,446	664	-	-	3,426
Milpitas Pipeline Inspection & Rehabilitation	-	-	-	616	1,206	2,016	11,829	373	-	16,040
Santa Clara and Campbell Distributary Inspection & Rehabilitation	-	-	-	-	601	628	954	10,451	-	12,633
Almaden Valley Pipeline Replacement Project	3,265	2,193	-	3,135	10,873	12,064	11,973	2,393	57,668	103,564
Distribution System Master Plan Implementation	7,902	631	-	634	131	-	-	-	-	9,297
FAHCE Implementation	-	-	-	-	4,739	4,379	14,691	14,690	106,609	145,108
Pacheco/Santa Clara Conduit Right of Way Acquisition	5,914	227	1,987	55	39	-	-	-	-	6,236
SCADA Master Plan Implementation	5,709	50	208	510	212	-	-	-	-	6,480

CIP Project Funding Schedule for Water Utility Enterprise Fund ($K) Continued

PROJECT NAME	Through FY24	FY25	FY25 Unspent	FY26	FY27	FY28	FY29	FY30	FY31-40	TOTAL
SMPIP Upgrades - Phase 1	-	586	586	-	431	1,382	1,341	1,345	5,330	10,415
Small Capital Improvements, Treated Water Transmission	n/a	350	-	292	292	46	41	76	188	1,285
Small Capital Improvements, Raw Water Transmission	n/a	3,205	-	1,100	1,100	742	775	810	3,621	11,353
Treated Water Isolation Valves	1,880	2,011	683	2,531	842	2,575	3,291	238	-	13,369
Vasona Pump Station Upgrade	4,750	1,170	-	1,698	10,334	14,126	3,119	-	-	35,198
PWTP Residuals Management	5,621	9,409	-	15,774	15,923	16,079	16,242	16,314	-	95,362
RWTP FRP Residuals Management Modifications	32,122	-	-	-	-	-	-	-	-	32,122
RWTP Residuals Remediation	42,869	900	-	-	-	-	-	-	-	43,769
RWTP Reliability Improvement	300,698	66,255	-	120,805	125,253	63,357	44,171	150	-	720,689
RWTP Ammonia Storage & Metering Facility Upgrade	630	477	-	527	2,742	2,398	-	-	-	6,774
Small Capital Improvements, Water Treatment	n/a	6,307	-	11,186	7,729	4,153	5,909	5,326	49,275	89,885
STWTP Filter Media Replacement Project	20,023	575	-	-	-	-	-	-	-	20,598
Water Treatment Plant Electrical Improvement Project	3,938	672	2,075	648	6,068	4,784	3,240	32	-	19,380
WTP Master Plan Implementation	8,461	517	-	273	-	-	-	-	-	9,251
San Jose Purified Water Project (SJPWP) - Phase 1	3,919	5,375	45	7,394	16,990	31,840	36,630	8,576	326	111,049
Land Rights - South County Recycled Water PL	6,817	8	3,388	152	-	-	-	-	-	6,977
Recycled Water Masterplan - Immediate-Term Implementation	3,257	-	-	-	-	-	-	-	-	3,257
Recycled Water Masterplan - Short-Term Implementation 1A	5,391	-	-	-	-	-	-	-	-	5,391
South County Recycled Water Pipeline - Short-Term Implementation Phase 1B	42,533	147	-	129	31	-	-	-	-	42,841
South County Recycled Water Pipeline - Short-Term Implementation Phase 2	8,618	-	435	-	-	-	-	-	-	8,618
FAHCE Stevens Creek Fish Passage Enhancement - 90%	765	-	-	-	1,482	2,675	38	-	-	4,960
Coyote Percolation Dam - Phase 2	-	-	-	4,383	3,337	-	-	-	-	7,720
Ogier Ponds Construction (e.g. Ogier Ponds)	-	-	-	-	-	-	-	-	26,308	26,308
Small Capital Improvements, WU Computer Network Modernization	n/a	2,028	-	2,365	-	540	417	652	16,755	22,757
TOTAL	1,460,533	278,326	77,514	286,538	409,273	378,593	567,527	728,920	3,830,507	7,940,217

FY 2024-25 Funds to be reappropriated

CIP Project Funding Schedule for Watershed and Stream Stewardship Fund ($K)

PROJECT NAME	Through FY24	FY25	FY25 Unspent	FY26	FY27	FY28	FY29	FY30	FY31-40	TOTAL
Palo Alto Flood Basin Tide Gate Structure Replacement	7,537	650	-	3,047	49	-	-	-	-	11,282
Permanente Creek, SF Bay to Foothill Expressway	20,327	21	-	-	-	-	-	-	-	20,348
San Francisquito Creek, SF Bay thru Searsville Dam	4,064	-	-	-	-	-	-	-	-	4,064
San Francisquito Creek, Early Implementation	1,614	-	-	-	-	-	-	-	-	1,614
Lower Guadalupe River Capacity Restoration Project	6,954	3,121	-	3,135	3,276	30,862	30,862	30,803	1,394	110,407
Berryessa Ck, Lower Penitencia Ck to Calaveras Blvd Phs 1	48,470	-	1,564	-	-	-	-	-	-	48,470
Berryessa Ck, Lower Penitencia Ck to Calaveras Blvd Phs 2	89,588	448	-	73	-	-	-	-	-	90,109
Berryessa Ck, Lower Penitencia Ck to Calaveras Blvd Phs 3	-	-	-	-	-	-	-	-	69,419	69,419
Lower Penitencia Ck Improvements, Coyote Ck to Berryessa Ck	35,394	-	34	101	21	-	-	-	-	35,516
Upper Penitencia Ck, Coyote Ck-Dorel Dr, Corps	9,467	-	-	-	-	-	-	-	-	9,467
Upper Penitencia Ck, Coyote Ck-Dorel Dr, LERRDs	2,309	-	-	-	-	-	-	-	-	2,309
San Francisco Bay Shoreline	101,306	53	-	4,770	5,062	90,141	966	1,109	1,310	204,716
San Francisco Bay Shoreline - Contribution	490	-	-	-	-	-	-	-	-	490
Shoreline Early Implementation	359	-	-	-	-	-	-	-	-	359
Watersheds Asset Rehabilitation Program (WARP)	63,173	19,679	-	16,560	8,941	9,443	9,939	10,424	170,420	308,579
FAHCE Stevens Creek Fish Passage Enhancement - 10%	85	-	-	-	166	298	4	-	-	553
FAHCE Stevens Creek Fish Passage Construction - 100%	-	-	-	-	476	3,292	3,473	3,534	2,227	13,003
Calabazas/San Tomas Aquino Creek-Marsh Connection	10,412	1,669	-	1,654	1,634	-	-	-	-	15,370
Pond A4 Resiliant Habitat Restoration Project	4,725	967	3,629	-	577	411	434	455	3,861	11,430
Coyote 10B Freshwater Wetlands	-	2,236	1,699	-	606	2,197	4,270	-	-	9,309
TOTAL	406,274	28,844	6,926	29,339	20,808	136,644	49,948	46,325	248,631	966,813

FY 2024-25 Funds to be reappropriated

Financial Planning and Summary

Project Funding Schedule for Safe, Clean Water and Natural Flood Protection Fund ($K)

PROJECT NAME	Through FY24	FY25	FY25 Unspent	FY26	FY27	FY28	FY29	FY30	FY31-40	TOTAL
IRP2 Additional Line Valves (A3)	7,372	9,484	2,964	10,809	5,814	506	110	-	-	34,095
Permanente Creek, SF Bay to Foothill Expressway	94,918	-	-	-	-	-	-	-	-	94,918
San Francisquito Creek, SF Bay thru Searsville Dam (E5)	6,411	-	-	-	-	-	-	-	-	6,411
San Francisquito Creek - San Francisco Bay to Searsville Dam (E5)	68,606	22,782	36,897	-	-	-	18,154	-	-	109,542
Sunnyvale East and West Channels (E2)	38,402	9,362	13,919	-	19,289	21,856	1,527	-	-	90,436
Guadalupe Rv–Upper, Fish Passage Mods	2,651	-	-	-	-	-	-	-	-	2,651
Guadalupe Rv–Upper, I-280 to SPRR (Rch 6) (E8)	35,297	-	250	-	-	185	1,829	667	-	37,978
Guadalupe Rv–Upper, SPRR-Blossom Hill (Rch 7-12) (E8)	89,399	-	19,714	-	-	-	-	-	-	89,399
Guadalupe Rv–Upper, Actuals chg to other proj numbers	7,887	-	-	-	-	-	-	-	-	7,887
Berryessa Ck, Calaveras-I-680 - Corps	36,740	-	10,968	-	-	-	-	265	616	37,621
Berryessa Ck, Calaveras-I-680 - Reimbursable	17,670	-	-	-	-	-	-	-	-	17,670
Berryessa Ck, Lower Penitencia Ck to Calaveras Blvd Phs 3 - Planning and Design (E3)	-	-	-	-	-	-	-	-	7,804	7,804
Coyote Creek, Montague Expressway to Tully Road (E1)	29,334	16,065	4,125	21,686	71,278	69,988	34,783	599	845	244,578
Upper Penitencia Ck, Coyote Ck-Dorel Dr, Corps (E4)	11,253	-	7,303	-	-	-	-	-	2,932	14,184
Llagas Creek–Upper, LERRD's (E6b)	50,110	-	480	42	22	-	-	-	-	50,174
Llagas Creek–Upper, USACE Coordination (E6a)	170,056	2,636	8,698	-	-	-	-	-	-	172,692
Llagas Creek–Upper, Technical Studies	1,446	-	-	-	-	-	-	-	-	1,446
Llagas Creek–Upper, Design (E6)	28,193	-	5,042	-	-	-	-	-	-	28,193
Llagas Creek-Phase 2B Construction	22,400	56,000	22,378	26,547	48,660	112	112	237	-	154,069
San Francisco Bay Shoreline - EIA 11 Design & Partial Construction (E7)	17,516	-	-	-	-	-	-	-	-	17,516
San Francisco Bay Shoreline - EIAs 1-4	10,113	1,025	5,428	-	-	-	-	-	-	11,138
San Francisco Bay Shoreline - EIAs 5-9	3,135	1,065	760	1,404	3,123	2,939	2,158	1,134	591	15,549
San Francisco Bay Shoreline - EIA 11 Design & Partial Construction (E7)	-	-	-	-	-	-	-	-	-	-
Hale Creek Enhancement Pilot Project (D6.1)	12,357	-	77	38	-	-	-	-	-	12,395
SCW Regnart Creek Rehabilitation Project (F8)	-	696	696	31	7,812	362	-	-	-	8,901
Ogier Ponds Separation from Coyote Creek (D4.2)	3,992	1,056	685	-	-	-	4	1,059	745	6,855
Ogier Ponds Construction	-	-	-	-	-	-	-	-	6,979	6,979
South Bay Salt Ponds Restoration (D8)	308	-	-	-	-	-	-	-	-	308
SCW Fish Passage Improvements (D4.3)	5,524	-	118	-	-	-	-	-	-	5,524
Bolsa Road Fish Passage Improvement (D6.2)	9,036	25	-	27	70	-	-	-	-	9,158
SCW D4.3 Fish Passage Improvements (Moffett)	666	1,514	1,537	-	6,992	298	-	-	-	9,470
TOTAL	780,792	121,711	142,039	60,584	163,060	96,246	58,677	3,961	20,512	1,305,543

FY 2024-25 Funds to be reappropriated

Financial Planning and Summary

Project Funding Schedule for General Fund ($K)

PROJECT NAME	Through FY24	FY25	FY25 Unspent	FY26	FY27	FY28	FY29	FY30	FY31-40	TOTAL
Small Capital Improvements, Facility Management	n/a	6,555	-	4,006	4,000	4,000	4,000	4,000	40,000	66,561
Security Upgrades and Enhancements	628	4,587	-	5,219	4,246	-	-	-	-	14,679
Headquarters Operations Building	4,100	1,485	4,492	4,025	5,359	-	-	-	-	14,970
TOTAL	4,728	12,627	4,492	13,250	13,605	4,000	4,000	4,000	40,000	96,210

FY 2024-25 Funds to be reappropriated

Project Funding Schedule for Information Technology Fund ($K)

PROJECT NAME	Through FY24	FY25	FY25 Unspent	FY26	FY27	FY28	FY29	FY30	FY31-40	TOTAL
Data Consolidation	1,249	36	-	-	-	-	-	-	-	1,285
ERP Replacement	-	-	-	-	8,743	12,241	12,241	-	-	33,225
Small Capital Improvements, Software Upgrades & Enhancements	n/a	642	-	609	687	705	743	780	10,192	14,358
TOTAL	1,249	678	-	609	9,430	12,946	12,984	780	10,192	48,868

FY 2024-25 Funds to be reappropriated

CIP Funding Schedule Summary for All Funds ($K)

FUND NAME	Through FY24	FY25	FY25 Unspent	FY26	FY27	FY28	FY29	FY30	FY31-40	TOTAL
Water Utility Enterprise	1,460,533	278,326	77,514	286,538	409,273	378,593	567,527	728,920	3,830,507	7,940,217
Watershed Stream Stewardship	406,274	28,844	6,926	29,339	20,808	136,644	49,948	46,325	248,631	966,813
Safe, Clean Water and Natural Flood Protection	780,792	121,711	142,039	60,584	163,060	96,246	58,677	3,961	20,512	1,305,543
General	4,728	12,627	4,492	13,250	13,605	4,000	4,000	4,000	40,000	96,210
Information Technology	1,249	678	-	609	9,430	12,946	12,984	780	10,192	48,868
TOTAL	2,653,576	442,186	230,971	390,321	616,175	628,430	693,136	783,986	4,149,841	10,357,651

FY 2024-25 Funds to be reappropriated

Appendices

Appendix A - Valley Water External Funding Summary

Valley Water's External Funding Appendix includes funding sources that operate on a reimbursement basis, where Valley Water initially advances the necessary funds for eligible expenditures. The table below outlines capital projects that receive external funding, including state and federal grants, state subvention reimbursements and local reimbursements.

External Funding Reimbursement ($K)

FY 2026-40 Planned Capital Reimbursement Schedule			Claims	Actuals							
Project Number	Project Name	Agency	On-hand (6/30/25)	Thru FY24	FY25	FY26	FY27	FY28	FY29	Future	Total
91864010	Cross Valley Pipeline Extension	Total	0	5,236	581	0	0	0	0	0	5,817
		DWR - Prop 1E		5,236	581	0	0	0		0	5,817
91214010	Small Capital Improvements, San Felipe - Rch 1	Total	0	3,692	64	684	800	814	1,381	4,427	11,862
		San Benito Water Dist		3,692	64	684	800	814	1,381	4,427	11,862
91954002	Pacheco Reservoir Expansion Project	Total	0	23,857	2,419	0	0	0	30,179	447,545	504,000
		California Water Commission		23,857	2,419	0	0	0	30,179	447,545	504,000
92144001	Pacheco/Santa Clara Conduit ROW Acquisition	Total	0	19	0	0	0	0	0	0	19
		San Benito Water Dist		19						0	19
20444001	Calabazas/San Tomas Aquino Ck-Marsh Connection	Total	0	2,381	1,804	0	0	0	0	0	4,185
		SFBRA Measure AA		1,880	1,490					0	3,370
		CDFW (Prop 1)		186	314					0	500
		EPA/San Francisco Bay Water Quality Improvement Fund (SFBWQIF)		315						0	315
91094007s	South County Recycled Water Pipeline	Total	0	6,525	1,281	0	0	0	0	0	7,806
		SCRWA		811						0	811
		USBR - ARRA		1,295						0	1,295
		USBR - Title 16		4,419	1,281					0	5,700
26154001s	Guadalupe River–Upper, I-280 - Blossom Hill Rd.	Total	0	36,021	0	0	0	0	0	0	36,021
		State Subventions		31,430						0	31,430
		City of San Jose		4,591						0	4,591
26174041s	Berryessa Ck, Calaveras Bvd to I-680	Total	0	14,124	0	0	0	0	0	0	14,124
		State Subventions		4,124						0	4,124
		DWR - Prop 1E		10,000						0	10,000
40174004	Berryessa Ck, Lwr Penitencia Ck - Calaveras Blvd. (Phase 1)	Total	0	15,000	0	0	0	0	0	0	15,000
		DWR - Prop 1E		15,000						0	15,000
40174005	Berryessa Ck, Lwr Penitencia Ck - Calaveras Blvd. (Phase 2)	Total	0	1,447	548	0	0	0	0	0	1,995
		City of Milpitas		1,447	548					0	1,995
40334005	Lwr Penitencia Ck Imp, Berryessa to Coyote Cks.	Total	0	5,253	61	0	0	0	0	0	5,314
		DWR - Prop 1E		5,000						0	5,000
		City of Milpitas		253	61						314
26174051s	Llagas Creek–Upr, Buena Vista to Wright	Total	0	42,182	22,625	50,600	14,228	500	0	0	130,135
		State Subventions		37,867	100	100	100			0	38,167
		City of Morgan Hill		4,315	2,525	500	4,128	500		0	11,968
		NRCS		0	20,000	50,000	10,000				80,000
26244001	Permanente Creek, SF Bay to Foothill Expway	Total	0	1,023	0	0	0	0	0	0	1,023
		Cities of Mountain View and Los Altos		1,023						0	1,023
10284007s	San Francisquito Creek, SF Bay - Searsville Dam	Total	0	5,558	0	0	0	0	0	0	5,558
		JPA Member Agencies		4,520						0	4,520
		JPA (Joint Powers Authority)		1,038						0	1,038
26444001	San Francisco Bay Shoreline	Total	0	6,000	0	0	0	0	0	0	6,000
		SFBRA Measure AA (Grant)		6,000						0	6,000
00044026	San Francisco Bay Shoreline	Total	47	34,829	7,775	5,000	3,000	14,733	14,161	0	79,498
		SFBRA Measure AA (Grant)		26,795	0	3,205	2,000	11,733	11,733	0	55,466
		SFBRA Measure AA (Ballot Reimbursement)		831						0	831
		State Subventions		7,203	797					0	8,000
		State Coastal Conservancy, Grant A (Reaches 1-3)		0	6,978	795				0	7,773
		State Coastal Conservancy, Grant B (Reaches 4-5)		0		1,000	1,000	3,000	2,428	0	7,428
26444002	San Francisco Bay Shoreline	Total	0	420	0	0	0	0	0	0	420
		State Bond - DWR		420						0	420
62084001	Watersheds Asset Rehabilitation Program	Total	0	456	0	0	0	0	0	0	456
		City of Palo Alto		456						0	456
		SUBTOTAL - Reimbursements from Current Projects	47	204,023	37,158	56,284	18,028	16,047	45,721	451,972	829,233

Appendix A - Valley Water External Funding Summary

External Funding Reimbursement ($K) continued

Reimbursements for Closed Projects			Claims	Actuals							
Project Number	Project Name	Agency	On-hand (6/30/25)	Thru FY24	FY25	FY26	FY27	FY28	FY29	Future	Total
30154013s	Guadalupe River–DT, I-880 to I-280	Total	500	39,480	0	0	0	0	0	0	39,480
		State Subventions	500	27,618						0	27,618
		City of San Jose		1,654						0	1,654
		San Jose Redev Agency		10,208						0	10,208
40264008s	Lwr Silver Ck, I-680 to Cunningham, Rchs 4-6	Total	0	53,445	0	0	0	0	0	0	53,445
		State Subventions		8,399						0	8,399
		DWR - Prop 1E		24,000						0	24,000
		NRCS-ARRA		20,676						0	20,676
		City of San Jose		370						0	370
91214001	Pacheco Conduit Inspection & Rehabilitation	Total	0	1,500	0	0	0	0	0	0	1,500
		San Benito Water Dist		1,500						0	1,500
91244001	Wolfe Road Recycled Water Pipeline	Total	0	12,201	0	0	0	0	0	0	12,201
		Apple Computer		4,800						0	4,800
		Cal Water		1,500						0	1,500
		City of Sunnyvale		2,101						0	2,101
		DWR - Prop 84		3,800						0	3,800
94384002	Penitencia Delivery Main Seismic Retrofit	Total	0	5,107	0	0	0	0	0	0	5,107
		Department of Water Resources (A3904)		5,107						0	5,107
92224001	Penitencia Force Main Seismic Retrofit	Total	0	3,884	0	0	0	0	0	0	3,884
		Department of Water Resources (A3904)		3,884						0	3,884
91184008	Silicon Valley Advanced Water Purification Ctr	Total	0	22,046	0	0	0	0	0	0	22,046
		City of San Jose		8,500						0	8,500
		DWR - Prop 50		2,935						0	2,935
		DWR - Prop 84		2,486						0	2,486
		USBR - ARRA		8,125						0	8,125
50284010	Llagas Ck–Lwr, Capacity Restoration	Total	0	120	0	0	0	0	0	0	120
		State Subventions		120						0	120
		SUBTOTAL - Reimbursements for Closed Projects	500	137,783	0	0	0	0	0	0	137,783
		TOTAL REIMBURSEMENTS	547	341,806	37,158	56,284	18,028	16,047	45,721	451,972	967,016

Disclaimer: Valley Water and its Board recognize that while the CIP Five-Year Plan is intended to outline projected capital funding and planned projects, unforeseen needs may arise due to natural disasters, severe storm events, or other unexpected challenges. In such cases, Valley Water reserves the right to pursue appropriate external funding sources to address critical and emerging needs necessary to protect our services, infrastructure, and the communities we serve. Any unplanned projects will be subject to approval by the Valley Water Board.

Appendix A - Valley Water External Funding Summary

The table below outlines capital projects supported through partnership funding, which may be provided via cost-sharing agreements or in-kind services.

Partnership Funding

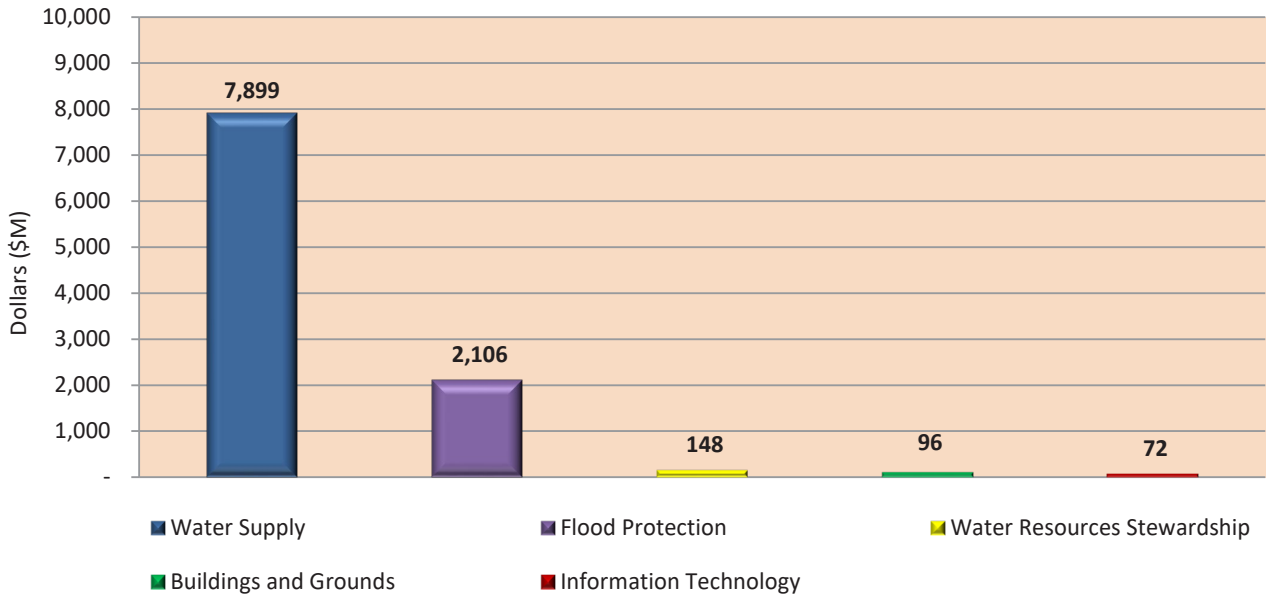
Project Number	Project Name	Amount ($K)	Partnering Agency
26174041s	Berryessa Creek, Calaveras Boulevard to Interstate 680	13,600	U.S. Army Corps of Engineers
26154001s	Guadalupe River–Upper, Interstate 280 to Blossom Hill Road	188,000	U.S. Army Corps of Engineers
26174051s	Llagas Creek–Upper, Buena Vista Road to Wright Avenue	65,000	U.S. Army Corps of Engineers
00044026s	San Francisco Bay Shoreline	91,250	USACE, Coastal Conservancy, US Fish & Wildlife, CA Wildlife Conservation, Packard-Hewlett-Goldman-Moore Foundations
10284007s	San Francisquito Creek, SF Bay thru Searsville Dam	3,000	U.S. Army Corps of Engineers
10284007s	San Francisquito Creek, SF Bay thru Searsville Dam	11,040	San Francisquito Joint Powers Authority (DWR)
10284007s	San Francisquito Creek, SF Bay thru Searsville Dam	1,500	County of San Mateo
40324003s	Upper Penitencia Creek, Coyote Creek to Dorel Drive	102,720	U.S. Army Corps of Engineers
	TOTAL	$ 476,110	

Appendix B - Summary of Capital Expenditures

Expenditure Schedule by Type of Improvement ($K)

Fund Name	Through FY24 (Actuals)	FY25	FY26	FY27	FY28	FY29	FY30	FY31	FY32	FY33	FY34	FY35	FY36-40	TOTAL
Water Supply	1,372,686	299,759	355,420	411,998	376,667	567,182	728,267	711,312	705,933	689,437	539,827	446,820	694,113	7,899,423
Flood Protection	1,016,375	111,561	137,008	169,508	238,566	124,407	50,060	18,283	16,742	17,516	18,423	18,946	168,703	2,106,097
Water Resources Stewardship	42,495	5,099	13,025	24,371	9,533	8,433	5,049	19,703	17,533	524	549	576	1,235	148,124
Buildings and Grounds	609	12,255	17,742	13,605	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	20,000	96,210
Information Technology	1,017	2,938	2,974	9,430	13,486	13,401	1,432	2,697	1,060	2,548	1,812	3,052	15,778	71,625
TOTAL	2,433,182	431,611	526,167	628,912	642,253	717,422	788,808	755,995	745,268	714,025	564,611	473,395	899,829	10,321,479

CIP Expenditures by Type of Improvement

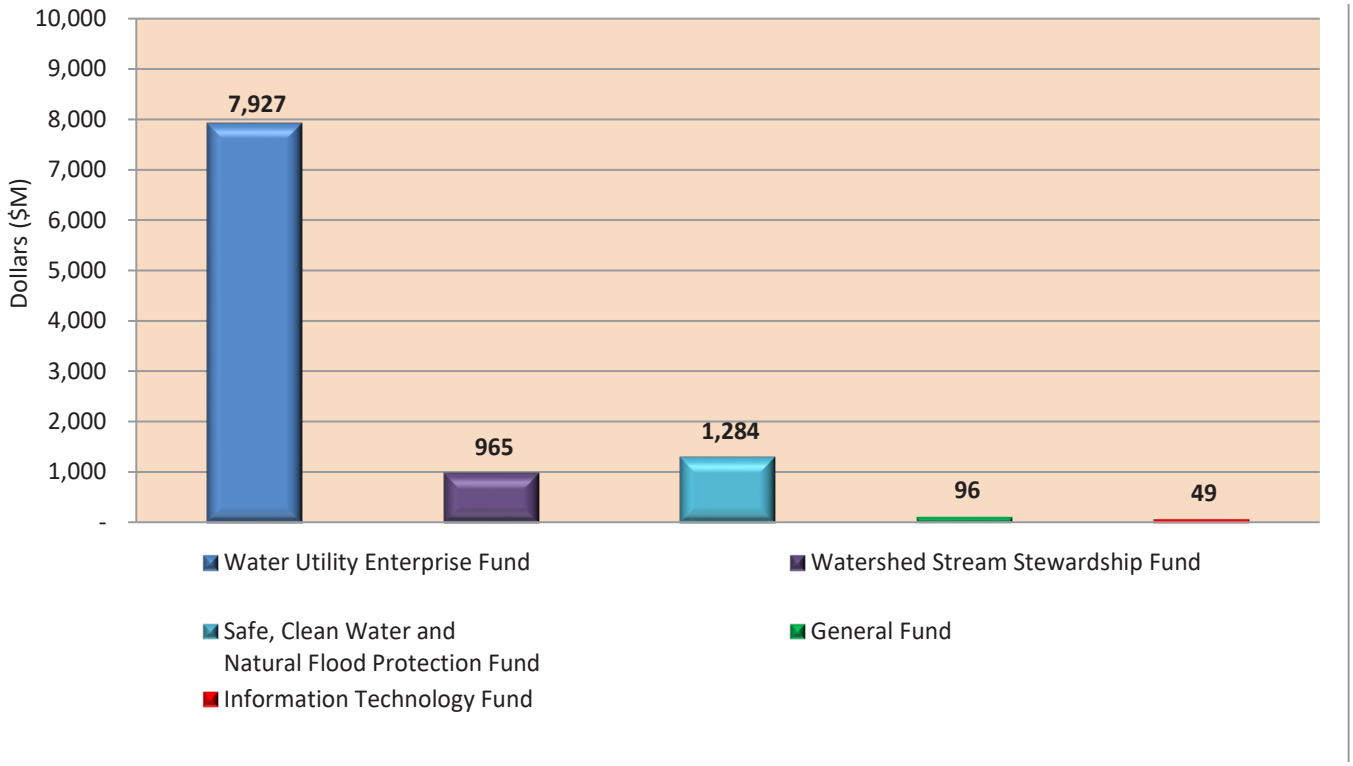


Appendix B - Summary of Capital Expenditures

Expenditure Schedule by Fund ($K)

Fund Name	Through FY24 (Actuals)	FY25	FY26	FY27	FY28	FY29	FY30	FY31	FY32	FY33	FY34	FY35	FY36-40	TOTAL
Water Utility Enterprise Fund	1,369,346	292,000	348,395	411,003	379,376	567,526	728,919	726,037	719,598	691,087	540,698	448,886	704,200	7,927,072
Watershed Stream Stewardship Fund	393,678	34,516	33,671	21,838	136,643	49,948	46,325	16,795	14,313	14,792	17,115	17,503	168,113	965,249
Safe, Clean Water and Natural Flood Protection Fund	668,532	91,930	125,751	173,036	109,287	82,964	8,783	8,345	6,501	3,249	1,858	2,019	1,825	1,284,080
General Fund	609	12,255	17,742	13,605	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	20,000	96,210
Information Technology	1,017	910	609	9,430	12,946	12,984	780	818	857	898	941	987	5,691	48,868
TOTAL	2,433,182	431,611	526,167	628,912	642,253	717,422	788,808	755,995	745,268	714,025	564,611	473,395	899,829	10,321,479

CIP Expenditures by Fund



Appendix C - Safe, Clean Water Project Schedules

The following table is an overview schedule for Safe, Clean Water Capital Projects identified in the FY 2026-30 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

Project Number	PROJECT NAME	FY05 - FY09	FY10 - FY14	FY15 - FY19	FY20 - FY24	FY25 - FY29	FY30 - FY34
	WATER SUPPLY						
91864005	Anderson Dam Seismic Retrofit (C1)						
26764001	IRP2 Additional Line Valves (A3)						
	FLOOD PROTECTION						
26244001	Permanente Creek, SF Bay to Foothill Expressway						
26284002	San Francisquito Creek - Construction, SF Bay to Middlefield Road (E5)						
26074002	Sunnyvale East and West Channels (E2)						
26154002	Guadalupe Rv–Upper, I-280 to SPRR (Reach 6) (E8)						
26154003	Guadalupe Rv–Upper, SPRR-Blossom Hill (Reaches 7-12) (E8)						
26174041	Berryessa Ck, Calaveras-I-680 - Corps						
26174043	Coyote Creek, Montague Expressway to Tully Road (E1)						
26324001	Upper Penitencia Ck, Coyote Ck-Dorel Dr, Corps (E4)						
26174051	Llagas Creek–Upper, LERRD's (E6b)						
26174052	Llagas Creek–Upper, USACE Coordination (E6a)						
26174054	Llagas Creek–Upper, Design (E6)						
26174055	Llagas Creek–Upper, Phase 2B Construction (E6)						
26444002	San Francisco Bay Shoreline - EIAs 1-4 (E7)						
26444004	San Francisco Bay Shoreline - EIAs 5-9 (E7)						
26444005	San Francisco Bay Shoreline - EIA 11 Design & Partial Construction (E7)						
	WATER RESOURCES STEWARDSHIP						
26164001	Hale Creek Enhancement Pilot Study (D6.1)						
26044002	SCW Fish Passage Improvements (D4.3)						
26044056	SCW Regnart Creek Rehabilitation (F8)						
26044003	SCW Ogier Ponds Separation (D4.2)						
26044004	Bolsa Road Fish Passage Improvements (D6.2)						
26044005	SCW D4.3 Fish Passage Improvements (Moffett)						

*Safe, Clean, Water (SCW) and Capital Improvement Program (CIP) schedules may vary slightly due to the definition of project completion by each program.

Planning Phase
Design Phase
Construction Phase
Close-out Phase

Appendix D - Operating Cost Impacts

WATER SUPPLY

26764001 IRP2 Additional Line Valves (A3)

The completion of this project is anticipated to increase annual operating costs by approximately $28,000 per year, beginning in FY28.

95084008 Santa Clara and Campbell Distributary Inspection & Rehabilitation

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.

95084007 Milpitas Pipeline Inspection & Rehabilitation

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.

95084006 Santa Teresa Force Main Inspection & Rehabilitation

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.

95084005 Penitencia Delivery Main and Force Main Inspection & Rehabilitation

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.

95084004 East Pipeline Inspection & Rehabilitation

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.

95084003 Pipeline Maintenance Program

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.

91084019 Dam Seismic Stability Evaluation

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.

91084020 Calero and Guadalupe Dams Seismic Retrofits - Planning

This project number is for planning phase work and has no operating cost impacts.

91094001 Land Rights - South County Recycled Water Pipeline

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.

Appendix D - Operating Cost Impacts

91094009 South County Recycled Water Pipeline - Short-Term Implementation Phase 1B

The completion of this project is anticipated to increase annual operating costs by approximately $33,000 per year, beginning in FY27.

91094010 South County Recycled Water Pipeline - Short-Term Implementation Phase 2

This project number is for supporting developers and has no operating cost impacts.

91214010 Small Capital Improvements, San Felipe Reach 1

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.

91224010 Small Capital Improvements, San Felipe Reach 2

This project number is for future work and has no operating cost impacts.

91234002 Coyote Pumping Plant ASD Replacement

The completion of this project is anticipated to decrease annual operating costs by approximately $60,000 per year, beginning in FY28.

91234010 Small Capital Improvements, San Felipe Reach 3

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.

91294001 San José Purified Water Project (SJPWP) - Phase 1

The completion of this project will include a operations and maintenance agreement which is anticipated to increase annual operating costs by approximately $2,000,000 per year, beginning in FY29.

91854001 Almaden Dam Improvements

The completion of this project is anticipated to decrease annual operating costs by approximately $2,000 per year, beginning in FY31.

91854003 Almaden Calero Canal Rehabilitation

The completion of this project is anticipated to decrease annual operating costs by approximately $2,000 per year, beginning in FY28.

91864005 Anderson Dam Seismic Retrofit (C1)

Completion of this project is not anticipated to increase or decrease annual operating costs, as the project does not significantly alter the overall modes of operation.

Appendix D - Operating Cost Impacts

91864006 Anderson Dam Tunnel Project

Operating cost impacts are currently being determined and will be identified at the end of FY25.

91864007 Coyote Creek Flood Management Measure

The completion of this project is anticipated to increase annual operating costs by approximately $425,000 per year, beginning in FY28.

91864008 Coyote Creek Chillers

The completion of this project is anticipated to increase annual operating costs by approximately $250,000 per year, beginning in FY25.

91864009 Coyote Percolation Dam Replacement

The completion of this project is anticipated to have annual operating costs of approximately $50,000 per year, beginning in FY26.

91864010 Cross Valley Pipeline Extension

The completion of this project is anticipated to increase annual operating costs by approximately $75,000 per year, beginning in FY25.

91874004 Calero Dam Seismic Retrofit - Design & Construction

The completion of this project is anticipated to have annual operating cost of approximately $300,000 per year, beginning in FY35.

91884003 Coyote Dam Seismic Stability

Completion of this project is not anticipated to increase or decrease annual operating costs, as the project does not significantly alter the overall mode of operation.

91894002 Guadalupe Dam Seismic Retrofit - Design & Construct

The completion of this project is anticipated to have annual operating cost of approximately $300,000 per year, beginning in FY35.

91954002 Pacheco Reservoir Expansion Project

Operating cost impacts are anticipated to be approximately $2,500,000 per year, beginning in FY36.

92144001 Pacheco/Santa Clara Conduit Right of Way Acquisition

The completion of this project is anticipated to increase annual operating costs by approximately $8,000 per year, beginning in FY26.

Appendix D - Operating Cost Impacts

92264001 Vasona Pump Station Upgrade

The completion of this project is anticipated to decrease annual operating costs by approximately $70,000 per year, beginning in FY29.

92304001 Almaden Valley Pipeline Replacement Project

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

92764009 Small Capital Improvements, Raw Water Transmission

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.

93044001 WTP Master Plan Implementation Project

This project number is for master plan work only and has no operating cost impacts.

93084004 Water Treatment Plant Electrical Improvement

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.

93234044 PWTP Residuals Management

The completion of this project is anticipated to have an annual operating cost of approximately $650,000 per year, beginning in FY30.

93284013 STWTP Filter Media Replacement Project

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.

93294051 RWTP FRP Residuals Management Modifications

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

93294057 RWTP Reliability Improvement

The completion of this project is anticipated to increase annual operating costs by approximately $1.4 million per year, beginning in FY29.

93294059 RWTP Ammonia Storage & Metering Facility Upgrade

The completion of this project is anticipated to have an annual operating cost of approximately $85,000 per year, beginning in FY28.

Appendix D - Operating Cost Impacts

93764004 Small Capital Improvements, Water Treatment

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.

94084007 Treated Water Isolation Valves

The completion of this project is anticipated to increase annual operating costs by approximately $21,000 per year, beginning in FY29.

94764006 Small Capital Improvements, Treated Water Transmission

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.

95044001 Distribution Systems Master Plan Implementation Project

This project number is for master plan work only and has no operating cost impacts.

95044002 SCADA Master Plan Implementation Project

This project number is for master plan work and has no operating cost impacts.

95044004 SMPIP Upgrades - Phase 1

Operating cost impacts are not known at this time, initial costs are anticipated to be determined in FY27 when the project is in design.

95084002 10-Year Pipeline Rehabilitation (FY18-FY27)

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.

Appendix D - Operating Cost Impacts

FLOOD PROTECTION

30154019 Lower Guadalupe River Capacity Restoration Project

Completion of this project is not anticipated to increase or decrease annual operating costs, as the project restores the level of service of the facility so current modes of operation can continue.

10244001 Permanente Creek, SF Bay to Foothill Expressway

See project number 26244001 for this project's operating cost impacts.

10394001 Palo Alto Flood Basin Tide Gate Structure Replacement

Annual operating cost impacts are anticipated to remain at approximately $20,000 per year, beginning in FY27.

40174005 Berryessa Ck, Lower Penitencia Ck to Calaveras Blvd Phs 2

The completion of this project is anticipated to increase annual operating cost by approximately $250,000 per year, beginning in FY24.

40334005 Lower Penitencia Ck Improvements, Coyote Ck to Berryessa Ck.

The completion of this project is anticipated to increase annual operating costs by approximately $270,000 per year, beginning in FY26.

50284010 Llagas Creek–Lower, Capacity Restoration, Buena Vista Road to Pajaro River

Operating costs will be determined during the design phase.

62084001 Watersheds Asset Rehabilitation Program (WARP)

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.

26444004 San Francisco Bay Shoreline, EIAs 5-9

No operating cost impacts are anticipated for this project, as it is only funded for the planning phase.

26074002 Sunnyvale East and West Channels

The completion of this project is anticipated to increase annual operating costs by approximately $210,000 per year, beginning in FY29.

26154002 Guadalupe Rv–Upper, I-280 to SPRR (R6)

The completion of this project is anticipated to increase annual 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.

Appendix D - Operating Cost Impacts

26154003 Guadalupe Rv–Upper, SPRR-Blossom Hill (R7-12)

The completion of this project is anticipated to reduce maintenance requirements and decrease annual operating costs.

26174041 Berryessa Ck, Calaveras-I-680 - Corps

The completion of this project is anticipated to increase annual operating costs by approximately $153,000 per year, beginning in FY24.

26174043 Coyote Creek, Montague Expressway to Tully Road (E1)

The completion of this project is anticipated to increase annual operating costs by approximately $770,000 per year beginning in FY28 to FY30 and $1,200,000 per year beginning in FY31.

26174051 Llagas Creek–Upper, Reimbursable (E6b)

This project number is for tracking reimbursable work and has no operating cost impacts.

26174052 Llagas Creek–Upper, Corps Coordination (E6a)

See Project Number 26174055 for this project's operating costs.

26174054 Llagas Creek–Upper, Design

This project number is for design work and has no operating cost impacts.

26174055 Llagas Creek-Upper, Phase 2B Construction

The completion of this project is anticipated to increase annual operating costs by approximately $1,500,000 per year, beginning in FY26.

26244001 Permanente Ck, Bay to Foothill Expwy - Clean, Safe Creeks Fund

The completion of this project is anticipated to increase annual operating costs by approximately $250,000 per year, beginning in FY24.

26284002 San Francisquito Creek - San Francisco Bay to Searsville Dam (E5)

The completion of this project is anticipated to increase annual operating costs by approximately $250,000 per year, beginning in FY29.

26324001 Upper Penitencia Ck, Coyote Ck-Dorel Dr, Corps (E4)

No operating cost impacts are anticipated from this project, as it is only funded for the planning and design phases.

26444002 San Francisco Bay Shoreline - EIAs 1-4

No operating cost impacts are anticipated from this project, as it is only funded for the planning phase.

Appendix D - Operating Cost Impacts

WATER RESOURCES STEWARDSHIP

40214023 Coyote 10B Freshwater Wetlands

The completion of this project is anticipated to increase annual operating costs by approximately $9,000 per year, beginning in FY30.

20444002 Pond A4 Resilient Habitat Restoration

No operating cost impacts are anticipated from this project, as it is only for the planning, design and permitting phase effort.

20444001 Calabazas/San Tomas Aquino Creek-Marsh Connection

No operating cost impacts are anticipated from this project, as it is only funded for the planning and design phases.

26044056 SCW Regnart Creek Rehabilitation Project (F8)

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

26044004 Bolsa Road Fish Passage Improvement

The completion of this project is anticipated to increase annual operating costs by approximately $30,000 per year, beginnning in FY28.

26044002 SCW Fish Passage Improvements (D4.3)

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.

26164001 Hale Creek Enhancement Pilot Study (D6)

The completion of this project is anticipated to increase annual operating costs by approximately $10,000 per year, beginning in FY26.

26044005 SCW D4.3 Fish Passage Improvements (Moffett)

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

26044003 Ogier Ponds Separation from Coyote Creek (D4.2)

No operating cost impacts are anticipated from this project, as it is only funded for the planning and design phases.

91864011 Coyote Percolation Dam Phase 2

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

Appendix D - Operating Cost Impacts

BUILDING & GROUNDS

60204016 Small Capital Improvements, Facility Management

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.

60204022 Security Upgrades & Enhancements

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

60204032 Headquarters Operations Building

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

Appendix D - Operating Cost Impacts

INFORMATION TECHNOLOGY

95274003 Small Capital Improvements, WU Computer Network Modernization

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.

73274013 ERP Replacement

Operating costs will be determined during the planning phase.

73274008 Small Capital Projects, Software Upgrades & Enhancements

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.

73274009 Data Consolidation

Completion of this project will require a software license agreement which is anticipated to increase annual operating costs by approximately $100,000 per year, beginning in FY26.

Appendix E - 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.

ARRA American Recovery and Reinvestment Act

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, upgrades, replacements, expansions, 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 (COP)
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

CFS Cubic Feet-Per-Second

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

DWR State Department of Water Resources

EIA Economic Impact Analysis

EIR Environmental Impact Report

Encumbrances
Commitments related to unperformed (executory) contracts for goods or services. Encumbrances represent

Appendix E - Glossary

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 though 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.

EPA Environmental Protection Agency

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.

FAHCE Fisheries and Aquatic Habitat Collaborative Effort

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 voters. Safe, Clean Water Projects may have multiple KPIs and each KPI may result in separate or multiple projects within the Capital Improvement Program.

LERRD Lands, Easements, Rights-of-Way, Relocation, and Disposal

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.

Appendix E - Glossary

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 occuring 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 components. The American Waterworks Association (AWWA) says that these 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 a 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.

Revenue 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 entiret. The renewed Safe, Clean Water came into effect 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. Note that the schedules shown in the CIP Five-Year Plan for SCW projects are based on planned expenditures, while SCW Annual Reports reflect schedules that are based upon milestone completion. Please visit https://www.valleywater.org/safe-clean-water-and-natural-flood-protection-program for additional information regarding the capital projects under the SCW Program and for information regarding the SCW Program's Change Control Process, Annual Reports, and Independent Monitoring Committee Review.

SMP Stream Maintenance Program

WIFIA Water Infrastructure Finance and Innovation Act

WTP Water Treatment Plant

WQL Water Quality Lab

Valley Water

Clean Water • Healthy Environment • Flood Protection

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