# Water Supply

# Water Supply Capital Improvements

## WATER SUPPLY OVERVIEW

Valley Water manages and operates a complex, 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 depletion of the groundwater basin and prevent subsidence, followed by pipelines and treatment plants to bring in state and federal water to meet the county's growing water demands.

In the early 1990s, Valley Water embarked on new and challenging capital improvements to upgrade its three drinking water treatment plants to meet new Environmental Protection Agency rules for improved water quality required by the 1996 amendments to the Safe Drinking Water Act. Fifteen years of effort and capital investment brought the upgrades at the 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 and construct new flocculation, 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 10 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 engineering analyses of how the dams would perform under a major seismic event are completed and appropriate corrective actions are implemented.

On November 26, 2010, the Board was informed that Anderson Dam would require a seismic retrofit and that the operating restriction would be increased to 45 feet below the crest of the dam. Since that briefing, a consultant has determined that a magnitude 7.2 Maximum Credible Earthquake on the nearby Calaveras Fault could cause deformation (slumping) of the dam crest of up to 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 that would augment the existing outlet.

Valley Water completed a seismic stability evaluation of Almaden, Calero, and Guadalupe Dams in late 2010. Almaden Dam was found to be seismically stable; however, both Calero and Guadalupe Dams will require seismic retrofitting to meet DSOD performance criteria. A project was initiated in fiscal year 2013 to address the Calero and Guadalupe Dams retrofit needs. A separate capital project

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to address outlet and spillway improvements at Almaden Dam, the Almaden-Calero Canal Rehabilitation project 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 for nine of Valley Water's 10 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 executed.

## *Major Capital Improvements Identified in the CIP*

On November 12, 2025, the Valley Water Board of Directors adopted the Water Supply Master Plan (WSMP) 2050. This plan serves as a roadmap for how the agency will invest in water projects for the future. It outlines investment strategies for potential projects over the next decade to ensure that the community maintains a safe and reliable water supply.

The key driver for Water Supply projects in the CIP is the WSMP, which includes three strategies to ensure sustainability: securing existing supplies and infrastructure, expanding conservation and reuse, and optimizing the use of existing supplies and infrastructure.

In alignment with the WSMP, 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. Listed below are the Water Supply capital projects included in the CIP Final FY 2027-31 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
- Calero and Guadalupe Dams Seismic Retrofits - Planning
- Calero Dam Seismic Retrofit - Design & Construction
- Guadalupe Dam Seismic Retrofit - Design & Construction
- Coyote Dam Seismic Stability
- Coyote Pumping Plant ASD Replacement
- Dam Seismic Stability Evaluations
- 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 Reliability Improvement
- Rinconada WTP Liquid Ammonium Sulfate Facility
- Small Capital Improvements, Water Treatment
- Santa Teresa WTP Infrastructure Rehabilitation
- WTP Electrical Improvement
- WTP Master Plan Implementation

### *Recycled & Purified Water Facilities*

- Pure Water Silicon Valley - Phase 1
- Pure Water Silicon Valley - Full-Scale Direct Potable Reuse (DPR) Facility
- Land Rights - South County Recycled Water Pipeline
- South County Recycled Water Pipeline

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### *Capital Investments Not Included in the CIP*

Valley Water contributions to water infrastructure capital investments led by external agencies are not included in the CIP Final FY 2027-31 Five-Year Plan. While not included in the CIP, these investments are evaluated in the Water Supply Master Plan (WSMP) 2050 and are budgeted and forecasted through operating projects. They are also reflected in the financial modeling that is analyzed during the development of the CIP Five-Year Plan. These investments include:

- Sisk Dam Raise project
- Delta Conveyance project
- Sites Reservoir project

Additionally, to ensure consistency with Valley Water's various planning efforts, CIP staff continue coordinating with water supply planning staff. The WSMP 2050 assumes that capital projects included in the Five-Year Plan, which repair or replace existing infrastructure, are a baseline for inclusion in its planning efforts.

### *Operations and Maintenance Costs*

New capital projects have an impact on future operations and maintenance costs, 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 jurisdictions for review, conducts a public hearing, and apdopts the resolution approving 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, it 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 County 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 Zone 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 Zone; therefore, 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 was presented with a number of water charge scenarios on January 13, 2026. The annual Protection and Augmentation of Water Supplies Report (PAWS) outlines the staff-proposed municipal and industrial (M&I) groundwater production charge increases for FY 2026-27: 9.1% in North County Zone W-2, 6.6% in South County Zone W-5, 9.4% in South County Zone W-7, and 8.0% in 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 $579.4 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 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 by one year or more, or there are changes to project scope. Listed below are the changes to projects from the CIP Adopted FY 2026-30 Five-Year Plan:

### *Capital Improvement Project Updates*

- The Almaden Dam Improvements project increased in cost by $3.03 million due to a transfer of prior-year encumbered funds with URS Corporation (Consultant), from the Almaden-Calero Canal Rehabilitation project (AC Canal project, Project No. 91854003) to the Almaden Dam Improvements project (ADIP, Project No. 91854001). The consultant is no longer providing services for the AC Canal Project, and unspent agreement funds associated with the AC Canal Project were administratively reallocated within the agreement for ADIP use.
- The Almaden-Calero Canal Rehabilitation project overall schedule remains the same; however, the Design phase has been extended by six months to ensure consistency with the approved Design Phase Work Plan. The project decreased in cost by $1.39 million to reflect two actions: 1) The transfer of encumbered funds back to the Almaden Dam Improvements Project Number (91854001) 2) Updated expenditures for preliminary design estimates that account for higher construction costs, required environmental mitigation fees, and additional engineering services during construction.
- The Dam Seismic Stability Evaluations project decreased in cost by $204 thousand due to the application of updated inflation factors. The addition of Valley Water labor resources allocated for planning supports continued evaluations of Chesbro Dam.
- The Calero and Guadalupe Dams Seismic Retrofits – Planning project scope has been modified due to significant project and design changes. The agreement with GEI Consultants, Inc. required additional scope to complete an Environmental Impact Report (EIR) and updated technical studies for the Calero Dam Seismic Retrofit Project and Guadalupe Dam Seismic Retrofit Project, in compliance with the California Environmental Quality Act (CEQA). Additionally, the original agreement did not include scope for the National Environmental Policy Act (NEPA) documentation preparation and compliance, which is necessary to complete for each project prior to construction. The overall project schedule remains the same; however, the end date for the planning phase has been updated to reflect the fiscal year in which the planning-to-design transition reports were completed for each project. The project increased in cost by $4.62 million due to a consultant agreement amendment to continue providing support for environmental planning and regulatory permitting and compliance for both the Calero Dam Seismic Retrofit Project and Guadalupe Dam Seismic Retrofit Project.
- The Anderson Dam Seismic Retrofit (C1) project schedule remains the same; however, the proposed end date for design has been extended to account for the final application fee payment to the California Department of Water Resources, Division of Safety of Dams (DSOD), for the repair of Anderson Dam. Additionally, the end date for the Right-of-Way phase has also been extended and reflects acquisitions (easements and fee title) needed by year two of construction. The project increased in cost by $56.45 million due to a rise in the Construction phase, partially offset by a reduction in the Pre-Construction phases. The expenditure change to the construction management services agreement resulted from extensive discussions and negotiations regarding the construction management scope of services and associated costs. Other estimated cost changes include increases to the consultant services agreement for engineering support during construction, labor resources needed to support the project through construction completion, a new consultant services agreement for an owner-controlled insurance program, utility-related costs, and a reallocation of expenditures among Construction phase tasks.
- The Anderson Dam Tunnel project schedule has been reduced by nine months. Valley Water issued Contract Document Clarifications (CDC) to address design changes to the final concrete tunnel lining, which encompass the procurement and installation of rebar for articulated joints and the continuous lining; fabrication and installation of all required formwork; concrete work for encasement of articulated joints and the continuous lining; curing and removal of formwork;

and finishing of the concrete surface. The project increased in cost by $12.26 million due to the revised Expenditure Plan incorporating schedule adjustments, updated Valley Water labor estimates necessary to support construction completion and project close-out, and an amended consultant agreement for construction management services approved by the Valley Water Board of Directors on June 25, 2025.

- The Coyote Creek Flood Management Measures project schedule remains the same; however, the Right-of-Way phase has been extended. The project decreased in cost by $6.08 million due to the reduction of Construction expenditures as a result of the contractor's bid coming in lower than anticipated, allowing Valley Water to reduce overall project costs. Final settlement amounts on a few remaining easements are currently being negotiated as part of eminent domain actions, and additional real estate expenses have been included to account for the anticipated settlements. The actual settlement values for these easements are not yet known, as discussions among external counsel, real estate appraisers, attorneys, and courts are ongoing; however, a conservative estimate has been incorporated into the current budget request.
- The Coyote Creek Chillers project schedule has been extended due to cumulative delays from design coordination, RFI resolution, procurement lead times for critical equipment, field rework required to address unforeseen site conditions, restricted work windows due to plant operations, and construction delays. These factors impacted and shifted the critical path and required additional time to complete construction, testing, and commissioning. The project increased in cost by $3.97 million due to the extended construction duration, updated Time Impact Analysis (TIA) #2, additional labor and equipment expenses, prolonged construction management support, and higher material prices resulting from delayed procurement and schedule setbacks.
- The Coyote Percolation Dam Replacement project schedule has been extended by one year due to delays in PG&E's installation of power improvements. There is no change to the project cost, only a reallocation of expenditures to match the revised schedule.
- The Calero Dam Seismic Retrofit - Design & Construction project schedule remains the same; however, the Right-of-Way completion date has been extended to align with the updated design phase timeline. The project decreased in cost by $4.05 million due to a reallocation of expenditures between fiscal years, resulting in an adjustment to the annual inflation calculations. Additionally, there was a reassessment of environmental labor expenses to refine cost estimates, including costs associated with environmental engagement and monitoring, as well as adjustments in construction supervision and Computer-Aided Design and Drafting (CADD) Unit costs to ensure the budget accurately reflects current market conditions and project requirements. Projected Right-of-Way costs may increase further as negotiations and cost discussions with affected entities are finalized.
- The Coyote Dam Seismic Stability project decreased in cost by $6.34 million due to adjustments in Valley Water labor resources, as well as a revised timeline for Board approval of the planning consultant agreement.
- The Guadalupe Dam Seismic Retrofit - Design & Construction project overall schedule remains the same, but the Right-of-Way completion date has been extended to align with the projected completion of the Design phase, consequently delaying the start of construction. The project increased in cost by $5.36 million due to a reassessment of environmental labor costs, additional costs for environmental engagement and monitoring incorporated into Construction Package A, reassessment of Valley Water supervision requirements for the construction contract, and a change in the project delivery strategy, which has resulted in higher design costs. Additionally, projected costs for the Right-of-Way phase may increase further as negotiations and discussions with affected entities are finalized. The Guadalupe Dam retrofit will now proceed through two separate construction packages: Package A, which includes the embankment, spillway, and rehabilitation of the existing outlet pipe riser; and Package B, which covers construction of the new outlet works.
- The Pacheco Reservoir Expansion project was suspended by the Valley Water Board of Directors on August 26, 2025. Valley Water staff and consultants are proceeding with the project close-out. The project schedule has been reduced by 10 years and six months and the project decreased in cost by $2.59 billion as a result. The expenditure plan has been updated to remove expenditures in future years. Also, a reduction to FY26 expenditures is anticipated and will be reflected in a forthcoming Change Management Memo following FY26 year-end close.

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- The Penitencia Delivery Main and Force Main Inspection & Rehabilitation project scope has been modified due to the project's condition assessment conducted in coordination with Operations and Maintenance, in which additional scope was identified to replace equipment that has reached the end of its useful life. The project increased in cost by $1.74 million due to an updated engineer's estimate, which includes the additional scope identified during the Design phase and anticipated higher contractor overhead costs associated with the project's procurement strategy.
- The Santa Teresa Force Main Inspection & Rehabilitation project scope has been modified due to the project's condition assessment conducted in coordination with Operations and Maintenance, in which additional scope was identified to replace equipment nearing the end of its useful life. The overall project schedule remains the same, but the Design phase has been extended to accommodate the additional scope, while the construction contract duration has been reduced to address staff resource constraints and updated material lead times. The project increased in cost by $6.98 million due to an increase in Design costs for the additional scope identified during the condition assessment and an increase in construction costs based on the updated engineer's estimate, which accounts for the expanded scope and higher contractor overhead costs anticipated under the project's material procurement strategy.
- The East Pipeline Inspection & Rehabilitation project scope has been modified and is being consolidated into a single construction contract. The project schedule has been reduced by 1 year and 10.5 months to reflect the modified scope. The project decreased in cost by $1.94 million due to the reallocation of expenditures between fiscal years, resulting in an adjustment of the annual inflation calculations. The adjustment of planned expenditures was made to align with the revised scope and schedule.
- The Vasona Pump Station Upgrade project schedule has been extended by four years and 11 months due to adjustments implemented to address staff resource constraints and the reassignment of the project from Unit 376 to Unit 385. Additionally, the project schedule has been revised to align with the Pipeline Maintenance Program's long-term planned shutdowns for the Almaden Valley and Central Pipelines, as outages for the Almaden Valley Pipeline and Central Pipeline are required to complete valve replacements that will enable downstream pump station upgrades. The project increased in cost by $3.39 million due to the reallocation of expenditures between fiscal years, resulting in an adjustment to the annual inflation calculations.
- The Almaden Valley Pipeline Replacement project is a 21-year project plan that was initiated in FY20 and extends to FY41, extending beyond the 15-year Capital Improvement Program (CIP) window. With each rollover period, the CIP incorporates the upcoming fiscal year and associated planned expenditures from the original Project Plan. The project schedule has been extended by one year due to the addition of FY41. The project increased in cost by $69.83 million due to the addition of planned expenditures for FY41 into the 15-year projection window and updated construction expenditures for Phase 1 and Phase 2, which were identified during the final design of Phase 1. The revisions reflect changes to the tasks required to meet project objectives and contribute to the increase, including updated information on quality control requirements, specialized construction methods, and scheduling constraints. Additionally, Phase 1 bid results were approximately 30% above the Engineer's Estimate.
- The Distribution Systems Master Plan Implementation project overall schedule remains the same, but the Planning Phase has been extended to include project management tasks and to align the Planning Phase with the Environmental Phase. The project cost has increased by $10 thousand due to the reallocation of expenditures between fiscal years, resulting in an adjustment to the annual inflation calculations. The reallocation of tasks better reflects historic burn rates in FY26 and accurately captures project management tasks.
- The SCADA Master Plan Implementation project has increased in cost by $21 thousand due to the reallocation of expenditures between fiscal years, resulting in an adjustment to the annual inflation calculations. The reallocation of expenditures helped accommodate a lengthier-than-planned platform selection process and its impact on subsequent tasks. Environmental planning efforts were also reduced, as recommended by Valley Water's Environmental Planning Support Team.
- The SMPIP Upgrades - Phase 1 project scope has been modified to incorporate additional priority SCADA control system improvements identified during planning and further developed for transition into design and construction. The scope was originally established

to provide the resources necessary to perform the SCADA communications and control center improvements recommended in the SCADA Master Plan Implementation Project's (95044002) early implementation planning work. The project schedule has been extended by one year to align with the progress of the SCADA Master Plan Implementation Project (95044002). The project cost has decreased by $998 thousand due to the reallocation of expenditures between fiscal years, resulting in an adjustment to the annual inflation calculations.

- The PWTP Residuals Management project scope has been modified to include additional measures to integrate the project with the on-site solar field. The overall project schedule remains the same, but the Design Phase has been extended to account for the time necessary to finalize the letter of agreement with GL Renewables, LLC, Valley Water's solar energy vendor. Additionally, the Environmental Phase was corrected to align with the completion of the CEQA document. Lastly, the Construction Phase was reduced by one year. The project cost increased by $36.27 million due to the modified scope, which includes a revised engineer's estimate for 100% Design and the actual cost of the Contractor's Bid for construction, a 15% construction contingency, additional engineering services necessary to support the integration of this project with the on-site solar field and the Letter of Agreement with GL Renewables, LLC, as well as rising costs for raw materials (plastics, metals) and construction labor due to market conditions, supply chain issues, and tariffs.
- The WTP Master Plan Implementation project scope has been modified as a result of the selection of optional program management services. The scope originally focused on the development of the Water Treatment Plant Master Plan and Implementation Plan, but also included optional provisions to extend the selected consultant for program management services to support the transition from the planning phase to implementation of the master plan's recommended capital projects. The project schedule has been extended by five years due to the amendment to the consultant agreement to include program management services for a period of five years. These services are necessary to ensure a smooth transition from planning into the Capital Improvement Program for the delivery of capital projects identified in the first ten-year window of the Implementation Plan. The project cost has increased by $7.80 million due to the modified scope, which will require additional funds to support Valley Water labor and consultant costs.
- The Water Treatment Plant Electrical Improvement project schedule has been extended by one year and one month due to unanticipated reduced staffing resources which caused delays in the project, resulting in the project being placed on hold at the end of March 2024. The project cost increased by $140 thousand due to the reallocation of expenditures between fiscal years, resulting in an adjustment to the annual inflation calculations.
- The RWTP Reliability Improvement project cost has decreased by $1.89 million due to the adjustment of annual spending allocations across fiscal years to revert to the previously approved planned expenditures, as a more recent forecast determined that no additional funds were needed for FY26.
- The RWTP Liquid Ammonium Sulfate Facility project schedule has been extended by one year due to the request from Operations to switch the chemical type from Aqua Ammonia to Liquid Ammonia Sulfate (LAS). Additionally, it was necessary to align the construction start date with the scheduled completion of the RWTP Reliability Improvement Project. The project cost has increased by $55 thousand due to the reallocation of expenditures between fiscal years, resulting in an adjustment to the annual inflation calculations.
- The Land Rights-South County Recycled Water Pipeline project schedule has been extended by one year due to the additional time necessary to complete land acquisitions. The project cost increased by $147 thousand due to the reallocation of expenditures between fiscal years, resulting in an adjustment to the annual inflation calculations.
- The South County Recycled Water Pipeline - Short-Term Implementation Phase 1B project scope has been modified to include efforts to repackage, bid, award, construct, and close-out the South County Recycled Water Pipeline Phase 1C Project under a new contract. In 2021, Phase 1C of the project was bid and awarded under the South County Recycled Water Pipeline Short-Term Phase 1B/2A/1C/2B Project Contract No. C0668, but Phase 1C was unable to proceed under Contract No. C0668 because easements were not secured in sufficient time. The overall project schedule remains the same, but the Design phase has been extended to

align with the modified scope. The project cost has increased by $2.96 million due to the modified scope, which includes additional Design costs to account for staff time to repackage, bid and award the Phase 1C scope of work under a new contract, additional construction costs to reflect construction bids received and staff time to support the new construction contract, and additional close-out costs to reflect close-out activities for both contracts.

- The South County Recycled Water Pipeline - Short-Term Implementation Phase 2 project cost has increased by $392 thousand due to higher construction material costs. This Project operates under a cost-share agreement with the City of Gilroy and is dependent on their timeline for 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 project costs according to market conditions. These revisions to both schedule and costs result in several minor changes to expected expenditures over the forecasted period.

- Small Capital Improvements, Water Treatment project cost has increased by $59.84 million.
- Small Capital Improvements, San Felipe Reaches 1-3 project cost has increased by $2.70 million.
- Small Capital Improvements, Raw Water Transmission project cost has decreased by $1 million.
- Small Capital Improvements, Treated Water Transmission project cost has decreased by $97 thousand.

### *New Capital Improvement Projects Included*

Two new Water Supply capital projects were approved by the Board for inclusion in the CIP Final FY 2027-31 Five-Year Plan: the Pure Water Silicon Valley - Full-Scale Direct Potable Reuse (DPR) Facility Project and the Santa Teresa Water Treatment Plant Infrastructure Rehabilitation Project.

- The Pure Water Silicon Valley - Full-Scale Direct Potable Reuse (DPR) Facility project will be capable of producing up to 24,000 acre-feet per year (AFY) of purified water originating from the San José-Santa Clara Regional Wastewater Facility. The highly purified water will be distributed by Valley Water and become part of its potable water supply portfolio. The estimated project cost is $2.45 billion, and the project duration is expected to be 10 years.
- The Santa Teresa Water Treatment Plant Infrastructure Rehabilitation project implements WTP facility upgrades to address regulatory-driven changes and aging infrastructure repair or replacement, meet reliability standards, improve sustainability, and achieve other operational improvements. The estimated project cost is $242.67 million and the project duration is expected to last eight years.



# 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 table also identifies partially funded projects and the estimated unspent appropriation from FY 2025-26.

**Water Supply - Funding Schedule ($K)**

| Project Number | PROJECT NAME | | Through FY25 | FY26* | FY26 Unspent | FY27 | FY28 | FY29 | FY30 | FY31 | FY32-41 | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **STORAGE FACILITIES** | | | | | | | | | | | |
| 91854001 | Almaden Dam Improvements | | 9,538 | 4,264 | - | 157 | 164 | 172 | 20,795 | 6,439 | - | 41,528 |
| 91854003 | Almaden Calero Canal Rehabilitation | | 6,023 | 1,209 | 4,148 | 14,531 | 1,094 | 48 | - | - | - | 22,906 |
| 91864005 | Anderson Dam Seismic Retrofit (C1) | | 257,882 | 24,183 | 1,502 | 157,350 | 169,062 | 202,542 | 233,431 | 261,172 | 719,681 | 2,025,304 |
| 91864006 | Anderson Dam Tunnel | | 251,618 | 42,682 | 5,328 | 13,213 | - | - | - | - | - | 307,513 |
| 91864007 | Coyote Creek Flood Management Measures | | 114,592 | - | 20,782 | - | - | - | - | - | - | 114,592 |
| 91864008 | Coyote Creek Chillers | | 28,472 | 4,282 | - | 11 | - | - | - | - | - | 32,765 |
| 91864009 | Coyote Percolation Dam Replacement | | 17,736 | - | - | - | - | - | - | - | - | 17,736 |
| 91084020 | Calero and Guadalupe Dams Seismic Retrofits - Plannina | | 12,807 | - | 622 | 2,552 | 3,020 | - | - | - | - | 18,379 |
| 91874004 | Calero Dam Seismic Retrofit - Design & Construction | | 16,813 | 7,240 | - | 5,218 | 12,372 | 40,306 | 40,626 | 35,767 | 40 | 158,383 |
| 91894002 | Guadalupe Dam Seismic Retrofit - Design & Construction | | 11,355 | 4,338 | - | 5,204 | 5,126 | 11,872 | 38,888 | 39,218 | 30,068 | 146,069 |
| 91884003 | Coyote Dam Seismic Stability | | - | 867 | 411 | 2,640 | 1,804 | 3,225 | 2,131 | 2,830 | 386,640 | 400,137 |
| 91234002 | Coyote Pumping Plant ASD Replacement | | 47,743 | 1,047 | - | 1,128 | - | - | - | - | - | 49,918 |
| 91084019 | Dam Seismic Stability Evaluations | | 23,496 | - | 53 | 36 | 93 | 4,339 | 419 | 438 | 938 | 29,758 |
| 91214010s | Small Capital Improvements, San Felipe Reaches 1-3 | n/a | | 5,456 | - | 5,922 | 9,710 | 6,112 | 6,393 | 6,687 | 7,711 | 47,990 |
| 91954002 | Pacheco Reservoir Expansion Project | | 144,616 | 1,427 | - | - | - | - | - | - | - | 146,043 |
| | **TRANSMISSION FACILITIES** | | | | | | | | | | | |
| 95084002 | 10-Year Pipeline Inspection & Rehabilitation (FY18-FY27) | | 160,191 | 20,254 | - | 2,453 | 328 | - | - | - | - | 183,225 |
| 95084003 | Pipeline Maintenance Program | | - | 627 | - | 523 | 218 | 114 | 120 | - | - | 1,603 |
| 95084004 | East Pipeline Inspection & Rehabilitation | | - | 1,992 | - | 11,475 | 985 | - | - | - | - | 14,452 |
| 95084005 | Penitencia Delivery Main and Force Main Inspection & Rehabilitation | | - | 1,780 | - | 5,051 | 164 | - | - | - | - | 6,994 |
| 95084006 | Santa Teresa Force Main Inspection & Rehabilitation | | - | 587 | - | 7,669 | 1,638 | 510 | - | - | - | 10,404 |
| 95084007 | Milpitas Pipeline Inspection & Rehabilitation | | - | 617 | - | 1,152 | 1,921 | 11,248 | 359 | - | - | 15,297 |
| 95084008 | Santa Clara and Campbell Distributary Inspection & Rehabilitation | | - | - | - | 575 | 602 | 916 | 10,036 | - | - | 12,129 |
| 92304001 | Almaden Valley Pipeline Replacement | | 5,395 | 3,199 | - | 44,381 | 33,552 | 23,009 | 2,298 | 2,439 | 59,119 | 173,390 |
| 95044001 | Distribution System Master Plan Implementation | | 8,532 | 634 | 331 | 142 | - | - | - | - | - | 9,307 |
| 92C40357 | FAHCE Implementation | | - | - | - | - | 4,739 | 4,379 | 14,691 | 14,690 | 106,609 | 145,108 |
| 26764001 | IRP2 Additional Line Valves (A3) | | 16,856 | 10,809 | - | 5,531 | 485 | 105 | - | - | - | 33,786 |
| 92144001 | Pacheco/Santa Clara Conduit Right-of-Way Acquisition | | 6,141 | 55 | - | 38 | - | - | - | - | - | 6,235 |
| 95044002 | SCADA Master Plan Implementation | | 5,759 | 510 | 674 | 233 | - | - | - | - | - | 6,501 |
| 95044004 | SMPIP Upgrades - Phase 1 | | 586 | - | 586 | - | 448 | 1,385 | 1,286 | 1,233 | 4,478 | 9,416 |
| 94764006 | Small Capital Improvements, Treated Water Transmission | n/a | | 292 | - | 292 | 310 | 39 | 73 | 50 | 132 | 1,188 |
| 92764009 | Small Capital Improvements, Raw Water Transmission | n/a | | 1,100 | - | 1,430 | 819 | 744 | 778 | 814 | 4,666 | 10,352 |
| 94084007 | Treated Water Isolation Valves | | 3,891 | 2,531 | - | 807 | 2,328 | 2,969 | 229 | - | - | 12,755 |
| 92264001 | Vasona Pump Station Upgrade | | 5,921 | 1,698 | 2,585 | - | 143 | 934 | 25,771 | 1,604 | 2,520 | 38,590 |
| | **TREATMENT FACILITIES** | | | | | | | | | | | |
| 93234044 | PWTP Residuals Management | | 15,017 | 15,788 | - | 34,408 | 41,256 | 14,160 | 11,001 | - | - | 131,630 |
| 93294057 | RWTP Reliability Improvement | | 374,909 | 112,849 | - | 124,411 | 62,782 | 43,704 | 144 | - | - | 718,799 |
| 93294059 | RWTP Liquid Ammonium Sulfate Facility | | 1,107 | 527 | 934 | 43 | 2,748 | 2,404 | - | - | - | 6,829 |
| 93764004 | Small Capital Improvements, Water Treatment | n/a | | 13,186 | - | 9,055 | 6,544 | 6,614 | 4,718 | 16,358 | 93,252 | 149,727 |
| 93284014 | STWTP Infrastructure Rehabilitation | | - | - | - | 1,628 | 5,830 | 6,133 | 6,396 | 48,744 | 173,937 | 242,669 |
| 93084004 | Water Treatment Plant Electrical Improvement | | 4,610 | 648 | 2,162 | 103 | 6,082 | 4,796 | 3,250 | 32 | - | 19,520 |
| 93044001 | WTP Master Plan Implementation | | 8,978 | 272 | 123 | 1,237 | 1,532 | 1,602 | 1,676 | 1,754 | - | 17,051 |
| | **RECYCLED & PURIFIED WATER FACILITIES** | | | | | | | | | | | |
| 91294001 | Pure Water Silicon Valley - Phase 1 | | 9,294 | 7,394 | - | 16,256 | 30,384 | 34,931 | 8,189 | 313 | - | 106,762 |
| 91294002 | Pure Water Silicon Valley - Full-Scale Direct Potable Reuse (DPR) Facility | | - | - | - | 1,877 | 2,045 | 40,096 | 81,451 | 20,468 | 2,302,988 | 2,448,924 |
| 91094001 | Land Rights - South County Recycled Water PL | | 6,825 | 152 | 3,201 | 147 | - | - | - | - | - | 7,124 |
| 91094007s | South County Recycled Water Pipeline | | 59,946 | 3,425 | - | 90 | - | - | - | - | - | 63,460 |
| | **TOTAL** | | 1,636,648 | 297,919 | 43,442 | 478,969 | 410,331 | 469,408 | 515,147 | 461,048 | 3,892,777 | 8,162,245 |

**FY 2026 Adjusted Budget includes adopted budget plus budget adjustments*

*FY 2025-26 Funds to be reappropriated*

# Water Supply Capital Improvements

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

**Water Supply - Funding Sources ($K)**

| Fund Number | FUND NAME | Through FY25 | FY26* | FY26 Unspent | FY27 | FY28 | FY29 | FY30 | FY31 | FY32-41 | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 61 | Water Utility Enterprise Fund | 1,619,791 | 287,110 | 43,442 | 473,438 | 409,846 | 469,303 | 515,147 | 461,048 | 3,892,777 | 8,128,459 |
| 26 | Safe, Clean Water and Natural Flood Protection Fund | 16,856 | 10,809 | - | 5,531 | 485 | 105 | - | - | - | 33,786 |
| | TOTAL | 1,636,648 | 297,919 | 43,442 | 478,969 | 410,331 | 469,408 | 515,147 | 461,048 | 3,892,777 | 8,162,245 |

*FY 2025-26 Funds to be reappropriated*

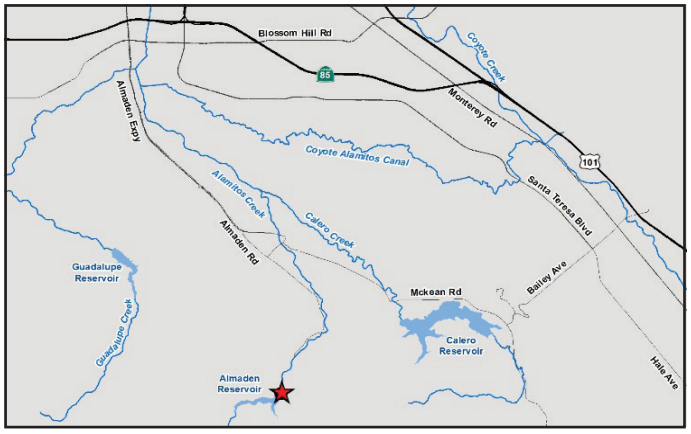
# Storage Facilities



| 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 a portion 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 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 | FY 32 | FY 33 | FY 34 | FY 35 | FY 36 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Planning | 4,804 | | | | | | | | | | | |
| Enviro | 658 | | | | | | | | | | | |
| Design | 8,707 | | | | | | | | | | | |
| Construct | 21,838 | | | | | | | | | | | |
| Closeout | 4 | | | | | | | | | | | |
| | **36,099** | Total project cost may include expenditures not yet allocated to a specific phase. | | | | | | | | | | |

## EXPENDITURE SCHEDULE

(in thousands $)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|
| **Project** | **FY25** | **FY26** | **FY27** | **FY28** | **FY29** | **FY30** | **FY31** | **Future** | |
| 91854001-Almaden Dam Improvements | 13,655 | 146 | 157 | 150 | 150 | 16,690 | 5,151 | 0 | 36,099 |
| with inflation | 13,655 | 146 | 157 | 164 | 172 | 20,795 | 6,440 | 0 | 41,528 |
| Actuals include project expenditures and encumbrances. | | | | | | | | | |

## FUNDING SCHEDULE

(in thousands $)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|
| **Project** | **FY25** | **FY26** | | **FY27** | **FY28** | **FY29** | **FY30** | **FY31** | **Future** | |
| 91854001-Almaden Dam Improvements | 9,538 | 4,264 | 0 | 157 | 164 | 172 | 20,795 | 6,440 | 0 | 41,528 |
| Adjusted Budget includes adopted budget plus approved budget adjustments. | | | | | | | | | | |

## FUNDING SOURCES

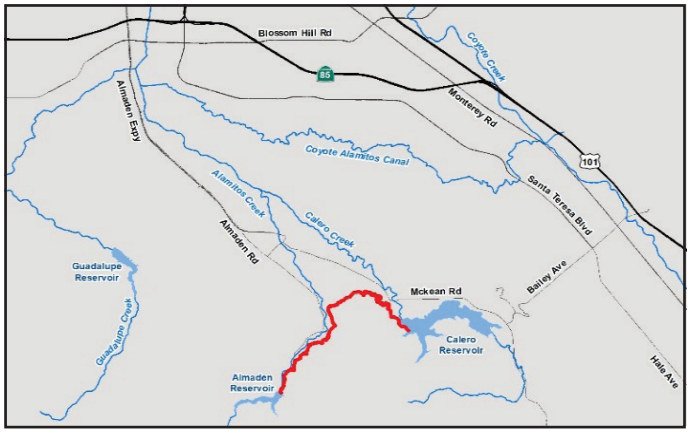
(in thousands $)

| | |
|---|---|
| SCVWD Water Utility Enterprise Fund | 41,528 |
| Other Funding Source | 0 |
| **Total** | **41,528** |

| 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 Location

## 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 an aggregate base wearing course
- Replace the existing drains for the siphons to ensure they 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

April 2025 to December 2028

| Phase | Cost | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 | FY 32 | FY 33 | FY 34 | FY 35 | FY 36 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Planning | - | | | | | | | | | | | |
| Enviro | 1,038 | | | | | | | | | | | |
| Design | 2,466 | | | | | | | | | | | |
| Construct | 19,260 | | | | | | | | | | | |
| Closeout | 42 | | | | | | | | | | | |
| | **22,806** | Total project cost may include expenditures not yet allocated to a specific phase. | | | | | | | | | | |

## EXPENDITURE SCHEDULE

(in thousands $)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|
| **Project** | **FY25** | **FY26** | **FY27** | **FY28** | **FY29** | **FY30** | **FY31** | **Future** | |
| 91854003-Almaden-Calero Canal Rehabilitation | 1,545 | 1,540 | 18,679 | 1,000 | 42 | 0 | 0 | 0 | 22,806 |
| with inflation | 1,545 | 1,540 | 18,679 | 1,094 | 48 | 0 | 0 | 0 | 22,906 |
| Actuals include project expenditures and encumbrances. | | | | | | | | | |

## FUNDING SCHEDULE

(in thousands $)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|---|
| **Project** | **FY25** | **FY26** | | **FY27** | **FY28** | **FY29** | **FY30** | **FY31** | **Future** | |
| 91854003-Almaden-Calero Canal Rehabilitation | 6,023 | 1,209 | 4,148 | 14,531 | 1,094 | 48 | 0 | 0 | 0 | 22,906 |
| Adjusted Budget includes adopted budget plus approved budget adjustments. | | | | | | | | | | |

## FUNDING SOURCES

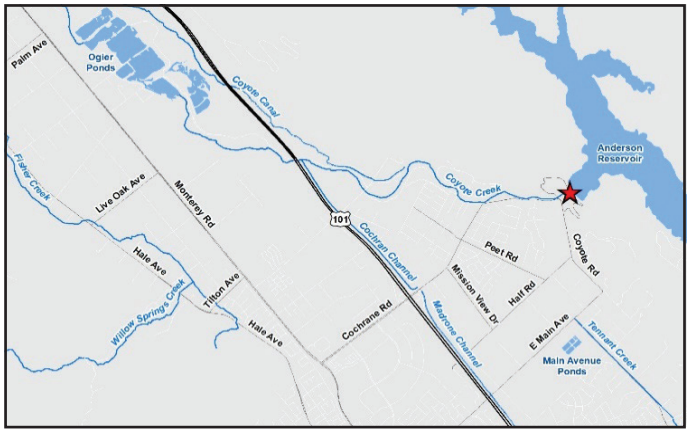
(in thousands $)

| | |
|---|---|
| SCVWD Water Utility Enterprise Fund | 22,906 |
| Other Funding Source | 0 |
| **Total** | **22,906** |

| 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 Location

## 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 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 | FY 32 | FY 33 | FY 34 | FY 35 | FY 36 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Planning | 16,461 | | | | | | | | | | | |
| Enviro | 98,489 | | | | | | | | | | | |
| Design | 172,712 | | | | | | | | | | | |
| Construct | 1,594,936 | | | | | | | | | | | |
| Closeout | 1,101 | | | | | | | | | | | |
| | **1,890,838** | Total project cost may include expenditures not yet allocated to a specific phase. | | | | | | | | | | |

## EXPENDITURE SCHEDULE

(in thousands $)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|
| **Project** | **FY25** | **FY26** | **FY27** | **FY28** | **FY29** | **FY30** | **FY31** | **Future** | |
| 91864005-Anderson Dam Seismic Retrofit (C1) | 228,812 | 51,751 | 158,853 | 158,703 | 188,226 | 214,324 | 238,874 | 651,295 | 1,890,838 |
| with inflation | 228,812 | 51,751 | 158,853 | 169,062 | 202,542 | 233,431 | 261,172 | 719,682 | 2,025,304 |
| Actuals include project expenditures and encumbrances. | | | | | | | | | |

## FUNDING SCHEDULE

(in thousands $)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|---|
| **Project** | **FY25** | **FY26** | | **FY27** | **FY28** | **FY29** | **FY30** | **FY31** | **Future** | |
| 91864005-Anderson Dam Seismic Retrofit (C1) | 257,882 | 24,183 | 1,502 | 157,350 | 169,062 | 202,542 | 233,431 | 261,172 | 719,682 | 2,025,304 |
| Adjusted Budget includes adopted budget plus approved budget adjustments. | | | | | | | | | | |

## FUNDING SOURCES

(in thousands $)

| | |
|---|---|
| SCVWD Water Utility Enterprise Fund | 1,998,527 |
| SCVWD Safe, Clean Water Fund | 26,777 |
| Other Funding Sources | 0 |
| **Total** | **2,025,304** |
| 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 modifications to the existing intake structure.

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 March 2027

| Phase | Cost | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 | FY 32 | FY 33 | FY 34 | FY 35 | FY 36 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Planning | - | | | | | | | | | | | |
| Enviro | 1,016 | | | | | | | | | | | |
| Design | 12,592 | | | | | | | | | | | |
| Construct | 292,670 | | | | | | | | | | | |
| Closeout | 500 | | | | | | | | | | | |
| | **307,513** | Total project cost may include expenditures not yet allocated to a specific phase. | | | | | | | | | | |

## EXPENDITURE SCHEDULE

(in thousands $)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|
| **Project** | **FY25** | **FY26** | **FY27** | **FY28** | **FY29** | **FY30** | **FY31** | **Future** | |
| 91864006-Anderson Dam Tunnel | 240,847 | 48,125 | 18,541 | 0 | 0 | 0 | 0 | 0 | 307,513 |
| with inflation | 240,847 | 48,125 | 18,541 | 0 | 0 | 0 | 0 | 0 | 307,513 |
| Actuals include project expenditures and encumbrances. | | | | | | | | | |

## FUNDING SCHEDULE

(in thousands $)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|---|
| **Project** | **FY25** | **FY26** | | **FY27** | **FY28** | **FY29** | **FY30** | **FY31** | **Future** | |
| 91864006-Anderson Dam Tunnel | 251,618 | 42,682 | 5,328 | 13,213 | 0 | 0 | 0 | 0 | 0 | 307,513 |
| Adjusted Budget includes adopted budget plus approved budget adjustments. | | | | | | | | | | |

## FUNDING SOURCES

(in thousands $)

| | |
|---|---|
| SCVWD Water Utility Enterprise Fund | 307,513 |
| Other Funding Sources | 0 |
| **Total** | **307,513** |

| 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 the 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 operating cost impacts.

**USEFUL LIFE:** 50 Years

## SCHEDULE & STATUS

February 2020 to June 2028

The Environmental Phase overlaps with the Construction Phase to account for regulatory compliance and monitoring.

| Phase | Cost | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 | FY 32 | FY 33 | FY 34 | FY 35 | FY 36 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Planning | - | | | | | | | | | | | |
| Enviro | 259 | | | | | | | | | | | |
| Design | 33,785 | | | | | | | | | | | |
| Construct | 61,243 | | | | | | | | | | | |
| Closeout | 5 | | | | | | | | | | | |
| | **95,300** | Total project cost may include expenditures not yet allocated to a specific phase. | | | | | | | | | | |

## EXPENDITURE SCHEDULE

(in thousands $)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|
| **Project** | **FY25** | **FY26** | **FY27** | **FY28** | **FY29** | **FY30** | **FY31** | **Future** | |
| 91864007-Coyote Creek Flood Management Measures | 88,940 | 4,870 | 805 | 685 | 0 | 0 | 0 | 0 | 95,300 |
| with inflation | 88,940 | 4,870 | 805 | 749 | 0 | 0 | 0 | 0 | 95,364 |
| Actuals include project expenditures and encumbrances. | | | | | | | | | |

## FUNDING SCHEDULE

(in thousands $)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|---|
| **Project** | **FY25** | **FY26** | | **FY27** | **FY28** | **FY29** | **FY30** | **FY31** | **Future** | |
| 91864007-Coyote Creek Flood Management Measures | 114,592 | 0 | 20,782 | 0 | 0 | 0 | 0 | 0 | 0 | 114,592 |
| Adjusted Budget includes adopted budget plus approved budget adjustments. Funding exceeds planned expenditures by approximately $19.229 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 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 Stream 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-cooled packaged chillers, with one (1) of the three (3) serving 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 chiller 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 Coyote Creek to provide suitable cold-water habitat to support rainbow trout *(Oncorhynchus mykiss)* rearing within the Creek's functional cold-water management zone, which 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 2026

| Phase | Cost | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 | FY 32 | FY 33 | FY 34 | FY 35 | FY 36 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Planning | - | | | | | | | | | | | |
| Enviro | 5 | | | | | | | | | | | |
| Design | 996 | | | | | | | | | | | |
| Construct | 31,688 | | | | | | | | | | | |
| Closeout | 10 | | | | | | | | | | | |
| | **32,765** | Total project cost may include expenditures not yet allocated to a specific phase. | | | | | | | | | | |

## EXPENDITURE SCHEDULE

(in thousands $)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|
| **Project** | **FY25** | **FY26** | **FY27** | **FY28** | **FY29** | **FY30** | **FY31** | **Future** | |
| 91864008-Coyote Creek Chillers | 28,394 | 4,360 | 11 | 0 | 0 | 0 | 0 | 0 | 32,765 |
| with inflation | 28,394 | 4,360 | 11 | 0 | 0 | 0 | 0 | 0 | 32,765 |
| Actuals include project expenditures and encumbrances. | | | | | | | | | |

## FUNDING SCHEDULE

(in thousands $)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|---|
| **Project** | **FY25** | **FY26** | | **FY27** | **FY28** | **FY29** | **FY30** | **FY31** | **Future** | |
| 91864008-Coyote Creek Chillers | 28,472 | 4,282 | 0 | 11 | 0 | 0 | 0 | 0 | 0 | 32,765 |
| Adjusted Budget includes adopted budget plus budget adjustments. | | | | | | | | | | |

## FUNDING SOURCES

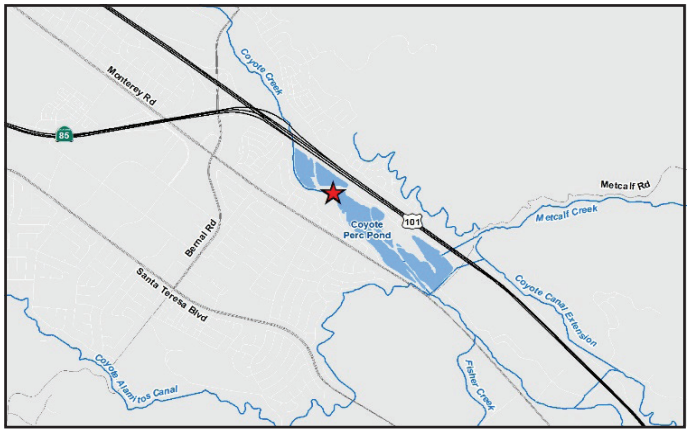
(in thousands $)

| | |
|---|---|
| SCVWD Water Utility Enterprise Fund | 32,765 |
| Other Funding Sources | 0 |
| **Total** | **32,765** |

| 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 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 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), with the 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. The bladder dam facilities were completed in 2025, which was a requirement before the Anderson Dam outlet tunnel could be completed in 2026.

This project is designed and constructed 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, 2026.

## 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 2026

| Phase | Cost | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 | FY 32 | FY 33 | FY 34 | FY 35 | FY 36 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Planning | - | | | | | | | | | | | |
| Enviro | 9 | | | | | | | | | | | |
| Design | 2,341 | | | | | | | | | | | |
| Construct | 15,366 | | | | | | | | | | | |
| Closeout | 10 | | | | | | | | | | | |
| | **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** | **FY25** | **FY26** | **FY27** | **FY28** | **FY29** | **FY30** | **FY31** | **Future** | |
| 91864009-Coyote Percolation Dam Replacement | 17,377 | 359 | 0 | 0 | 0 | 0 | 0 | 0 | 17,736 |
| with inflation | 17,377 | 359 | 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** | **FY25** | **FY26** | | **FY27** | **FY28** | **FY29** | **FY30** | **FY31** | **Future** | |
| 91864009-Coyote Percolation Dam Replacement | 17,736 | 0 | 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 | Calero and Guadalupe Dams Seismic Retrofits - Planning | | |
|---|---|---|---|
| **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 the 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 Fellows Dike

Guadalupe Dam

- Stabilize the embankment to withstand a Maximum Credible Earthquake (MCE)
- Implement improvements as necessary for the dam system to safely pass the Probable Maximum Flood (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 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 | FY 32 | FY 33 | FY 34 | FY 35 | FY 36 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Planning | 8,194 | | | | | | | | | | | |
| Enviro | 9,172 | | | | | | | | | | | |
| Design | 112 | | | | | | | | | | | |
| Construct | - | | | | | | | | | | | |
| Closeout | - | | | | | | | | | | | |
| **18,119** | Total project cost may include expenditures not yet allocated to a specific phase. | | | | | | | | | | | |

## EXPENDITURE SCHEDULE

(in thousands $)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|
| **Project** | **FY25** | **FY26** | **FY27** | **FY28** | **FY29** | **FY30** | **FY31** | **Future** | |
| 91084020-Calero and Guadalupe Dams Seismic Retrofits-Planning | 10,913 | 1,272 | 3,174 | 2,761 | 0 | 0 | 0 | 0 | 18,119 |
| with inflation | 10,913 | 1,272 | 3,174 | 3,020 | 0 | 0 | 0 | 0 | 18,379 |
| Actuals include project expenditures and encumbrances. | | | | | | | | | |

## FUNDING SCHEDULE

(in thousands $)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|---|
| **Project** | **FY25** | **FY26** | | **FY27** | **FY28** | **FY29** | **FY30** | **FY31** | **Future** | |
| 91084020-Calero and Guadalupe Dams Seismic Retrofits-Planning | 12,807 | 0 | 623 | 2,552 | 3,020 | 0 | 0 | 0 | 0 | 18,379 |
| Adjusted Budget includes adopted budget plus approved budget adjustments. | | | | | | | | | | |

## FUNDING SOURCES

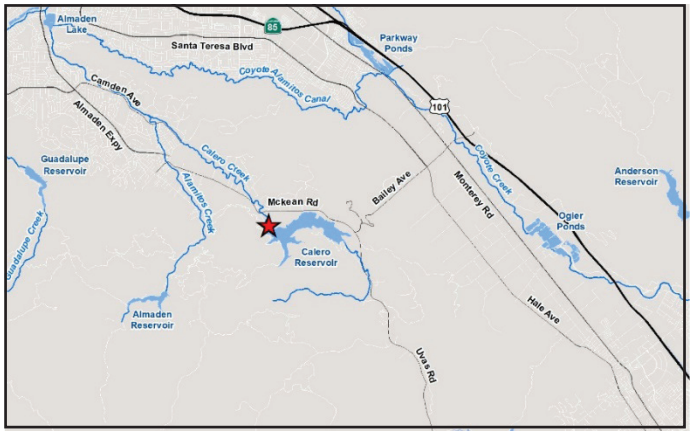
(in thousands $)

| | |
|---|---|
| SCVWD Water Utility Enterprise Fund | 18,379 |
| Other Funding Source | 0 |
| **Total** | **18,379** |

| 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 Location

## PROJECT DESCRIPTION

This project is designed and constructed to implement 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 the freeboard of the dam for safe passage of the Probable Maximum Flood (PMF)
- Remove or relocate the Bailey Ranch structures and breach Fellows 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 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 | FY 32 | FY 33 | FY 34 | FY 35 | FY 36 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Planning | 4 | | | | | | | | | | | |
| Enviro | 6,967 | | | | | | | | | | | |
| Design | 26,943 | | | | | | | | | | | |
| Construct | 110,099 | | | | | | | | | | | |
| Closeout | 8 | | | | | | | | | | | |
| | **144,178** | Total project cost may include expenditures not yet allocated to a specific phase. | | | | | | | | | | |

## EXPENDITURE SCHEDULE

(in thousands $)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|
| **Project** | **FY25** | **FY26** | **FY27** | **FY28** | **FY29** | **FY30** | **FY31** | **Future** | |
| 91874004-Calero Dam Seismic Retrofit - Design & Construction | 16,847 | 7,206 | 5,218 | 11,185 | 36,100 | 36,097 | 31,497 | 27 | 144,178 |
| with inflation | 16,847 | 7,206 | 5,218 | 12,372 | 40,308 | 40,626 | 35,767 | 38 | 158,383 |
| Actuals include project expenditures and encumbrances. | | | | | | | | | |

## FUNDING SCHEDULE

(in thousands $)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|---|
| **Project** | **FY25** | **FY26** | | **FY27** | **FY28** | **FY29** | **FY30** | **FY31** | **Future** | |
| 91874004-Calero Dam Seismic Retrofit - Design & Construction | 16,813 | 7,240 | 0 | 5,218 | 12,372 | 40,308 | 40,626 | 35,767 | 38 | 158,383 |
| Adjusted Budget includes adopted budget plus a planned budget adjustment of $928 thousand. | | | | | | | | | | |

## FUNDING SOURCES

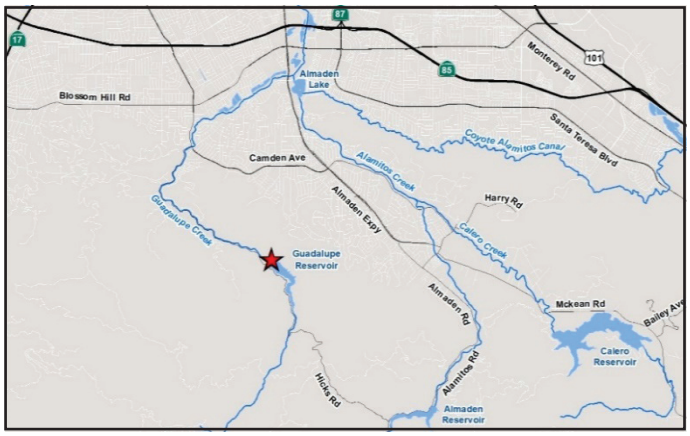
(in thousands $)

| | |
|---|---|
| SCVWD Water Utility Enterprise Fund | 158,383 |
| Other Funding Source | 0 |
| **Total** | **158,383** |

| PROJECT | Guadalupe Dam Seismic Retrofit - Design & Construction | | |
|---|---|---|---|
| **PROGRAM** | Water Supply – Storage | **CONTACT** | Ryan McCarter |
| **PROJECT NO.** | 91894002 | | rmccarter@valleywater.org |



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




Location Map

## PROJECT DESCRIPTION

This project designs and constructs improvements to Guadalupe Dam to accomplish the following objectives:

- Stabilize the embankment to withstand a Maximum Credible Earthquake (MCE)
- Implement improvements as necessary for the dam system to safely pass the Probable Maximum Flood (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

November 2014 to December 2034

| Phase | Cost | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 | FY 32 | FY 33 | FY 34 | FY 35 | FY 36 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Planning | 3 | | | | | | | | | | | |
| Enviro | 8,156 | | | | | | | | | | | |
| Design | 22,184 | | | | | | | | | | | |
| Construct | 95,779 | | | | | | | | | | | |
| Closeout | 72 | | | | | | | | | | | |
| | **126,682** | Total project cost may include expenditures not yet allocated to a specific phase. | | | | | | | | | | |

## EXPENDITURE SCHEDULE

(in thousands $)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|
| **Project** | **FY25** | **FY26** | **FY27** | **FY28** | **FY29** | **FY30** | **FY31** | **Future** | |
| 91894002-Guadalupe Dam Seismic Retrofit - Design & Construction | 11,190 | 4,503 | 5,204 | 4,685 | 10,181 | 32,964 | 32,964 | 24,990 | 126,682 |
| with inflation | 11,190 | 4,503 | 5,204 | 5,126 | 11,872 | 38,888 | 39,218 | 30,068 | 146,069 |
| Actuals include project expenditures and encumbrances. | | | | | | | | | |

## FUNDING SCHEDULE

(in thousands $)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|---|
| **Project** | **FY25** | **FY26** | | **FY27** | **FY28** | **FY29** | **FY30** | **FY31** | **Future** | |
| 91894002-Guadalupe Dam Seismic Retrofit - Design & Construction | 11,355 | 4,338 | 0 | 5,204 | 5,126 | 11,872 | 38,888 | 39,218 | 30,068 | 146,069 |
| Adjusted Budget includes adopted budget plus a planned budget adjustment for $310 thousand. | | | | | | | | | | |

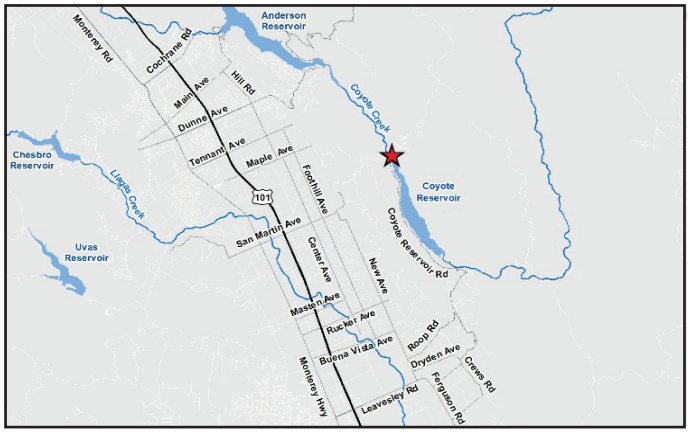
## FUNDING SOURCES

| | |
|---|---|
| SCVWD Water Utility Enterprise Fund | 146,069 |
| Other Funding Sources | 0 |
| **Total** | **146,069** |

| 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 DESCRIPTION

This project plans, designs, and constructs improvements 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 the 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 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 | FY 32 | FY 33 | FY 34 | FY 35 | FY 36 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Planning | 2,823 | | | | | | | | | | | |
| Enviro | 3,184 | | | | | | | | | | | |
| Design | 16,327 | | | | | | | | | | | |
| Construct | 229,400 | | | | | | | | | | | |
| Closeout | 300 | | | | | | | | | | | |
| | **252,034** | Total project cost may include expenditures not yet allocated to a specific phase. | | | | | | | | | | |

## EXPENDITURE SCHEDULE

(in thousands $)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|
| **Project** | **FY25** | **FY26** | **FY27** | **FY28** | **FY29** | **FY30** | **FY31** | **Future** | |
| 91884003-Coyote Dam Seismic Stability | 0 | 456 | 3,051 | 1,649 | 2,818 | 1,780 | 2,260 | 240,020 | 252,034 |
| with inflation | 0 | 456 | 3,051 | 1,804 | 3,225 | 2,131 | 2,830 | 386,640 | 400,137 |
| Actuals include project expenditures and encumbrances. | | | | | | | | | |

## FUNDING SCHEDULE

(in thousands $)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|---|
| **Project** | **FY25** | **FY26** | | **FY27** | **FY28** | **FY29** | **FY30** | **FY31** | **Future** | |
| 91884003-Coyote Dam Seismic Stability | 0 | 867 | 411 | 2,640 | 1,804 | 3,225 | 2,131 | 2,830 | 386,640 | 400,137 |
| Adjusted Budget includes adopted budget plus approved budget adjustments. | | | | | | | | | | |

## FUNDING SOURCES

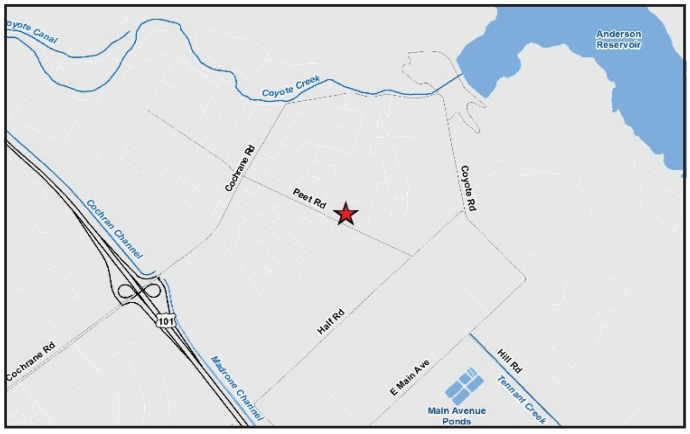
(in thousands $)

| | |
|---|---|
| SCVWD Water Utility Enterprise Fund | 400,137 |
| Other Funding Sources | 0 |
| **Total** | **400,137** |

| 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 Location

## 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 six existing wound-rotor motors to be compatible with the new stator-fed ASDs
- Upgrade the heating, ventilation, and air conditioning (HVAC) system to support the additional cooling requirements
- Modify/upgrade supervisory control and data acquisition (SCADA) 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 the motor control equipment lineup with new switchgear
- 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:** 30 Years

## SCHEDULE & STATUS

July 2017 to June 2027

| Phase | Cost | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 | FY 32 | FY 33 | FY 34 | FY 35 | FY 36 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Planning | 951 | | | | | | | | | | | |
| Enviro | 32 | | | | | | | | | | | |
| Design | 7,740 | | | | | | | | | | | |
| Construct | 40,389 | | | | | | | | | | | |
| Closeout | 84 | | | | | | | | | | | |
| | **49,918** | Total project cost may include expenditures not yet allocated to a specific phase. | | | | | | | | | | |

## EXPENDITURE SCHEDULE

(in thousands $)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|
| **Project** | **FY25** | **FY26** | **FY27** | **FY28** | **FY29** | **FY30** | **FY31** | **Future** | |
| 91234002-Coyote Pumping Plant ASD Replacement | 46,236 | 2,554 | 1,128 | 0 | 0 | 0 | 0 | 0 | 49,918 |
| with inflation | 46,236 | 2,554 | 1,128 | 0 | 0 | 0 | 0 | 0 | 49,918 |
| Actuals include project expenditures and encumbrances. | | | | | | | | | |

## FUNDING SCHEDULE

(in thousands $)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|
| **Project** | **FY25** | **FY26** | | **FY27** | **FY28** | **FY29** | **FY30** | **FY31** | **Future** | |
| 91234002-Coyote Pumping Plant ASD Replacement | 47,743 | 1,047 | 0 | 1,127 | 0 | 0 | 0 | 0 | 0 | 49,918 |
| Adjusted Budget includes adopted budget plus approved budget adjustments. | | | | | | | | | | |

## FUNDING SOURCES

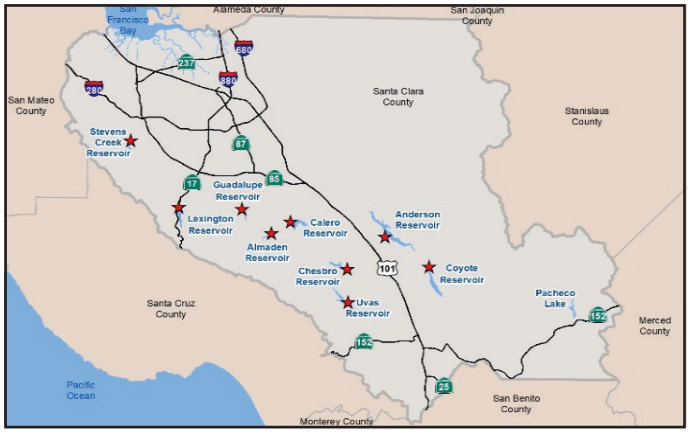
(in thousands $)

| | |
|---|---|
| SCVWD Water Utility Enterprise Fund | 49,918 |
| Other Funding Sources | 0 |
| **Total** | **49,918** |

| 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 location map. 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 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 | FY 32 | FY 33 | FY 34 | FY 35 | FY 36 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Planning | 28,796 | | | | | | | | | | | |
| Enviro | 11 | | | | | | | | | | | |
| Design | - | | | | | | | | | | | |
| Construct | - | | | | | | | | | | | |
| Closeout | - | | | | | | | | | | | |
| **28,808** | Total project cost may include expenditures not yet allocated to a specific phase. | | | | | | | | | | | |

## EXPENDITURE SCHEDULE

(in thousands $)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|
| **Project** | **FY25** | **FY26** | **FY27** | **FY28** | **FY29** | **FY30** | **FY31** | **Future** | |
| 91084019-Dam Seismic Stability Evaluations | 23,337 | 105 | 89 | 85 | 3,791 | 350 | 350 | 700 | 28,808 |
| with inflation | 23,337 | 105 | 89 | 93 | 4,339 | 419 | 438 | 938 | 29,758 |
| Actuals include project expenditures and encumbrances. | | | | | | | | | |

## FUNDING SCHEDULE

(in thousands $)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|---|
| **Project** | **FY25** | **FY26** | | **FY27** | **FY28** | **FY29** | **FY30** | **FY31** | **Future** | |
| 91084019-Dam Seismic Stability Evaluations | 23,496 | 0 | 53 | 36 | 93 | 4,339 | 419 | 438 | 938 | 29,758 |
| Adjusted Budget includes adopted budget plus approved budget adjustments. | | | | | | | | | | |

## FUNDING SOURCES

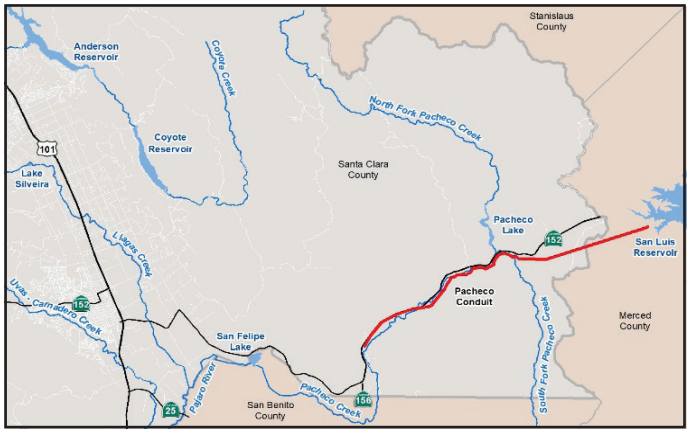
(in thousands $)

| | |
|---|---|
| SCVWD Water Utility Enterprise Fund | 29,758 |
| Other Funding Source | 0 |
| **Total** | **29,758** |

| PROJECT | Small Capital Improvements, San Felipe Reaches 1-3 | | |
|---|---|---|---|
| **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 FY27 include:

- 91214010 – Reach 1: Rebuild of Pacheco Pumping Plant Pump #8
- 91224010 – Reach 2: No work planned in FY27
- 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 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 | FY 32 | FY 33 | FY 34 | FY 35 | FY 36 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Planning | n/a | | | | | | | | | | | |
| Enviro | n/a | | | | | | | | | | | |
| Design | n/a | | | | | | | | | | | |
| Construct | n/a | | | | | | | | | | | |
| Closeout | n/a | | | | | | | | | | | |
| | **n/a** | | | | | | | | | | | |

## EXPENDITURE SCHEDULE

(in thousands $)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|
| **Project** | **FY25** | **FY26** | **FY27** | **FY28** | **FY29** | **FY30** | **FY31** | **Future** | |
| 91214010-Small Capital Improvements, San Felipe Reach 1 | n/a | 2,289 | 5,179 | 4,738 | 4,940 | 4,940 | 4,940 | 4,650 | 31,676 |
| with inflation | n/a | 2,289 | 5,179 | 5,183 | 5,654 | 5,914 | 6,186 | 6,275 | 36,679 |
| 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 | 3,167 | 743 | 4,138 | 400 | 400 | 400 | 1,000 | 10,248 |
| with inflation | n/a | 3,167 | 743 | 4,527 | 458 | 479 | 501 | 1,436 | 11,311 |
| **TOTAL** | **0** | **5,456** | **5,922** | **8,876** | **5,340** | **5,340** | **5,340** | **5,650** | **41,924** |
| **with inflation** | **0** | **5,456** | **5,922** | **9,711** | **6,111** | **6,392** | **6,687** | **7,711** | **47,990** |

## FUNDING SCHEDULE

(in thousands $)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|---|
| **Project** | **FY25** | **FY26** | | **FY27** | **FY28** | **FY29** | **FY30** | **FY31** | **Future** | |
| 91214010-Small Capital Improvements, San Felipe Reach 1 | n/a | 2,289 | 0 | 5,179 | 5,183 | 5,654 | 5,914 | 6,186 | 6,275 | 36,679 |
| 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 | 3,167 | 0 | 743 | 4,527 | 458 | 479 | 501 | 1,436 | 11,311 |
| **TOTAL** | **0** | **5,456** | **0** | **5,922** | **9,711** | **6,111** | **6,392** | **6,687** | **7,711** | **47,990** |

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

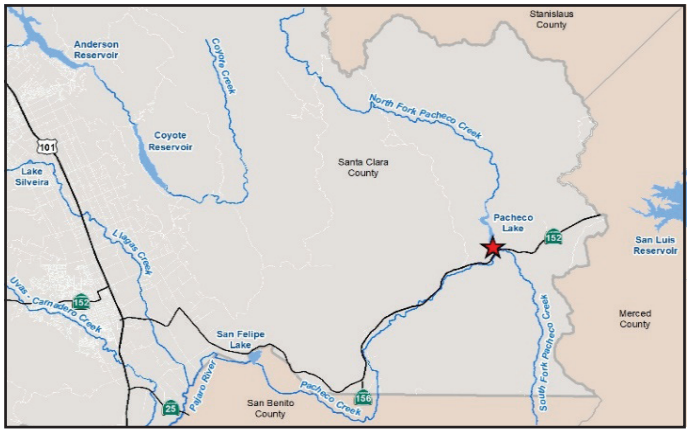
(in thousands $)

| | |
|---|---|
| SCVWD Water Utility Enterprise Fund | 36,247 |
| San Benito County Water District | 11,743 |
| **Total** | **47,990** |

| 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

The project is anticipated to be completed and closed by June 30, 2026.

## OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

**USEFUL LIFE:** 50+ Years

## SCHEDULE & STATUS

December 2018 to June 2026

| Phase | Cost | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 | FY 32 | FY 33 | FY 34 | FY 35 | FY 36 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Planning | 13,025 | | | | | | | | | | | |
| Enviro | 34,059 | | | | | | | | | | | |
| Design | 98,112 | | | | | | | | | | | |
| Construct | - | | | | | | | | | | | |
| Closeout | - | | | | | | | | | | | |
| **146,043** | Total project cost may include expenditures not yet allocated to a specific phase. | | | | | | | | | | | |

## EXPENDITURE SCHEDULE

(in thousands $)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|
| **Project** | **FY25** | **FY26** | **FY27** | **FY28** | **FY29** | **FY30** | **FY31** | **Future** | |
| 91954002-Pacheco Reservoir Expansion Project | 133,748 | 12,295 | 0 | 0 | 0 | 0 | 0 | 0 | 146,043 |
| with inflation | 133,748 | 12,295 | 0 | 0 | 0 | 0 | 0 | 0 | 146,043 |
| Actuals include project expenditures and encumbrances. | | | | | | | | | |

## FUNDING SCHEDULE

(in thousands $)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|---|
| **Project** | **FY25** | **FY26** | | **FY27** | **FY28** | **FY29** | **FY30** | **FY31** | **Future** | |
| 91954002-Pacheco Reservoir Expansion Project | 144,616 | 1,427 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 146,043 |
| Adjusted Budget includes adopted budget plus approved budget adjustments. | | | | | | | | | | |

## FUNDING SOURCES

(in thousands $)

| | |
|---|---|
| SCVWD Water Utility Enterprise Fund | 77,849 |
| California Water Commission | 26,276 |
| 35% Partnership Contributions - 4/14/2021 Board Direction (Unsecured) | 41,918 |
| **Total** | **146,043** |

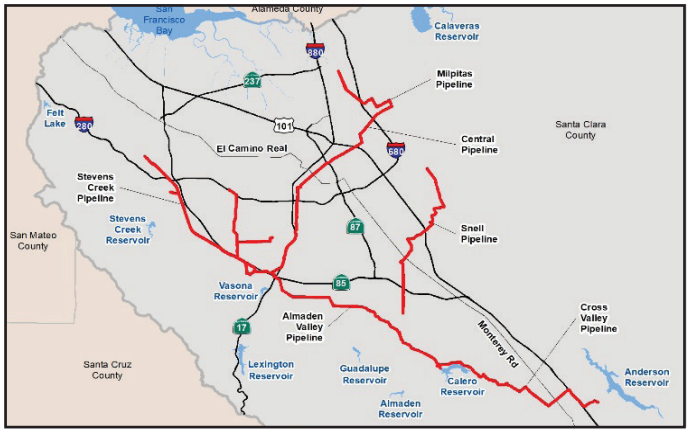
# Transmission Facilities



| 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 project involves the inspection, planning, and design activities required for the 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 appurtenances, 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 for 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 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 | FY 32 | FY 33 | FY 34 | FY 35 | FY 36 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Planning | 1,924 | | | | | | | | | | | |
| Enviro | 1,742 | | | | | | | | | | | |
| Design | 29,358 | | | | | | | | | | | |
| Construct | 147,593 | | | | | | | | | | | |
| Closeout | 402 | | | | | | | | | | | |
| | **183,197** | Total project cost may include expenditures not yet allocated to a specific phase. | | | | | | | | | | |

## EXPENDITURE SCHEDULE

(in thousands $)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|
| **Project** | **FY25** | **FY26** | **FY27** | **FY28** | **FY29** | **FY30** | **FY31** | **Future** | |
| 95084002-10-Year Pipeline Inspection & Rehabilitation | 151,405 | 29,039 | 2,453 | 300 | 0 | 0 | 0 | 0 | 183,197 |
| with inflation | 151,405 | 29,039 | 2,453 | 328 | 0 | 0 | 0 | 0 | 183,225 |
| Actuals include project expenditures and encumbrances. | | | | | | | | | |

## FUNDING SCHEDULE

(in thousands $)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|---|
| **Project** | **FY25** | **FY26** | | **FY27** | **FY28** | **FY29** | **FY30** | **FY31** | **Future** | |
| 95084002-10-Year Pipeline Inspection & Rehabilitation | 160,191 | 20,254 | 0 | 2,453 | 328 | 0 | 0 | 0 | 0 | 183,225 |
| Adjusted Budget includes adopted budget plus approved budget adjustments. | | | | | | | | | | |

## FUNDING SOURCES

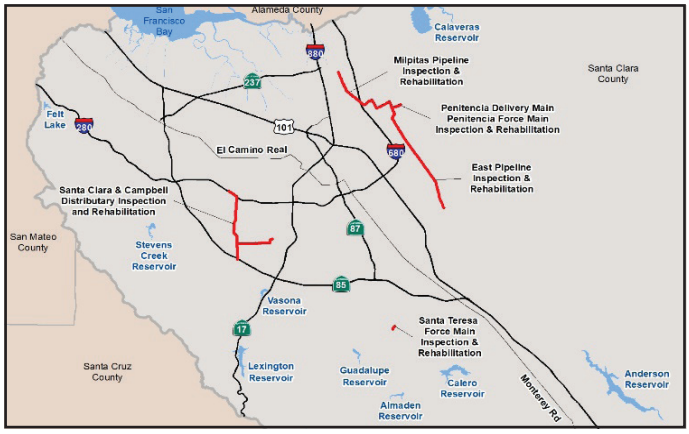
(in thousands $)

| | |
|---|---|
| SCVWD Water Utility Enterprise Fund | 183,225 |
| Other Funding Sources | 0 |
| **Total** | **183,225** |

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



Typical Pipeline Maintenance 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. The program involves planning for the condition assessment, design, and construction activities required for the renewal of Valley Water's large diameter pipelines and tunnels. The PMP work includes updating the environmental documents and 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 pipelines through the implementation of repairs and the modernization of appurtenances and facilities. Currently planned inspection and renewal work for various pipelines and tunnels is 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 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 | FY 32 | FY 33 | FY 34 | FY 35 | FY 36 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Planning | 1,550 | | | | | | | | | | | |
| Enviro | - | | | | | | | | | | | |
| Design | - | | | | | | | | | | | |
| Construct | - | | | | | | | | | | | |
| Closeout | - | | | | | | | | | | | |
| **1,550** | Total project cost may include expenditures not yet allocated to a specific phase. | | | | | | | | | | | |

## EXPENDITURE SCHEDULE

(in thousands $)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|
| **Project** | **FY25** | **FY26** | **FY27** | **FY28** | **FY29** | **FY30** | **FY31** | **Future** | |
| 95084003-Pipeline Maintenance Program | 0 | 627 | 523 | 200 | 100 | 100 | 0 | 0 | 1,550 |
| with inflation | 0 | 627 | 523 | 218 | 114 | 120 | 0 | 0 | 1,603 |
| Actuals include project expenditures and encumbrances. | | | | | | | | | |

## FUNDING SCHEDULE

(in thousands $)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|---|
| **Project** | **FY25** | **FY26** | | **FY27** | **FY28** | **FY29** | **FY30** | **FY31** | **Future** | |
| 95084003-Pipeline Maintenance Program | 0 | 627 | 0 | 523 | 218 | 114 | 120 | 0 | 0 | 1,603 |
| Adjusted Budget includes adopted budget plus approved budget adjustments. | | | | | | | | | | |

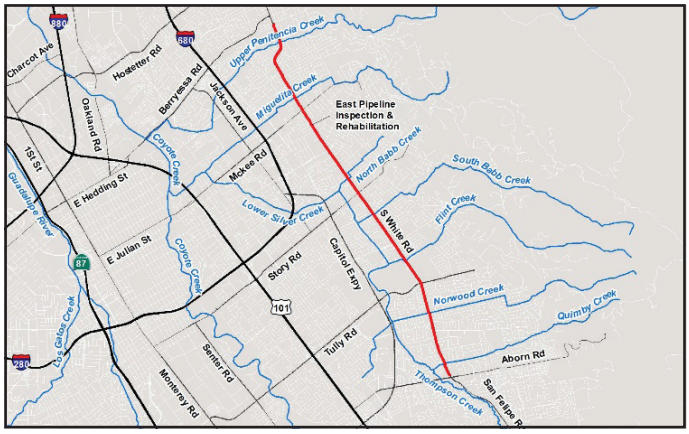
## FUNDING SOURCES

| | |
|---|---|
| SCVWD Water Utility Enterprise Fund | 1,603 |
| Other Funding Sources | 0 |
| **Total** | **1,603** |

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



A valve to be replaced as 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 control systems, and rehabilitate corrosion protection systems.

The project will also include the installation of an additional line valve to allow for damaged portions of the system to be isolated so that undamaged portions can continue to convey treated water to retailers, and to 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 May 2028

| Phase | Cost | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 | FY 32 | FY 33 | FY 34 | FY 35 | FY 36 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Planning | - | | | | | | | | | | | |
| Enviro | 366 | | | | | | | | | | | |
| Design | 1,292 | | | | | | | | | | | |
| Construct | 12,529 | | | | | | | | | | | |
| Closeout | 180 | | | | | | | | | | | |
| | **14,367** | Total project cost may include expenditures not yet allocated to a specific phase. | | | | | | | | | | |

## EXPENDITURE SCHEDULE

(in thousands $)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|
| **Project** | **FY25** | **FY26** | **FY27** | **FY28** | **FY29** | **FY30** | **FY31** | **Future** | |
| 95084004-East Pipeline Inspection & Rehabilitation | 0 | 1,992 | 11,475 | 900 | 0 | 0 | 0 | 0 | 14,367 |
| with inflation | 0 | 1,992 | 11,475 | 985 | 0 | 0 | 0 | 0 | 14,452 |
| Actuals include project expenditures and encumbrances. | | | | | | | | | |

## FUNDING SCHEDULE

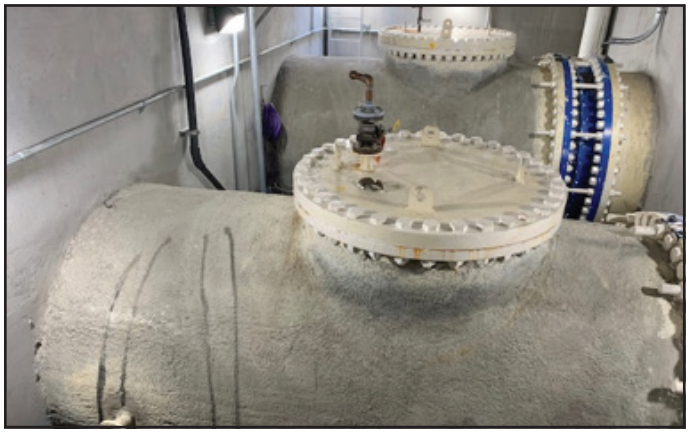
(in thousands $)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|---|
| **Project** | **FY25** | **FY26** | | **FY27** | **FY28** | **FY29** | **FY30** | **FY31** | **Future** | |
| 95084004-East Pipeline Inspection & Rehabilitation | 0 | 1,992 | 0 | 11,475 | 985 | 0 | 0 | 0 | 0 | 14,452 |
| Adjusted Budget includes adopted budget plus approved budget adjustments. | | | | | | | | | | |

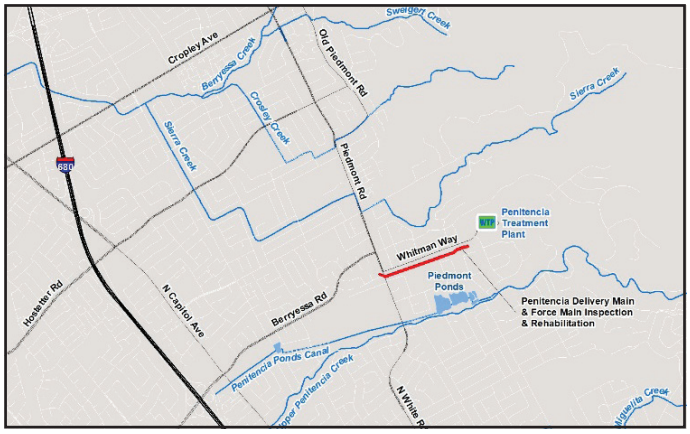
## FUNDING SOURCES

| | |
|---|---|
| SCVWD Water Utility Enterprise Fund | 14,452 |
| Other Funding Sources | 0 |
| **Total** | **14,452** |

| 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 control systems and rehabilitate corrosion protection systems.

An Acoustic Fiber Optic (AFO) monitoring system will be installed as part of this project to allow monitoring of the prestressed concrete cylinder pipe condition without needing a pipeline shutdown or service interruption. The project will also include the installation of valves and appurtenances that will allow for damaged portions of the system to be isolated so that undamaged portions can continue to convey treated water to the retailers, and to 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

January 2025 to March 2028

| Phase | Cost | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 | FY 32 | FY 33 | FY 34 | FY 35 | FY 36 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Planning | - | | | | | | | | | | | |
| Enviro | - | | | | | | | | | | | |
| Design | 775 | | | | | | | | | | | |
| Construct | 6,120 | | | | | | | | | | | |
| Closeout | 85 | | | | | | | | | | | |
| **6,980** | Total project cost may include expenditures not yet allocated to a specific phase. | | | | | | | | | | | |

## EXPENDITURE SCHEDULE

(in thousands $)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|
| **Project** | **FY25** | **FY26** | **FY27** | **FY28** | **FY29** | **FY30** | **FY31** | **Future** | |
| 95084005-Penitencia Delivery Main and Force Main Inspection & Rehabilitation | 0 | 1,780 | 5,051 | 150 | 0 | 0 | 0 | 0 | 6,980 |
| with inflation | 0 | 1,780 | 5,051 | 164 | 0 | 0 | 0 | 0 | 6,994 |
| Actuals include project expenditures and encumbrances. | | | | | | | | | |

## FUNDING SCHEDULE

(in thousands $)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|
| **Project** | **FY25** | **FY26** | | **FY27** | **FY28** | **FY29** | **FY30** | **FY31** | **Future** | |
| 95084005-Penitencia Delivery Main and Force Main Inspection & Rehabilitation | 0 | 1,780 | 0 | 5,051 | 164 | 0 | 0 | 0 | 0 | 6,994 |
| Adjusted Budget includes adopted budget plus approved budget adjustments. | | | | | | | | | | |

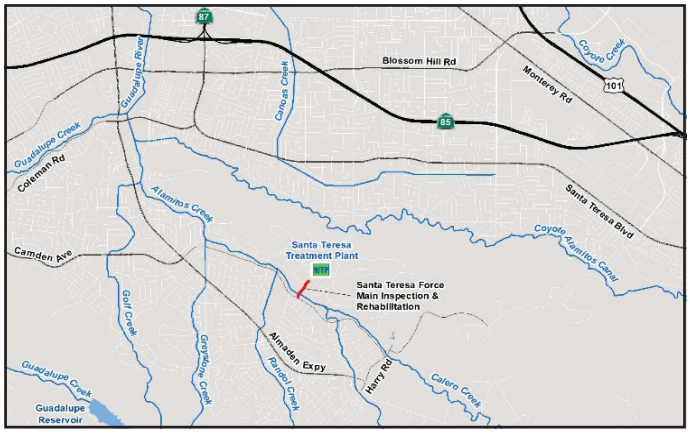
## FUNDING SOURCES

| | |
|---|---|
| SCVWD Water Utility Enterprise Fund | 6,994 |
| Other Funding Sources | 0 |
| **Total** | **6,994** |

| 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, 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 to allow for damaged portions of the system to be isolated so that undamaged portions can continue to convey treated water to the retailers, and to 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 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 | FY 32 | FY 33 | FY 34 | FY 35 | FY 36 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Planning | - | | | | | | | | | | | |
| Enviro | 88 | | | | | | | | | | | |
| Design | 799 | | | | | | | | | | | |
| Construct | 9,223 | | | | | | | | | | | |
| Closeout | 89 | | | | | | | | | | | |
| | **10,199** | Total project cost may include expenditures not yet allocated to a specific phase. | | | | | | | | | | |

## EXPENDITURE SCHEDULE

(in thousands $)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|
| **Project** | **FY25** | **FY26** | **FY27** | **FY28** | **FY29** | **FY30** | **FY31** | **Future** | |
| 95084006-Santa Teresa Force Main Inspection & Rehabilitation | 0 | 587 | 7,669 | 1,497 | 446 | 0 | 0 | 0 | 10,199 |
| with inflation | 0 | 587 | 7,669 | 1,638 | 510 | 0 | 0 | 0 | 10,404 |
| Actuals include project expenditures and encumbrances. | | | | | | | | | |

## FUNDING SCHEDULE

(in thousands $)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|---|
| **Project** | **FY25** | **FY26** | | **FY27** | **FY28** | **FY29** | **FY30** | **FY31** | **Future** | |
| 95084006-Santa Teresa Force Main Inspection & Rehabilitation | 0 | 587 | 0 | 7,669 | 1,638 | 510 | 0 | 0 | 0 | 10,404 |
| Adjusted Budget includes adopted budget plus approved budget adjustments. | | | | | | | | | | |

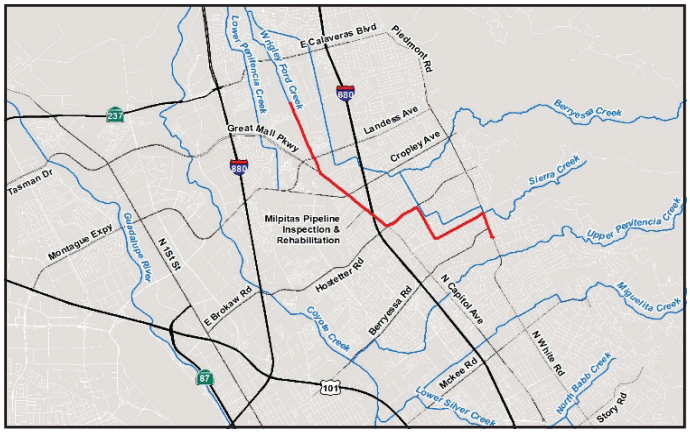
## FUNDING SOURCES

| | |
|---|---|
| SCVWD Water Utility Enterprise Fund | 10,404 |
| Other Funding Sources | 0 |
| **Total** | **10,404** |

| 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, which will include the installation of an additional line valve vault on the Milpitas Pipeline downstream of the BART Turnout (near Garden Street). The new valve will allow for damaged portions of the system to be isolated so that undamaged portions can continue to convey treated water to retailers, and to 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 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 | FY 32 | FY 33 | FY 34 | FY 35 | FY 36 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Planning | - | | | | | | | | | | | |
| Enviro | 40 | | | | | | | | | | | |
| Design | 1,436 | | | | | | | | | | | |
| Construct | 12,912 | | | | | | | | | | | |
| Closeout | 80 | | | | | | | | | | | |
| | **14,469** | Total project cost may include expenditures not yet allocated to a specific phase. | | | | | | | | | | |

## EXPENDITURE SCHEDULE

(in thousands $)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|
| **Project** | **FY25** | **FY26** | **FY27** | **FY28** | **FY29** | **FY30** | **FY31** | **Future** | |
| 95084007-Milpitas Pipeline Inspection & Rehabilitation Project | 0 | 616 | 1,152 | 1,800 | 10,600 | 300 | 0 | 0 | 14,469 |
| with inflation | 0 | 616 | 1,152 | 1,921 | 11,248 | 359 | 0 | 0 | 15,297 |
| Actuals include project expenditures and encumbrances. | | | | | | | | | |

## FUNDING SCHEDULE

(in thousands $)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|---|
| **Project** | **FY25** | **FY26** | | **FY27** | **FY28** | **FY29** | **FY30** | **FY31** | **Future** | |
| 95084007-Milpitas Pipeline Inspection & Rehabilitation Project | 0 | 617 | 0 | 1,152 | 1,921 | 11,248 | 359 | 0 | 0 | 15,297 |
| Adjusted Budget includes adopted budget plus approved budget adjustments. | | | | | | | | | | |

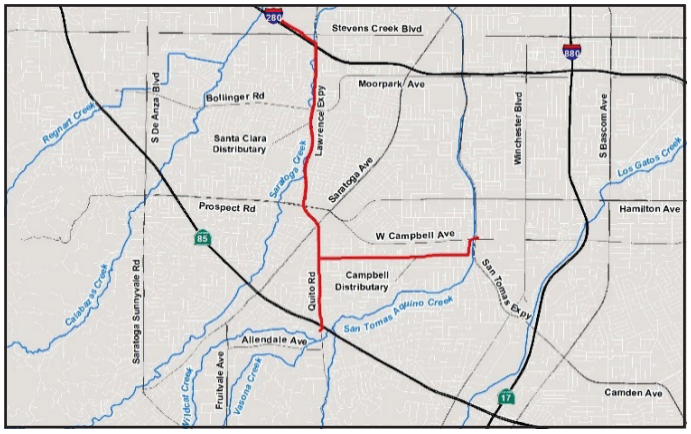
## FUNDING SOURCES

| | |
|---|---|
| SCVWD Water Utility Enterprise Fund | 15,297 |
| Other Funding Sources | 0 |
| **Total** | **15,297** |

| 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, 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 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 | FY 32 | FY 33 | FY 34 | FY 35 | FY 36 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Planning | - | | | | | | | | | | | |
| Enviro | 20 | | | | | | | | | | | |
| Design | 1,905 | | | | | | | | | | | |
| Construct | 7,950 | | | | | | | | | | | |
| Closeout | 150 | | | | | | | | | | | |
| **10,025** | Total project cost may include expenditures not yet allocated to a specific phase. | | | | | | | | | | | |

## EXPENDITURE SCHEDULE

(in thousands $)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|
| **Project** | **FY25** | **FY26** | **FY27** | **FY28** | **FY29** | **FY30** | **FY31** | **Future** | |
| 95084008-Santa Clara and Campbell Distributary Inspection & Rehabilitation | 0 | 0 | 575 | 550 | 800 | 8,100 | 0 | 0 | 10,025 |
| with inflation | 0 | 0 | 575 | 602 | 916 | 10,036 | 0 | 0 | 12,129 |
| Actuals include project expenditures and encumbrances. | | | | | | | | | |

## FUNDING SCHEDULE

(in thousands $)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|---|
| **Project** | **FY25** | **FY26** | | **FY27** | **FY28** | **FY29** | **FY30** | **FY31** | **Future** | |
| 95084008-Santa Clara and Campbell Distributary Inspection & Rehabilitation | 0 | 0 | 0 | 575 | 602 | 916 | 10,036 | 0 | 0 | 12,129 |
| Adjusted Budget includes adopted budget plus approved budget adjustments. | | | | | | | | | | |

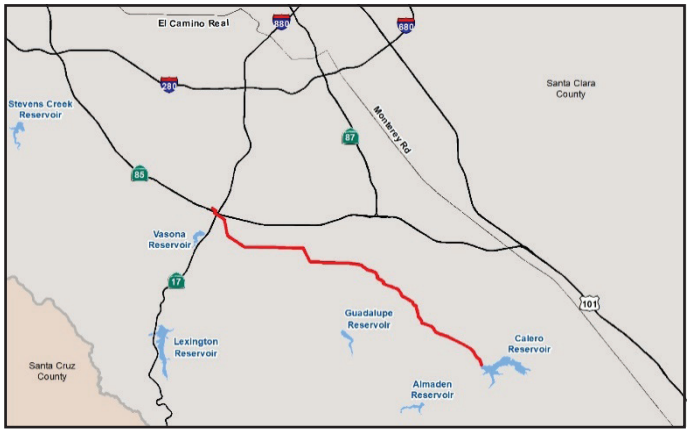
## FUNDING SOURCES

| | |
|---|---|
| SCVWD Water Utility Enterprise Fund | 12,129 |
| Other Funding Sources | 0 |
| **Total** | **12,129** |

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



Pipeline Replacement construction work




Location Map

## PROJECT DESCRIPTION

The Almaden Valley Pipeline (AVP) is 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.

This project will accomplish the following objective:

- Replace approximately 7.5 miles 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 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 | FY 32 | FY 33 | FY 34 | FY 35 | FY 36 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Planning | 176 | | | | | | | | | | | |
| Enviro | 2,084 | | | | | | | | | | | |
| Design | 20,433 | | | | | | | | | | | |
| Construct | 125,803 | | | | | | | | | | | |
| Closeout | 904 | | | | | | | | | | | |
| | **149,447** | Total project cost may include expenditures not yet allocated to a specific phase. | | | | | | | | | | |

## EXPENDITURE SCHEDULE

(in thousands $)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|
| **Project** | **FY25** | **FY26** | **FY27** | **FY28** | **FY29** | **FY30** | **FY31** | **Future** | |
| 92304001-Almaden Valley Pipeline Replacement | 4,714 | 3,879 | 44,381 | 31,801 | 21,684 | 1,920 | 1,948 | 39,120 | 149,447 |
| with inflation | 4,714 | 3,879 | 44,381 | 33,552 | 23,009 | 2,298 | 2,439 | 59,118 | 173,390 |
| Actuals include project expenditures and encumbrances. | | | | | | | | | |

## FUNDING SCHEDULE

(in thousands $)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|---|
| **Project** | **FY25** | **FY26** | | **FY27** | **FY28** | **FY29** | **FY30** | **FY31** | **Future** | |
| 92304001-Almaden Valley Pipeline Replacement | 5,395 | 3,199 | 0 | 44,381 | 33,552 | 23,009 | 2,298 | 2,439 | 59,118 | 173,390 |
| Adjusted Budget includes adopted budget plus a planned budget adjustment of $65 thousand. | | | | | | | | | | |

## FUNDING SOURCES

(in thousands $)

| | |
|---|---|
| SCVWD Water Utility Enterprise Fund | 173,390 |
| Other Funding Sources | 0 |
| **Total** | **173,390** |

| 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 Valley Water's 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 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 | FY 32 | FY 33 | FY 34 | FY 35 | FY 36 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Planning | 7,209 | | | | | | | | | | | |
| Enviro | 30 | | | | | | | | | | | |
| Design | - | | | | | | | | | | | |
| Construct | - | | | | | | | | | | | |
| Closeout | - | | | | | | | | | | | |
| **9,307** | Total project cost may include expenditures not yet allocated to a specific phase. | | | | | | | | | | | |

## EXPENDITURE SCHEDULE

(in thousands $)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|
| **Project** | **FY25** | **FY26** | **FY27** | **FY28** | **FY29** | **FY30** | **FY31** | **Future** | |
| 95044001-Distribution System Master Plan Implementation Project | 8,320 | 515 | 472 | 0 | 0 | 0 | 0 | 0 | 9,307 |
| with inflation | 8,320 | 515 | 472 | 0 | 0 | 0 | 0 | 0 | 9,307 |
| Actuals include project expenditures and encumbrances. | | | | | | | | | |

## FUNDING SCHEDULE

(in thousands $)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|---|
| **Project** | **FY25** | **FY26** | | **FY27** | **FY28** | **FY29** | **FY30** | **FY31** | **Future** | |
| 95044001-Distribution System Master Plan Implementation Project | 8,532 | 634 | 331 | 142 | 0 | 0 | 0 | 0 | 0 | 9,307 |
| Adjusted Budget includes adopted budget plus approved budget adjustments. | | | | | | | | | | |

## FUNDING SOURCES

(in thousands $)

| | |
|---|---|
| SCVWD Water Utility Enterprise Fund | 9,307 |
| Other Funding Sources | 0 |
| **Total** | **9,307** |

| 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, the 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, the Guadalupe River and Stevens Creek. The 1997 listing of Central California Coast Steelhead as a threatened species under the 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 the 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, as well as provisions for fish passage and aquatic 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 2027 to June 2036

| Phase | Cost | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 | FY 32 | FY 33 | FY 34 | FY 35 | FY 36 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Planning | 145,108 | | | | | | | | | | | |
| Enviro | - | | | | | | | | | | | |
| 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** | **FY25** | **FY26** | **FY27** | **FY28** | **FY29** | **FY30** | **FY31** | **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** | **FY25** | **FY26** | | **FY27** | **FY28** | **FY29** | **FY30** | **FY31** | **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

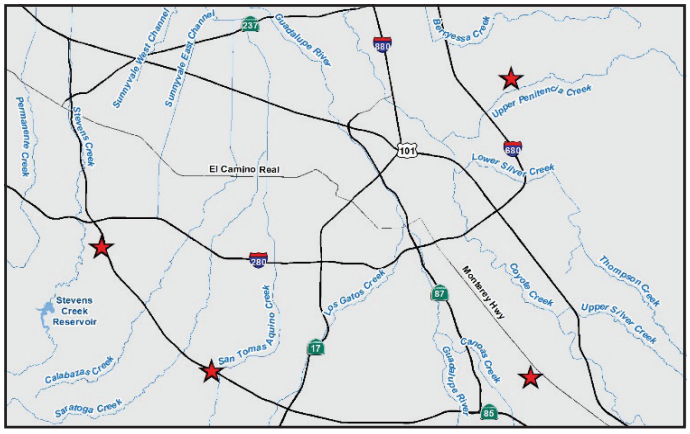
(in thousands $)

| | |
|---|---|
| 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 coordinated with work on the same pipelines under the 10-Year Pipeline Inspection and Rehabilitation Project. The new line valves will be located along the East, West, and Snell pipelines to accomplish the following objectives:

- Allow Valley Water to isolate sections of the treated water pipeline for general maintenance or 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 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 | FY 32 | FY 33 | FY 34 | FY 35 | FY 36 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Planning | 143 | | | | | | | | | | | |
| Enviro | 108 | | | | | | | | | | | |
| Design | 2,847 | | | | | | | | | | | |
| Construct | 21,465 | | | | | | | | | | | |
| Closeout | 70 | | | | | | | | | | | |
| | **33,731** | Total project cost may include expenditures not yet allocated to a specific phase. | | | | | | | | | | |

## EXPENDITURE SCHEDULE

(in thousands $)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|
| **Project** | **FY25** | **FY26** | **FY27** | **FY28** | **FY29** | **FY30** | **FY31** | **Future** | |
| 26764001-IRP2 Additional Line Valves (A3) | 10,879 | 16,786 | 5,531 | 443 | 92 | 0 | 0 | 0 | 33,731 |
| with inflation | 10,879 | 16,786 | 5,531 | 485 | 105 | 0 | 0 | 0 | 33,786 |
| Actuals include project expenditures and encumbrances. | | | | | | | | | |

## FUNDING SCHEDULE

(in thousands $)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|---|
| **Project** | **FY25** | **FY26** | | **FY27** | **FY28** | **FY29** | **FY30** | **FY31** | **Future** | |
| 26764001-IRP2 Additional Line Valves (A3) | 16,856 | 10,809 | 0 | 5,531 | 485 | 105 | 0 | 0 | 0 | 33,786 |
| Adjusted Budget includes adopted budget plus approved budget adjustments. | | | | | | | | | | |

## FUNDING SOURCES

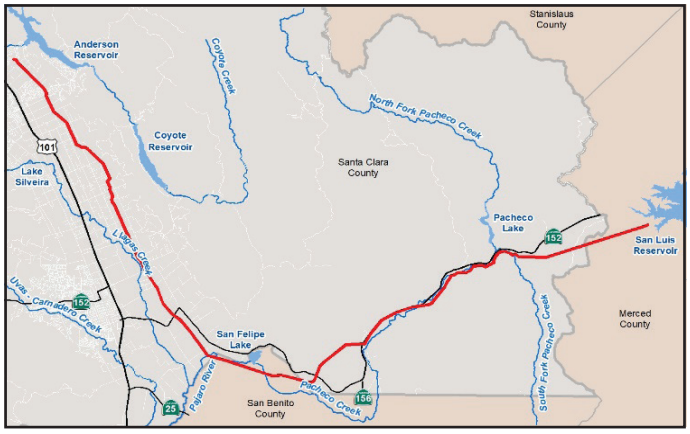
(in thousands $)

| | |
|---|---|
| SCVWD Safe, Clean Water Fund | 15,240 |
| SCVWD Water Utility Enterprise Fund | 18,546 |
| **Total** | **33,786** |

| 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:** 30 Years

## SCHEDULE & STATUS

July 2009 to September 2026

| Phase | Cost | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 | FY 32 | FY 33 | FY 34 | FY 35 | FY 36 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Planning | 557 | | | | | | | | | | | |
| Enviro | 1,201 | | | | | | | | | | | |
| Design | 1,914 | | | | | | | | | | | |
| Construct | 2,399 | | | | | | | | | | | |
| Closeout | 38 | | | | | | | | | | | |
| | **6,235** | Total project cost may include expenditures not yet allocated to a specific phase. | | | | | | | | | | |

## EXPENDITURE SCHEDULE

(in thousands $)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|
| **Project** | **FY25** | **FY26** | **FY27** | **FY28** | **FY29** | **FY30** | **FY31** | **Future** | |
| 92144001-Pacheco/Santa Clara Conduit Right-of-Way Acquisition | 2,816 | 3,381 | 38 | 0 | 0 | 0 | 0 | 0 | 6,235 |
| with inflation | 2,816 | 3,381 | 38 | 0 | 0 | 0 | 0 | 0 | 6,235 |
| Actuals include project expenditures and encumbrances. | | | | | | | | | |

## FUNDING SCHEDULE

(in thousands $)

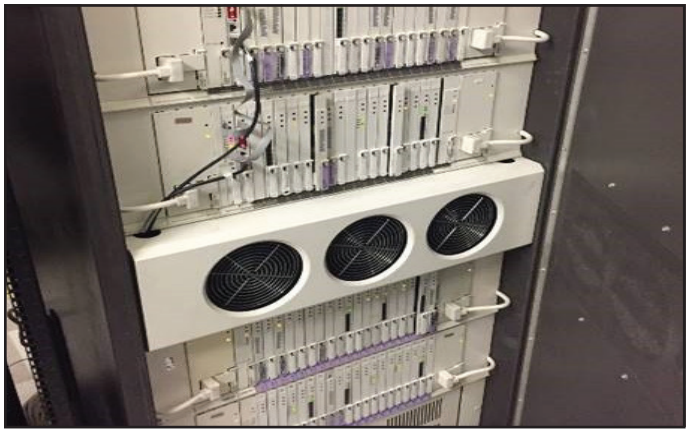
| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|---|
| **Project** | **FY25** | **FY26** | | **FY27** | **FY28** | **FY29** | **FY30** | **FY31** | **Future** | |
| 92144001-Pacheco/Santa Clara Conduit Right-of-Way Acquisition | 6,141 | 55 | 0 | 39 | 0 | 0 | 0 | 0 | 0 | 6,235 |
| Adjusted Budget includes adopted budget plus approved budget adjustments. | | | | | | | | | | |

## FUNDING SOURCES

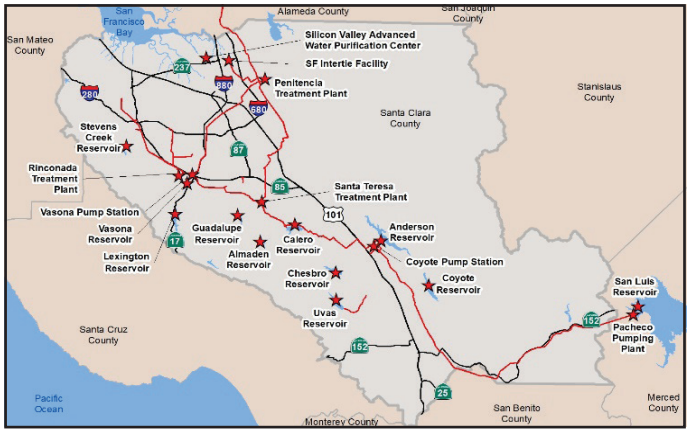
(in thousands $)

| | |
|---|---|
| SCVWD Water Utility Enterprise Fund | 6,216 |
| San Benito County Water District | 19 |
| **Total** | **6,235** |

| 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 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 | FY 32 | FY 33 | FY 34 | FY 35 | FY 36 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Planning | 5,850 | | | | | | | | | | | |
| Enviro | 22 | | | | | | | | | | | |
| Design | - | | | | | | | | | | | |
| Construct | - | | | | | | | | | | | |
| Closeout | - | | | | | | | | | | | |
| **6,501** | Total project cost may include expenditures not yet allocated to a specific phase. | | | | | | | | | | | |

## EXPENDITURE SCHEDULE

(in thousands $)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|
| **Project** | **FY25** | **FY26** | **FY27** | **FY28** | **FY29** | **FY30** | **FY31** | **Future** | |
| 95044002-SCADA Master Plan Implementation | 5,094 | 500 | 907 | 0 | 0 | 0 | 0 | 0 | 6,501 |
| with inflation | 5,094 | 500 | 907 | 0 | 0 | 0 | 0 | 0 | 6,501 |
| Actuals include project expenditures and encumbrances. | | | | | | | | | |

## FUNDING SCHEDULE

(in thousands $)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|---|
| **Project** | **FY25** | **FY26** | | **FY27** | **FY28** | **FY29** | **FY30** | **FY31** | **Future** | |
| 95044002-SCADA Master Plan Implementation | 5,759 | 510 | 674 | 233 | 0 | 0 | 0 | 0 | 0 | 6,501 |
| Adjusted Budget includes adopted budget plus approved budget adjustments. | | | | | | | | | | |

## FUNDING SOURCES

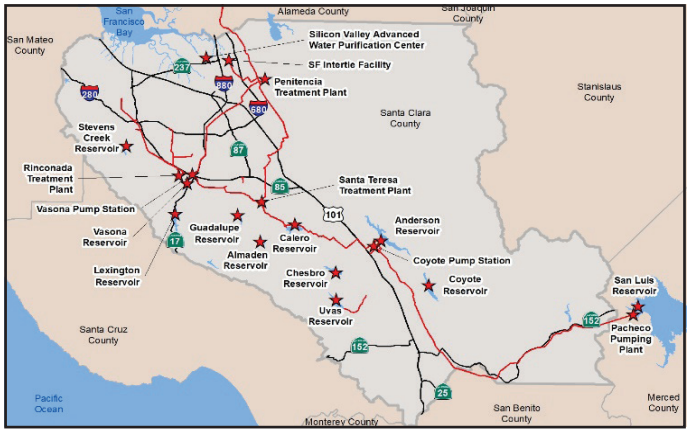
(in thousands $)

| | |
|---|---|
| SCVWD Water Utility Enterprise Fund | 6,501 |
| Other Funding Sources | 0 |
| **Total** | **6,501** |

| 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 (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.

This first set of improvements from the SCADA Master Plan Implementation Project aims 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:** 15 Years

## SCHEDULE & STATUS

July 2026 to June 2035

| Phase | Cost | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 | FY 32 | FY 33 | FY 34 | FY 35 | FY 36 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Planning | 317 | | | | | | | | | | | |
| Enviro | 300 | | | | | | | | | | | |
| Design | 900 | | | | | | | | | | | |
| Construct | 6,438 | | | | | | | | | | | |
| Closeout | 45 | | | | | | | | | | | |
| | **8,000** | Total project cost may include expenditures not yet allocated to a specific phase. | | | | | | | | | | |

## EXPENDITURE SCHEDULE

(in thousands $)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|
| **Project** | **FY25** | **FY26** | **FY27** | **FY28** | **FY29** | **FY30** | **FY31** | **Future** | |
| 95044004-SMPIP (SCADA Master Plan Implementation Project) Upgrades - Phase 1 | 0 | 0 | 367 | 610 | 1,194 | 1,090 | 1,040 | 3,699 | 8,000 |
| with inflation | 0 | 0 | 367 | 667 | 1,385 | 1,286 | 1,233 | 4,478 | 9,417 |
| Actuals include project expenditures and encumbrances. | | | | | | | | | |

## FUNDING SCHEDULE

(in thousands $)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|---|
| **Project** | **FY25** | **FY26** | | **FY27** | **FY28** | **FY29** | **FY30** | **FY31** | **Future** | |
| 95044004-SMPIP (SCADA Master Plan Implementation Project) Upgrades - Phase 1 | 586 | 0 | 586 | 0 | 448 | 1,385 | 1,286 | 1,233 | 4,478 | 9,417 |
| Adjusted Budget includes adopted budget plus approved budget adjustments. | | | | | | | | | | |

## FUNDING SOURCES

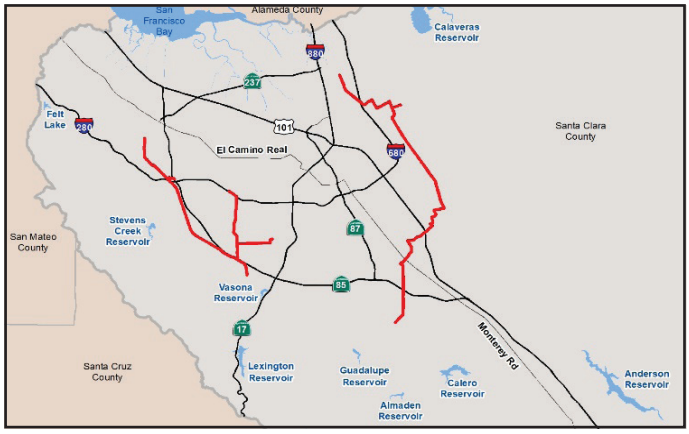
(in thousands $)

| | |
|---|---|
| SCVWD Water Utility Enterprise Fund | 9,417 |
| Other Funding Sources | 0 |
| **Total** | **9,417** |

| 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 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 FY27 include:

- Install treated water meters
- 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 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 | FY 32 | FY 33 | FY 34 | FY 35 | FY 36 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Planning | n/a | | | | | | | | | | | |
| Enviro | n/a | | | | | | | | | | | |
| Design | n/a | | | | | | | | | | | |
| Construct | n/a | | | | | | | | | | | |
| Closeout | n/a | | | | | | | | | | | |
| | **n/a** | | | | | | | | | | | |

## EXPENDITURE SCHEDULE

(in thousands $)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|
| **Project** | **FY25** | **FY26** | **FY27** | **FY28** | **FY29** | **FY30** | **FY31** | **Future** | |
| 94764006-Small Capital Improvements, Treated Water Transmission | n/a | 292 | 292 | 283 | 34 | 61 | 40 | 98 | 1,100 |
| with inflation | n/a | 292 | 292 | 310 | 39 | 73 | 50 | 132 | 1,188 |

## FUNDING SCHEDULE

(in thousands $)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|
| **Project** | **FY25** | **FY26** | | **FY27** | **FY28** | **FY29** | **FY30** | **FY31** | **Future** | |
| 94764006-Small Capital Improvements, Treated Water Transmission | n/a | 292 | 0 | 292 | 310 | 39 | 73 | 50 | 132 | 1,188 |

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

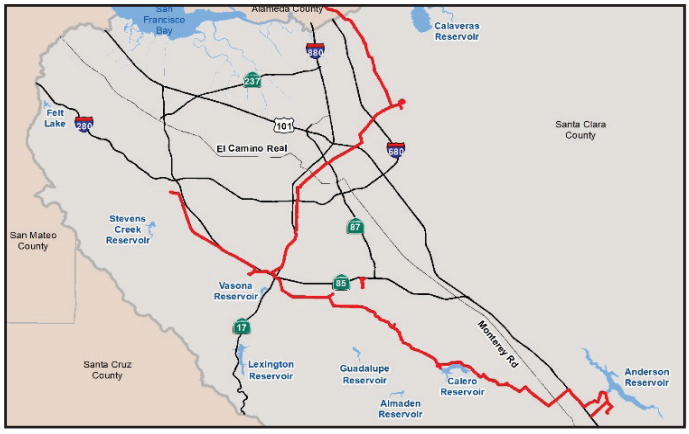
(in thousands $)

| | |
|---|---|
| SCVWD Water Utility Enterprise Fund | 1,188 |
| Other Funding Source | 0 |
| **Total** | **1,188** |

| 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 FY27 include:

- Canal Maintenance Program (CMP) implementation
- Turnout roof replacements
- Stocking spare parts for inventory
- Valley Habitat Plan purchase 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 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 | FY 32 | FY 33 | FY 34 | FY 35 | FY 36 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Planning | n/a | | | | | | | | | | | |
| Enviro | n/a | | | | | | | | | | | |
| Design | n/a | | | | | | | | | | | |
| Construct | n/a | | | | | | | | | | | |
| Closeout | n/a | | | | | | | | | | | |
| | n/a | | | | | | | | | | | |

## EXPENDITURE SCHEDULE

(in thousands $)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|
| Project | FY25 | FY26 | FY27 | FY28 | FY29 | FY30 | FY31 | Future | |
| 92764009-Small Capital Improvements, Raw Water Transmission | n/a | 1,100 | 1,430 | 749 | 650 | 650 | 650 | 3,250 | 8,479 |
| with inflation | n/a | 1,100 | 1,430 | 819 | 744 | 778 | 814 | 4,667 | 10,352 |

## FUNDING SCHEDULE

(in thousands $)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|---|
| Project | FY25 | FY26 | | FY27 | FY28 | FY29 | FY30 | FY31 | Future | |
| 92764009-Small Capital Improvements, Raw Water Transmission | n/a | 1,100 | 0 | 1,430 | 819 | 744 | 778 | 814 | 4,667 | 10,352 |
| 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

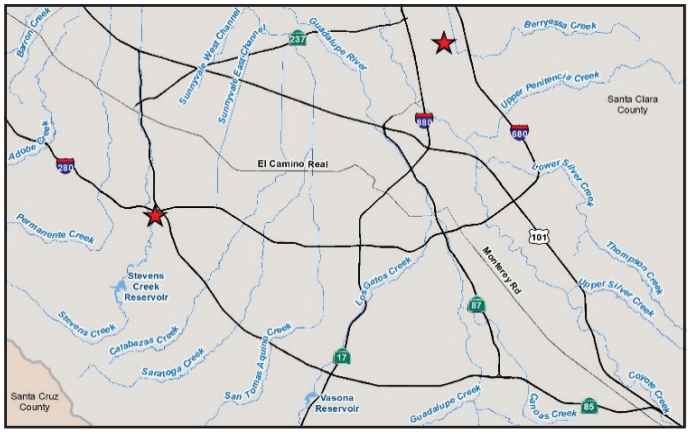
(in thousands $)

| | |
|---|---|
| SCVWD Water Utility Enterprise Fund | 10,352 |
| Other Funding Source | 0 |
| **Total** | **10,352** |

| 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 two 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 customers of the treated water system 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 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 | FY 32 | FY 33 | FY 34 | FY 35 | FY 36 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Planning | 13 | | | | | | | | | | | |
| Enviro | 0 | | | | | | | | | | | |
| Design | 1,992 | | | | | | | | | | | |
| Construct | 10,097 | | | | | | | | | | | |
| Closeout | 64 | | | | | | | | | | | |
| | **12,178** | Total project cost may include expenditures not yet allocated to a specific phase. | | | | | | | | | | |

## EXPENDITURE SCHEDULE

(in thousands $)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|
| **Project** | **FY25** | **FY26** | **FY27** | **FY28** | **FY29** | **FY30** | **FY31** | **Future** | |
| 94084007-Treated Water Isolation Valves | 1,705 | 4,718 | 806 | 2,105 | 2,653 | 191 | 0 | 0 | 12,178 |
| with inflation | 1,705 | 4,718 | 806 | 2,328 | 2,969 | 229 | 0 | 0 | 12,755 |
| Actuals include project expenditures and encumbrances. | | | | | | | | | |

## FUNDING SCHEDULE

(in thousands $)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|---|
| **Project** | **FY25** | **FY26** | | **FY27** | **FY28** | **FY29** | **FY30** | **FY31** | **Future** | |
| 94084007-Treated Water Isolation Valves | 3,891 | 2,531 | 0 | 806 | 2,328 | 2,969 | 229 | 0 | 0 | 12,755 |
| Adjusted Budget includes adopted budget plus approved budget adjustments. | | | | | | | | | | |

## FUNDING SOURCES

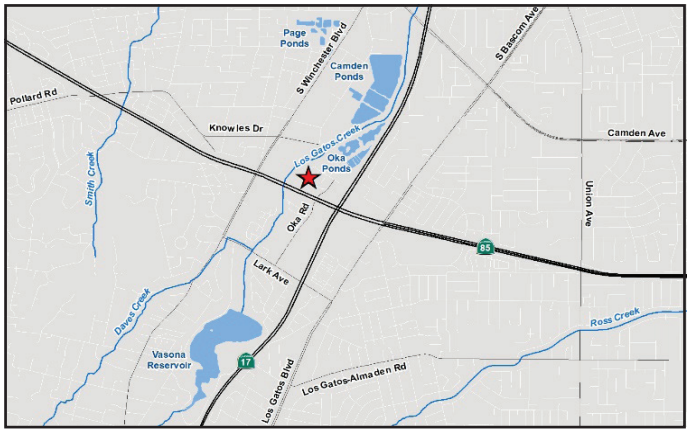
(in thousands $)

| | |
|---|---|
| SCVWD Water Utility Enterprise Fund | 12,755 |
| Other Funding Sources | 0 |
| **Total** | **12,755** |

| 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 will plan, design, and construct improvements to the Vasona Pump Station, including replacing aging pumps, motors, drives, valves, actuators, and electrical and control systems that have reached the end of their useful life, and adding a 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 January 2034

| Phase | Cost | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 | FY 32 | FY 33 | FY 34 | FY 35 | FY 36 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Planning | 1,488 | | | | | | | | | | | |
| Enviro | 18 | | | | | | | | | | | |
| Design | 7,763 | | | | | | | | | | | |
| Construct | 22,923 | | | | | | | | | | | |
| Closeout | 70 | | | | | | | | | | | |
| | **32,350** | Total project cost may include expenditures not yet allocated to a specific phase. | | | | | | | | | | |

## EXPENDITURE SCHEDULE

(in thousands $)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|
| **Project** | **FY25** | **FY26** | **FY27** | **FY28** | **FY29** | **FY30** | **FY31** | **Future** | |
| 92264001-Vasona Pump Station Upgrade | 3,340 | 1,698 | 1,831 | 816 | 816 | 20,686 | 1,281 | 1,882 | 32,350 |
| with inflation | 3,340 | 1,698 | 1,831 | 893 | 934 | 25,771 | 1,604 | 2,520 | 38,590 |
| Actuals include project expenditures and encumbrances. | | | | | | | | | |

## FUNDING SCHEDULE

(in thousands $)

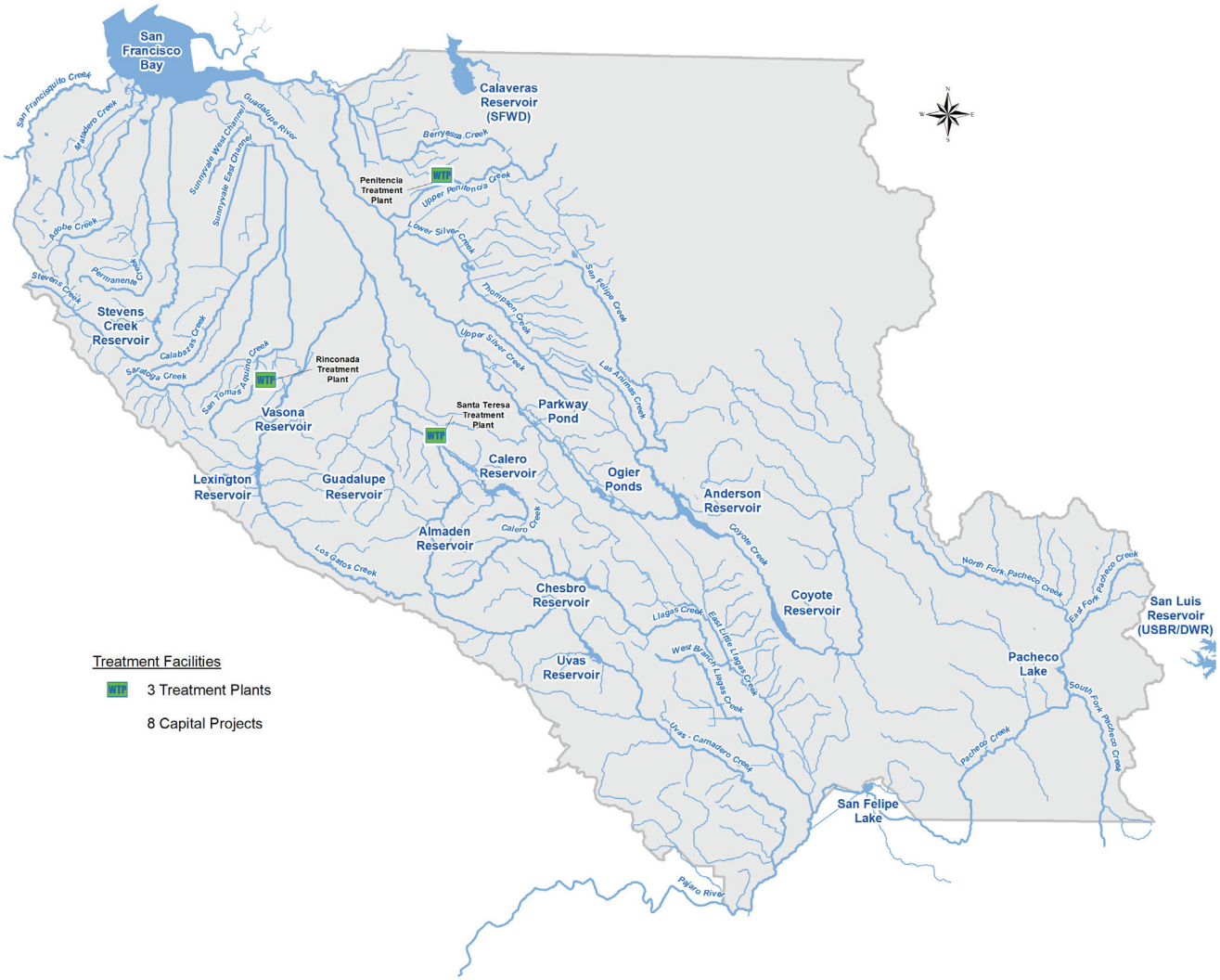
| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|
| **Project** | **FY25** | **FY26** | | **FY27** | **FY28** | **FY29** | **FY30** | **FY31** | **Future** | |
| 92264001-Vasona Pump Station Upgrade | 5,921 | 1,698 | 2,582 | 0 | 143 | 934 | 25,771 | 1,604 | 2,520 | 38,590 |
| Adjusted Budget includes adopted budget plus approved budget adjustments. | | | | | | | | | | |

## FUNDING SOURCES

(in thousands $)

| | |
|---|---|
| SCVWD Water Utility Enterprise Fund | 38,590 |
| Other Funding Sources | 0 |
| **Total** | **38,590** |

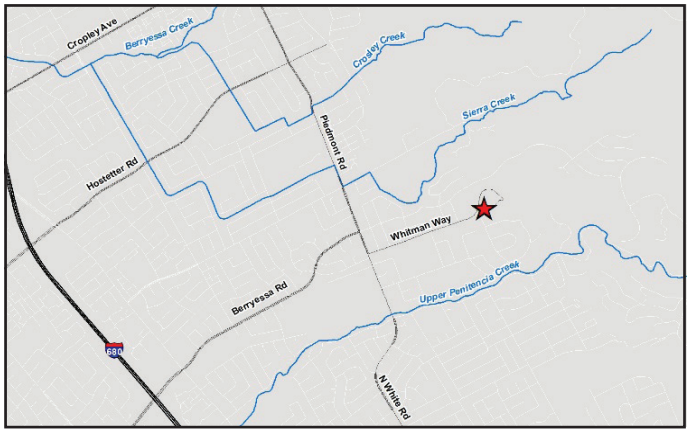
# Treatment Facilities



| 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 residuals management processes
- Minimize or eliminate operational constraints and impacts to the drinking water treatment process
- Minimize the 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 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 | FY 32 | FY 33 | FY 34 | FY 35 | FY 36 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Planning | 278 | | | | | | | | | | | |
| Enviro | 355 | | | | | | | | | | | |
| Design | 7,974 | | | | | | | | | | | |
| Construct | 121,468 | | | | | | | | | | | |
| Closeout | 75 | | | | | | | | | | | |
| | **130,272** | Total project cost may include expenditures not yet allocated to a specific phase. | | | | | | | | | | |

## EXPENDITURE SCHEDULE

(in thousands $)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|
| **Project** | **FY25** | **FY26** | **FY27** | **FY28** | **FY29** | **FY30** | **FY31** | **Future** | |
| 93234044-PWTP Residuals Management | 7,996 | 22,809 | 34,408 | 40,933 | 13,685 | 10,441 | 0 | 0 | 130,272 |
| with inflation | 7,996 | 22,809 | 34,408 | 41,256 | 14,160 | 11,001 | 0 | 0 | 131,630 |
| Actuals include project expenditures and encumbrances. | | | | | | | | | |

## FUNDING SCHEDULE

(in thousands $)

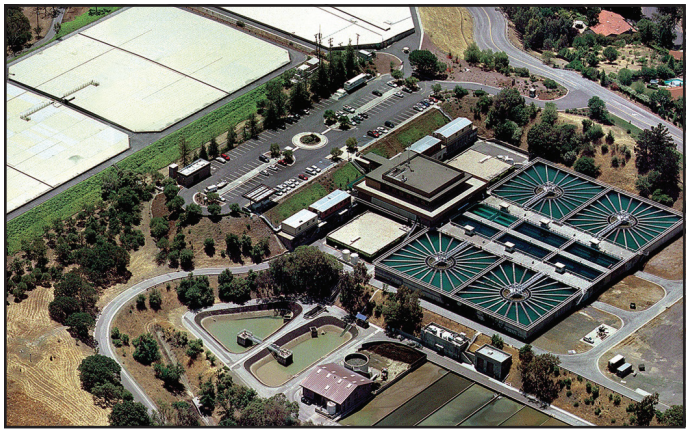
| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|---|
| **Project** | **FY25** | **FY26** | | **FY27** | **FY28** | **FY29** | **FY30** | **FY31** | **Future** | |
| 93234044-PWTP Residuals Management | 15,017 | 15,788 | 0 | 34,408 | 41,256 | 14,160 | 11,001 | 0 | 0 | 131,630 |
| Adjusted Budget includes adopted budget plus a planned budget adjustment of $15 thousand. | | | | | | | | | | |

## FUNDING SOURCES

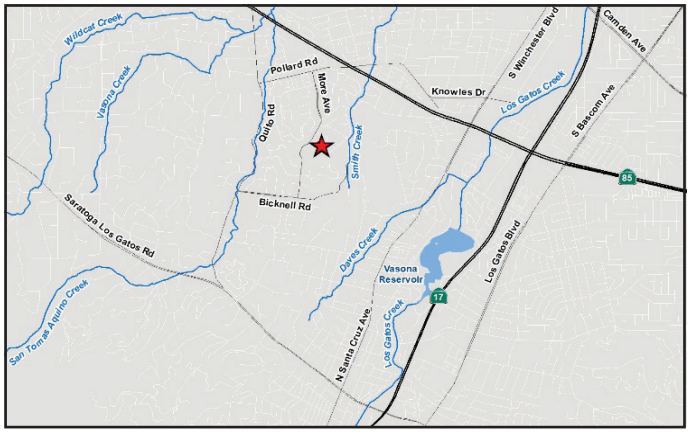
(in thousands $)

| | |
|---|---|
| SCVWD Water Utility Enterprise Fund | 131,630 |
| Other Funding Sources | 0 |
| **Total** | **131,630** |

| 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 Location

## PROJECT DESCRIPTION

This project plans, designs, and constructs new facilities at the 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 gallons per day to 100 million gallons per day (MGD)

## 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 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 | FY 32 | FY 33 | FY 34 | FY 35 | FY 36 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Planning | 1,813 | | | | | | | | | | | |
| Enviro | 309 | | | | | | | | | | | |
| Design | 21,917 | | | | | | | | | | | |
| Construct | 670,894 | | | | | | | | | | | |
| Closeout | 120 | | | | | | | | | | | |
| | **707,437** | Total project cost may include expenditures not yet allocated to a specific phase. | | | | | | | | | | |

## EXPENDITURE SCHEDULE

(in thousands $)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|
| **Project** | **FY25** | **FY26** | **FY27** | **FY28** | **FY29** | **FY30** | **FY31** | **Future** | |
| 93294057-RWTP Reliability Improvement | 373,777 | 113,981 | 124,411 | 56,338 | 38,810 | 120 | 0 | 0 | 707,437 |
| with inflation | 373,777 | 113,981 | 124,411 | 62,782 | 43,704 | 144 | 0 | 0 | 718,799 |
| Actuals include project expenditures and encumbrances. | | | | | | | | | |

## FUNDING SCHEDULE

(in thousands $)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|---|
| **Project** | **FY25** | **FY26** | | **FY27** | **FY28** | **FY29** | **FY30** | **FY31** | **Future** | |
| 93294057-RWTP Reliability Improvement | 374,909 | 112,849 | 0 | 124,411 | 62,782 | 43,704 | 144 | 0 | 0 | 718,799 |
| Adjusted Budget includes adopted budget plus a budget adjustment of $44 thousand. | | | | | | | | | | |

## FUNDING SOURCES

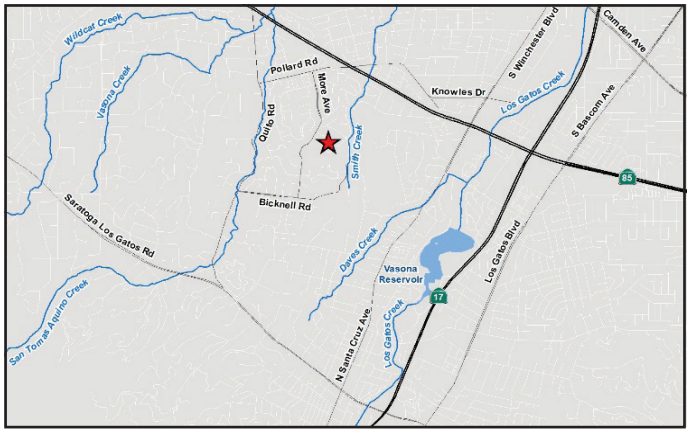
(in thousands $)

| | |
|---|---|
| SCVWD Water Utility Enterprise Fund | 718,799 |
| Other Funding Source | 0 |
| **Total** | **718,799** |

| PROJECT | RWTP Liquid Ammonium Sulfate Facility | | |
|---|---|---|---|
| **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 the end of its useful life and will be replaced with two (2) tanks to store liquid ammonium sulfate (40% solution), 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 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 2029

| Phase | Cost | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 | FY 32 | FY 33 | FY 34 | FY 35 | FY 36 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Planning | 63 | | | | | | | | | | | |
| Enviro | - | | | | | | | | | | | |
| Design | 1,943 | | | | | | | | | | | |
| Construct | 4,227 | | | | | | | | | | | |
| Closeout | 75 | | | | | | | | | | | |
| | **6,313** | Total project cost may include expenditures not yet allocated to a specific phase. | | | | | | | | | | |

## EXPENDITURE SCHEDULE

(in thousands $)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|
| **Project** | **FY25** | **FY26** | **FY27** | **FY28** | **FY29** | **FY30** | **FY31** | **Future** | |
| 93294059-RWTP Liquid Ammonium Sulfate Facility | 75 | 625 | 977 | 2,483 | 2,152 | 0 | 0 | 0 | 6,313 |
| with inflation | 75 | 625 | 977 | 2,748 | 2,404 | 0 | 0 | 0 | 6,829 |
| Actuals include project expenditures and encumbrances. | | | | | | | | | |

## FUNDING SCHEDULE

(in thousands $)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|
| **Project** | **FY25** | **FY26** | | **FY27** | **FY28** | **FY29** | **FY30** | **FY31** | **Future** | |
| 93294059-RWTP Liquid Ammonium Sulfate Facility | 1,107 | 527 | 934 | 43 | 2,748 | 2,404 | 0 | 0 | 0 | 6,829 |
| Adjusted Budget includes adopted budget plus approved budget adjustments. | | | | | | | | | | |

## FUNDING SOURCES

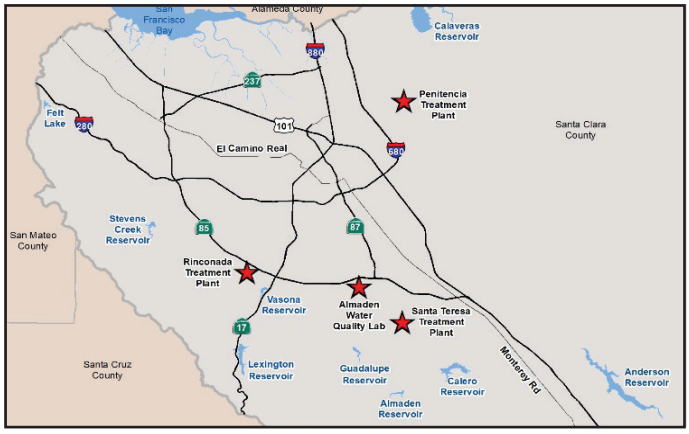
(in thousands $)

| | |
|---|---|
| SCVWD Water Utility Enterprise Fund | 6,829 |
| Other Funding Sources | 0 |
| **Total** | **6,829** |

| 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 DESCRIPTION

This project provides resources for small capital improvements that replace or extend the life of an asset. This project implements a systematic approach to equipment replacement and renewal at the three water treatment plants and the 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 maintenance 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 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 | FY 32 | FY 33 | FY 34 | FY 35 | FY 36 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Planning | n/a | | | | | | | | | | | |
| Enviro | n/a | | | | | | | | | | | |
| Design | n/a | | | | | | | | | | | |
| Construct | n/a | | | | | | | | | | | |
| Closeout | n/a | | | | | | | | | | | |
| | **n/a** | | | | | | | | | | | |

## EXPENDITURE SCHEDULE

(in thousands $)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|
| **Project** | **FY25** | **FY26** | **FY27** | **FY28** | **FY29** | **FY30** | **FY31** | **Future** | |
| 93764004-Small Capital Improvements, Water Treatment | n/a | 13,186 | 9,055 | 5,981 | 5,779 | 3,941 | 13,064 | 64,493 | 115,499 |
| with inflation | n/a | 13,186 | 9,055 | 6,544 | 6,614 | 4,718 | 16,358 | 93,253 | 149,727 |

## FUNDING SCHEDULE

(in thousands $)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|---|
| **Project** | **FY25** | **FY26** | | **FY27** | **FY28** | **FY29** | **FY30** | **FY31** | **Future** | |
| 93764004-Small Capital Improvements, Water Treatment | n/a | 13,186 | 0 | 9,055 | 6,544 | 6,614 | 4,718 | 16,358 | 93,253 | 149,727 |

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

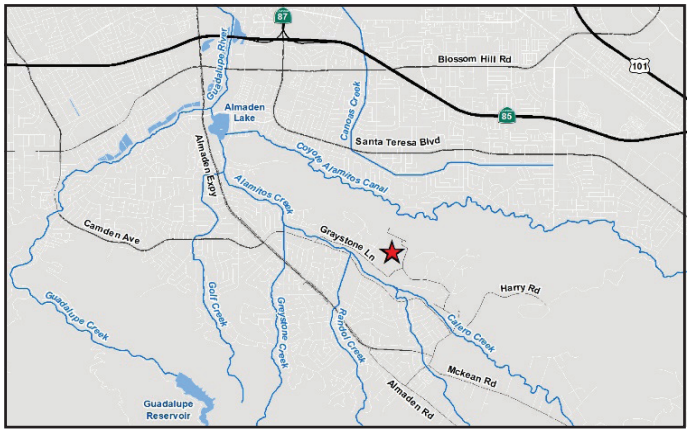
(in thousands $)

| | |
|---|---|
| SCVWD Water Utility Enterprise Fund | 149,727 |
| Other Funding Source | 0 |
| **Total** | **149,727** |

| PROJECT | Santa Teresa Water Treatment Plant Infrastructure Rehabilitation Project | | |
|---|---|---|---|
| **PROGRAM** | Water Supply – Treatment | **CONTACT** | Emmanuel Aryee |
| **PROJECT NO.** | 93284014 | | earyee@valleywater.org |



Santa Teresa Water Treatment Plant




Location Map

## PROJECT DESCRIPTION

The Santa Teresa Water Treatment Plant Infrastructure Rehabilitation Project implements water treatment plant facility upgrades to address regulatory-driven changes and aging infrastructure repair or replacement, meet reliability standards, improve sustainability, and achieve other operational improvements.

## OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

**USEFUL LIFE:**

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

## SCHEDULE & STATUS

July 2026 to June 2034

| Phase | Cost | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 | FY 32 | FY 33 | FY 34 | FY 35 | FY 36 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Planning | - | | | | | | | | | | | |
| Enviro | - | | | | | | | | | | | |
| Design | 26,619 | | | | | | | | | | | |
| Construct | 159,593 | | | | | | | | | | | |
| Closeout | - | | | | | | | | | | | |
| | **186,212** | Total project cost may include expenditures not yet allocated to a specific phase. | | | | | | | | | | |

## EXPENDITURE SCHEDULE

(in thousands $)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|
| **Project** | **FY25** | **FY26** | **FY27** | **FY28** | **FY29** | **FY30** | **FY31** | **Future** | |
| 93284014-Santa Teresa Water Treatment Plant Infrastructure Rehabilitation Project | 0 | 0 | 1,628 | 5,329 | 5,359 | 5,343 | 37,452 | 131,101 | 186,212 |
| with inflation | 0 | 0 | 1,628 | 5,830 | 6,133 | 6,396 | 48,744 | 173,938 | 242,669 |
| Actuals include project expenditures and encumbrances. | | | | | | | | | |

## FUNDING SCHEDULE

(in thousands $)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|---|
| **Project** | **FY25** | **FY26** | | **FY27** | **FY28** | **FY29** | **FY30** | **FY31** | **Future** | |
| 93284014-Santa Teresa Water Treatment Plant Infrastructure Rehabilitation Project | 0 | 0 | 0 | 1,628 | 5,830 | 6,133 | 6,396 | 48,744 | 173,938 | 242,669 |
| Adjusted Budget includes adopted budget plus approved budget adjustments. | | | | | | | | | | |

## FUNDING SOURCES

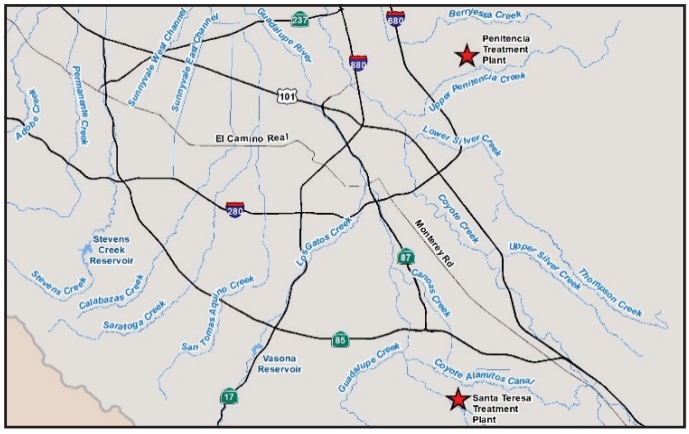
(in thousands $)

| | |
|---|---|
| SCVWD Water Utility Enterprise Fund | 242,669 |
| Other Funding Source | 0 |
| **Total** | **242,669** |

| 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 the Penitencia Water Treatment Plant (PWTP) and the 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 August 2030

| Phase | Cost | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 | FY 32 | FY 33 | FY 34 | FY 35 | FY 36 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Planning | 310 | | | | | | | | | | | |
| Enviro | 4 | | | | | | | | | | | |
| Design | 4,290 | | | | | | | | | | | |
| Construct | 13,614 | | | | | | | | | | | |
| Closeout | 75 | | | | | | | | | | | |
| | **18,422** | Total project cost may include expenditures not yet allocated to a specific phase. | | | | | | | | | | |

## EXPENDITURE SCHEDULE

(in thousands $)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|
| **Project** | **FY25** | **FY26** | **FY27** | **FY28** | **FY29** | **FY30** | **FY31** | **Future** | |
| 93084004-Water Treatment Plant Electrical Improvement | 2,520 | 575 | 2,265 | 5,754 | 4,413 | 2,869 | 25 | 0 | 18,422 |
| with inflation | 2,520 | 575 | 2,265 | 6,082 | 4,796 | 3,250 | 32 | 0 | 19,520 |
| Actuals include project expenditures and encumbrances. | | | | | | | | | |

## FUNDING SCHEDULE

(in thousands $)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|---|
| **Project** | **FY25** | **FY26** | | **FY27** | **FY28** | **FY29** | **FY30** | **FY31** | **Future** | |
| 93084004-Water Treatment Plant Electrical Improvement | 4,610 | 648 | 2,162 | 103 | 6,082 | 4,796 | 3,250 | 32 | 0 | 19,520 |
| Adjusted Budget includes adopted budget plus approved budget adjustments. | | | | | | | | | | |

## FUNDING SOURCES

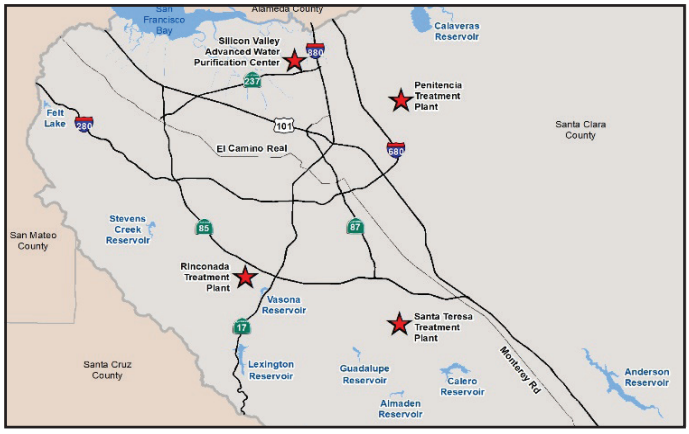
(in thousands $)

| | |
|---|---|
| SCVWD Water Utility Enterprise Fund | 19,520 |
| Other Funding Sources | 0 |
| **Total** | **19,520** |

| 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 Location

## 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 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, and 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 June 2031

| Phase | Cost | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 | FY 32 | FY 33 | FY 34 | FY 35 | FY 36 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Planning | 12,414 | | | | | | | | | | | |
| Enviro | 134 | | | | | | | | | | | |
| Design | - | | | | | | | | | | | |
| Construct | - | | | | | | | | | | | |
| Closeout | - | | | | | | | | | | | |
| **16,088** | Total project cost may include expenditures not yet allocated to a specific phase. | | | | | | | | | | | |

## EXPENDITURE SCHEDULE

(in thousands $)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|
| **Project** | **FY25** | **FY26** | **FY27** | **FY28** | **FY29** | **FY30** | **FY31** | **Future** | |
| 93044001-WTP Master Plan Implementation Project | 8,528 | 600 | 1,360 | 1,400 | 1,400 | 1,400 | 1,400 | 0 | 16,088 |
| with inflation | 8,528 | 600 | 1,360 | 1,532 | 1,602 | 1,676 | 1,754 | 0 | 17,051 |
| Actuals include project expenditures and encumbrances. | | | | | | | | | |

## FUNDING SCHEDULE

(in thousands $)

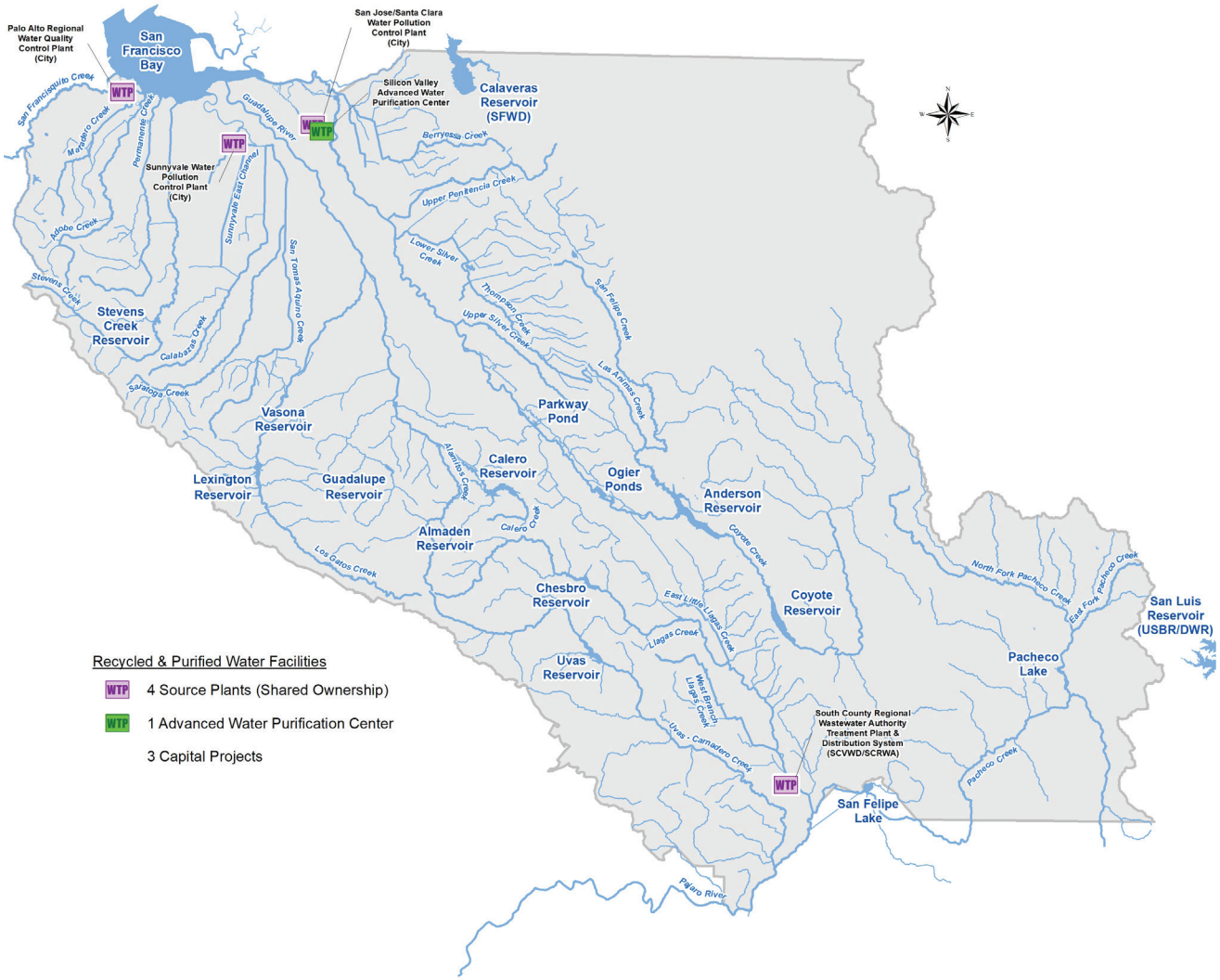
| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|---|
| **Project** | **FY25** | **FY26** | | **FY27** | **FY28** | **FY29** | **FY30** | **FY31** | **Future** | |
| 93044001-WTP Master Plan Implementation Project | 8,978 | 272 | 123 | 1,237 | 1,532 | 1,602 | 1,676 | 1,754 | 0 | 17,051 |
| Adjusted Budget includes adopted budget plus approved budget adjustments. | | | | | | | | | | |

## FUNDING SOURCES

(in thousands $)

| | |
|---|---|
| SCVWD Water Utility Enterprise Fund | 17,051 |
| Other Funding Sources | 0 |
| **Total** | **17,051** |

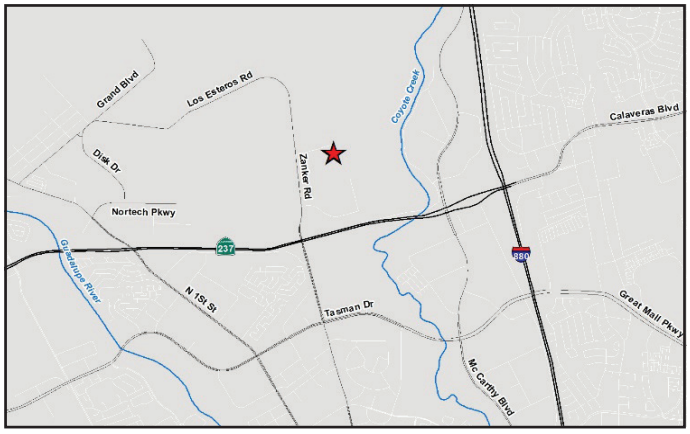
# Recycled & Purified Water Facilities



| PROJECT | Pure Water Silicon Valley - Phase 1 | | |
|---|---|---|---|
| **PROGRAM** | Water Supply - Recycled Water | **CONTACT** | Kirsten Struve |
| **PROJECT NO.** | 91294001 | | kstruve@valleywater.org |




Rendition of Future Facility




Location Map

## 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 a 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 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 | FY 32 | FY 33 | FY 34 | FY 35 | FY 36 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Planning | 12,407 | | | | | | | | | | | |
| Enviro | 2,303 | | | | | | | | | | | |
| Design | 27,748 | | | | | | | | | | | |
| Construct | 56,763 | | | | | | | | | | | |
| Closeout | 250 | | | | | | | | | | | |
| | **101,081** | Total project cost may include expenditures not yet allocated to a specific phase. | | | | | | | | | | |

## EXPENDITURE SCHEDULE

(in thousands $)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|
| **Project** | **FY25** | **FY26** | **FY27** | **FY28** | **FY29** | **FY30** | **FY31** | **Future** | |
| 91294001-Pure Water Silicon Valley - Phase 1 | 9,237 | 7,451 | 16,256 | 28,341 | 32,209 | 7,337 | 250 | 0 | 101,081 |
| with inflation | 9,237 | 7,451 | 16,256 | 30,384 | 34,931 | 8,189 | 313 | 0 | 106,762 |
| Actuals include project expenditures and encumbrances. | | | | | | | | | |

## FUNDING SCHEDULE

(in thousands $)

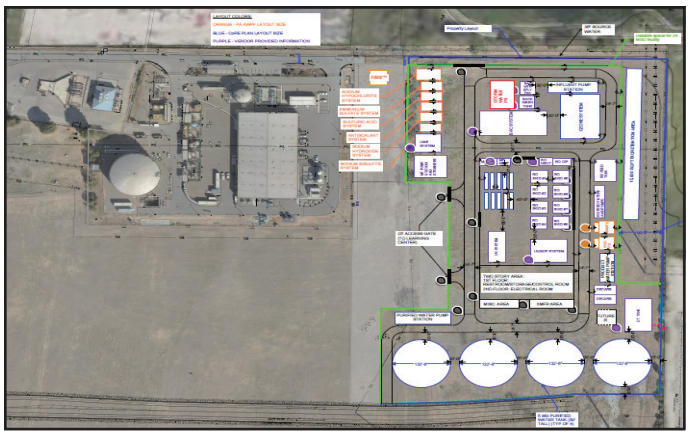
| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|---|
| **Project** | **FY25** | **FY26** | | **FY27** | **FY28** | **FY29** | **FY30** | **FY31** | **Future** | |
| 91294001-Pure Water Silicon Valley - Phase 1 | 9,294 | 7,394 | 0 | 16,256 | 30,384 | 34,931 | 8,189 | 313 | 0 | 106,762 |
| Adjusted Budget includes adopted budget plus approved budget adjustments. | | | | | | | | | | |

## FUNDING SOURCES

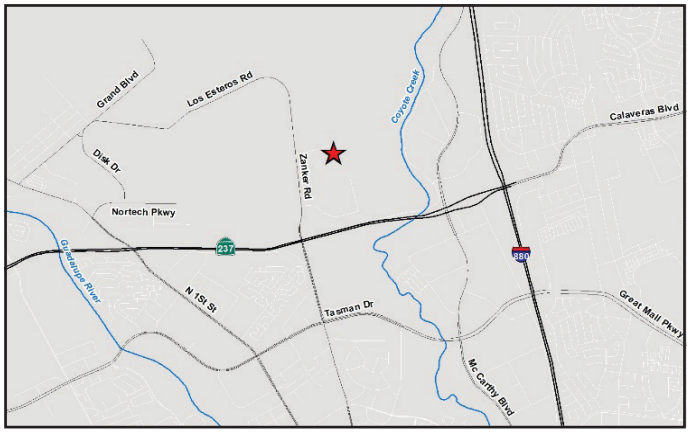
(in thousands $)

| | |
|---|---|
| SCVWD Water Utility Enterprise Fund | 106,762 |
| Other Funding Sources | 0 |
| **Total** | **106,762** |

| PROJECT | Pure Water Silicon Valley - Full-Scale Direct Potable Reuse (DPR) Facility | | |
|---|---|---|---|
| **PROGRAM** | Water Supply – Recycled Water | **CONTACT** | Kirsten Struve |
| **PROJECT NO.** | 91294002 | | kstruve@valleywater.org |



Proposed DPR Facility Layout




Location Map

## PROJECT DESCRIPTION

The design, construction, and operation of the DPR Full-Scale Facility (or Pure Water Silicon Valley DPR Facility) will be located next to the Silicon Valley Advanced Water Purification Facility and DPR Demonstration Facility in San José. The PWSV DPR Facility will be capable of producing up to 24,000 acre-feet per year (AFY) of purified water originating from the San José – Santa Clara Regional Wastewater Facility. The highly purified water will be distributed by Valley Water and become part of its potable water supply portfolio. The treatment train for the full-scale facility will consist of ozone, biological activated carbon, membrane filtration (UF/MF), reverse osmosis, ultraviolet light, advanced oxidation, and chlorination as approved by the State Water Resources Control Board and the Department of Drinking Water DPR Regulation promulgated in 2024.

## OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

**USEFUL LIFE:** 30 Years

## SCHEDULE & STATUS

July 2026 to April 2036

| Phase | Cost | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 | FY 32 | FY 33 | FY 34 | FY 35 | FY 36 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Planning | 6,896 | | | | | | | | | | | |
| Enviro | 5,148 | | | | | | | | | | | |
| Design | 116,544 | | | | | | | | | | | |
| Construct | 1,653,879 | | | | | | | | | | | |
| Closeout | 1,000 | | | | | | | | | | | |
| | **1,783,466** | Total project cost may include expenditures not yet allocated to a specific phase. | | | | | | | | | | |

## EXPENDITURE SCHEDULE

(in thousands $)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|
| **Project** | **FY25** | **FY26** | **FY27** | **FY28** | **FY29** | **FY30** | **FY31** | **Future** | |
| 91294002-Pure Water Silicon Valley - Full-Scale Direct Potable Reuse (DPR) Facility | 0 | 0 | 1,877 | 1,869 | 35,035 | 68,041 | 16,346 | 1,660,299 | 1,783,466 |
| with inflation | 0 | 0 | 1,877 | 2,045 | 40,096 | 81,451 | 20,468 | 2,302,987 | 2,448,924 |
| Actuals include project expenditures and encumbrances. | | | | | | | | | |

## FUNDING SCHEDULE

(in thousands $)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|---|
| **Project** | **FY25** | **FY26** | | **FY27** | **FY28** | **FY29** | **FY30** | **FY31** | **Future** | |
| 91294002-Pure Water Silicon Valley - Full-Scale Direct Potable Reuse (DPR) Facility | 0 | 0 | 0 | 1,877 | 2,045 | 40,096 | 81,451 | 20,468 | 2,302,987 | 2,448,924 |
| Adjusted Budget includes adopted budget plus approved budget adjustments. | | | | | | | | | | |

## FUNDING SOURCES

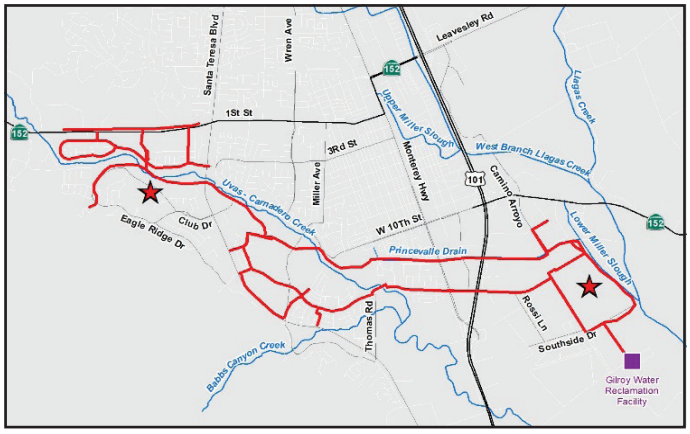
(in thousands $)

| | |
|---|---|
| SCVWD Water Utility Enterprise Fund | 2,448,924 |
| Other Funding Source | 0 |
| **Total** | **2,448,924** |

| 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 part of an agreement with the South County Regional Wastewater Authority (SCRWA). It has been determined that there are insufficient or 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 its commitment to deliver recycled water to 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 Valley Water's 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 2027

| Phase | Cost | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 | FY 32 | FY 33 | FY 34 | FY 35 | FY 36 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Planning | - | | | | | | | | | | | |
| Enviro | 14 | | | | | | | | | | | |
| Design | 7,052 | | | | | | | | | | | |
| Construct | - | | | | | | | | | | | |
| Closeout | 28 | | | | | | | | | | | |
| | **7,124** | Total project cost may include expenditures not yet allocated to a specific phase. | | | | | | | | | | |

## EXPENDITURE SCHEDULE

(in thousands $)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|
| **Project** | **FY25** | **FY26** | **FY27** | **FY28** | **FY29** | **FY30** | **FY31** | **Future** | |
| 91094001-Land Rights - South County Recycled Water Pipeline | 325 | 3,451 | 3,349 | 0 | 0 | 0 | 0 | 0 | 7,124 |
| with inflation | 325 | 3,451 | 3,349 | 0 | 0 | 0 | 0 | 0 | 7,124 |
| Actuals include project expenditures and encumbrances. | | | | | | | | | |

## FUNDING SCHEDULE

(in thousands $)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|---|
| **Project** | **FY25** | **FY26** | | **FY27** | **FY28** | **FY29** | **FY30** | **FY31** | **Future** | |
| 91094001-Land Rights - South County Recycled Water Pipeline | 6,825 | 152 | 3,201 | 147 | 0 | 0 | 0 | 0 | 0 | 7,124 |
| Adjusted Budget includes adopted budget plus approved budget adjustments. | | | | | | | | | | |

## FUNDING SOURCES

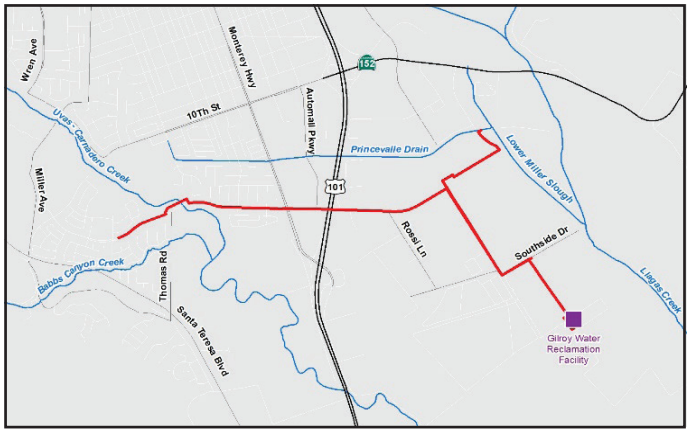
(in thousands $)

| | |
|---|---|
| SCVWD Water Utility Enterprise Fund | 7,124 |
| Other Funding Sources | 0 |
| **Total** | **7,124** |

| 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), which will construct an additional 18,500 linear feet of pipeline
- 91094010 – South County Recycled Water Pipeline (Short Term Phase 2, Long Term 3), which will be completed through cost-sharing opportunities with the City of Gilroy and land developers to construct a 30-inch diameter pipeline.

This project (91094010) is anticipated to be completed and closed by June 30, 2026.

## OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

**USEFUL LIFE:** Pipelines – 50 Years
Pumps – 20 Years

## SCHEDULE & STATUS

July 2009 to December 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 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 | FY 32 | FY 33 | FY 34 | FY 35 | FY 36 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Planning | 2,389 | | | | | | | | | | | |
| Enviro | 658 | | | | | | | | | | | |
| Design | 11,143 | | | | | | | | | | | |
| Construct | 47,784 | | | | | | | | | | | |
| Closeout | 224 | | | | | | | | | | | |
| **63,460** | Total project cost may include expenditures not yet allocated to a specific phase. | | | | | | | | | | | |

## EXPENDITURE SCHEDULE

(in thousands $)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|
| **Project** | **FY25** | **FY26** | **FY27** | **FY28** | **FY29** | **FY30** | **FY31** | **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 | 40,785 | 4,927 | 89 | 0 | 0 | 0 | 0 | 0 | 45,800 |
| with inflation | 40,785 | 4,927 | 89 | 0 | 0 | 0 | 0 | 0 | 45,800 |
| 91094010-South County Recycled Water Pipeline - Short Term 2, Long Term 3 | 8,186 | 825 | 0 | 0 | 0 | 0 | 0 | 0 | 9,011 |
| with inflation | 8,186 | 825 | 0 | 0 | 0 | 0 | 0 | 0 | 9,011 |
| **TOTAL** | **57,618** | **5,752** | **89** | **0** | **0** | **0** | **0** | **0** | **63,460** |
| **with inflation** | **57,618** | **5,752** | **89** | **0** | **0** | **0** | **0** | **0** | **63,460** |
| Actuals include project expenditures and encumbrances. | | | | | | | | | |

## FUNDING SCHEDULE

(in thousands $)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|---|
| **Project** | **FY25** | **FY26** | | **FY27** | **FY28** | **FY29** | **FY30** | **FY31** | **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 | 42,680 | 3,032 | 0 | 89 | 0 | 0 | 0 | 0 | 0 | 45,800 |
| 91094010-South County Recycled Water Pipeline - Short Term 2, Long Term 3 | 8,618 | 393 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9,011 |
| **TOTAL** | **59,946** | **3,425** | **0** | **89** | **0** | **0** | **0** | **0** | **0** | **63,460** |
| Adjusted Budget includes adopted budget plus approved budget adjustments. | | | | | | | | | | |

## FUNDING SOURCES

(in thousands $)

| | |
|---|---|
| SCVWD Water Utility Enterprise Fund | 55,654 |
| 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** | **63,460** |