Water Supply Capital Improvements

WATER SUPPLY OVERVIEW

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

Storage Facilities

- 10 surface reservoirs
- 285 acres of recharge ponds
- 98 miles of in-stream recharge
- Groundwater basins

Transmission Facilities

- 142 miles of pipelines
- 3 pump stations

Treatment Facilities

- 3 treatment plants

Recycled & Purified Water Facilities

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

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

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

The Rinconada Water Treatment Plant (RWTP) was built in the late 1960s and is reaching the end of its useful life. A number of projects to upgrade and improve operations have been completed. The RWTP Reliability Improvement Project will add raw water ozonation, construct new flocculation and plate settler clarification, and dual media filtration facilities. It will also increase plant capacity from 80 to 100 million gallons per day. Construction of this Project began in the summer of 2015. Phases 1 and 2 were completed in early 2021. For Phases 3 through 6, the construction completion is currently anticipated for 2029.

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

Valley Water owns and operates ten dams. While these dams provide water supply, flood management, recreation, and environmental flow benefits, there are consequences and costs for dam ownership. Knowledge of seismic stability design and construction was very rudimentary during the design and construction of Valley Water dams in the 1930s and 1950s. Both liquefaction of dam embankments and foundations and embankment stability must be addressed for seismic stability. Several of Valley Water's reservoirs have had operating restrictions imposed by the Department of Safety of Dams (DSOD) while an engineering analysis of how Valley Water's dams would perform under a major seismic event is completed and appropriate corrective actions are implemented.

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

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

Water Supply Capital Improvements

Almaden Dam, the Almaden Calero-Canal Rehabilitation was initiated in FY 2023-24. Seismic stability evaluations were conducted at Lenihan and Stevens Creek Dams. Both were found to be seismically stable.

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

Major Capital Improvements Identified in the CIP

On Nov. 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 our 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: secure existing supplies and infrastructure, expand conservation and reuse, and optimize 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 Dam Seismic Retrofit - Design & Construction
- Guadalupe Dam Seismic Retrofit - Design & Construction
- Calero and Guadalupe Dams Seismic Retrofits - Planning
- Coyote Dam Seismic Stability
- Coyote Pumping Plant ASD Replacement
- Dam Seismic Stability Evaluation
- Small Capital Improvements, San Felipe Reaches 1-3
- Pacheco Reservoir Expansion Project

Transmission Facilities

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

Treatment Facilities - Water Treatment Plants (WTP)

- Penitencia WTP Residuals Management
- Rinconada WTP Reliability Improvement
- Rinconada Ammonia Storage & Metering Facility Upgrade
- Small Capital Improvements, Water Treatment
- Santa Teresa WTP Infrastructure Rehabilitation Project
- WTP Electrical Improvement Project
- 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

Water Supply Capital Improvements

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 Draft 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 budgeted and forecasted through operating projects. They are also included and 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 continues coordinating with water supply planning staff. The WSMP 2050 assumes that capital projects included in the Five-Year Plan, which repair/replace existing infrastructure, are a baseline for inclusion in their planning efforts.

Operations and Maintenance Costs

It is understood that new capital projects have an impact on future operations and maintenance, and this is included in the financial analysis. Throughout the various phases of a capital project, projections of this impact are regularly considered and updated as needed to reflect changes in project elements.

CIP DEVELOPMENT PROCESS AND FINANCIAL ANALYSIS

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

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

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

While Valley Water has one Water Utility Fund, Valley Water has multiple zones of benefit for the purposes of setting groundwater production charges. The North County Zone is very different from the South County Zone in that the water infrastructure is substantially separate and distinct with an entirely different cost of providing service. For example, the north zone overlays the Santa Clara groundwater subbasin and is much more densely populated, requiring a large amount of imported water from outside the county to provide a reliable water supply. To receive, filter and, distribute the imported water, Valley Water chose to build three water treatment plants and a network of raw water and treated water distribution pipelines many decades ago. Conversely, the South County overlays the Coyote Valley (southern Santa Clara subbasin) and the Llagas groundwater subbasins and is more sparsely populated. South County communities rely almost entirely on groundwater, with small amounts of raw surface water and recycled water. A small amount of recycled water is served in the Gilroy area. No treated water is served in South County, so water utility infrastructure primarily supports the storage and distribution of local and imported surface water for groundwater recharge.

The financial analysis of the Water Utility Enterprise Fund, which is the funding source for the water supply capital improvements, is conducted in conjunction with the groundwater production charge process. Valley Water's Board of Directors were presented a number of water charge scenarios on January 13, 2026. The annual Protection and Augmentation of Water Supplies Report (PAWS) outlines the staff-proposed municipal and industrial (M&I) groundwater production charges for FY 2026-27 of 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% for South County Zone W-8.

In addition to Valley Water funding sources, Valley Water has entered into a flexible, low-cost Water Infrastructure Finance and Innovation Act (WIFIA) master loan agreement

with the Environmental Protection Agency (EPA) that commits up to $580 million to provide upfront funding for the Anderson Dam Seismic Retrofit Project and the Coyote Percolation Dam Replacement Project with the final payoff of the loan occurring in 2067.

Significant Project Updates From Prior Year

Updates to capital project plans are considered to be significant if total project costs (TPC) increase or decrease more than $1 million (inflated), project completion is extended beyond one year, or if there are any changes to project scope. Listed below are the changes to projects from the CIP Adopted FY 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 Improvement Project (ADIP, Project No. 91854001). The Consultant is no longer providing services for the AC Canal Project and unspent agreement funds associated to the AC Canal Project were administratively reallocated within the agreement for ADIP use.

- The Almaden Calero Canal Rehabilitation Project overall schedule remains the same, but the Design phase has been increased by 6 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 Improvement 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 Evaluation Project decreased in cost by $203 thousand due to the application of updated inflation factors. The addition of Valley Water labor resources allocated for planning are to support 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 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, but 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, but 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 rise in the Construction phase, partially offset by a reduction in the Pre-construction phases. The expenditure change to the construction management services agreement was a result of extensive discussions and negotiations on the construction management scope of services and associated costs. Other estimated cost changes include an increase in consultant services agreement for engineering support during construction, labor resources needed to support the Project through construction completion, 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 9 months. Valley Water issued Contract Document Clarifications (CDC) to address design changes in the concrete final tunnel lining design, which encompasses procurement and installation of rebar for the articulated joints and continuous lining, fabrication and installation of all required formwork, concrete work for encasement of the articulated joints and continuous

lining, curing and removal of formwork, and finishing the concrete surface. The Project increased in cost by $12.26 million due to the revised Expenditure Plan to incorporate 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 Measure Project schedule remains the same but, 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 these expenses for the Project. 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, and attorneys/courts are ongoing, but 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 extended design coordination, RFI resolution, procurement lead times for critical equipment, field rework required to address unforeseen site conditions, restricted work windows caused by 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 1 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 schedule.

- The Calero Dam Seismic Retrofit - Design & Construction Project schedule remains the same but, the Right-of-Way (ROW) 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 of the annual inflation calculations. Additionally, there was a reassessment of environmental labor expenses to refine cost estimates and 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 ROW phase costs may increase further as negotiations and cost discussions with affected entities are finalized.

- The Coyote Dam Seismic Stability Project decreased in cost by $6.35 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 & Construct Project overall schedule remains the same, but the Right-of-Way (ROW) 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 6 months as a result. The Project decreased in cost by $2.59 billion as the result and the expenditure plan has been updated to remove expenditures in future years. A reduction to

FY26 expenditure is anticipated and will be reflected in a forthcoming Change Management Memo following FY26 year-end close.

- The Penitencia Delivery Main and Force Main Inspection & Rehabilitation Project scope has been modified due to the Project's condition assessment with Operations and Maintenance, in which additional scope was identified to replace equipment at the end of 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 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 assessments 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.
- 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 were made to align with the revised scope and schedule.
- The Vasona Pump Station Upgrade Project schedule has been extended by 4 years and 11 months due to adjustments being 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 of the annual inflation calculations.
- The Almaden Valley Pipeline Replacement Project is a 21-year project plan which was initiated in FY20 and extends to FY41, which goes 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 1 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 construction 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 also 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 is extended to include project management tasks and aligns the Planning Phase to the Environmental Phase. The Project increased in cost by $10 thousand due to the reallocation of expenditures between fiscal years, resulting in an adjustment of the annual inflation calculations. The reallocation of tasks better reflect historic burn rates in FY26 and accurately capture project management tasks.
- The SCADA Master Plan Implementation Project increased in cost by $21 thousand due to the reallocation of expenditures between fiscal years, resulting in an adjustment of 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 which have been identified during the planning work and are being 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 project planning work. The Project schedule has been extended by 1 year, in order to align with the progress of the SCADA Master Plan Implementation Project (95044002). The Project decreased in cost by $997 thousand due to the reallocation of expenditures between fiscal years, resulting in an adjustment of 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 our 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 1 year. The Project increased in cost by $36.27 million due to the modified scope, which includes a revised engineer's estimate for 100% Design and actual cost of 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 Letter of Agreement with GL Renewables, LLC, 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 the result of the positive election 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 5 years due to the amendment in the consultant agreement to include program management services for a period of 5 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 increased in cost 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 1 year and 1 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 increased in cost by $140 thousand due to the reallocation of expenditures between fiscal years, resulting in an adjustment of the annual inflation calculations.

- The RWTP Reliability Improvement Project decreased in cost by $1.89 million due to the adjustment in 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 Ammonia Storage & Metering Facility Upgrade Project schedule has been extended by 1 year due to the request from Operations to switch 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 RWTP Reliability Improvement Project. The Project increased in cost by $55 thousand due to the reallocation of expenditures between fiscal years, resulting in an adjustment of the annual inflation calculations.

- The Land Rights-South County Recycled Water Pipeline Project schedule has been extended by 1 year due to additional time necessary to complete land acquisitions. The Project increased in cost by $147 thousand due to the reallocation of expenditures between fiscal years, resulting in an adjustment of 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, Project's Phase 1C was bid and awarded under the South County Recycled Water Pipeline Short-Term Phase 1B/2A/1C/2B

Water Supply Capital Improvements

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

- The South County Recycled Water Pipeline - Short-Term Implementation Phase 2 Project increased in cost 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 the project costs according to market conditions. These revisions to both schedule and costs result in several minor changes in expected expenditures over the forecasted period.

- Small Capital Improvements, Water Treatment Project increased in cost by $64.64 million.
- Small Capital Improvements, San Felipe Reaches 1-3 Project decreased in cost by $832 thousand.
- Small Capital Improvements, Raw Water Transmission Project decreased in cost by $186 thousand.
- Small Capital Improvements, Treated Water Transmission Project decreased in cost by $655 thousand.

New Capital Improvement Projects Included

Two new Water Supply capital projects were approved by the Board for inclusion in the CIP Draft 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 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 last 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 8 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 chart also identifies partially funded projects and 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	14,532	1,094	48	-	-	-	22,906
91864005	Anderson Dam Seismic Retrofit (C1)		257,882	24,183	1,502	157,351	169,061	202,542	233,431	261,172	719,681	2,025,303
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	-	21	-	-	-	-	-	32,775
91864009	Coyote Percolation Dam Replacement		17,736	-	-	-	-	-	-	-	-	17,736
91084020	Calero and Guadalupe Dams Seismic Retrofits - Planning		12,807	-	622	2,551	3,021	-	-	-	-	18,379
91874004	Calero Dam Seismic Retrofit - Design & Construction		16,813	7,240	-	5,220	12,372	40,306	40,626	35,767	39	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	2,152	2,861	2,131	2,830	386,645	400,126
91234002	Coyote Pumping Plant ASD Replacement		47,743	1,047	-	1,128	-	-	-	-	-	49,918
91084019	Dam Seismic Stability Evaluation		23,496	-	53	36	93	4,339	419	438	938	29,758
91214010s	Small Capital Improvements, San Felipe Reach 1-3	n/a		5,456	-	6,260	5,843	6,112	6,393	6,687	7,711	44,460
91954002	Pacheco Reservoir Expansion Project		144,616	1,427	-	-	-	-	-	-	-	146,043
	TRANSMISSION FACILITIES											
95084002	10-Year Pipeline Rehabilitation (FY18-FY27)		160,191	20,254	-	2,622	328	-	-	-	-	183,394
95084003	Pipeline Maintenance Program		-	627	-	523	219	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	-	5,050	164	-	-	-	-	6,994
95084006	Santa Teresa Force Main Inspection & Rehabilitation		-	587	-	7,687	1,638	491	-	-	-	10,403
95084007	Milpitas Pipeline Inspection & Rehabilitation		-	617	-	1,152	1,921	11,248	359	-	-	15,296
95084008	Santa Clara and Campbell Distributary Inspection & Rehabilitation		-	-	-	575	602	916	10,036	-	-	12,129
92304001	Almaden Valley Pipeline Replacement Project		5,395	3,199	-	44,380	33,584	22,976	2,298	2,439	59,119	173,389
95044001	Distribution System Master Plan Implementation		8,532	634	331	141	-	-	-	-	-	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	-	5,530	484	105	-	-	-	33,784
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	-	449	1,385	1,286	1,233	4,478	9,417
94764006	Small Capital Improvements, Treated Water Transmission	n/a		292	-	-	44	39	73	50	132	630
92764009	Small Capital Improvements, Raw Water Transmission	n/a		1,100	-	2,354	711	744	778	814	4,666	11,167
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	-	139	934	25,771	1,604	2,520	38,586
	TREATMENT FACILITIES											
93234044	PWTP Residuals Management		15,017	15,788	-	34,408	41,285	14,130	11,001	-	-	131,628
93294057	RWTP Reliability Improvement		374,909	112,849	-	124,411	62,782	43,704	144	-	-	718,799
93294059	RWTP Ammonia Storage & Metering Facility Upgrade		1,107	527	934	43	2,748	2,404	-	-	-	6,829
93764004	Small Capital Improvements, Water Treatment	n/a		13,186	-	6,722	13,679	6,614	4,718	16,358	93,252	154,529
93284014	STWTP Infrastructure Rehabilitation		-	-	-	1,631	5,845	6,115	6,396	48,744	173,937	242,668
93084004	Water Treatment Plant Electrical Improvement Project		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	314	-	106,762
91294002	Pure Water Silicon Valley - Full-Scale Direct Potable Reuse (DPR) Facility		-	-	-	1,877	2,628	39,486	81,451	20,468	2,302,988	2,448,898
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	-	93	-	-	-	-	-	63,463
		TOTAL	1,636,647	297,919	43,442	477,807	414,225	468,334	515,147	461,049	3,892,781	8,163,908

**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 funding requirements from each funding source for water supply capital.

Water Supply - Funding Sources ($K)

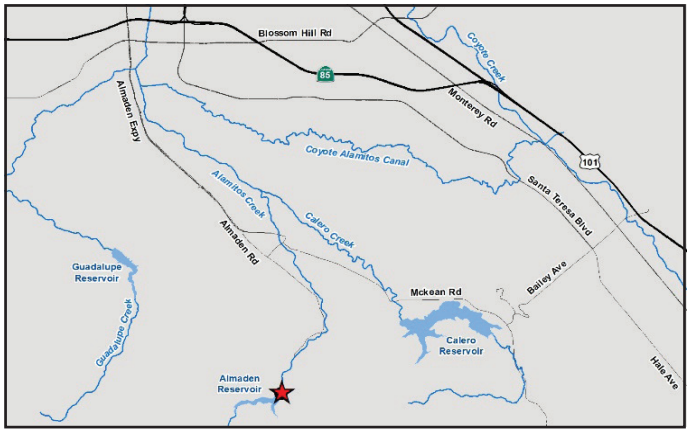
Fund Number	FUND NAME	Through FY25	FY26*	FY26 Unspent	FY27	FY28	FY29	FY30	FY31	FY32-41	TOTAL
61	Water Utility Enterprise Fund	1,619,791	287,110	43,442	472,277	413,741	468,229	515,147	461,049	3,892,781	8,130,124
26	Safe, Clean Water and Natural Flood Protection Fund	16,856	10,809	-	5,530	484	105	-	-	-	33,784
	TOTAL	1,636,647	297,919	43,442	477,807	414,225	468,334	515,147	461,049	3,892,781	8,163,908

FY 2025-26 Funds to be reappropriated

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	8,700											
Construct	21,838											
Closeout	4											
	36,092	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	150	150	150	16,690	5,151	0	36,092
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	4,263	-0	157	164	172	20,795	6,440	0	41,528
Adjusted Budget includes adopted budget plus approved budget adjustments.										

FUNDING SOURCES

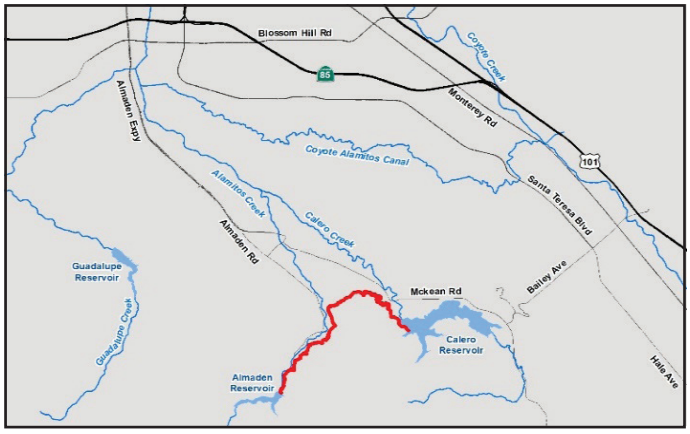
(in thousands $)

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 DESCRIPTION

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

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

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 50+ Years

SCHEDULE & STATUS

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	18,347											
Closeout	42											
	21,893	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	17,766	1,000	42	0	0	0	21,893
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	14,532	1,094	48	0	0	0	22,906
Adjusted Budget includes adopted budget plus approved budget adjustments.										

FUNDING SOURCES

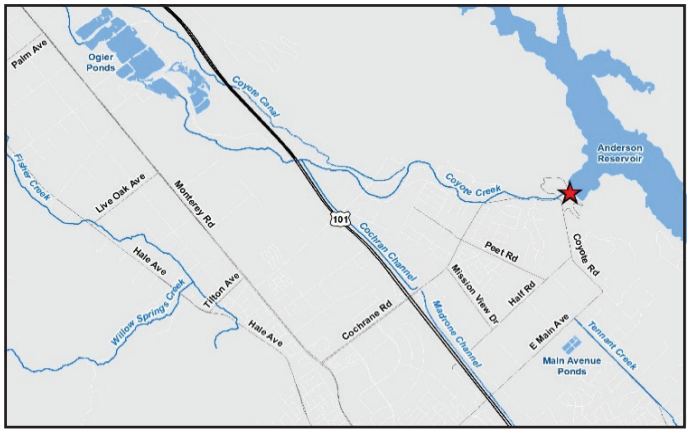
(in thousands $)

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	1,587,360											
Closeout	1,100											
	1,883,261	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	151,277	158,703	188,226	214,324	238,874	651,294	1,883,261
with inflation	228,812	51,751	158,853	169,061	202,542	233,431	261,172	719,681	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	157,351	169,061	202,542	233,431	261,172	719,681	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 existing intake structure modifications.

The project objectives include:

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

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 50+ Years

SCHEDULE & STATUS

February 2020 to 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	291,780											
Closeout	500											
	306,622	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	17,650	0	0	0	0	0	306,622
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 Location

PROJECT DESCRIPTION

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

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

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 50 Years

SCHEDULE & STATUS

February 2020 to June 2028

The Environmental Phase overlaps with the Construct 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	61,208											
Closeout	5											
	95,265	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	770	685	0	0	0	0	95,265
with inflation	88,940	4,870	805	749	0	0	0	0	95,363
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 Location

PROJECT DESCRIPTION

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

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

The project objectives include:

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

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 10 Years

SCHEDULE & STATUS

July 2020 to October 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	31,697											
Closeout	10											
	32,774	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	20	0	0	0	0	0	32,774
with inflation	28,394	4,360	21	0	0	0	0	0	32,775
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	21	0	0	0	0	0	32,775
Adjusted Budget includes adopted budget plus a planned budget adjustment of $3.945 million.										

FUNDING SOURCES

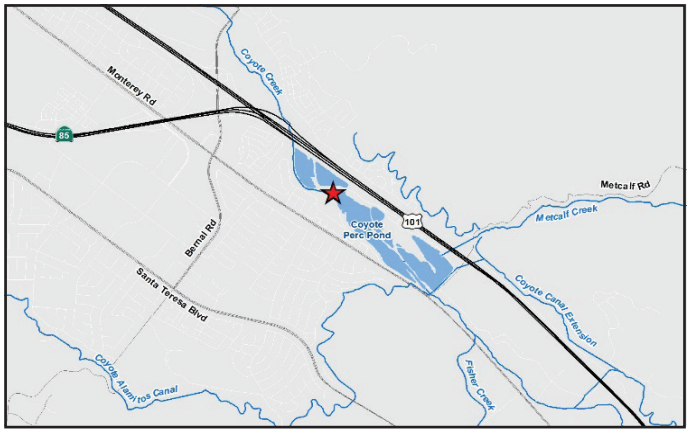
(in thousands $)

SCVWD Water Utility Enterprise Fund	32,775
Other Funding Sources	0
Total	**32,775**

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), new tunnel and existing outlet capacity combined, would overwhelm the Coyote Percolation Dam and removing the dam altogether would compromise Valley Water's ability to recharge the groundwater basins. To protect against risks to groundwater recharge and water supply reliability, this Project would replace the existing flashboard dam with an inflatable bladder dam that could quickly be raised when inflows are low (to facilitate percolation) and then lowered to allow higher flows to pass safely. Completion of the bladder dam facilities is necessary by 2025, before the Anderson Dam outlet tunnel is finished in 2026.

This project designs and constructs to accomplish the following objectives:

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

This project is anticipated to be completed and closed by June 30, 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 $)

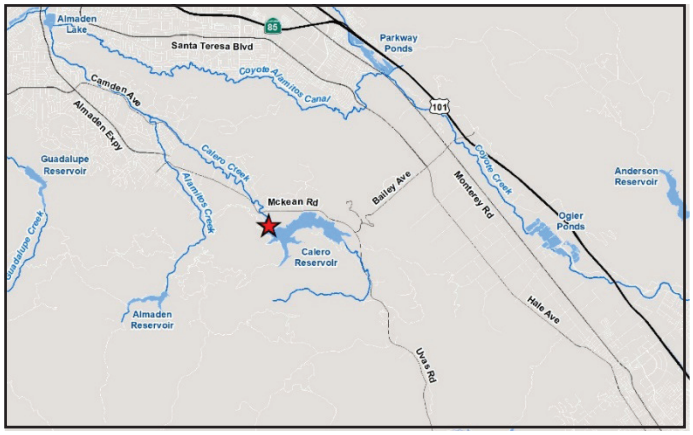
SCVWD Water Utility Enterprise Fund	17,736
Other Funding Sources	0
Total	**17,736**

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 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 designs and constructs improvements to the Calero Dam to accomplish the following objectives:

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

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 50+ Years

SCHEDULE & STATUS

January 2015 to June 2035

Phase	Cost	FY 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	26,713											
Construct	110,099											
Closeout	8											
	143,948	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 & Construct	16,847	7,206	4,990	11,185	36,098	36,097	31,497	27	143,948
with inflation	16,847	7,206	5,220	12,372	40,306	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 & Construct	16,813	7,240	-0	5,220	12,372	40,306	40,626	35,767	38	158,383
Adjusted Budget includes adopted budget plus a planned budget adjustment of $928 thousand.										

FUNDING SOURCES

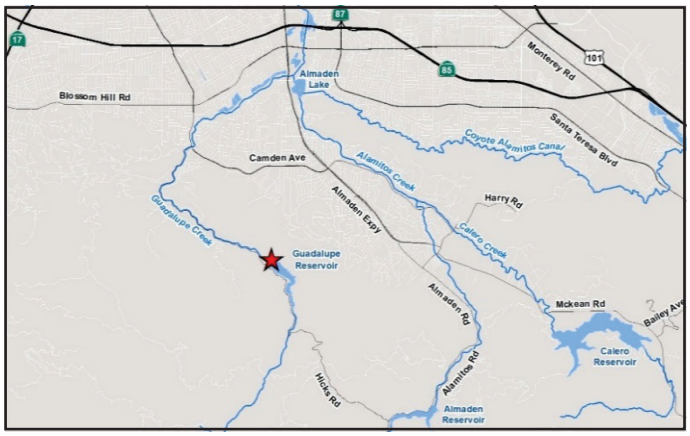
(in thousands $)

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

PROJECT	Guadalupe Dam Seismic Retrofit - Design & Construct		
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 Location

PROJECT DESCRIPTION

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

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

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 50 Years

SCHEDULE & STATUS

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
Plan	3											
Enviro	8,156											
Design	21,955											
Construct	95,779											
Closeout	72											
	126,453	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 & Construct	11,190	4,503	4,975	4,685	10,181	32,964	32,964	24,990	126,453
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 & Construct	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 $310,000.										

FUNDING SOURCES

SCVWD Fund	146,069
Other Funding Sources	0
Total	**146,069**

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 freeboard of the dam for safe passage of the Probable Maximum Flood (PMF)
- Provide modifications that do not preclude potential future expansion of the dam and reservoir to provide additional reservoir storage
- Remove or relocate the Bailey Ranch structures and breach Fellow's Dike

Guadalupe Dam

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

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 50+ Years

SCHEDULE & STATUS

August 2012 to June 2028

Phase	Cost	FY 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	9,032											
Design	112											
Construct	-											
Closeout	-											
17,980	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**	
91084020-Calero and Guadalupe Dams Seismic Retrofits-Planning	10,913	1,272	3,034	2,761	0	0	0	0	17,980
with inflation	10,913	1,272	3,174	3,021	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	622	2,551	3,021	0	0	0	0	18,379
Adjusted Budget includes adopted budget plus approved budget adjustments.										

FUNDING SOURCES

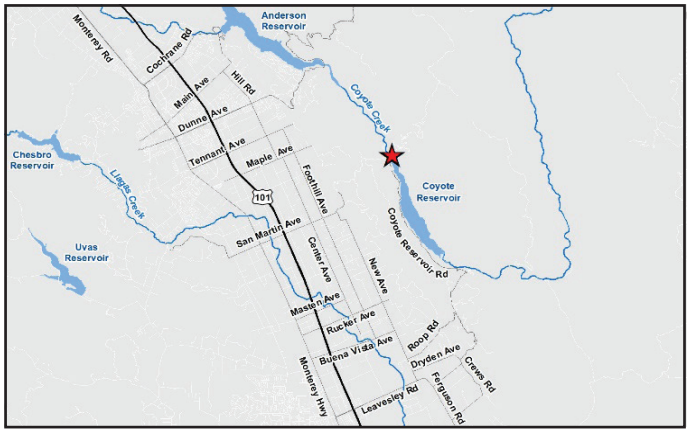
(in thousands $)

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

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



Aerial photo from downstream during February 2017 storm event



Location Map

★ Project Location

PROJECT DESCRIPTION

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

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

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 50+ Years

SCHEDULE & STATUS

July 2025 to June 2039

Phase	Cost	FY 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	3,050											
Design	16,327											
Construct	229,400											
Closeout	300											
	251,900	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	2,917	1,967	2,500	1,780	2,260	240,020	251,900
with inflation	0	456	3,051	2,152	2,861	2,131	2,830	386,645	400,126
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	2,152	2,861	2,131	2,830	386,645	400,126
Adjusted Budget includes adopted budget plus approved budget adjustments.										

FUNDING SOURCES

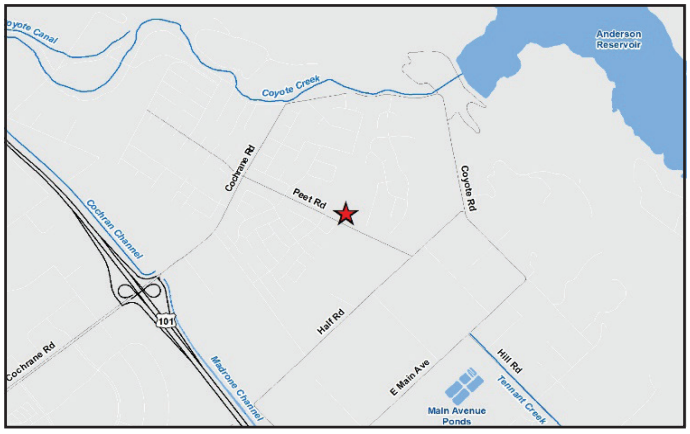
(in thousands $)

SCVWD Water Utility Enterprise Fund	400,126
Other Funding Sources	0
Total	400,126

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



ASD motors at the Coyote Pumping Plant



Location Map

PROJECT DESCRIPTION

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

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

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 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	7,691											
Construct	40,389											
Closeout	84											
	49,869	Total project cost may include expenditures not yet allocated to a specific phase.										

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**FY31**	**Future**	
91234002-Coyote Pumping Plant ASD Replacement	46,236	2,554	1,079	0	0	0	0	0	49,869
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	1,128	0	0	0	0	0	49,918
Adjusted Budget includes adopted budget plus approved budget adjustments.										

FUNDING SOURCES

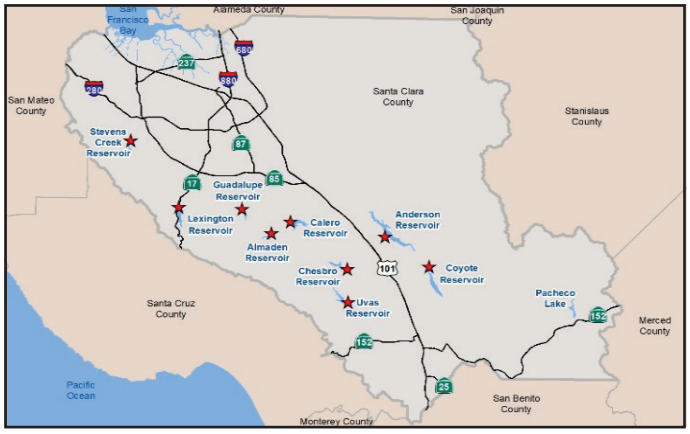
(in thousands $)

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 map above. The evaluations for Almaden, Calero, Coyote, Guadalupe, Lenihan, and Stevens Creek Dams have been completed as part of this project, while the evaluations for Chesbro, Uvas, Vasona and Rinconada are scheduled to continue through 2033. The seismic stability evaluation for Anderson Dam was completed in a separate project. Planning, design, and construction of identified seismic improvements will be funded in the future as site-specific projects.

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: TBD

SCHEDULE & STATUS

August 2009 to June 2033

Phase	Cost	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35	FY 36
Planning	28,792											
Enviro	11											
Design	-											
Construct	-											
Closeout	-											
	28,804	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	85	85	3,791	350	350	700	28,804
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

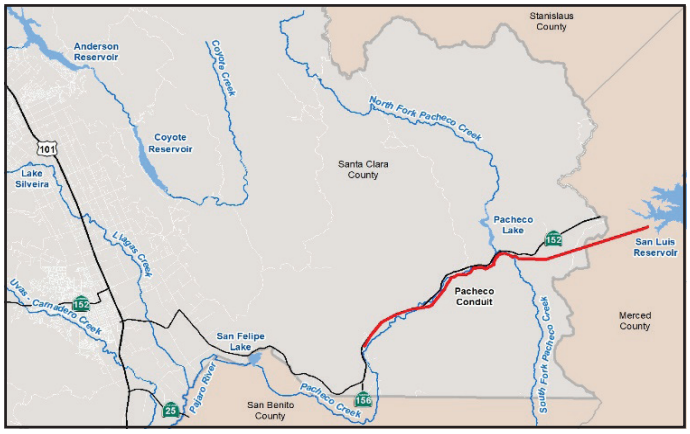
(in thousands $)

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 FY26 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	5,285	4,940	4,940	4,940	4,940	4,650	31,984
with inflation	n/a	2,289	5,528	5,405	5,654	5,914	6,186	6,275	37,250
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	700	400	400	400	400	1,000	6,467
with inflation	n/a	3,167	732	438	458	479	501	1,436	7,210
TOTAL	**0**	**5,456**	**5,985**	**5,340**	**5,340**	**5,340**	**5,340**	**5,650**	**38,451**
with inflation	**0**	**5,456**	**6,260**	**5,843**	**6,111**	**6,392**	**6,687**	**7,711**	**44,460**

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	5,528	5,405	5,654	5,914	6,186	6,275	37,250
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	732	438	458	479	501	1,436	7,210
TOTAL	**0**	**5,456**	**0**	**6,260**	**5,843**	**6,111**	**6,392**	**6,687**	**7,711**	**44,460**

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

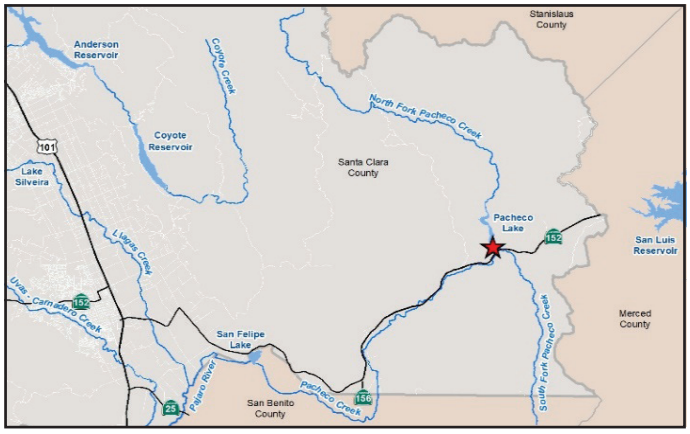
(in thousands $)

SCVWD Water Utility Enterprise Fund	32,717
San Benito County Water District	11,743
Total	**44,460**

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 Location

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
- 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: 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
Plan	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

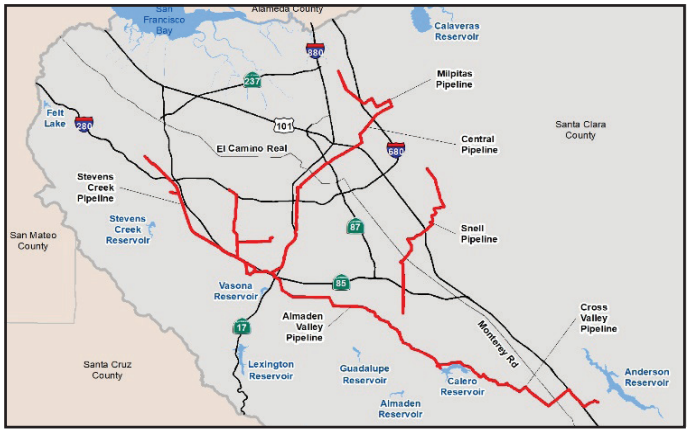
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PROJECT	10-Year Pipeline Inspection & Rehabilitation		
PROGRAM	Water Supply – Transmission	**CONTACT**	Emmanuel Aryee
PROJECT NO.	95084002		earyee@valleywater.org



A typical rehabilitated line valve assembly



Location Map

PROJECT DESCRIPTION

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

The project includes the following objectives:

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

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

- West Pipeline Phase I
- West Pipeline Phase II

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 50+ Years

SCHEDULE & STATUS

July 2017 to November 2027

Phase	Cost	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35	FY 36
Planning	1,802											
Enviro	1,742											
Design	29,358											
Construct	147,762											
Closeout	402											
	183,244	Total project cost may include expenditures not yet allocated to a specific phase.										

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**FY31**	**Future**	
95084002-10-Year Pipeline Inspection & Rehabilitation	151,405	29,039	2,500	300	0	0	0	0	183,244
with inflation	151,405	29,039	2,622	328	0	0	0	0	183,394
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	2,622	328	0	0	0	0	183,394
Adjusted Budget includes adopted budget plus approved budget adjustments.										

FUNDING SOURCES

(in thousands $)

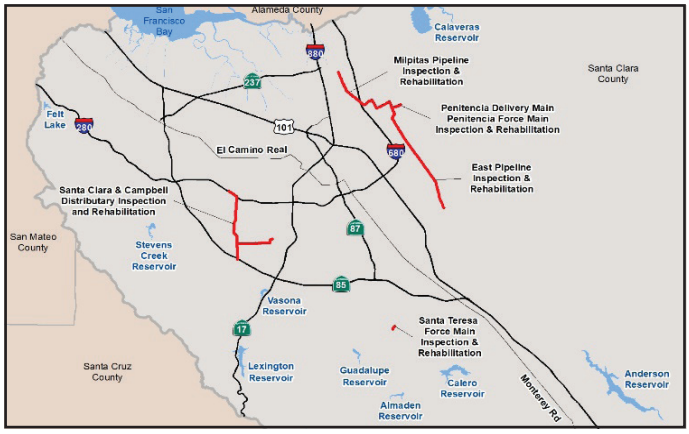
SCVWD Water Utility Enterprise Fund	183,394
Other Funding Sources	0
Total	**183,394**

PROJECT	Pipeline Maintenance Program
PROGRAM	Water Supply – Transmission
PROJECT NO.	95084003

CONTACT Emmanuel Aryee
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 and involves planning for the condition assessment, design, and construction activities required for renewal of Valley Water's large diameter pipelines and tunnels. The PMP work include updating the environmental documents, program budget, and creating projects to inspect and rehabilitate the pipelines that Valley Water owns or maintains to ensure the delivery of clean and safe water to Valley Water customers.

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

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

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 50+ Years

SCHEDULE & STATUS

July 2025 to June 2030

Phase	Cost	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35	FY 36
Planning	1,527											
Enviro	-											
Design	-											
Construct	-											
Closeout	-											
	1,527	Total project cost may include expenditures not yet allocated to a specific phase.										

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**FY31**	**Future**	
95084003-Pipeline Maintenance Program	0	627	500	200	100	100	0	0	1,527
with inflation	0	627	523	219	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	219	114	120	0	0	1,603
Adjusted Budget includes adopted budget plus approved budget adjustments.										

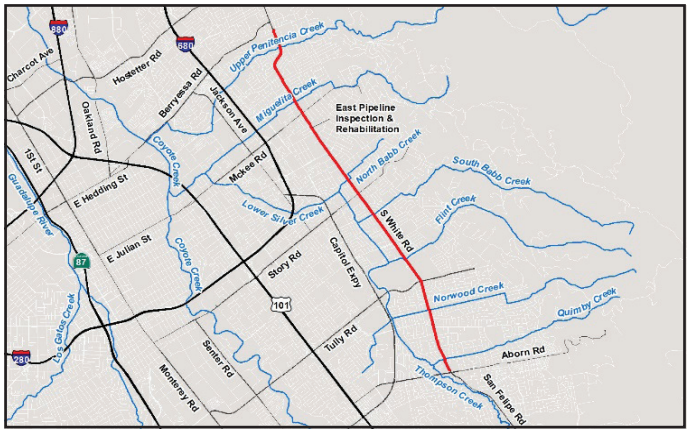
FUNDING SOURCES

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 a part of the project



Location Map

PROJECT DESCRIPTION

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

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

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 50+ Years

SCHEDULE & STATUS

July 2025 to 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	12,424											
Closeout	180											
	14,262	Total project cost may include expenditures not yet allocated to a specific phase.										

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**FY31**	**Future**	
95084004-East Pipeline Inspection & Rehabilitation	0	1,992	11,370	900	0	0	0	0	14,262
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.										

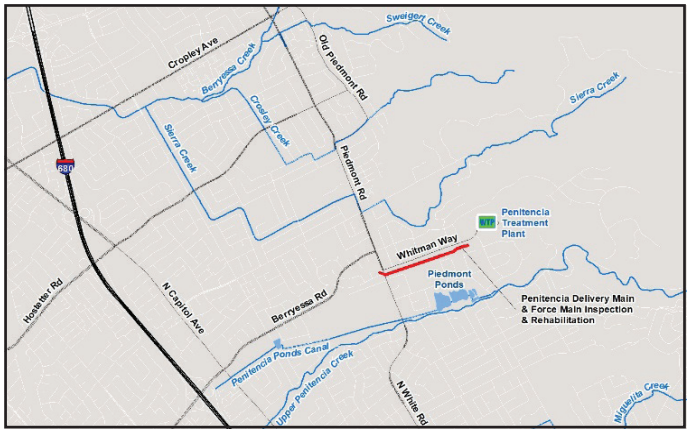
FUNDING SOURCES

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 controls systems and rehabilitate corrosion protection systems.

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

OPERATING COST IMPACTS

See Appendix D for Operating cost impacts.

USEFUL LIFE: 50 Years

SCHEDULE & STATUS

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	5,970											
Closeout	85											
	6,830	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	4,900	150	0	0	0	0	6,830
with inflation	0	1,780	5,050	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	5,050	164	0	0	0	0	6,994
Adjusted Budget includes adopted budget plus approved budget adjustments.										

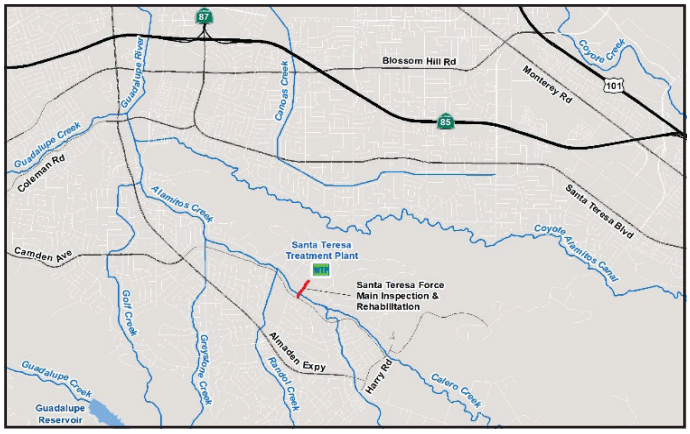
FUNDING SOURCES

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 Location

PROJECT DESCRIPTION

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

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

OPERATING COST IMPACTS

See Appendix D for operating cost impacts

USEFUL LIFE: 50+ Years

SCHEDULE & STATUS

July 2025 to January 2029

Phase	Cost	FY 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	8,853											
Closeout	89											
	9,829	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	7,316	1,497	429	0	0	0	9,829
with inflation	0	587	7,687	1,638	491	0	0	0	10,403
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	7,687	1,638	491	0	0	0	10,403
Adjusted Budget includes adopted budget plus approved budget adjustments.										

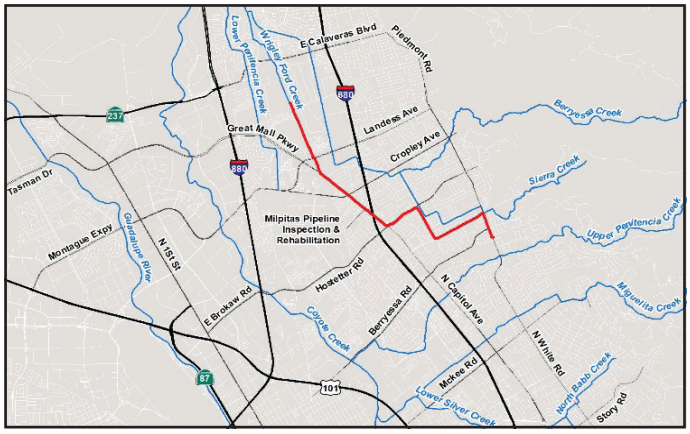
FUNDING SOURCES

SCVWD Water Utility Enterprise Fund	10,403
Other Funding Sources	0
Total	**10,403**

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



Typical steel pipeline in line valve vault



Location Map

PROJECT DESCRIPTION

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

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

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 50+ Years

SCHEDULE & STATUS

June 2025 to June 2030

Phase	Cost	FY 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	12,860											
Closeout	80											
	14,416	Total project cost may include expenditures not yet allocated to a specific phase.										

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**FY31**	**Future**	
95084007-Milpitas Pipeline Inspection & Rehabilitation Project	0	616	1,100	1,800	10,600	300	0	0	14,416
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.										

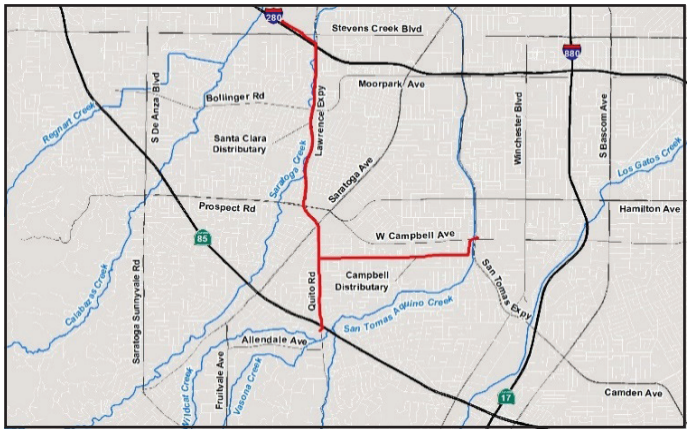
FUNDING SOURCES

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 and defective appurtenances, improve vault accessibility, implement repairs, rehabilitate and replace old and defective appurtenances, update electrical and controls systems, and rehabilitate corrosion protection systems.

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 50 Years

SCHEDULE & STATUS

October 2026 to June 2030

Phase	Cost	FY 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	1,880											
Construct	7,950											
Closeout	150											
	10,000	Total project cost may include expenditures not yet allocated to a specific phase.										

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**FY31**	**Future**	
95084008-Santa Clara and Campbell Distributary Inspection & Rehabilitation	0	0	550	550	800	8,100	0	0	10,000
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.										

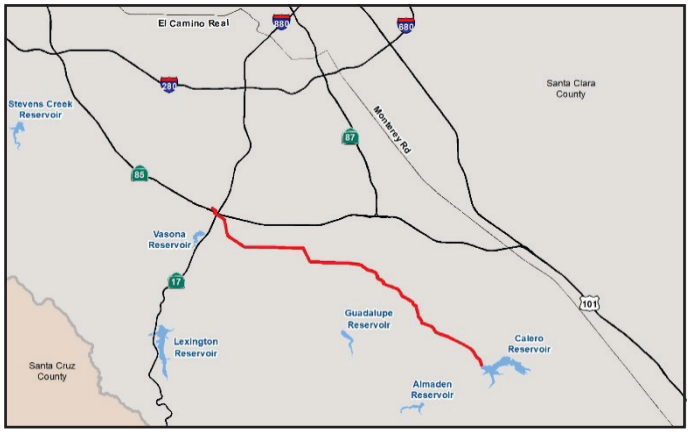
FUNDING SOURCES

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 a part of the Valley Water raw water delivery system. This pipeline is used to supply raw water to Valley Water's water treatment plants and groundwater recharge facilities. This pipeline provides access, with no redundancy, to local raw water sources from Valley Water's Anderson and Calero Reservoirs and imported water from the United States Bureau of Reclamation San Luis Reservoir and San Felipe system. AVP was constructed in two major Units: Unit 1 was constructed in the 1960s and Unit 2 was constructed in the 1980s.

The project will accomplish the following objective:

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

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 50+ Years

SCHEDULE & STATUS

July 2022 to June 2041

Phase	Cost	FY 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	18,225											
Construct	125,803											
Closeout	904											
	147,239	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	42,173	31,830	21,655	1,920	1,948	39,120	147,239
with inflation	4,714	3,879	44,381	33,584	22,976	2,298	2,439	59,118	173,389
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	44,380	33,584	22,976	2,298	2,439	59,118	173,389
Adjusted Budget includes adopted budget plus a planned budget adjustment of $65 thousand.										

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	173,389
Other Funding Sources	0
Total	**173,389**

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



Distribution System Master Plan Implementation



Location Map

PROJECT DESCRIPTION

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

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: Not Applicable

SCHEDULE & STATUS

June 2020 to June 2027

Phase	Cost	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35	FY 36
Planning	7,188											
Enviro	30											
Design	-											
Construct	-											
Closeout	-											
	9,286	Total project cost may include expenditures not yet allocated to a specific phase.										

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**FY31**	**Future**	
95044001-Distribution System Master Plan Implementation Project	8,320	515	451	0	0	0	0	0	9,286
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	141	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, Guadalupe-Coyote Resource Conservation District (GCRCD) filed a water rights complaint against Valley Water alleging degraded fish, wildlife, water quality and other beneficial uses in Coyote Creek, Guadalupe River and Stevens Creek. The 1997 listing of Central California Coast Steelhead as a threatened species under Federal Endangered Species Act requires Valley Water to obtain permits to address the impacts of its water supply activities on aquatic habitat and instream flows.

In 2003, a settlement agreement was initiated by parties involved. Valley Water is in the process of preparing a Fish Habitat Restoration Plan (FHRP) and the associated environmental impact report to complete the water rights change petitions, resolve the water rights complaint, and address issues raised in the 2003 Settlement Agreement. The Fish and Aquatic Habitat Collaborative Effort (FAHCE) consists of reservoir reoperations to support salmonid spawning, rearing and migration provisions for fish passage and aquatic habitat restoration measures, and to adaptively manage FHRP implementation in the Guadalupe River, Coyote Creek, and Stevens Creek watersheds (Three Creeks).

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: Not Applicable

SCHEDULE & STATUS

July 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 $)

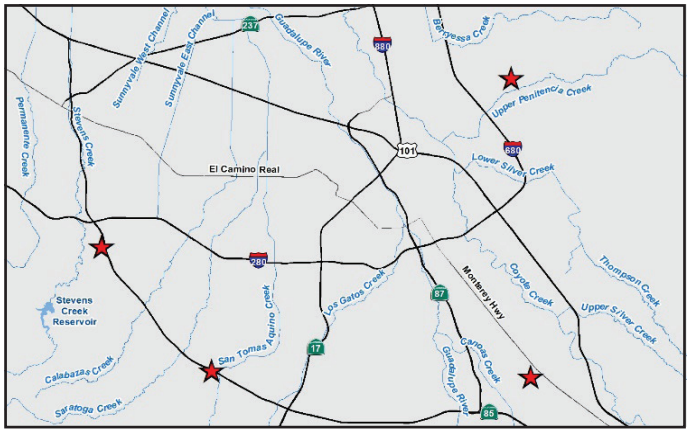
SCVWD Water Utility Enterprise Fund	145,108
Other Funding Source	0
Total	**145,108**

PROJECT	IRP2 Additional Line Valves (A3)
PROGRAM	Water Supply - Transmission
PROJECT NO.	26764001

CONTACT Emmanuel Aryee
earyee@valleywater.org



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



Location Map

PROJECT DESCRIPTION

This project plans, designs, and constructs four additional line valves in the treated water distribution system, as defined in the Water Infrastructure Reliability Plan, Phase 2 (IRP2). Design and construction of this project will be in coordinated with work on the same pipelines under the 10-Year Pipeline Inspection and Rehabilitation Project. The new line valves will be at various locations along the East, West, and Snell pipeline to accomplish the following objectives:

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

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

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 35 Years

SCHEDULE & STATUS

July 2018 to June 2029

Phase	Cost	FY 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	2,576											
Construct	21,465											
Closeout	70											
	33,460	Total project cost may include expenditures not yet allocated to a specific phase.										

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**FY31**	**Future**	
26764001-IRP2 Additional Line Valves (A3)	10,879	16,786	5,260	443	92	0	0	0	33,460
with inflation	10,879	16,786	5,531	484	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	484	105	0	0	0	33,786
Adjusted Budget includes adopted budget plus approved budget adjustments.										

FUNDING SOURCES

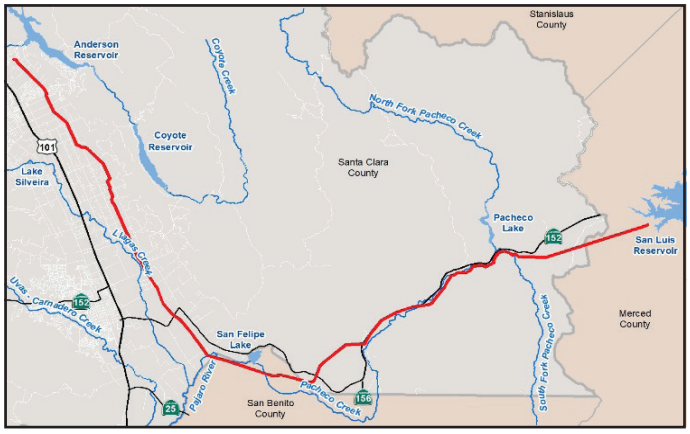
(in thousands $)

SCVWD Safe Clean Water Fund	15,544
SCVWD Water Utility Enterprise Fund	18,242
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	36											
6,233	Total project cost may include expenditures not yet allocated to a specific phase.											

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**FY31**	**Future**	
92144001-Pacheco/Santa Clara Conduit Right of Way Acquisition	2,816	3,381	36	0	0	0	0	0	6,233
with inflation	2,816	3,381	38	0	0	0	0	0	6,235
Actuals include project expenditures and encumbrances.									

FUNDING SCHEDULE

(in thousands $)

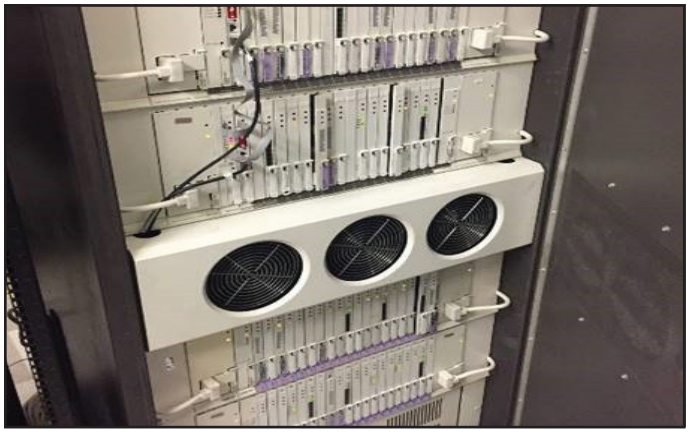
	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY25**	**FY26**		**FY27**	**FY28**	**FY29**	**FY30**	**FY31**	**Future**	
92144001-Pacheco/Santa Clara Conduit Right of Way Acquisition	6,141	55	-0	38	0	0	0	0	0	6,235
Adjusted Budget includes adopted budget plus approved budget adjustments.										

FUNDING SOURCES

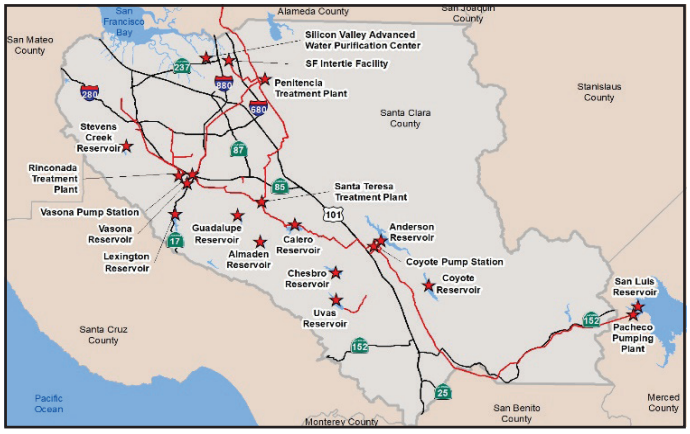
(in thousands $)

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	5,811											
Enviro	22											
Design	-											
Construct	-											
Closeout	-											
	6,462	Total project cost may include expenditures not yet allocated to a specific phase.										

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**FY31**	**Future**	
95044002-SCADA Master Plan Implementation	5,094	500	868	0	0	0	0	0	6,462
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

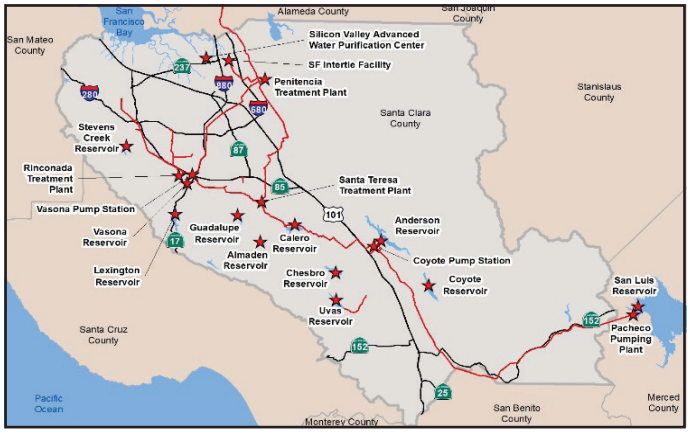
(in thousands $)

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 System (SCADA)



Location Map

PROJECT DESCRIPTION

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

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

The project will accomplish the following objectives:

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

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: TBD

SCHEDULE & STATUS

July 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	301											
Enviro	300											
Design	900											
Construct	7,984											
Closeout	45											
	7,984	Total project cost may include expenditures not yet allocated to a specific phase.										

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**FY31**	**Future**	
95044004-SMPIP (SCADA Master Plan Implementation Project) Upgrades - Phase 1	0	0	351	610	1,194	1,090	1,040	3,699	7,984
with inflation	0	0	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	449	1,385	1,286	1,233	4,478	9,417
Adjusted Budget includes adopted budget plus approved budget adjustments.										

FUNDING SOURCES

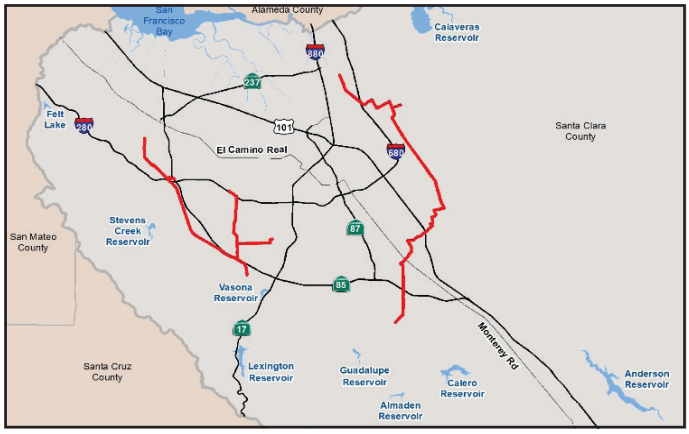
(in thousands $)

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 other appurtenances and repairing or adding turnouts to avoid failure of the treated water transmission system and to extend the life of the infrastructure. This project is part of Valley Water's 10-Year Asset Management Program.

Planned projects for FY27 include:

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

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: Not Applicable

SCHEDULE & STATUS

This project is part of a regularly scheduled 10-Year Maintenance and Asset Management Program.
Traditional planning, design, and construction phases do not apply.

Phase	Cost	FY 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	0	40	34	61	40	98	565
with inflation	n/a	292	0	44	39	73	50	132	630

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	0	44	39	73	50	132	630

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

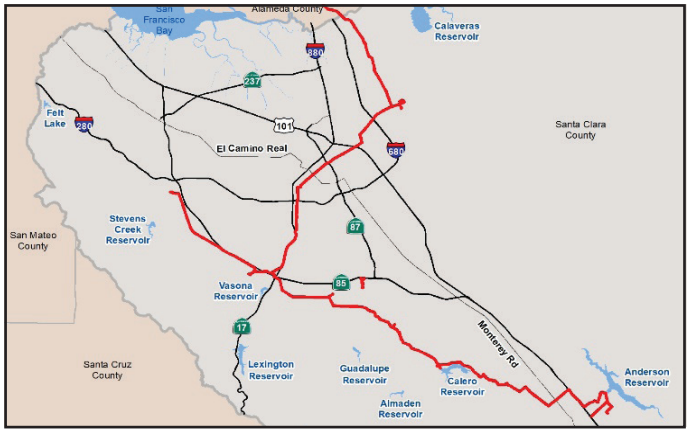
(in thousands $)

SCVWD Water Utility Enterprise Fund	630
Other Funding Source	0
Total	**630**

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

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: Not Applicable

SCHEDULE & STATUS

This project is part of a regularly scheduled 10-Year Maintenance and Asset Management Program.
Traditional planning, design, and construction phases do not apply.

Phase	Cost	FY 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	2,250	650	650	650	650	3,250	9,200
with inflation	n/a	1,100	2,354	711	744	778	814	4,667	11,167

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	2,354	711	744	778	814	4,667	11,167

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

FUNDING SOURCES

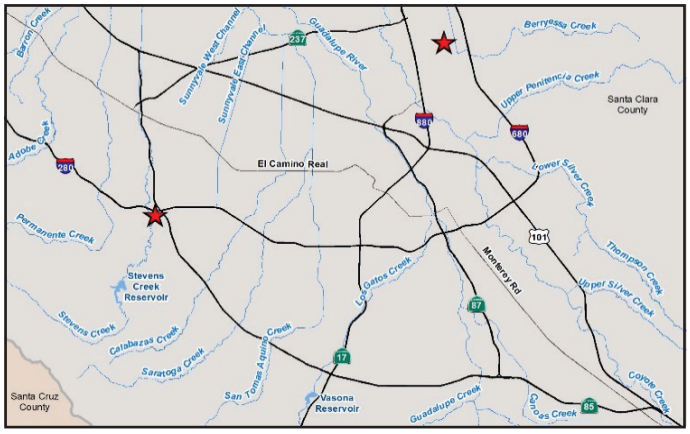
(in thousands $)

SCVWD Water Utility Enterprise Fund	11,167
Other Funding Source	0
Total	**11,167**

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



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



Location Map

★ Project Location

PROJECT DESCRIPTION

This project plans, designs, and constructs two additional line valve appurtenances and will work in conjunction with other pipeline maintenance and rehabilitation projects to accomplish the following objectives:

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

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 50 Years

SCHEDULE & STATUS

January 2019 to December 2029

Phase	Cost	FY 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	10,062											
Closeout	64											
	12,143	Total project cost may include expenditures not yet allocated to a specific phase.										

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**FY31**	**Future**	
94084007-Treated Water Isolation Valves	1,705	4,718	771	2,105	2,653	191	0	0	12,143
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	807	2,328	2,969	229	0	0	12,755
Adjusted Budget includes adopted budget plus approved budget adjustments.										

FUNDING SOURCES

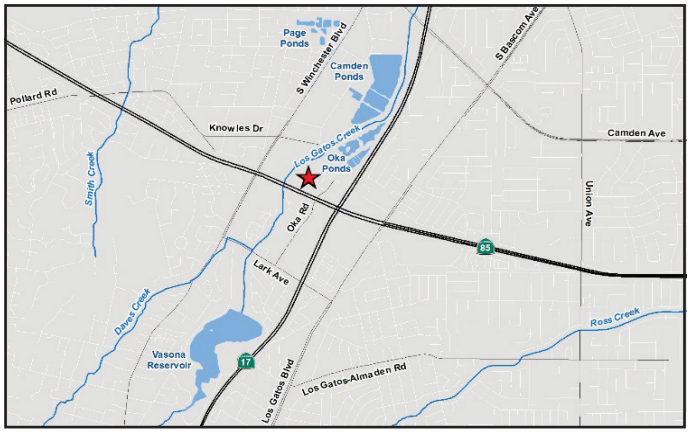
(in thousands $)

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

The project will accomplish the following objectives:

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

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 50 Years

SCHEDULE & STATUS

October 2019 to 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	15											
Design	7,681											
Construct	22,923											
Closeout	70											
	32,266	Total project cost may include expenditures not yet allocated to a specific phase.										

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**FY31**	**Future**	
92264001-Vasona Pump Station Upgrade	3,340	1,695	1,750	816	816	20,686	1,281	1,882	32,266
with inflation	3,340	1,695	1,831	893	934	25,771	1,604	2,520	38,586
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	2,585	0	139	934	25,771	1,604	2,520	38,586
Adjusted Budget includes adopted budget plus approved budget adjustments.										

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	38,586
Other Funding Sources	0
Total	**38,586**

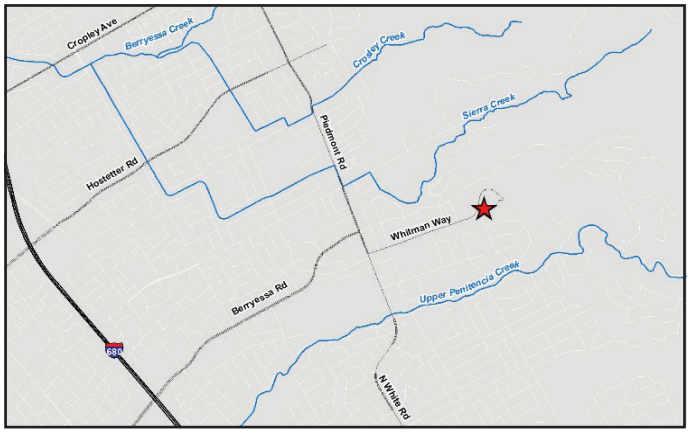
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PROJECT	PWTP Residuals Management		
PROGRAM	Water Supply – Treatment	**CONTACT**	Emmanuel Aryee
PROJECT NO.	93234044		earyee@valleywater.org



Existing belt press to be replaced with new residuals management facility



Location Map

★ Project Location

PROJECT DESCRIPTION

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

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

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE:

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

SCHEDULE & STATUS

July 2020 to May 2030

Phase	Cost	FY 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	121,329											
Closeout	75											
	130,133	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	34,269	40,959	13,659	10,441	0	0	130,133
with inflation	7,996	22,809	34,408	41,285	14,130	11,001	0	0	131,628
Actuals include project expenditures and encumbrances.									

FUNDING SCHEDULE

(in thousands $)

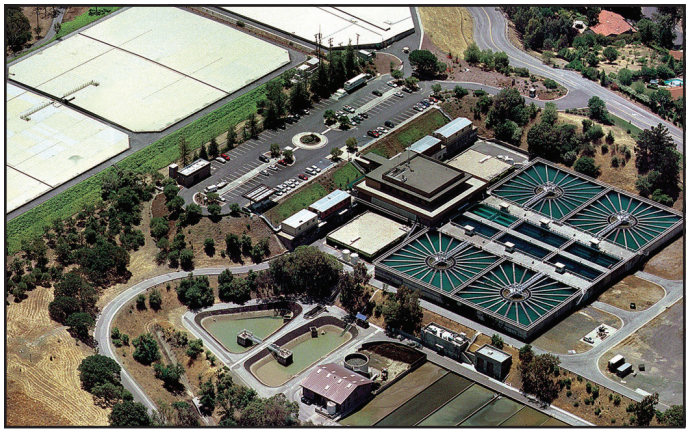
	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY25**	**FY26**		**FY27**	**FY28**	**FY29**	**FY30**	**FY31**	**Future**	
93234044-PWTP Residuals Management	15,017	15,788	-0	34,408	41,285	14,130	11,001	0	0	131,628
Adjusted Budget includes adopted budget plus a planned budget adjustment of $15 thousand.										

FUNDING SOURCES

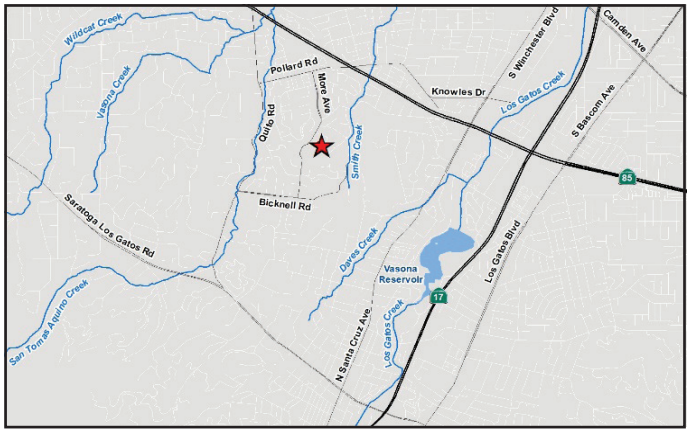
(in thousands $)

SCVWD Water Utility Enterprise Fund	131,628
Other Funding Sources	0
Total	**131,628**

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 Rinconada Water Treatment Plant (RWTP) that will improve plant reliability by accomplishing the following objectives:

- Construct a new filter building
- Implement raw water ozonation
- Increase RWTP capacity from 80 million to 100 million gallons per day

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE:

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

SCHEDULE & STATUS

July 2009 to June 2030

Phase	Cost	FY 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	658,773											
Closeout	120											
	695,316	Total project cost may include expenditures not yet allocated to a specific phase.										

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**FY31**	**Future**	
93294057-RWTP Reliability Improvement	373,777	113,981	112,290	56,338	38,810	120	0	0	695,316
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

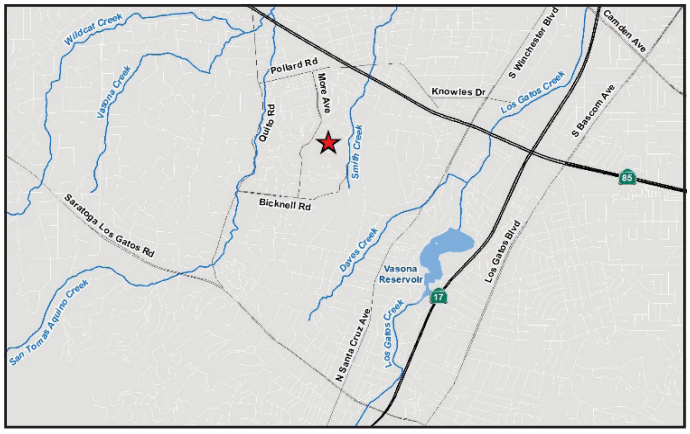
(in thousands $)

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

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



Rinconada Water Treatment Plant Aqua Ammonia Tank



Location Map

★ Project Location

PROJECT DESCRIPTION

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

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 40+ Years

SCHEDULE & STATUS

July 2023 to June 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	1,900											
Construct	4,227											
Closeout	75											
6,270	Total project cost may include expenditures not yet allocated to a specific phase.											

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**FY31**	**Future**	
93294059-RWTP Ammonia Storage and Metering Facility Upgrade	75	625	934	2,483	2,152	0	0	0	6,270
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 Ammonia Storage and Metering Facility Upgrade	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

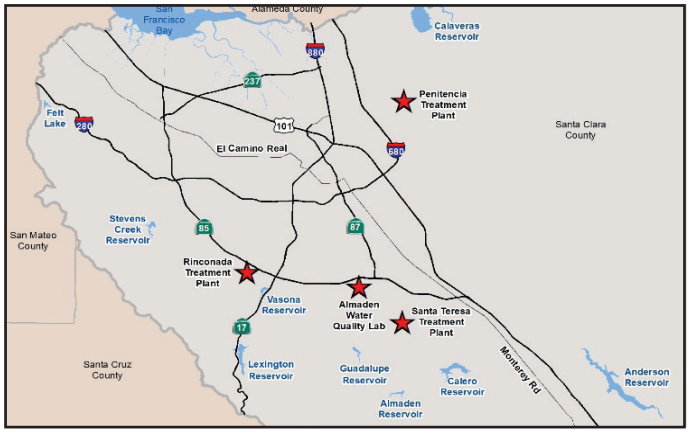
(in thousands $)

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 of equipment replacement and renewal at the three water treatment plants and laboratory by designing and constructing improvements identified as part of Valley Water's 10-Year Asset Management Program. Typical activities of this project will include pump, motor, instrumentation, and valve replacement, chemical tank repairs, and large-scale renewal and replacement activities, such as clarifier mechanism overhaul and replacement.

This project includes the following objectives:

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

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

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	6,426	12,502	5,779	3,941	13,064	64,493	119,391
with inflation	n/a	13,186	6,722	13,679	6,614	4,718	16,358	93,253	154,529

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	6,722	13,679	6,614	4,718	16,358	93,253	154,529

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

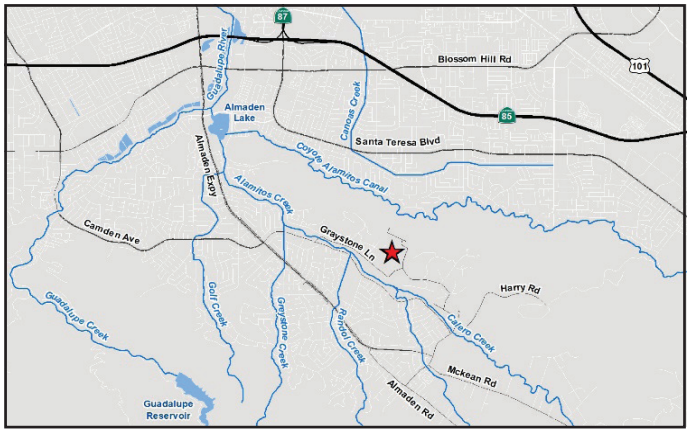
(in thousands $)

SCVWD Water Utility Enterprise Fund	154,529
Other Funding Source	0
Total	**154,529**

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 Location
Project Location

PROJECT DESCRIPTION

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.

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	26,547											
Construct	159,593											
Closeout	-											
	186,140	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	1,559	5,342	5,343	5,343	37,452	131,101	186,140
with inflation	0	0	1,631	5,845	6,115	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	1,631	5,845	6,115	6,396	48,744	173,938	242,669
Adjusted Budget includes adopted budget plus approved budget adjustments.										

FUNDING SOURCES

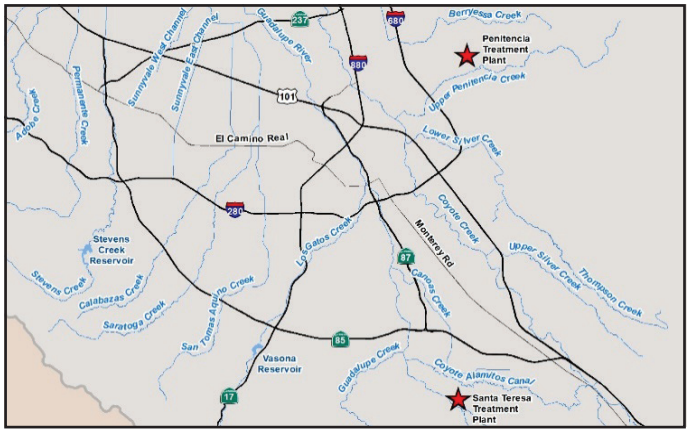
(in thousands $)

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 Location

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements to ensure the safety, operational reliability, and maintainability of electrical systems at Penitencia Water Treatment Plant (PWTP) and Santa Teresa Water Treatment Plant (STWTP).

The electrical systems will be upgraded to accomplish the following objectives:

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

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 30+ Years

SCHEDULE & STATUS

March 2020 to 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	13,511											
Closeout	75											
	18,319	Total project cost may include expenditures not yet allocated to a specific phase.										

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**FY31**	**Future**	
93084004-Water Treatment Plant Electrical Improvement	2,520	575	2,162	5,754	4,413	2,869	25	0	18,319
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

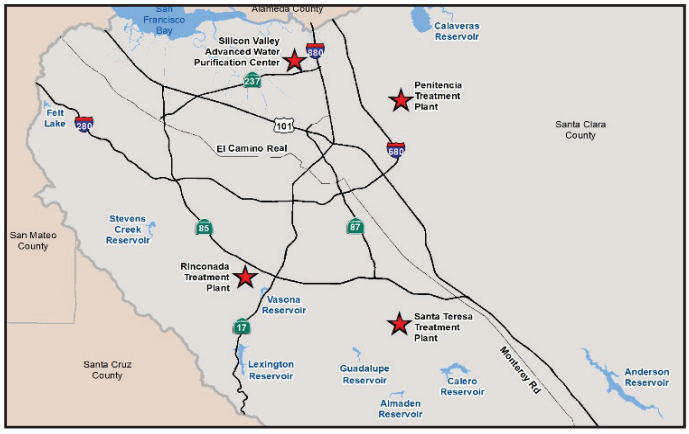
(in thousands $)

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 the increasingly stringent water quality regulations, and integrate with the recently completed Water Supply Master Plan. The implementation project will conclude with a programmatic environmental impact report. Facilities will include the Rinconada, Santa Teresa, Penitencia Water Treatment Plants and the Advanced Water Purification Center.

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: Not Applicable

SCHEDULE & STATUS

July 2020 to 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	12,354											
Enviro	134											
Design	-											
Construct	-											
Closeout	-											
	16,028	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	1,300	1,400	1,400	1,400	1,400	0	16,028
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**

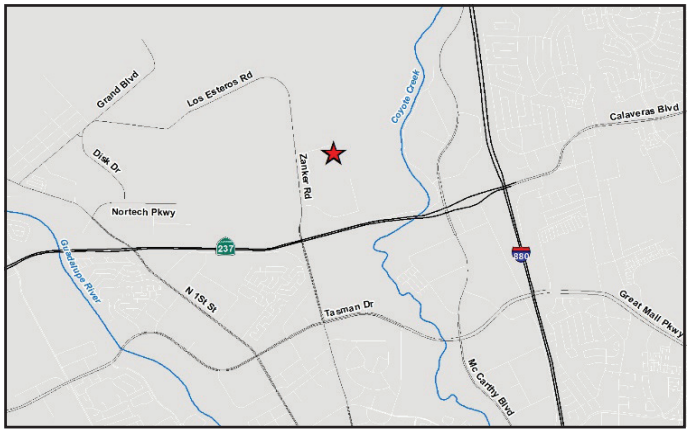
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PROJECT	Pure Water Silicon Valley - Phase 1		
PROGRAM	Water Supply - Recycled Water	**CONTACT**	Kirsten Struve
PROJECT NO.	91294001		kstruve@valleywater.org



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 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	56,036											
Closeout	250											
	100,354	Total project cost may include expenditures not yet allocated to a specific phase.										

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**FY31**	**Future**	
91294001-Pure Water Silicon Valley - Phase 1	9,237	7,451	15,529	28,341	32,209	7,337	250	0	100,354
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 $)

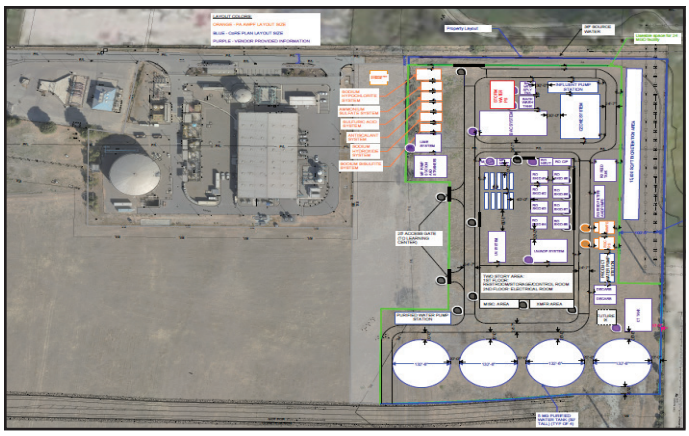
	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY25**	**FY26**		**FY27**	**FY28**	**FY29**	**FY30**	**FY31**	**Future**	
91294001-Pure Water Silicon Valley - Phase 1	9,294	7,394	-0	16,256	30,384	34,931	8,189	313	0	106,762
Adjusted Budget includes adopted budget plus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

FUNDING SOURCES

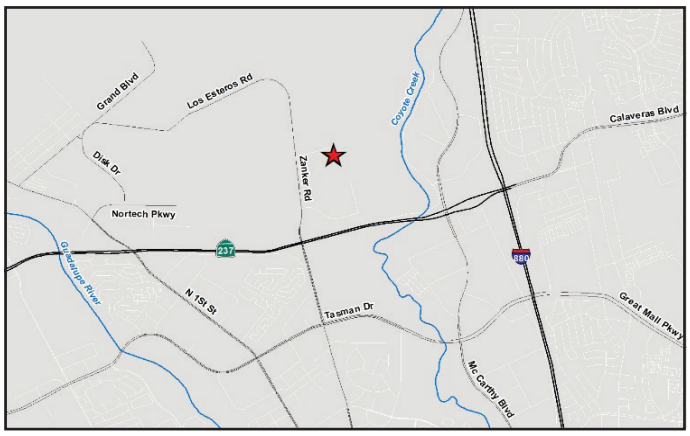
(in thousands $)

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 Location
Project Location

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 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 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 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	6,813											
Enviro	5,148											
Design	116,544											
Construct	1,653,879											
Closeout	1,000											
	1,783,384	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	1,794	2,402	34,502	68,041	16,346	1,660,299	1,783,384
with inflation	0	0	1,877	2,628	39,486	81,451	20,468	2,302,987	2,448,896
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	2,628	39,486	81,451	20,468	2,302,987	2,448,896
Adjusted Budget includes adopted budget plus approved budget adjustments.										

FUNDING SOURCES

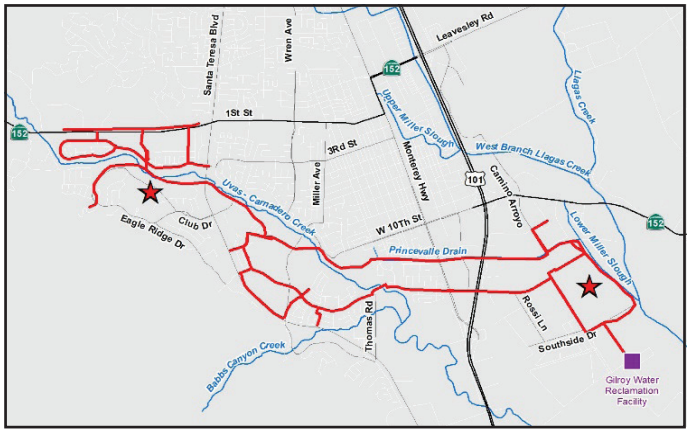
(in thousands $)

SCVWD Water Utility Enterprise Fund	2,448,896
Other Funding Source	0
Total	**2,448,896**

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



Restricted land access puts recycled water delivery at risk



Location Map

PROJECT DESCRIPTION

Valley Water is contractually required to maintain and operate the recycled water pipeline in South County as a part of an agreement with the South County Regional Wastewater Authority (SCRWA). It has been determined that there are insufficient and expired land rights to Valley Water's recycled water pipeline in segments near the Eagle Ridge Golf Course and along Hecker Pass Road. In the event of a pipe failure, Valley Water's rights to legally operate and maintain the recycled water conveyance system may be challenged, which puts our commitment to deliver recycled water to its South County customers at risk.

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

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

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

SCHEDULE & STATUS

July 2020 to June 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	6,905											
Construct	-											
Closeout	28											
	6,977	Total project cost may include expenditures not yet allocated to a specific phase.										

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**FY31**	**Future**	
91094001-Land Rights - South County Recycled Water Pipeline	325	3,451	3,202	0	0	0	0	0	6,977
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

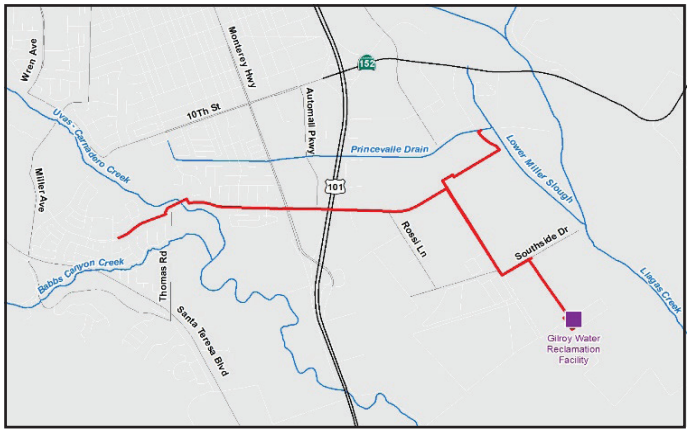
(in thousands $)

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) will construct an additional 18,500 linear feet of pipeline
- 91094010 – South County Recycled Water Pipeline (Short Term Phase 2, Long Term 3) will be completed through cost-sharing opportunities with the City of Gilroy and land developers to construct a 30-inch diameter pipeline
- 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	47,785											
Closeout	223											
	63,459	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	45,801
with inflation	40,785	4,927	93	0	0	0	0	0	45,805
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**	**63,459**
with inflation	**57,618**	**5,752**	**93**	**0**	**0**	**0**	**0**	**0**	**63,463**
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	3,033	0	93	0	0	0	0	0	45,805
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**	**1**	**93**	**0**	**0**	**0**	**0**	**0**	**63,464**
Adjusted Budget includes adopted budget plus approved budget adjustments.										

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	55,658
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	**63,464**