Water Supply

Water Supply Capital Improvements

WATER SUPPLY OVERVIEW

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

Storage Facilities

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

Transmission Facilities

- 142 miles of pipelines
- 3 pump stations

Treatment Facilities

- 3 treatment plants

Recycled & Purified Water Facilities

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

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

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

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

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

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

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

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

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

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

Valley Water is partnering with Pacheco Pass Water District and San Benito County Water District for the Pacheco Reservoir Expansion Project. This Project will encompass the acquisition and expansion of this reservoir from 6,000 AF to 140,000 AF and will provide water quality benefits, operational flexibility, emergency storage, flood protection, and ecosystem benefits. On July 24, 2018, the California Water Commission awarded $484.55 million to support the project, including an early funding award of $24.2 million. In February 2021, the maximum conditional eligibility determination was increased to $496.7 million to reflect an inflation adjustment of 2.5%. In March 2022, the maximum conditional eligibility determination was increased to approximately $504 million to reflect an inflation adjustment of 1.5%.

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

Major Capital Improvements Identified in the CIP

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

Storage Facilities

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

Transmission Facilities

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

Treatment Facilities - Water Treatment Plants (WTP)

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

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

Recycled & Purified Water Facilities

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

Capital Investments Not Included in the CIP

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

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

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

Operations and Maintenance Costs

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

CIP DEVELOPMENT PROCESS AND FINANCIAL ANALYSIS

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

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

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

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

The financial analysis of the Water Utility Enterprise Fund, which is the funding source for the water supply capital improvements, is conducted in conjunction with the groundwater production charge process. Valley Water's Board of Directors were presented a number of water charge scenarios on January 14, 2025. The annual Protection and Augmentation of Water Supplies Report (PAWS) outlines the

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

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

Significant Project Updates From Prior Year

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

Capital Improvement Project Updates

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

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

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

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

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

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

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

Small Capital Improvement Project Updates

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

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

New Capital Improvement Projects Included

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

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

Water Supply Capital Improvements

The following table is a project funding schedule for water supply capital improvements resulting from this year's financial analysis. Detailed information for each project can be found in this document on the following pages in the order presented in this table. The chart also identifies partially funded projects and estimated unspent appropriation from FY 2024-25.

Water Supply Funding Schedule ($K)

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

*FY 2025 Adjusted Budget includes adopted budget plus budget adjustments

FY 2024-25 Funds to be reappropriated

Water Supply Capital Improvements

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

Water Supply - Funding Sources ($K)

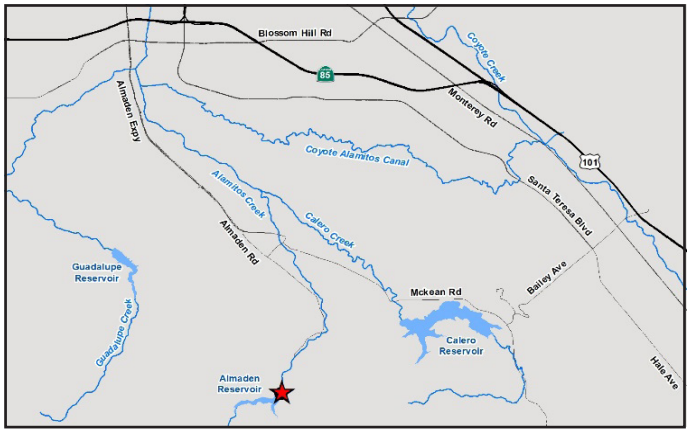
Fund Number	FUND NAME	Through FY24	FY25*	FY25 Unspent	FY26	FY27	FY28	FY29	FY30	FY31-40	TOTAL
61	Water Utility Enterprise Fund	1,467,141	285,782	80,478	290,012	409,538	374,439	566,518	728,268	3,787,444	7,909,142
26	Safe, Clean Water and Natural Flood Protection Fund	-	-	-	587	730	1,446	664	-	-	3,426
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

FY 2024-25 Funds to be reappropriated

Storage Facilities

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

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



Location Map

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements to the Almaden Dam outlet works to accomplish the following objectives:

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

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 50+ Years

SCHEDULE & STATUS

July 1995 to June 2031

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

EXPENDITURE SCHEDULE

(in thousands $)

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

FUNDING SCHEDULE

(in thousands $)

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

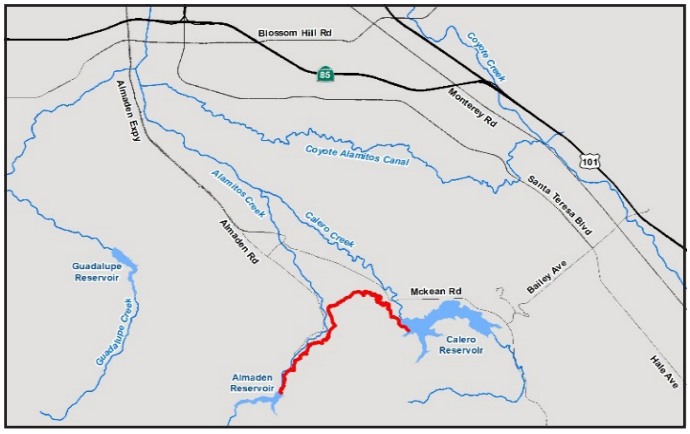
FUNDING SOURCES

(in thousands $)

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

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

Cracks and separated lining in the canal



Location Map

PROJECT DESCRIPTION

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

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

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 50+ Years

SCHEDULE & STATUS

July 2023 to June 2028

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

EXPENDITURE SCHEDULE

(in thousands $)

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

FUNDING SCHEDULE

(in thousands $)

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

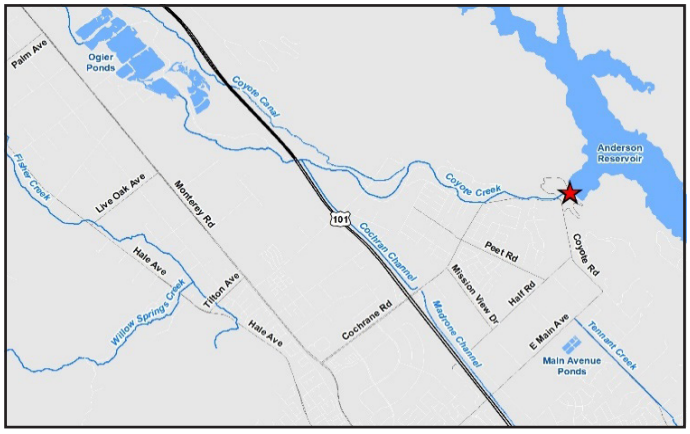
FUNDING SOURCES

(in thousands $)

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

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

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



Location Map

PROJECT DESCRIPTION

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

The project will accomplish the following objectives:

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

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

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

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

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 50+ Years

SCHEDULE & STATUS

January 2011 to December 2035

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

EXPENDITURE SCHEDULE

(in thousands $)

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

FUNDING SCHEDULE

(in thousands $)

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

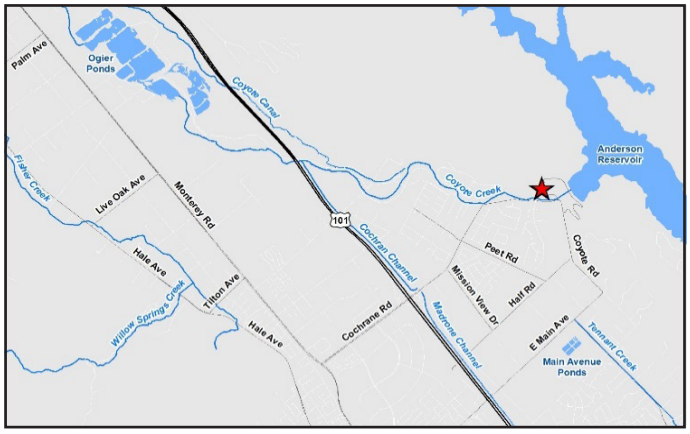
FUNDING SOURCES

(in thousands $)

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

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

Aerial view of Anderson Dam Tunnel outlet portal work area



Location Map

PROJECT DESCRIPTION

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

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

The project objectives include:

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

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 50+ Years

SCHEDULE & STATUS

February 2020 to November 2027

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

EXPENDITURE SCHEDULE

(in thousands $)

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

FUNDING SCHEDULE

(in thousands $)

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

FUNDING SOURCES

(in thousands $)

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

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

Floodwall surrounding Coyote Creek outdoor classroom

Location Map

Project 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 opertating cost impacts.

USEFUL LIFE: 30 Years

SCHEDULE & STATUS

February 2020 to June 2028

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

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

EXPENDITURE SCHEDULE

(in thousands $)

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

FUNDING SCHEDULE

(in thousands $)

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

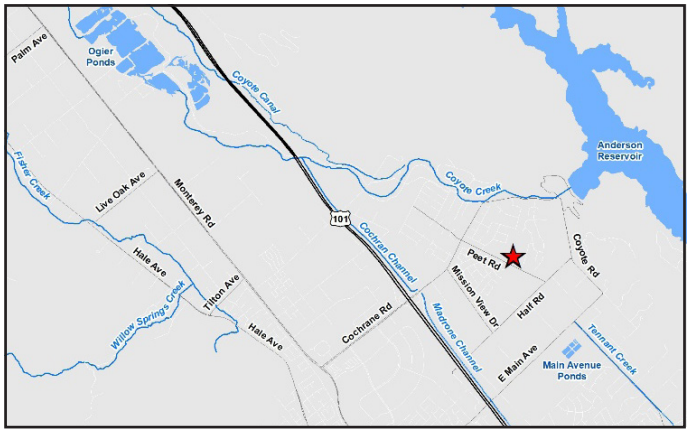
FUNDING SOURCES

(in thousands $)

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

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

Example of Modular Chiller Plant



Location Map

★ Project Location

PROJECT DESCRIPTION

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

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

The project objectives include:

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

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 10 Years

SCHEDULE & STATUS

July 2020 to October 2025

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

EXPENDITURE SCHEDULE

(in thousands $)

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

FUNDING SCHEDULE

(in thousands $)

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

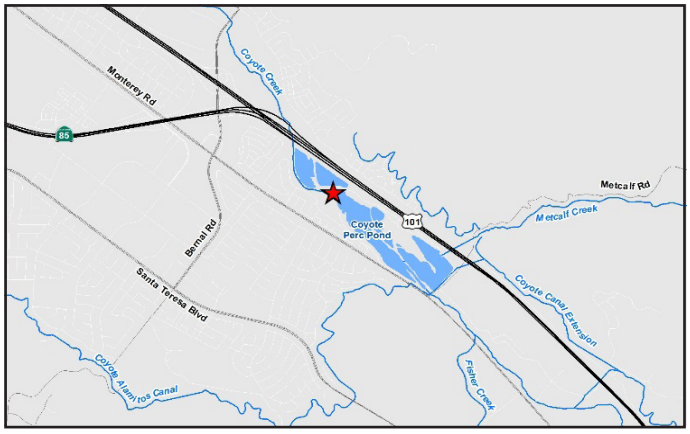
FUNDING SOURCES

(in thousands $)

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

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

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



Location Map

★ Project 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, 2025.

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

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

SCHEDULE & STATUS

June 2020 to June 2025

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

EXPENDITURE SCHEDULE

(in thousands $)

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

FUNDING SCHEDULE

(in thousands $)

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

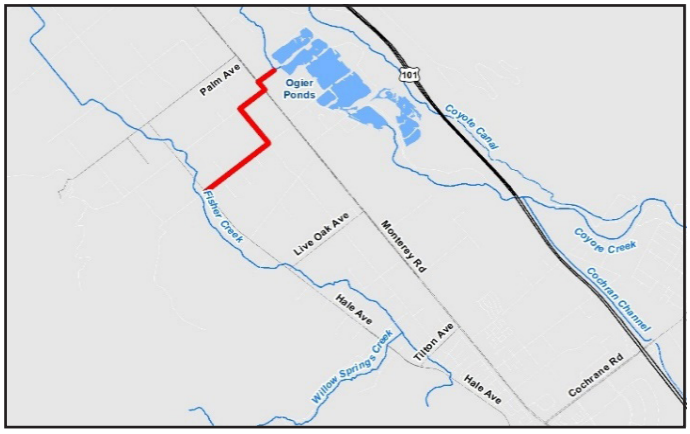
FUNDING SOURCES

(in thousands $)

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

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

View looking downsteam of Coyote Creek at the outfall of CVPEP



Location Map

PROJECT DESCRIPTION

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

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

The project objectives include:

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

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

OPERATING COST IMPACTS

See Appendix D for operating cost impacts

USEFUL LIFE: 50+ Years

SCHEDULE & STATUS

June 2020 to January 2025

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

EXPENDITURE SCHEDULE

(in thousands $)

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

FUNDING SCHEDULE

(in thousands $)

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

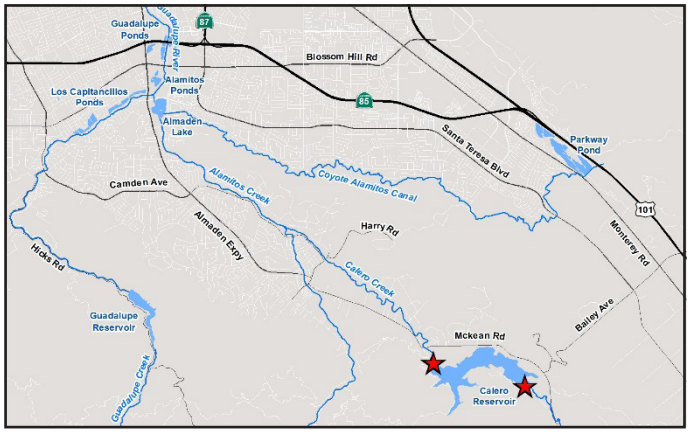
FUNDING SOURCES

(in thousands $)

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

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

Aerial view of the Calero Dam and reservoir



Location Map

PROJECT DESCRIPTION

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

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

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 50+ Years

SCHEDULE & STATUS

January 2015 to June 2035

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

EXPENDITURE SCHEDULE

(in thousands $)

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

FUNDING SCHEDULE

(in thousands $)

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

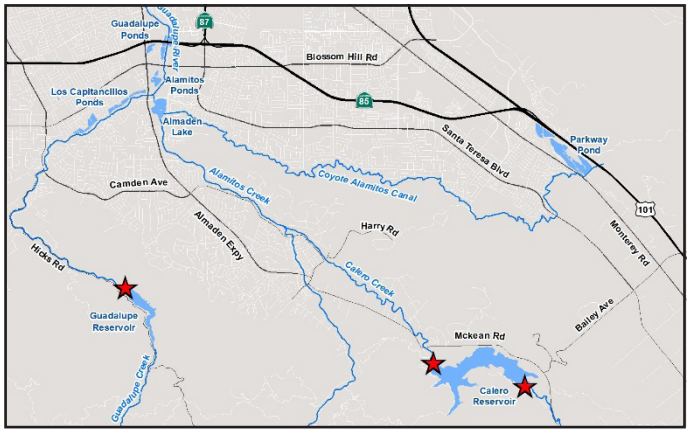
FUNDING SOURCES

(in thousands $)

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

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

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



Location Map

PROJECT DESCRIPTION

This project will complete the planning, environmental, and permitting efforts for both the Calero and Guadalupe Dams. The project will accomplish the following objectives:

Calero Dam

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

Guadalupe Dam

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

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 50+ Years

SCHEDULE & STATUS

August 2012 to June 2028

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

EXPENDITURE SCHEDULE

(in thousands $)

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

FUNDING SCHEDULE

(in thousands $)

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

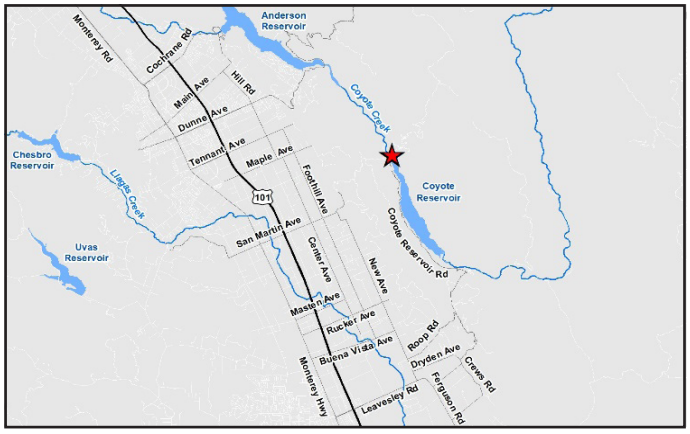
FUNDING SOURCES

(in thousands $)

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

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

Aerial photo from downstream during February 2017 storm event



Location Map

PROJECT DESCRIPTION

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

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

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 50+ Years

SCHEDULE & STATUS

July 2025 to June 2039

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

EXPENDITURE SCHEDULE

(in thousands $)

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

FUNDING SCHEDULE

(in thousands $)

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

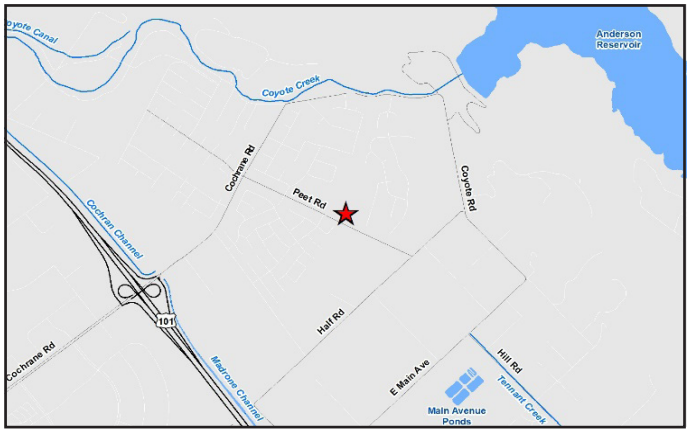
FUNDING SOURCES

(in thousands $)

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

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

ASD motors at the Coyote Pumping Plant



Location Map

PROJECT DESCRIPTION

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

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

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: Not Available

SCHEDULE & STATUS

July 2017 to June 2027

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

EXPENDITURE SCHEDULE

(in thousands $)

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

FUNDING SCHEDULE

(in thousands $)

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

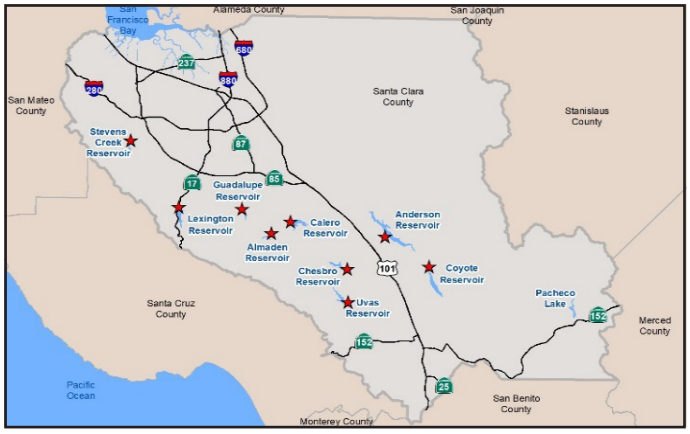
FUNDING SOURCES

(in thousands $)

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

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

Field exploration for seismic stability evaluations



Location Map

PROJECT DESCRIPTION

This project conducts preliminary planning (seismic stability evaluation) for ten dams to accomplish the following objectives:

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

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

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: TBD

SCHEDULE & STATUS

August 2009 to June 2033

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

EXPENDITURE SCHEDULE

(in thousands $)

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

FUNDING SCHEDULE

(in thousands $)

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

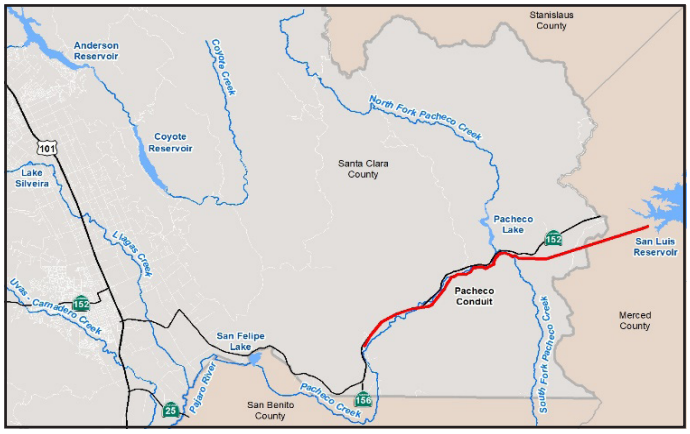
FUNDING SOURCES

(in thousands $)

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

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

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



Location Map

PROJECT DESCRIPTION

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

Projects for FY26 include:

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

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

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: Not Applicable

SCHEDULE & STATUS

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

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

EXPENDITURE SCHEDULE

(in thousands $)

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

FUNDING SCHEDULE

(in thousands $)

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

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

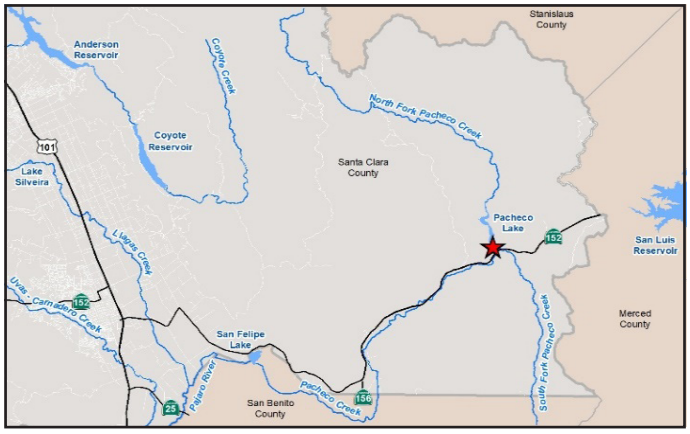
FUNDING SOURCES

(in thousands $)

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

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

Aerial view of Pacheco Reservoir



Location Map

PROJECT DESCRIPTION

This project will include expanding the storage capacity of the existing Pacheco Reservoir to 140,000 acre-feet through construction and operation of a new dam, conveyance facilities, and related appurtenant structures. The Valley Water Board of Directors gave direction to staff to pursue project partners to fund 35% of the project cost which would result in a net storage capacity of 91,000 acre-feet available for Valley Water use.

The project objectives include:

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

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 50+ Years

SCHEDULE & STATUS

December 2018 to December 2036

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

EXPENDITURE SCHEDULE

(in thousands $)

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

FUNDING SCHEDULE

(in thousands $)

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

FUNDING SOURCES

(in thousands $)

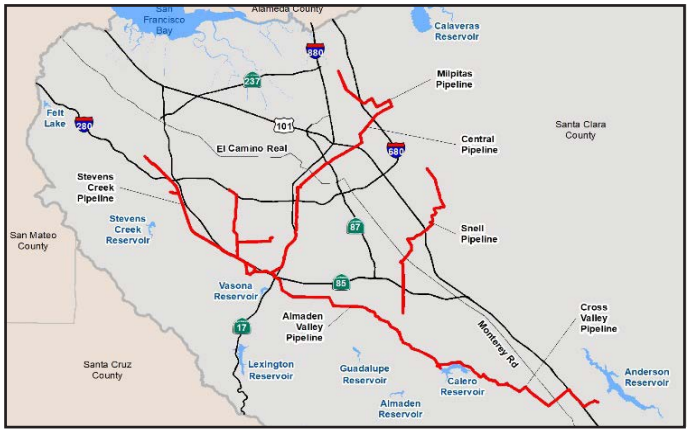
SCVWD Water Utility Enterprise Fund	1,448,368
California Water Commission	504,000
35% Partnership Contributions 4/14/2021 Board Direction (Unsecured)	779,891
Total	**2,732,259**

Valley Water estimates total WIFIA debt service payment for this project would be $1.449 billion in principal, plus $1.252 billion in interest, for a total of $2.701 billion with final payoff of the loan occurring in 2067.

Transmission Facilities

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

A typical rehabilitated line valve assembly



Location Map

PROJECT DESCRIPTION

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

The project includes the following objectives:

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

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

- West Pipeline Phase I
- West Pipeline Phase II

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 50+ Years

SCHEDULE & STATUS

July 2017 to November 2027

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

EXPENDITURE SCHEDULE

(in thousands $)

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

FUNDING SCHEDULE

(in thousands $)

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

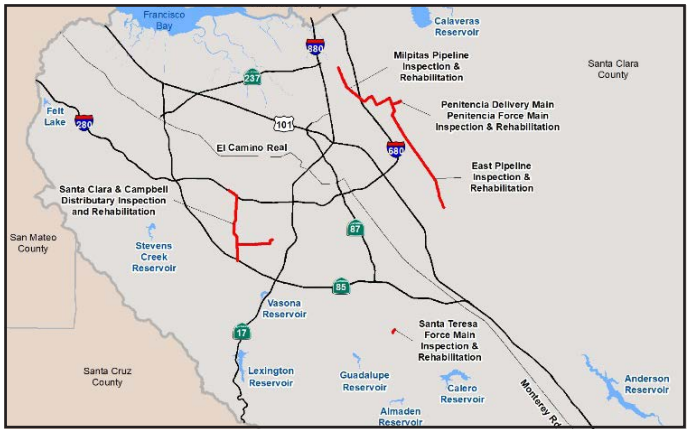
FUNDING SOURCES

(in thousands $)

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

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

Typical Pipeline Maitenance Program Projects



Location Map

PROJECT DESCRIPTION

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

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

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

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 50+ Years

SCHEDULE & STATUS

July 2025 to June 2030

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

EXPENDITURE SCHEDULE

(in thousands $)

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

FUNDING SCHEDULE

(in thousands $)

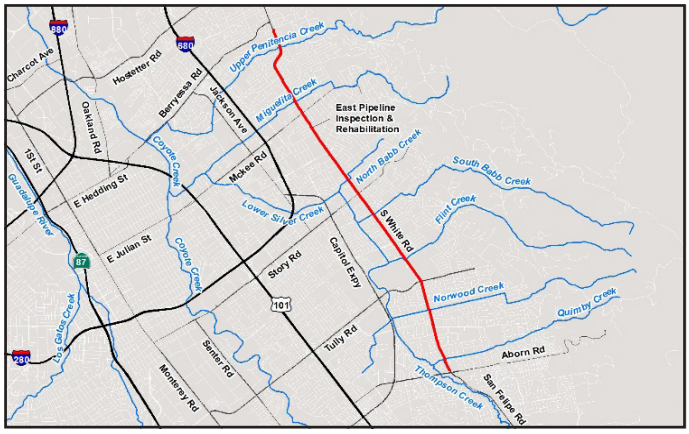
	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
95084003-Pipeline Maintenance Program	0	0	0	627	546	228	119	125	0	1,645
Adjusted Budget includes adopted budget plus approved budget adjustments.										

FUNDING SOURCES

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

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

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



Location Map

PROJECT DESCRIPTION

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

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

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 50+ Years

SCHEDULE & STATUS

July 2025 to March 2030

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

EXPENDITURE SCHEDULE

(in thousands $)

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

FUNDING SCHEDULE

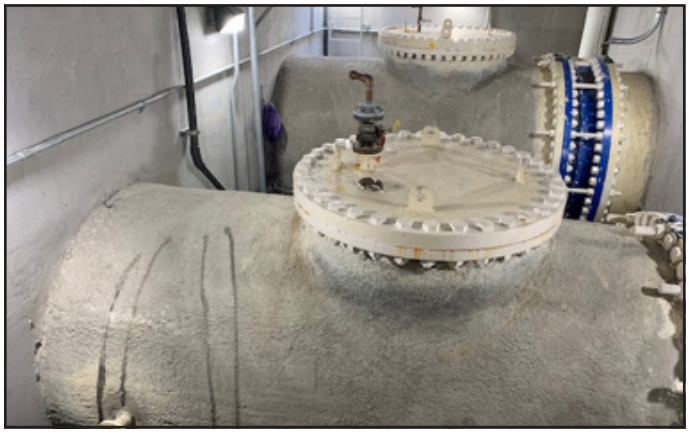
(in thousands $)

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

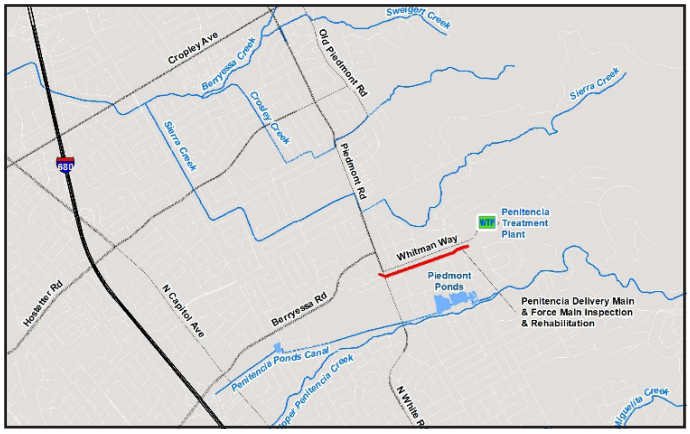
FUNDING SOURCES

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

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



View of the Penitencia Delivery Main & Force Main & Vault



Location Map

PROJECT DESCRIPTION

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

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

OPERATING COST IMPACTS

See Appendix D for Operating cost impacts.

USEFUL LIFE: 50 Years

SCHEDULE & STATUS

July 2025 to June 2028

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

EXPENDITURE SCHEDULE

(in thousands $)

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

FUNDING SCHEDULE

(in thousands $)

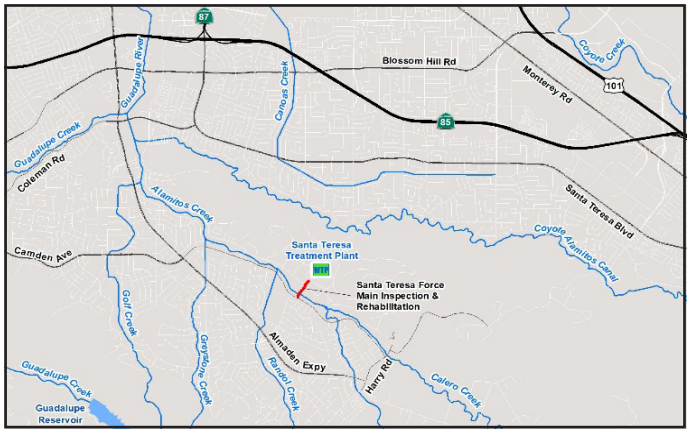
	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
95084005-Penitencia Delivery Main and Force Main Inspection & Rehabilitation	0	0	0	1,780	3,301	171	0	0	0	5,252
Adjusted Budget includes adopted budget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

FUNDING SOURCES

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

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

Piping and valves on the Santa Teresa Force Main



Location Map

PROJECT DESCRIPTION

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

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

OPERATING COST IMPACTS

See Appendix D for operating cost impacts

USEFUL LIFE: 50+ Years

SCHEDULE & STATUS

July 2025 to January 2029

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

EXPENDITURE SCHEDULE

(in thousands $)

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

FUNDING SCHEDULE

(in thousands $)

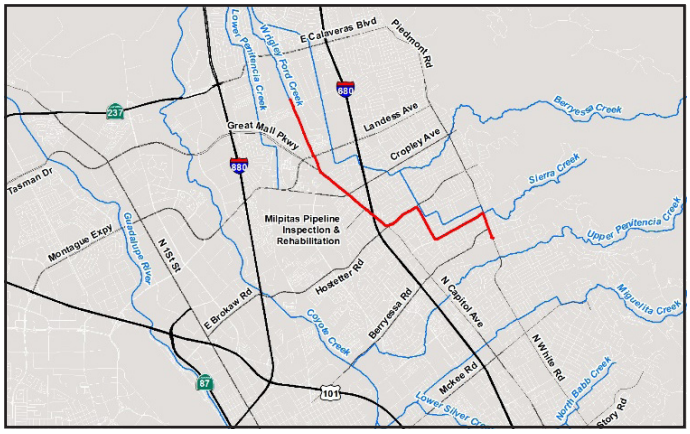
	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
95084006-Santa Teresa Force Main Inspection & Rehabilitation	0	0	0	587	730	1,446	664	0	0	3,426
Adjusted Budget includes adopted budget plus approved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

FUNDING SOURCES

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

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

Typical steel pipeline in line valve vault



Location Map

PROJECT DESCRIPTION

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

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

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 50+ Years

SCHEDULE & STATUS

June 2025 to June 2030

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

EXPENDITURE SCHEDULE

(in thousands $)

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

FUNDING SCHEDULE

(in thousands $)

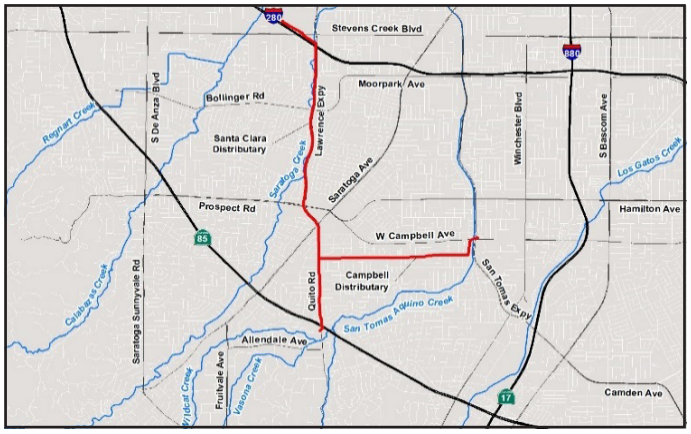
	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
95084007-Milpitas Pipeline Inspection & Rehabilitation Project	0	0	0	616	1,206	2,016	11,829	373	0	16,040
Adjusted Budget includes adopted budget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

FUNDING SOURCES

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

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

A typical air release valve within the project scope



Location Map

PROJECT DESCRIPTION

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

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 50 Years

SCHEDULE & STATUS

October 2026 to June 2030

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

EXPENDITURE SCHEDULE

(in thousands $)

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

FUNDING SCHEDULE

(in thousands $)

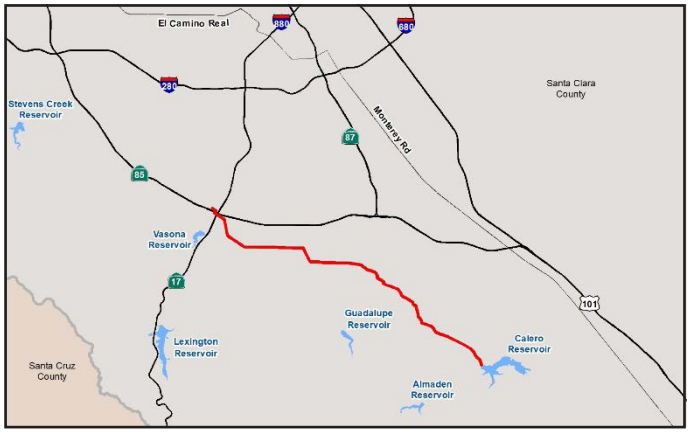
	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
95084008-Santa Clara and Campbell Distributary Inspection & Rehabilitation	0	0	0	0	601	628	954	10,451	0	12,633
Adjusted Budget includes adopted budget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

FUNDING SOURCES

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

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

Almaden Valley Pipeline Replacement work is underway



Location Map

PROJECT DESCRIPTION

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

The project will accomplish the following objective:

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

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 50+ Years

SCHEDULE & STATUS

July 2022 to June 2041

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

EXPENDITURE SCHEDULE

(in thousands $)

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

FUNDING SCHEDULE

(in thousands $)

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

FUNDING SOURCES

(in thousands $)

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

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

Distribution System Master Plan Implementation

Location Map

PROJECT DESCRIPTION

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

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: Not Applicable

SCHEDULE & STATUS

June 2020 to June 2027

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

EXPENDITURE SCHEDULE

(in thousands $)

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

FUNDING SCHEDULE

(in thousands $)

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

FUNDING SOURCES

(in thousands $)

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

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

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

Location map

PROJECT DESCRIPTION

In 1996, Guadalupe-Coyote Resource Conservation District (GCRCD) filed a water rights complaint against Valley Water alleging degraded fish, wildlife, water quality and other beneficial uses in Coyote Creek, Guadalupe River and Stevens Creek. The 1997 listing of Central California Coast Steelhead as a threatened species under Federal Endangered Species Act requires Valley Water to obtain permits to address the impacts of its water supply activities on aquatic habitat and instream flows.

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

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: Not Applicable

SCHEDULE & STATUS

July 2026 to June 2035

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

EXPENDITURE SCHEDULE

(in thousands $)

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

FUNDING SCHEDULE

(in thousands $)

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

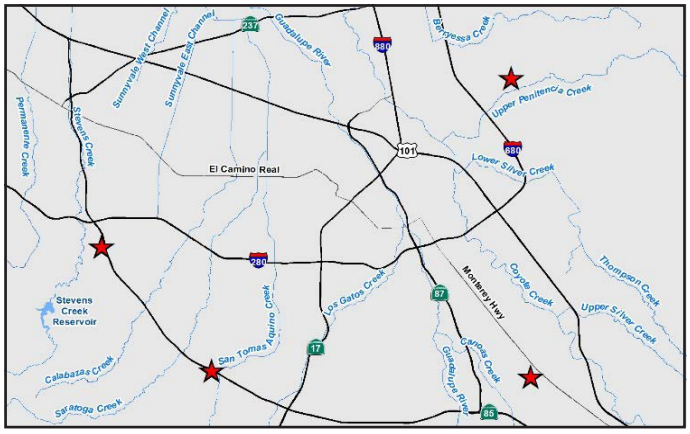
FUNDING SOURCES

(in thousands $)

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

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

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



Location Map

PROJECT DESCRIPTION

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

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

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

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 35 Years

SCHEDULE & STATUS

July 2018 to June 2029

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

EXPENDITURE SCHEDULE

(in thousands $)

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

FUNDING SCHEDULE

(in thousands $)

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

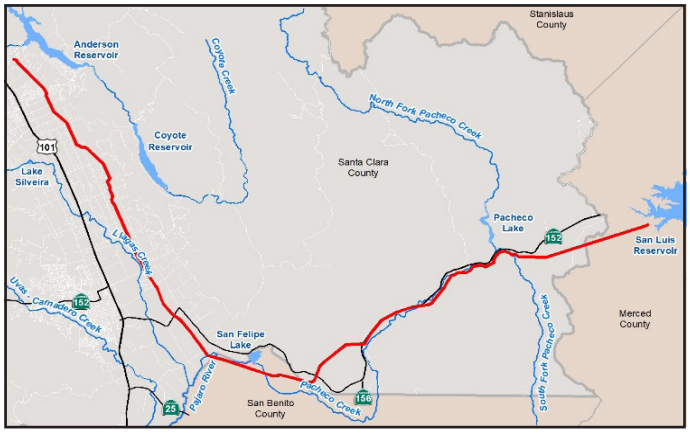
FUNDING SOURCES

(in thousands $)

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

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

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



Location Map

PROJECT DESCRIPTION

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

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

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 15-20 Years

SCHEDULE & STATUS

July 2009 to September 2026

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

EXPENDITURE SCHEDULE

(in thousands $)

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

FUNDING SCHEDULE

(in thousands $)

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

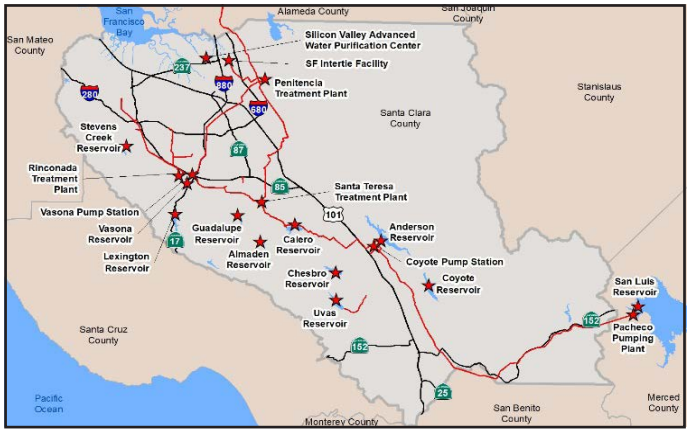
FUNDING SOURCES

(in thousands $)

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

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

Process control / SCADA system



Location Map

PROJECT DESCRIPTION

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

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

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: Not Applicable

SCHEDULE & STATUS

July 2020 to June 2027

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

EXPENDITURE SCHEDULE

(in thousands $)

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

FUNDING SCHEDULE

(in thousands $)

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

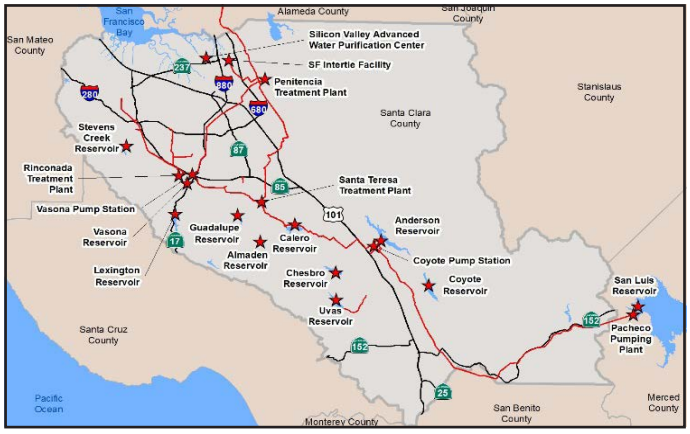
FUNDING SOURCES

(in thousands $)

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

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

Supervisory Control and Data Acquisition System (SCADA)



Location Map

PROJECT DESCRIPTION

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

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

The project will accomplish the following objectives:

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

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: TBD

SCHEDULE & STATUS

July 2025 to June 2034

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

EXPENDITURE SCHEDULE

(in thousands $)

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

FUNDING SCHEDULE

(in thousands $)

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

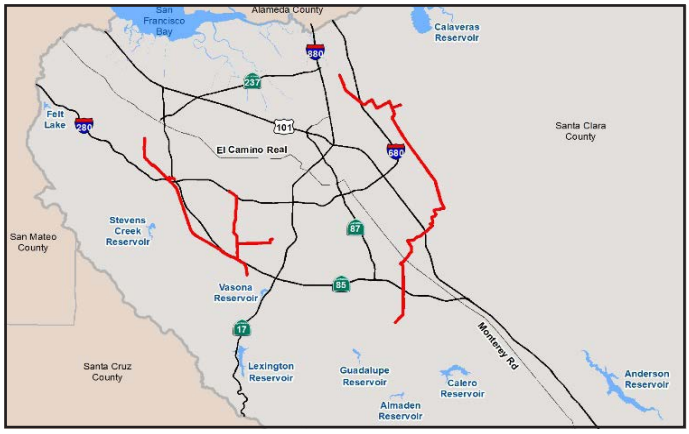
FUNDING SOURCES

(in thousands $)

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

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

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



Location Map

PROJECT DESCRIPTION

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

Planned projects for FY26 include:

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

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: Not Applicable

SCHEDULE & STATUS

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

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

EXPENDITURE SCHEDULE

(in thousands $)

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

FUNDING SCHEDULE

(in thousands $)

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

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

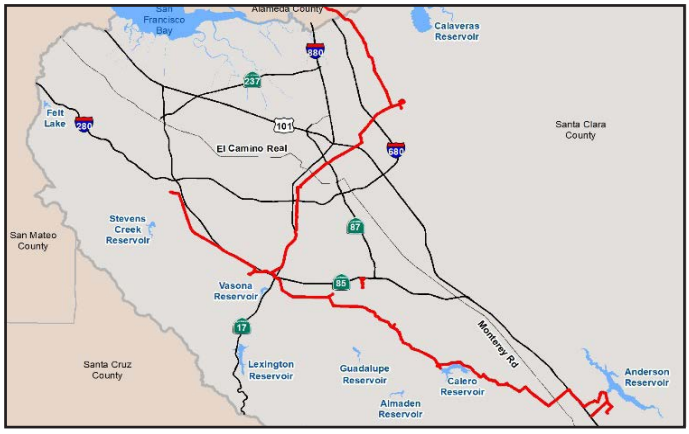
FUNDING SOURCES

(in thousands $)

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

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

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



Location Map

PROJECT DESCRIPTION

This project provides resources for the improvement of small capital investments that replace or extend the life of an asset. This project will repair or rehabilitate various existing raw water distribution facilities. The work includes identifying and fixing corrosion problems, replacing valves and other appurtenances, modifying water recharge facilities to avoid failure of the raw water transmission system, and extending the life of the infrastructure. This project is part of Valley Water's 10-Year Asset Management Program.

Planned projects for FY26 include:

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

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: Not Applicable

SCHEDULE & STATUS

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

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

EXPENDITURE SCHEDULE

(in thousands $)

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

FUNDING SCHEDULE

(in thousands $)

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

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

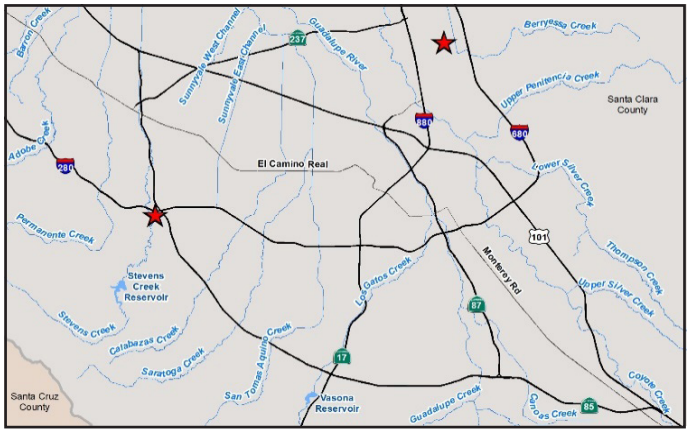
FUNDING SOURCES

(in thousands $)

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

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

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



Location Map

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

EXPENDITURE SCHEDULE

(in thousands $)

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

FUNDING SCHEDULE

(in thousands $)

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

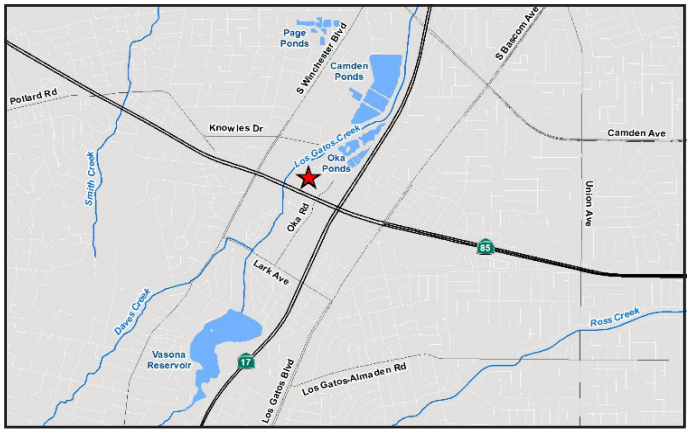
FUNDING SOURCES

(in thousands $)

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

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

Vasona Pump Station



Location Map

★ Project Location

PROJECT DESCRIPTION

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

The project will accomplish the following objectives:

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

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 50 Years

SCHEDULE & STATUS

October 2019 to February 2029

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

EXPENDITURE SCHEDULE

(in thousands $)

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

FUNDING SCHEDULE

(in thousands $)

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

FUNDING SOURCES

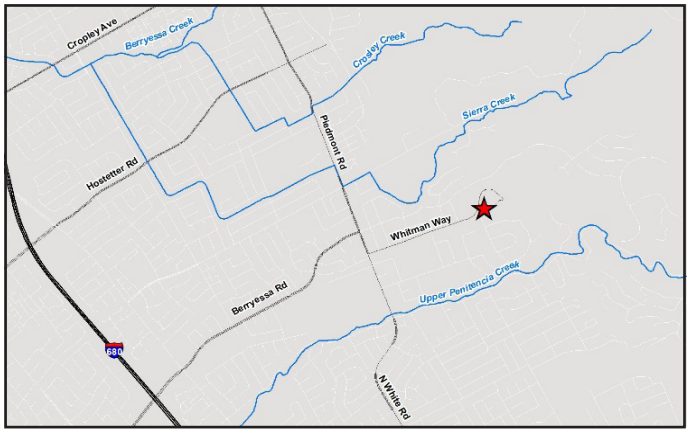
(in thousands $)

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

Treatment Facilities

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

Existing belt press to be replaced with new residuals management facility



Location Map

★ Project Location

PROJECT DESCRIPTION

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

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

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE:

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

SCHEDULE & STATUS

July 2020 to May 2030

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

EXPENDITURE SCHEDULE

(in thousands $)

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

FUNDING SCHEDULE

(in thousands $)

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

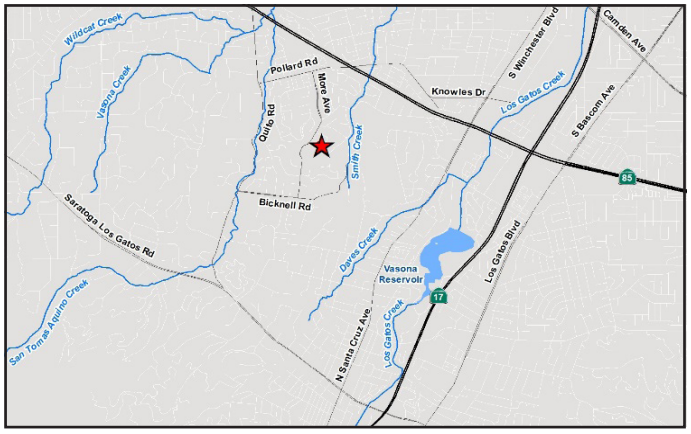
FUNDING SOURCES

(in thousands $)

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

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

Centrifuge for mechanical dewatering of sludge



Location Map

★ Project Location

PROJECT DESCRIPTION

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

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

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

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE:

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

SCHEDULE & STATUS

May 2018 to January 2025

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

EXPENDITURE SCHEDULE

(in thousands $)

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

FUNDING SCHEDULE

(in thousands $)

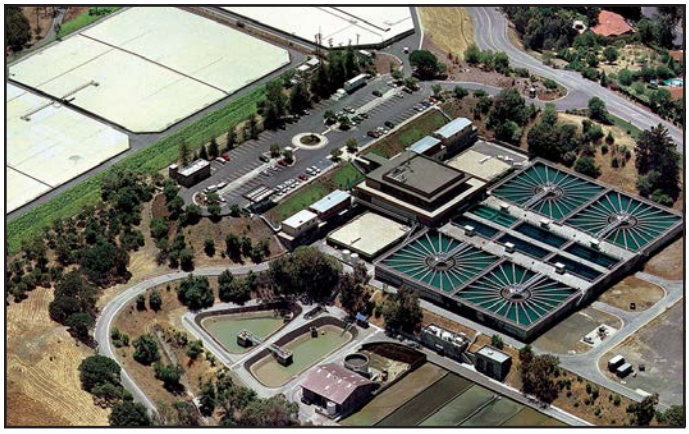
	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
93294051-RWTP FRP Residuals Management	32,122	0	0	0	0	0	0	0	0	32,122
93294058-RWTP Residuals Remediation	42,869	900	0	0	0	0	0	0	0	43,769
TOTAL	**74,991**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

FUNDING SOURCES

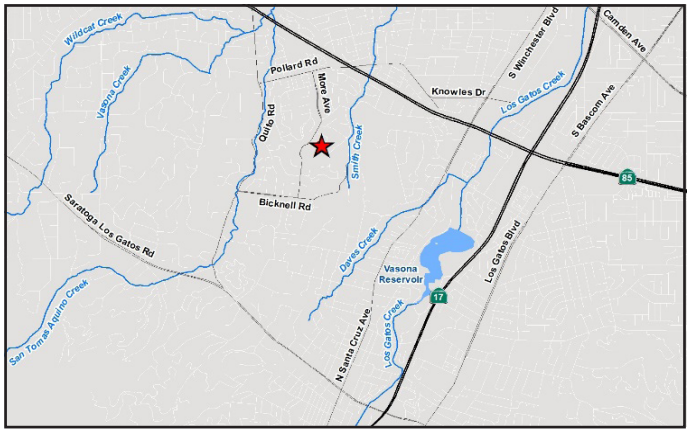
(in thousands $)

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

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



Aerial view of the Rinconada Water Treatment Plant facing west



Location Map

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

EXPENDITURE SCHEDULE

(in thousands $)

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

FUNDING SCHEDULE

(in thousands $)

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

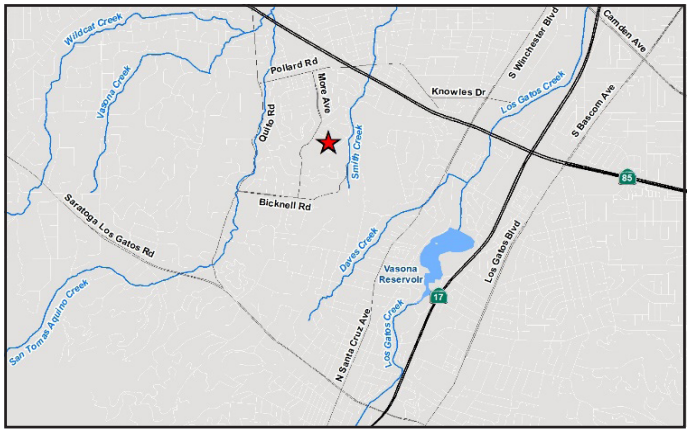
FUNDING SOURCES

(in thousands $)

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

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

Rinconada Water Treatment Plant Aqua Ammonia Tank



Location Map

PROJECT DESCRIPTION

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

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 40+ Years

SCHEDULE & STATUS

July 2023 to June 2028

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

EXPENDITURE SCHEDULE

(in thousands $)

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

FUNDING SCHEDULE

(in thousands $)

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

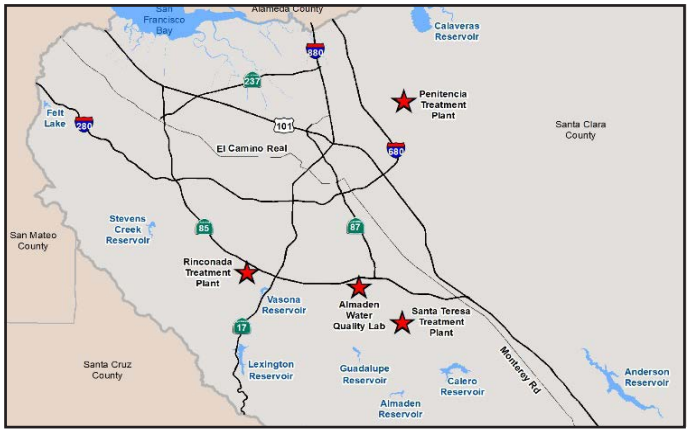
FUNDING SOURCES

(in thousands $)

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

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

Sludge pond sediment removal at Santa Teresa Water Treatment Plant



Location Map

PROJECT DESCRIPTION

This project provides resources for small capital improvements that replace or extend the life of an asset. This project implements a systematic approach of equipment replacement and renewal at the three water treatment plants and laboratory by designing and constructing improvements identified as part of Valley Water's 10-Year Asset Management Program. Typical activities of this project will include pump, motor, instrumentation, and valve replacement, chemical tank repairs, and large-scale renewal and replacement activities, such as clarifier mechanism overhaul and replacement.

This project includes the following objectives:

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

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: Not Applicable

SCHEDULE & STATUS

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

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

EXPENDITURE SCHEDULE

(in thousands $)

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

FUNDING SCHEDULE

(in thousands $)

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

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

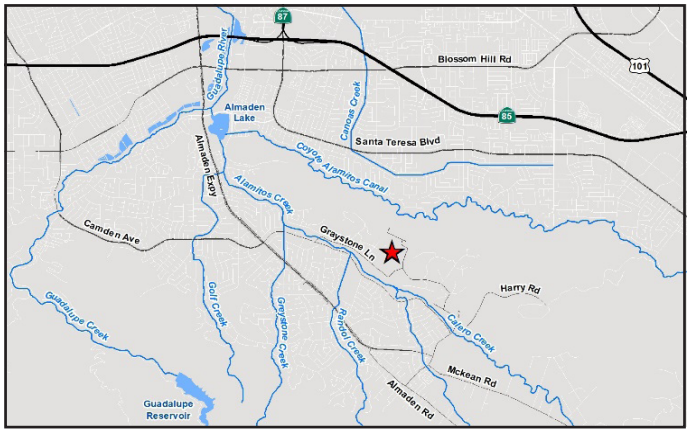
FUNDING SOURCES

(in thousands $)

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

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

Santa Teresa Water Treatment Plant Filter Media Replacement



Location Map

★ Project Location

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements to the Santa Teresa Water Treatment Plant (STWTP) filter basins to ensure that STWTP maintains its operational capacity and continues to effectively serve customers, retailers, and the public with safe and high-quality drinking water.

This project will accomplish the following objectives:

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

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

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 10-15 Years

SCHEDULE & STATUS

June 2019 to April 2025

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

EXPENDITURE SCHEDULE

(in thousands $)

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

FUNDING SCHEDULE

(in thousands $)

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

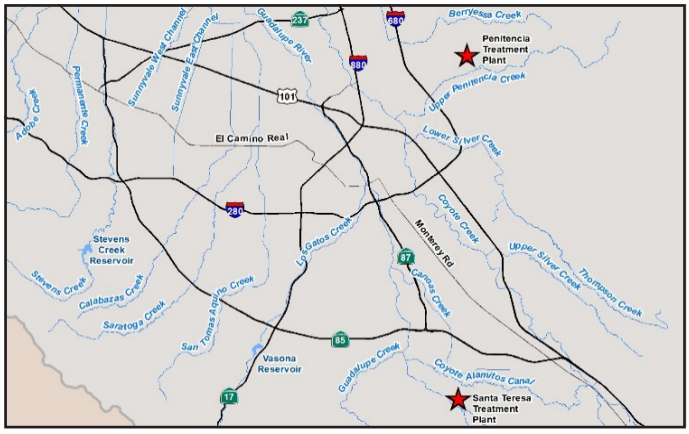
FUNDING SOURCES

(in thousands $)

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

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

Motor control center switchboard



Location Map

PROJECT DESCRIPTION

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

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

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

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 30+ Years

SCHEDULE & STATUS

March 2020 to July 2029

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

EXPENDITURE SCHEDULE

(in thousands $)

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

FUNDING SCHEDULE

(in thousands $)

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

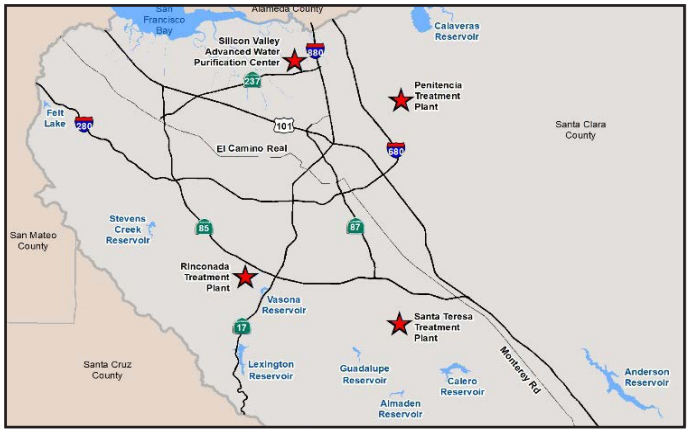
FUNDING SOURCES

(in thousands $)

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

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

Improvements in four water treatment facilities operated by Valley Water



Location Map

★ Project 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 December 2025

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

EXPENDITURE SCHEDULE

(in thousands $)

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

FUNDING SCHEDULE

(in thousands $)

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

FUNDING SOURCES

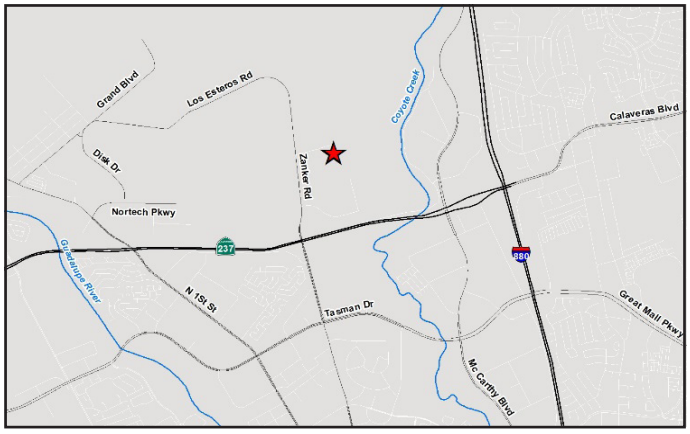
(in thousands $)

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

Recycled & Purified Water Facilities

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

Rendition of Future Facility



Location Map

PROJECT DESCRIPTION

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

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

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE 30 Years

SCHEDULE & STATUS

July 2024 to June 2031

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

EXPENDITURE SCHEDULE

(in thousands $)

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

FUNDING SCHEDULE

(in thousands $)

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

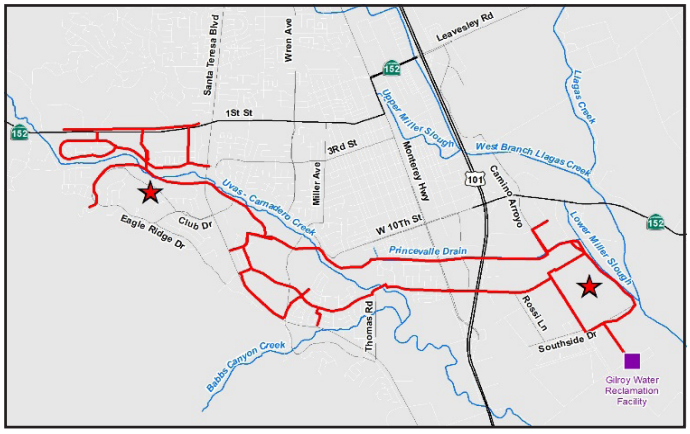
FUNDING SOURCES

(in thousands $)

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

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

Restricted land access puts recycled water delivery at risk



Location Map

PROJECT DESCRIPTION

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

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

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

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

SCHEDULE & STATUS

July 2020 to June 2026

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

EXPENDITURE SCHEDULE

(in thousands $)

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

FUNDING SCHEDULE

(in thousands $)

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

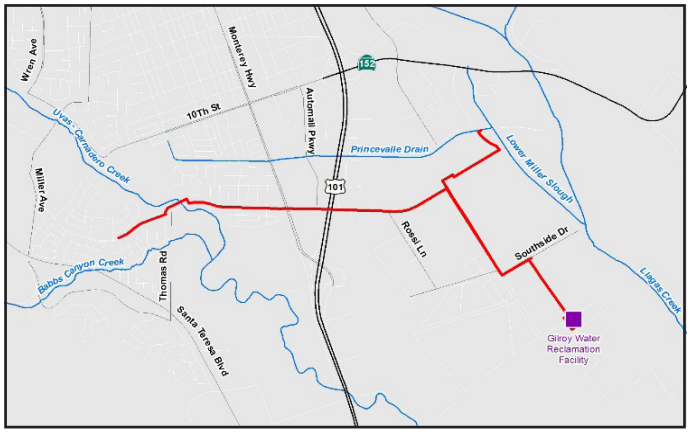
FUNDING SOURCES

(in thousands $)

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

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

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



Location Map

Project Location

PROJECT DESCRIPTION

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

This project is accounted for in the following:

- 91094007 – Recycled Water South County Master Plan (Immediate Term) which included design and construction of recycled water storage, pumping, and distribution facilities for agricultural use near the South County Regional Wastewater Authority (SCRWA) treatment plant – Completed
- 91094008 – Recycled Water South County Master Plan (Short Term Phase 1A) which included installation of approximately 3,000 feet of 30-inch and 36-inch pipeline – Completed
- 91094009 – South County Recycled Water Pipeline (Short Term Phase 1B) will construct an additional 18,500 linear feet of pipeline
- 91094010 – South County Recycled Water Pipeline (Short Term Phase 2, Long Term 3) will be completed through cost-sharing opportunities with the City of Gilroy and land developers to construct a 30-inch diameter pipeline

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: Pipelines – 50 Years
Pumps – 20 Years

SCHEDULE & STATUS

January 2012 to August 2026

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

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

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

EXPENDITURE SCHEDULE

(in thousands $)

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

FUNDING SCHEDULE

(in thousands $)

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

FUNDING SOURCES

(in thousands $)

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