



FY 2022-26

Capital Improvement Program

DRAFT

Santa Clara Valley Water District

Fiscal Years 2022-26 Capital Improvement Program

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February 23, 2021



Valley Water

Clean Water • Healthy Environment • Flood Protection

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Overview

Overview

OVERVIEW

The Santa Clara Valley Water District's (Valley Water) Fiscal Year (FY) 2022-26 Five-Year Capital Improvement Program (CIP) is a projection of Valley Water's capital funding for planned capital projects from FY 2021-22 through FY 2025-26. The purpose of the CIP is to document planned Valley Water projects to help integrate Valley Water work with the larger community by aligning Valley Water planning with other local agency planning efforts.

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

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

1. Acquisition of land for public purpose;
2. Construction of a significant facility, i.e. a flood protection facility, a water treatment facility, or a building;
3. Addition to or expansion of an existing facility;

4. Nonrecurring rehabilitation or major repair to all or part of a facility provided the total cost is more than \$50,000;
5. Specific planning, engineering study, or design work related to an individual project which falls within the above categories;
6. Significant one-time investment in tangible goods

of any nature, the benefit of which will accrue over several years. Examples include items such as large initial investments or improvements in technology or the purchase of a new telephone system.

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

1. Project cost is less than \$4 million;
2. Project can be completed within 2 fiscal years;
3. Rights-of-way acquisition is not required.

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

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

Mission

SANTA CLARA VALLEY WATER

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

Overview

ALIGNMENT WITH ENDS POLICIES

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

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

- Ends Policy E-2 "There is a reliable, clean water supply for current and future generations."
- Ends Policy E-3 "There is a healthy and safe environment for residents, businesses and visitors, as well as for future generations."
 - E-3.1 "Provide natural flood protection for residents, businesses, and visitors"
 - E-3.2 "Reduce potential for flood damages"
- Ends Policy E-4 "There is water resources stewardship to protect and enhance watersheds and natural resources and to improve the quality of life in Santa Clara County."

(See flowchart "CIP Process Alignment with Ends Policies" on page I-5)

CIP PLANNING PROCESS

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

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

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

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

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

- Management review and approval, to ensure staff proposed projects are aligned with Board policies and approved program plans;
- Validation of projects to ensure there is a business case for doing the project and that a capital investment is the best solution;
- Review of all projects, including continuing and newly proposed projects, to ensure the projects in the CIP reflect Board priorities;
- Financial analysis, to determine the capacity of Valley Water's capital funding sources to fund the proposed capital projects;

Overview

- Review of impacts the completed capital project will have on the Operations and Maintenance (O&M) resources.
- Outreach to local jurisdictions with land use authority, within Santa Clara County, to coordinate Valley Water's Capital Improvement Program with their General Plans;
- Board review and direction at appropriate steps, to ensure the CIP reflects Board policies and priorities; and
- Board adoption of the CIP plan.

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

Board Direction and CIP Outreach

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

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

On January 12, 2021 the FY 2022-26 Preliminary CIP project list was reviewed and endorsed by the Board. There were no new projects added to the FY 2022-26 Preliminary CIP.

The following are highlights of changes from the previous year that have been approved as the basis for the FY 2022-26 CIP:

- To fully fund the Water Supply projects in the FY 2022-26 CIP, staff initially proposed increases in groundwater production charges of up to 9.6% in North County Zone W-2 and 10.3% in South County Zone W-7 and a reduction of no more than 4.6% for the modified South County Zone W-5 and 4.4% for the new South County Zone W-8 in FY 2021-22. In light of the economic crisis spurred on by the COVID-19 Pandemic, Valley Water's Board of Directors directed staff to implement a 0% increase to the existing rates for North County Zone W-2 and South County Zone W-7. Staff will return mid-year FY 2021 with updates regarding the local economic situation to determine if a rate adjustment is feasible at that time. The following significant project changes are driving the groundwater production charges:
 - The Pacheco Reservoir Expansion Project increased in cost by \$1.174 billion.
 - The Anderson Dam Seismic Retrofit Project increased in cost by \$102.9 million.
 - The Expedited Purified Water Program decreased in cost by \$85.9 million.
 - The Penitencia Water Treatment Plant Residuals Management Project increased in cost by \$34.5 million.

Overview

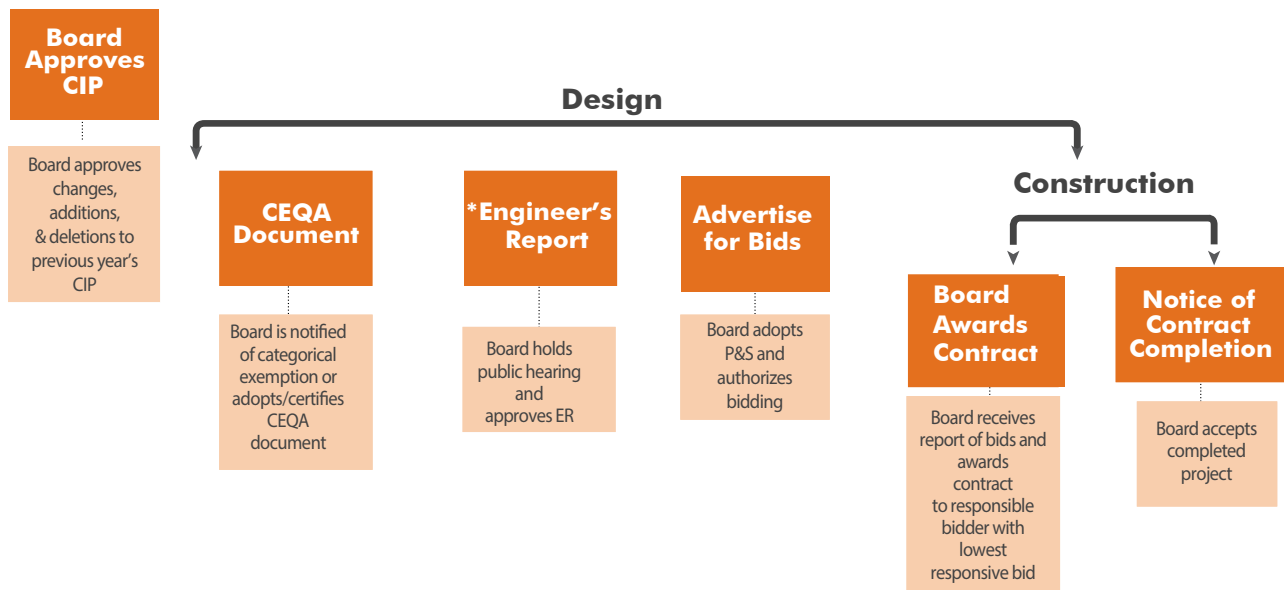
- The 10-Year Pipeline Inspection and Rehabilitation Project increased in cost by \$31.9 million.
- The Rinconada Water Treatment Plant Reliability Improvement Project increased in cost by \$19.3 million.
- The following are highlights of significant project changes under Flood Protection and Water Resources Stewardship:
 - The San Francisco Bay Shoreline Project EIA 11 increased in cost by \$36.3 million.
 - The Lower Berryessa, Lower Penitencia Creek to Calaveras Blvd. Project increased in cost by \$22.7 million.
 - The Upper Llagas Flood Protection Project Phase 2A (local funding only) increased in cost by \$22 million.
 - The Almaden Lake Improvements Project increased in cost by \$26 million.
- Five projects were completed or reprogrammed in the CIP. The Main and Madrone Pipeline Replacement Project, Stream Maintenance Program (SMP) Mitigation Project and E-Discovery Management System Project were all completed in FY21. The Westside Retailer Interties Project was closed and the Safe, Clean Water Program Salt Ponds Restoration Project was reprogrammed under an Operations Project.

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

Overview

Projects in the CIP are typically divided up into planning, design and construction phases. The Board may determine not to implement a project based on various considerations, such as financial constraints, environmental impacts, Operations and Maintenance, or community desire during a project's planning or design phases. The Board has various opportunities to provide direction and approval of capital projects as shown in the graphic below.

OPPORTUNITIES FOR BOARD DIRECTION ON CAPITAL PROJECTS



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

Overview

CIP PROCESS ALIGNMENT WITH ENDS POLICIES



Overview

FISCAL YEAR 2022-26 CIP SUMMARY

The recommended CIP for FY 2022-26 includes 67 priority projects to implement the goals and objectives of Valley Water's program plans and master plans. These projects are grouped into five types of improvements:

- **Water Supply Capital Improvements**
31 projects contributing to Ends Policy E-2
- **Flood Protection Capital Improvements**
17 projects contributing to Ends Policy E-3
- **Water Resources Stewardship Capital Improvements**
11 projects contributing to Ends Policy E-4
- **Buildings and Grounds Capital Improvements**
2 projects supporting Valley Water efforts to achieve the Ends Policies
- **Information Technology Capital Improvements**
6 projects supporting Valley Water efforts to achieve the Ends Policies

Each of the 67 projects in the CIP has an identified funding source based on the type of improvement or function of the project.

The principal sources of revenue for Valley Water are: property taxes; a special parcel tax, which funds the Safe, Clean Water and Natural Flood Protection Program (Safe, Clean Water Program); and water production charges for use of groundwater, treated water, and surface water. These revenues are organized into eight funds. Seven of the eight funds have a specific purpose and only finance the operational and capital

expenditures related to that purpose. In 2008 the Board decided to combine the individual watershed funds into a county-wide watershed and stream stewardship fund to send the message that the watershed activities are managed for the benefit of the county. This also streamlines most tracking and accounting activities for staff. Valley Water continues to receive a small amount of revenue from benefit assessments that were approved by voters in the 1980s and 1990s. These funds are dedicated to specific watersheds and the accounting practices to ensure that they are spent and accounted for appropriately have been kept in place. As shown in the chart below, five of the eight funds are used to finance the five types of capital improvements in the CIP.

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

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

- \$25 million for Lower Silver Creek and Cunningham Flood Detention from DWR;
- \$485 million for Pacheco Reservoir from the California Water Commission;
- \$30 million for Upper Berryessa, Lower Berryessa, and Lower Penitencia from DWR; and
- \$61.2 million for South San Francisco Bay Shoreline Phase 1 Project from the San Francisco Bay Restoration Authority.

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

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

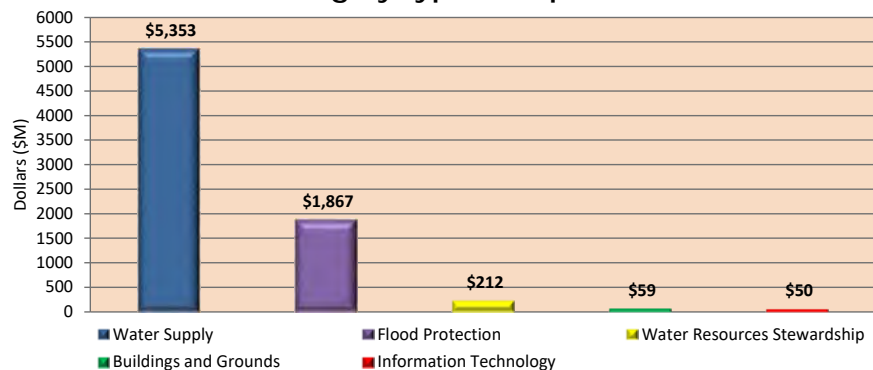
Overview

The estimated total funding required to implement the 67 projects defined in the CIP is \$8.016 billion. Valley Water has been and continues to be successful in leveraging funding for its capital projects through partnerships with federal, state, and local agencies. Of the \$8.016 billion total funding, \$1.283 billion is expected from Valley Water's various partners, such as the U.S. Army Corps of Engineers (USACE), and \$6.733 billion from Valley Water. A list of projects that are funded cooperatively with Valley Water's partners is summarized in Appendix A. Funding from partners for the cooperative capital projects generally come in two ways:

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

Of the \$1.283 billion that is expected from Valley Water's partners, \$807 million is advanced by Valley Water and reimbursed later. This \$807 million is included in the CIP, and increases Valley Water's total funding requirement from \$6.733 billion to \$7.540 billion, to ensure that Valley Water has adequate funding to advance the reimbursement.

CIP Funding by Type of Improvement

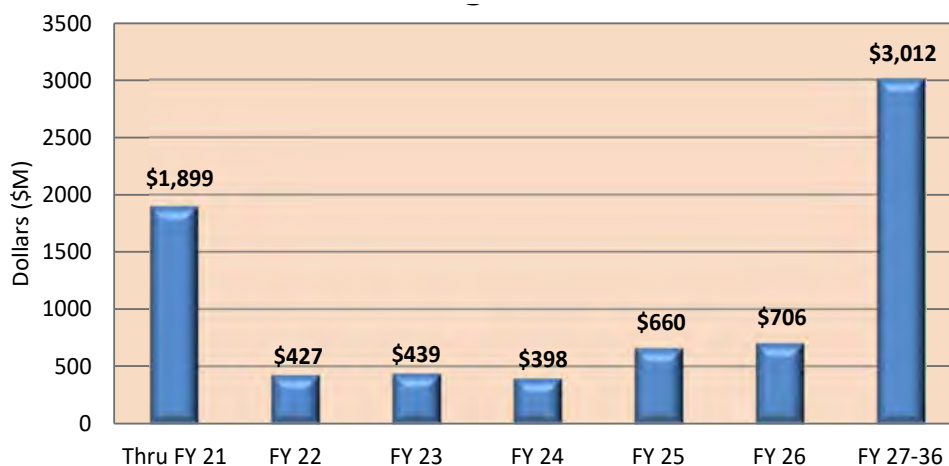


The chart above shows the distribution by type of improvement, of the \$7.540 billion total CIP funding as planned in the FY 2022-26 CIP.

The chart above shows how the \$7.540 billion to implement the 67 projects is allocated to each of the five types of improvements.

Of the \$7.540 billion in total funding for the 67 projects identified in the CIP, the Board has appropriated \$1.899 billion in prior years (through June 30, 2021, the end of fiscal year 2020-21). This year's CIP process identified additional funding needs of \$5.642 billion to complete the projects in the CIP, with \$427 million allocated in fiscal year 2021-22 and a total of \$5.215 billion proposed for future years. The table shown on page I-8 breaks down the fiscal year total by the five types of improvement and by applicable funding sources.

CIP Funding Schedule



The chart above shows how the \$7.540 billion is distributed by fiscal year.

Overview

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

| | Through FY20 | FY21 | FY21 Unspent | FY22 | FY23 | FY24 | FY25 | FY26 | FY27-36 | TOTAL |
|--|------------------|------------------|-----------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| WATER SUPPLY | | | | | | | | | | |
| Water Utility Enterprise Fund | 595,022 | 155,754 | 30,536 | 251,030 | 266,949 | 218,992 | 559,034 | 617,738 | 2,659,583 | 5,324,102 |
| Safe, Clean Water and Natural Flood Protection Fund | 19,059 | 634 | 4 | 1,832 | 27 | 2,427 | 2,492 | 2,576 | 91 | 29,138 |
| Water Supply Total | 614,081 | 156,388 | 30,540 | 252,862 | 266,976 | 221,419 | 561,526 | 620,314 | 2,659,674 | 5,353,240 |
| FLOOD PROTECTION | | | | | | | | | | |
| Watershed Stream Stewardship Fund | 373,614 | 72,394 | 25,453 | 50,871 | 24,241 | 74,289 | 45,335 | 43,338 | 186,977 | 871,059 |
| Safe, Clean Water and Natural Flood Protection Fund | 539,074 | 64,105 | 33,565 | 94,505 | 106,106 | 57,092 | 38,250 | 20,096 | 76,395 | 995,623 |
| Flood Protection Total | 912,688 | 136,499 | 59,018 | 145,376 | 130,347 | 131,381 | 83,585 | 63,434 | 263,372 | 1,866,682 |
| WATER RESOURCES STEWARDSHIP | | | | | | | | | | |
| Water Utility Enterprise Fund | 765 | - | - | - | 3,876 | 5,008 | 2,428 | 11,680 | 30,926 | 54,683 |
| Watershed Stream Stewardship Fund | 25,106 | 1,205 | 1 | 585 | 2,024 | 4,264 | 3,647 | 3,637 | 21,124 | 61,592 |
| Safe, Clean Water and Natural Flood Protection Fund | 18,034 | 1,882 | 1,301 | 20,639 | 26,131 | 20,865 | 993 | 31 | 6,725 | 95,300 |
| Mitigation Total | 43,905 | 3,087 | 1,302 | 21,224 | 32,031 | 30,137 | 7,068 | 15,348 | 58,775 | 211,575 |
| BUILDINGS AND GROUNDS | | | | | | | | | | |
| General Fund | 20 | 3,016 | 1 | 6,089 | 6,075 | 10,544 | 6,385 | 6,492 | 20,000 | 58,621 |
| Buildings and Grounds Total | 20 | 3,016 | 1 | 6,089 | 6,075 | 10,544 | 6,385 | 6,492 | 20,000 | 58,621 |
| INFORMATION TECHNOLOGY | | | | | | | | | | |
| Water Utility Enterprise Fund | 2,908 | - | - | 89 | 1,391 | 2,803 | 798 | 287 | 3,280 | 11,556 |
| Information Technology Fund | 22,654 | 3,335 | 1,678 | 1,257 | 2,255 | 1,248 | 405 | 504 | 6,779 | 38,437 |
| Information Technology Total | 25,562 | 3,335 | 1,678 | 1,346 | 3,646 | 4,051 | 1,203 | 791 | 10,059 | 49,993 |
| TOTAL | 1,596,256 | 302,325 | 92,539 | 426,897 | 439,075 | 397,532 | 659,767 | 706,379 | 3,011,880 | 7,540,111 |
| CUMULATIVE TOTAL | 1,596,256 | 1,898,581 | | 2,325,478 | 2,764,553 | 3,162,085 | 3,821,852 | 4,528,231 | 7,540,111 | |

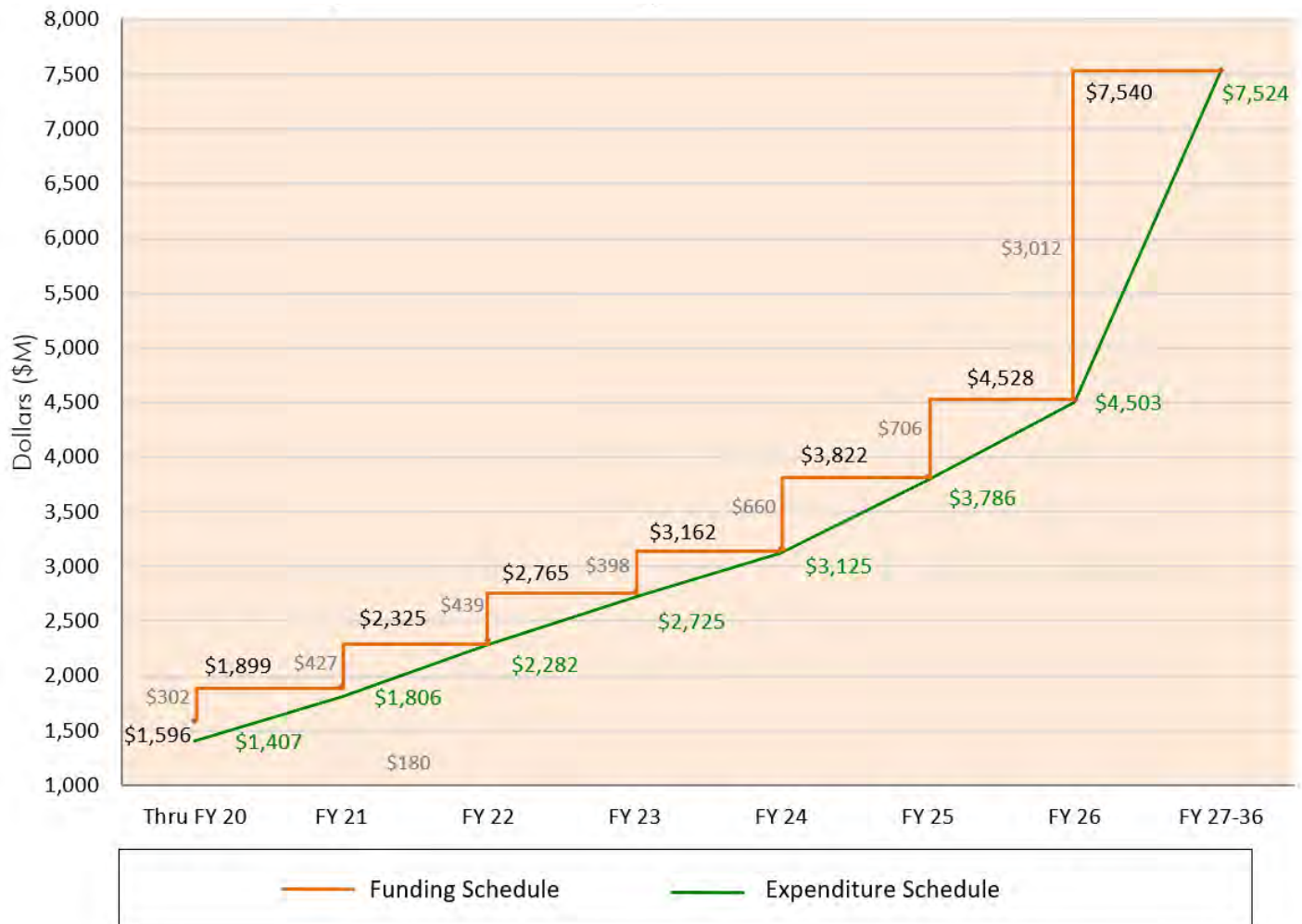
 FY 2020-21 Funds to be reappropriated

Overview

As shown in the table, CIP Funding Schedule by Type of Improvement and Funding Sources (on the previous page): approximately \$93 million of the already appropriated \$1.899 billion is not spent and is reappropriated to FY 2021-22 for continued use

in those same projects in amounts consistent with the project expenditure schedule for FY 2021-22. The following chart explains the relationship between the CIP funding schedule and expenditure schedule.

CIP Funding Schedule vs. CIP Expenditure Schedule



Water Supply

Water Supply Capital Improvements

WATER SUPPLY OVERVIEW

Valley Water manages and operates a complex and integrated water supply infrastructure, including storage, transmission, treatment, and recycled water facilities, to meet the Board's Ends Policy E-2, "There is a reliable, clean water supply for current and future generations."

Storage Facilities

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

Transmission Facilities

- 142 miles of pipelines
- 3 pump stations

Treatment Facilities

- 3 treatment plants

Recycled Water Facilities

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

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

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

The Rinconada Water Treatment Plant (RWTP) was built in the late 1960s and is reaching the end of its useful life. A number of projects to upgrade and

improve operations have been completed. The RWTP Reliability Improvement Project will add raw water ozonation, construct new flocculation and plate settler clarification, and dual media filtration facilities. It will also increase plant capacity from 80 to 100 million gallons per day. Construction of this Project began in the summer of 2015. After completion of Phase 1 and 2 in the summer of 2020, work on Phases 3 through 6 will commence following an evaluation of the best approach.

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

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

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

Water Supply Capital Improvements

Commission to implement interim risk reduction measures, including the Anderson Dam Tunnel Project to construct a diversion to augment the existing outlet.

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

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

Valley Water is partnering with Pacheco Pass Water District and San Benito County Water District for the Pacheco Reservoir Expansion Project. This Project will encompass the acquisition and expansion of this reservoir from 6,000 AF to 140,000 AF and will provide water quality benefits, operational flexibility, emergency storage, flood protection, and ecosystem benefits. On July 24, 2018, the California Water Commission awarded \$484.55 million to support the project, including an early funding award of \$24.2 million.

Major Capital Improvements Identified in the CIP:

Storage:

- Almaden Dam Improvements
- Anderson Dam Seismic Retrofit
- Calero Dam Seismic Retrofit
- Guadalupe Dam Seismic Retrofit
- Pacheco Reservoir Expansion

- Dam Seismic Stability Evaluation
- Coyote Pumping Plant ASD Replacement
- Coyote Warehouse
- Small Capital Improvements, San Felipe Reaches 1-3

Transmission:

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

Treatment:

- PWTWP Residuals Management
- RWTP Residuals Remediation
- RWTP Reliability Improvement
- RWTP Treated Water Valves Upgrade
- STWTP Filter Media Replacement
- Water Treatment Plant Electrical Improvement
- Small Capital Improvements, Water Treatment
- WTP Implementation Project

Recycled Water:

- Expedited Purified Water Program
- South County Recycled Water Pipeline
- Land Rights - South County Recycled Water Pipeline

Water Supply Capital Improvements

CIP PLANNING PROCESS AND FINANCIAL ANALYSIS

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

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

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

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

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

In June 2014 Valley Water commissioned a scientific study of its groundwater benefit zones. Based on a comprehensive evaluation of geological studies, local groundwater data, and the services Valley Water provides, staff proposed partitioning the South County zone into three zones to better reflect services and benefits received by well users. These adjustments ensure that ratepayers are grouped in a way that reflects the most recent and relevant data regarding the services and benefits received by well users.

On October 8, 2019 the Board directed staff to pursue modifying the existing groundwater benefit zones W-2 and W-5, and to create two new zones W-7 (Coyote Valley) and W-8 (below Uvas and Chesbro Reservoirs).

On April 28, 2020, the Board adopted resolutions modifying the boundaries of the existing groundwater benefit zones W-2 and W-5 and establishing new boundaries for groundwater benefit zones W-7 and W-8 that went into effect July 1, 2020.

The financial analysis of the Water Utility Enterprise Fund, the funding source for the water supply capital improvements, is conducted in conjunction with the groundwater production charge process. After reviewing a number of scenarios staff proposed changes in the municipal and industrial (M&I) groundwater production charges with increases of up to 9.6% in North County Zone W-2 and 10.3% in South County Zone W-7, and an increase of no more than 4.6% for the South County Zone W-5 and 4.4% for the South County Zone W-8 in FY 2021-22.

Water Supply Capital Improvements

Significant Project Updates From Prior Year

Listed below are the changes to projects from the FY 2021-25 Adopted CIP:

- The Pacheco Reservoir Expansion Project increased in cost by \$1.174 billion due to findings by geotechnical investigations, leading to more extensive work required than previously presumed and increased construction phase cost estimates.
- The Anderson Dam Seismic Retrofit Project increased in cost by \$102.9 million primarily due to the new Federal Energy Regulatory Commission (FERC) projects now included in the Anderson Dam Project scope and schedule.
- The Expedited Purified Water Program decreased in cost by \$85.9 million due to revised project delivery schedule. The construction schedule will begin two years sooner than previously planned, the design phase decreased by two years and the construction duration period reduced by half. This program is planned to be delivered via a Public-Private Partnership (P3).
- The Penitencia Water Treatment Plant Residuals Management Project increased in cost by \$34.5 million due to revised scope and increased construction cost estimates based on recent projects with similar scope and complexity.
- The 10-Year Pipeline Inspection and Rehabilitation Project increased in cost by \$31.9 million due to the scope of individual projects within the program have

expanded to incorporate more extensive repairs, upgrades, and replacements.

- The Rinconada Water Treatment Plant Reliability Improvement Project increased in cost by \$19.3 million due to new projections for additional design and the construction of Phases 3-6 after the closeout of Phases 1 and 2 construction.
- The Small Capital Improvements, San Felipe Reaches 1-3 Project increased in cost by \$35.8 million due to the addition of the replacement of large pumps and motors at the Pacheco Pumping Plant beginning in FY28 as they are reaching the end of their useful life.

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

Valley Water is currently engaged in several critical studies related to understanding the conditions of various water supply facilities and meeting future water supply needs of the county. This effort included updating the Water Supply Master Plan (WSMP), which was approved by the Board on November 20, 2019.



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 2020-21.

Water Supply Capital Improvements

| Project Number | PROJECT NAME | Through FY20 | FY21 | FY21 Unspent | FY22 | FY23 | FY24 | FY25 | FY26 | FY27-36 | TOTAL |
|--------------------------------|--|----------------|----------------|---------------|----------------|----------------|----------------|----------------|----------------|------------------|------------------|
| STORAGE FACILITY | | | | | | | | | | | |
| 91854001 | Almaden Dam Improvements | 14,604 | 168 | 346 | - | - | - | 103 | 125 | 51,007 | 66,007 |
| 91864005 | Anderson Dam Seismic Retrofit (C1) | 62,940 | 36,135 | - | 130,833 | 75,085 | 70,155 | 52,340 | 47,088 | 174,169 | 648,745 |
| 91084020s | Calero and Guadalupe Dams Seismic Retrofits | 32,015 | 2,900 | 1,840 | 2,080 | 465 | 114 | 13,163 | 26,249 | 184,927 | 261,913 |
| 91234002 | Coyote Pumping Plant ASD Replacement | 2,260 | 2,117 | 2,000 | - | 6,340 | 4,123 | 646 | 81 | - | 15,567 |
| 91234011 | Coyote Warehouse | 9,360 | 284 | - | 73 | 66 | - | - | - | - | 9,783 |
| 91084019 | Dam Seismic Stability Evaluation | 22,236 | 352 | 353 | 65 | 437 | 456 | 5,903 | 436 | 1,430 | 31,315 |
| 91954002 | Pacheco Reservoir Expansion Project | 52,366 | 27,919 | 136 | 30,918 | 45,103 | 48,627 | 235,788 | 304,583 | 1,774,317 | 2,519,621 |
| 91214010s | Small Capital Improvements, San Felipe Reach 1-3 | n/a | 5,724 | - | 2,917 | 1,522 | 153 | 1,041 | 112 | 68,491 | 79,960 |
| TRANSMISSION FACILITY | | | | | | | | | | | |
| 95084002 | 10-Year Pipeline Rehabilitation (FY18-FY27) | 55,239 | 16,995 | 4,636 | 16,243 | 25,134 | 11,457 | 12,171 | 1,756 | 2,110 | 141,105 |
| 92304001 | Almaden Valley Pipeline Replacement Project | - | 668 | - | 828 | 1,253 | 2,465 | 1,893 | 2,396 | 80,527 | 90,030 |
| 95044001 | Distribution Systems Implementation Project | - | 2,383 | 383 | 2,858 | 2,668 | - | - | - | - | 7,909 |
| 92C40357 | FAHCE Implementation | - | - | - | - | 4,739 | 4,379 | 14,691 | 14,690 | 106,609 | 145,108 |
| 26764001 | IRP2 Additional Line Valves (A3) | 1,489 | 634 | 2 | 1,832 | 27 | 2,427 | 2,492 | 2,576 | 91 | 11,568 |
| 26564001 | Main & Madrone Pipelines Restoration (A1) | 17,570 | - | 2 | - | - | - | - | - | - | 17,570 |
| 92144001 | Pacheco/Santa Clara Conduit Right of Way Acquisition | 2,827 | 507 | 5 | 1,662 | 306 | - | - | - | - | 5,302 |
| 95044002 | SCADA Implementation Project | - | 1,365 | - | 2,387 | 2,728 | - | - | - | - | 6,480 |
| 92764009 | Small Capital Improvements, Raw Water Transmission | n/a | 82 | - | 169 | 17 | 382 | 6,722 | 272 | 4,248 | 11,892 |
| 94764006 | Small Capital Improvements, Treated Water Transmission | n/a | - | - | 36 | 39 | 30 | 119 | 52 | 255 | 531 |
| 94084007 | Treated Water Isolation Valves | 1,271 | - | 1,245 | - | - | 2,330 | - | 2,439 | 2,642 | 8,682 |
| 92264001 | Vasona Pump Station Upgrade | 1,905 | 1,218 | - | 717 | 19,159 | 545 | 200 | - | - | 23,744 |
| 94084008 | Westside Retailer Interties | 147 | - | - | - | - | - | - | - | - | 147 |
| TREATMENT FACILITY | | | | | | | | | | | |
| 93234044 | PWTP Residuals Management | - | 683 | - | 1,987 | 1,510 | 1,625 | 10,096 | 18,782 | 9,572 | 44,255 |
| 93294051s | RWTP Residuals Remediation | 46,205 | 10,315 | 17,098 | 5,316 | 8,791 | 633 | - | - | - | 71,260 |
| 93294057 | RWTP Reliability Improvement | 220,363 | 31,506 | 221 | 20,620 | 21,901 | 24,570 | 22,700 | 17,660 | - | 359,320 |
| 93294056 | RWTP Treated Water Valves Upgrade | 8,624 | - | 5 | 6 | - | - | - | - | - | 8,630 |
| 93764004 | Small Capital Improvements, Water Treatment | - | 10,285 | - | 7,503 | 1,415 | 5,382 | 3,170 | 3,370 | 23,152 | 54,277 |
| 93284013 | STWTP Filter Media Replacement Project | 203 | 445 | 1 | 2,812 | 4,912 | 1,728 | - | - | - | 10,100 |
| 93084004 | Water Treatment Plant Electrical Improvement Project | 203 | 446 | - | 879 | 2,488 | 5,851 | 2,049 | - | - | 11,916 |
| 93044001 | WTP Implementation Project | - | 1,394 | - | 3,322 | 3,418 | - | - | - | - | 8,134 |
| RECYCLED WATER FACILITY | | | | | | | | | | | |
| 91304001s | Expedited Purified Water Program (EPWP) | 25,697 | 1,412 | 1,786 | 1,140 | 29,151 | 30,382 | 176,239 | 177,647 | 176,127 | 617,795 |
| 91094001 | Land Rights - South County Recycled Water PL | - | 203 | 203 | 345 | 3,407 | 3,605 | - | - | - | 7,560 |
| 91094007s | South County Recycled Water Pipeline | 36,557 | 248 | 278 | 15,314 | 4,895 | - | - | - | - | 57,014 |
| TOTAL | | 614,081 | 156,388 | 30,540 | 252,862 | 266,976 | 221,419 | 561,526 | 620,314 | 2,659,674 | 5,353,240 |


FY 2020-21 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 Source (\$K)

| Fund Number | FUND NAME | Through FY20 | FY21 | FY21 Unspent | FY22 | FY23 | FY24 | FY25 | FY26 | FY27-36 | TOTAL |
|--------------|---|--------------|---------|--------------|---------|---------|---------|---------|---------|-----------|-----------|
| 61 | Water Utility Enterprise Fund | 595,022 | 155,754 | 30,536 | 251,030 | 266,949 | 218,992 | 559,034 | 617,738 | 2,659,583 | 5,324,102 |
| 26 | Safe, Clean Water and Natural Flood Protection Fund | 19,059 | 634 | 4 | 1,832 | 27 | 2,427 | 2,492 | 2,576 | 91 | 29,138 |
| TOTAL | | 614,081 | 156,388 | 30,540 | 252,862 | 266,976 | 221,419 | 561,526 | 620,314 | 2,659,674 | 5,353,240 |

 FY 2020-21 Funds to be reappropriated

Storage Facilities



| | |
|--------------------|---|
| Project | Almaden Dam Improvements |
| Program | Water Supply – Storage |
| Project No. | 91854001 |
| Contact | Christopher Hakes chakes@valleywater.org |



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

PROJECT DESCRIPTION

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

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

PROJECT LOCATION



SCHEDULE & STATUS

July 1995 to June 2031

| Phase | Cost | FY 21 | FY 22 | FY 23 | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 |
|-----------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Plan | 5,099 | | | | | | | | | | | |
| Design | 5,232 | | | | | | | | | | | |
| Construct | 37,633 | | | | | | | | | | | |
| Closeout | 4 | | | | | | | | | | | |
| | 53,608 | | | | | | | | | | | |

EXPENDITURE SCHEDULE

(in thousands \$)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|-----------------------------------|--------------|----------------------|------|------|------|------|------|--------|--------|
| Project | FY20 | FY21 | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 91854001-Almaden Dam Improvements | 13,964 | 462 | 100 | 100 | 100 | 102 | 100 | 38,680 | 53,608 |
| with inflation | 13,964 | 462 | 105 | 109 | 114 | 122 | 125 | 51,007 | 66,007 |

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands \$)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|-----------------------------------|-------------|-------------|--------------|--------------------------|------|------|------|------|--------|--------|
| Project | FY20 | FY21 | | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 91854001-Almaden Dam Improvements | 14,604 | 168 | 346 | 0 | 0 | 0 | 103 | 125 | 51,007 | 66,007 |

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands \$)

| | |
|-------------------------------------|---------------|
| SCVWD Water Utility Enterprise Fund | 66,007 |
| Other Funding Source | 0 |
| Total | 66,007 |

OPERATING COST IMPACTS

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

USEFUL LIFE: 50+ Years

| | |
|--------------------|---|
| Project | Anderson Dam Seismic Retrofit |
| Program | Water Supply – Storage |
| Project No. | 91864005 |
| Contact | Christopher Hakes chakes@valleywater.org |



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

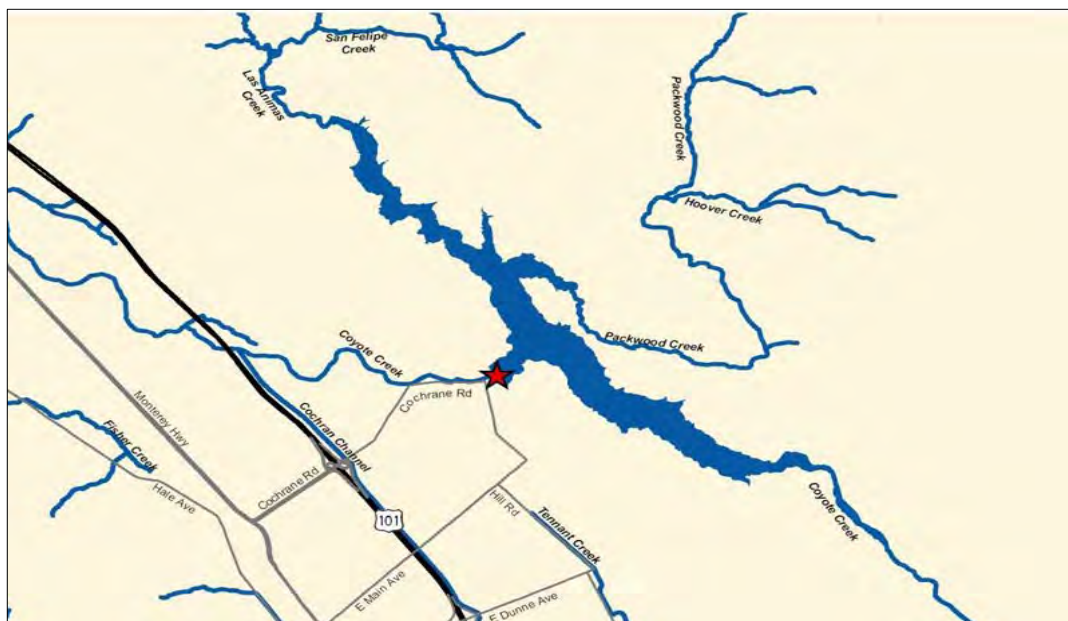
PROJECT DESCRIPTION

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

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

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

PROJECT LOCATION



★ Project Location

SCHEDULE & STATUS

January 2011 to December 2033

| Phase | Cost | FY 21 | FY 22 | FY 23 | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 |
|-----------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Plan | 21,380 | | | | | | | | | | | |
| Design | 88,103 | | | | | | | | | | | |
| Construct | 495,698 | | | | | | | | | | | |
| Closeout | 1,100 | | | | | | | | | | | |
| | 616,408 | | | | | | | | | | | |

EXPENDITURE SCHEDULE

(in thousands \$)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|--|--------------|----------------------|---------|--------|--------|--------|--------|---------|---------|
| Project | FY20 | FY21 | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 91864005-Anderson Dam Seismic Retrofit | 63,056 | 35,869 | 126,415 | 71,910 | 66,690 | 49,130 | 43,858 | 159,480 | 616,408 |
| with inflation | 63,056 | 36,019 | 130,833 | 75,085 | 70,155 | 52,340 | 47,088 | 174,170 | 648,747 |

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands \$)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|--|-------------|-------------|--------------|--------------------------|--------|--------|--------|--------|---------|---------|
| Project | FY20 | FY21 | | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 91864005-Anderson Dam Seismic Retrofit | 62,940 | 36,135 | 0 | 130,833 | 75,085 | 70,155 | 52,340 | 47,088 | 174,170 | 648,747 |

Adjusted Budget includes adopted budget plus any planned budget adjustments.

FUNDING SOURCES

(in thousands \$)

| | |
|-------------------------------------|----------------|
| SCVWD Water Utility Enterprise Fund | 580,694 |
| SCVWD Safe Clean Water Fund | 68,053 |
| Other Funding Sources | 0 |
| Total | 648,747 |

OPERATING COST IMPACTS

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

USEFUL LIFE: 50+ Years

Project Calero and Guadalupe Dams Seismic Retrofits

Program Water Supply - Storage

Project No. 91084020 & 91894002

Contact Christopher Hakes chakes@valleywater.org



Aerial view of the Calero Dam and reservoir



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

PROJECT DESCRIPTION

Project 91084020: This project performs planning (engineering and environmental) for the Calero and Guadalupe Dams.

Project 91894002: This project designs and constructs improvements to Guadalupe Dam.

The projects will accomplish the following objectives:

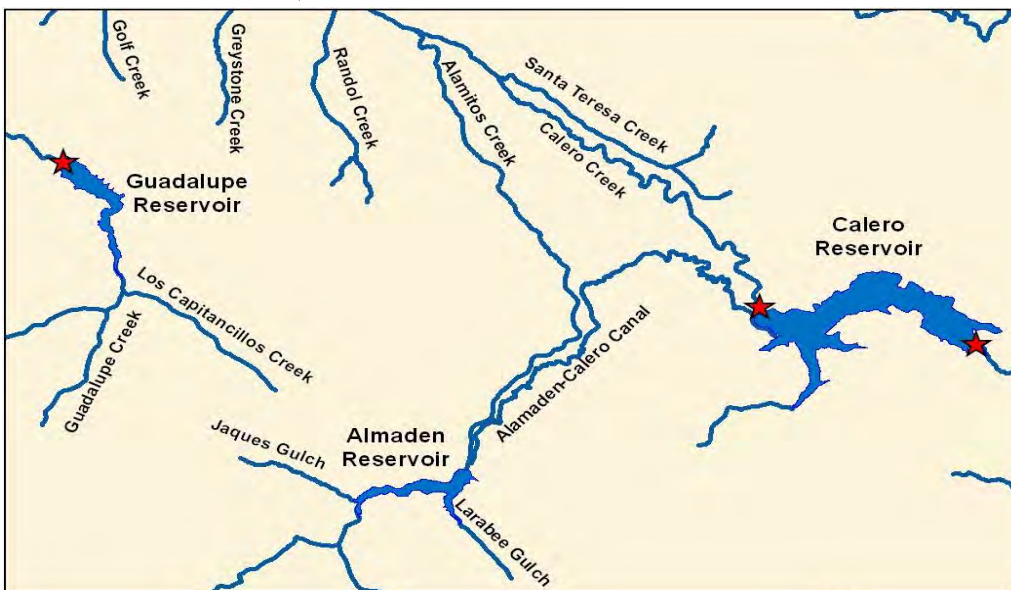
Calero Dam

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

Guadalupe Dam

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

PROJECT LOCATION



★ Project Location

SCHEDULE & STATUS

July 2012 to January 2028

| Phase | Cost | FY 21 | FY 22 | FY 23 | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 |
|-----------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Plan | 11,264 | | | | | | | | | | | |
| Design | 9,053 | | | | | | | | | | | |
| Construct | 63,257 | | | | | | | | | | | |
| Closeout | 72 | | | | | | | | | | | |
| | 87,667 | | | | | | | | | | | |

EXPENDITURE SCHEDULE

(in thousands \$)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|---|---------------|----------------------|--------------|------------|------------|---------------|---------------|---------------|---------------|
| Project | FY20 | FY21 | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 91084020 - Calero and Guadalupe Dams Seismic Retrofits-Planning | 9,094 | 1,946 | 1,990 | 340 | 0 | 0 | 0 | 0 | 13,370 |
| with inflation | 9,094 | 1,946 | 2,080 | 371 | 0 | 0 | 0 | 0 | 13,491 |
| 91894002 - Guadalupe Dam Seismic Retrofit-Design & Construct | 9,600 | 241 | 834 | 100 | 100 | 11,600 | 23,000 | 28,822 | 74,297 |
| with inflation | 9,600 | 241 | 872 | 109 | 114 | 13,163 | 26,249 | 33,164 | 83,512 |
| TOTAL | 18,694 | 2,187 | 2,824 | 440 | 100 | 11,600 | 23,000 | 28,822 | 87,667 |
| with inflation | 18,694 | 2,187 | 2,951 | 480 | 114 | 13,163 | 26,249 | 33,164 | 97,003 |

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands \$)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|---|-------------|-------------|--------------|--------------------------|------|------|--------|--------|--------|--------|
| Project | FY20 | FY21 | | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 91084020 - Calero and Guadalupe Dams Seismic Retrofits-Planning | 9,476 | 1,564 | 0 | 2,080 | 371 | 0 | 0 | 0 | 0 | 13,491 |
| 91894002 - Guadalupe Dam Seismic Retrofit-Design & Construct | 10,257 | 471 | 887 | 0 | 94 | 114 | 13,163 | 26,249 | 33,164 | 83,512 |
| TOTAL | 19,733 | 2,035 | 887 | 2,080 | 465 | 114 | 13,163 | 26,249 | 33,164 | 97,003 |

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands \$)

| | |
|-------------------------------------|---------------|
| SCVWD Water Utility Enterprise Fund | 97,003 |
| Other Funding Source | 0 |
| Total | 97,003 |

OPERATING COST IMPACTS

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

USEFUL LIFE: 50+ Years

| | |
|--------------------|--|
| Project | Calero Dam Seismic Retrofit-Design & Construction |
| Program | Water Supply – Storage |
| Project No. | 91874004 |
| Contact | Christopher Hakes chakes@valleywater.org |



Aerial view of the Calero Dam and reservoir

PROJECT DESCRIPTION

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

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

PROJECT LOCATION



★ Project Location

SCHEDULE & STATUS

January 2015 to June 2035

| Phase | Cost | FY 21 | FY 22 | FY 23 | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 |
|-----------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Plan | 8 | | | | | | | | | | | |
| Design | 13,177 | | | | | | | | | | | |
| Construct | 103,502 | | | | | | | | | | | |
| Closeout | 8 | | | | | | | | | | | |
| | 118,572 | | | | | | | | | | | |

EXPENDITURE SCHEDULE

(in thousands \$)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|---|-----------------|----------------------|------|------|------|------|------|---------|---------|
| Project | FY20 | FY21 | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 91874004 - Calero Dam Seismic Retrofit-Design & Construct | 11,894 | 300 | 200 | 100 | 80 | 30 | 30 | 105,938 | 118,572 |
| with inflation | 11,894 | 300 | 209 | 109 | 91 | 36 | 37 | 151,763 | 164,439 |

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands \$)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|---|-------------|-------------|--------------|--------------------------|------|------|------|------|---------|---------|
| Project | FY20 | FY21 | | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 91874004 - Calero Dam Seismic Retrofit-Design & Construct | 12,282 | 865 | 953 | 0 | 0 | 0 | 0 | 0 | 151,292 | 164,439 |

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands \$)

| | |
|-------------------------------------|----------------|
| SCVWD Water Utility Enterprise Fund | 164,439 |
| Other Funding Source | 0 |
| Total | 164,439 |

OPERATING COST IMPACTS

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

USEFUL LIFE: 50+ Years

| | |
|--------------------|---|
| Project | Coyote Pumping Plant ASD Replacement |
| Program | Water Supply – Storage |
| Project No. | 91234002 |
| Contact | Heath McMahon hcmahon@valleywater.org |



ASD motors at the Coyote Pumping Plant

PROJECT DESCRIPTION

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

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

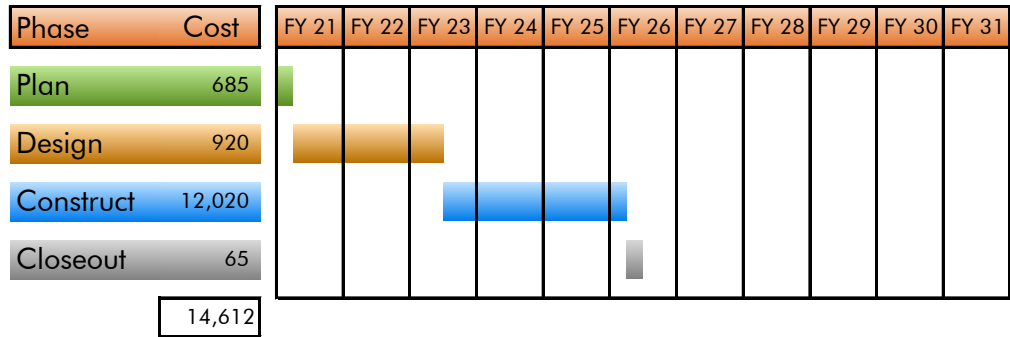
PROJECT LOCATION



★ Project Location

SCHEDULE & STATUS

July 2017 to November 2025



EXPENDITURE SCHEDULE

(in thousands \$)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|---|-----------------|----------------------|-------|-------|-------|------|------|--------|--------|
| Project | FY20 | FY21 | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 91234002-Coyote Pumping Plant ASD Replacement | 1,550 | 827 | 1,558 | 6,307 | 3,735 | 570 | 65 | 0 | 14,612 |
| with inflation | 1,550 | 827 | 1,611 | 6,729 | 4,123 | 646 | 81 | 0 | 15,567 |

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands \$)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|---|-------------|-------------|--------------|--------------------------|-------|-------|------|------|--------|--------|
| Project | FY20 | FY21 | | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 91234002-Coyote Pumping Plant ASD Replacement | 2,260 | 2,117 | 2,000 | 0 | 6,340 | 4,123 | 646 | 81 | 0 | 15,567 |

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands \$)

| | |
|-------------------------------------|---------------|
| SCVWD Water Utility Enterprise Fund | 15,567 |
| Other Funding Sources | 0 |
| Total | 15,567 |

OPERATING COST IMPACTS

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

USEFUL LIFE: Not Available

| | |
|--------------------|--|
| Project | Coyote Warehouse |
| Program | Water Supply - Storage |
| Project No. | 91234011 |
| Contact | Heath McMahon hcmahon@valleywater.org |



Storage containers currently used to secure equipment and spare parts

PROJECT DESCRIPTION

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

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

PROJECT LOCATION



★ Project Location

SCHEDULE & STATUS

July 2015 to December 2022

| Phase | Cost | FY 21 | FY 22 | FY 23 | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Plan | 157 | | | | | | | | | | | |
| Design | 781 | | | | | | | | | | | |
| Construct | 6,741 | | | | | | | | | | | |
| Closeout | 60 | | | | | | | | | | | |
| | 9,774 | | | | | | | | | | | |

EXPENDITURE SCHEDULE

(in thousands \$)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|---------------------------|-----------------|----------------------|------|------|------|------|------|--------|-------|
| Project | FY20 | FY21 | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 91234011-Coyote Warehouse | 9,411 | 233 | 70 | 60 | 0 | 0 | 0 | 0 | 9,774 |
| with inflation | 9,411 | 233 | 73 | 66 | 0 | 0 | 0 | 0 | 9,783 |

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands \$)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | Total |
|---------------------------|----------------|----------------|-----------------|--------------------------|------|------|------|--------|-------|
| Project | FY20 | FY21 | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 91234011-Coyote Warehouse | 9,360 | 284 | 0 | 73 | 66 | 0 | 0 | 0 | 9,783 |

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands \$)

| | |
|-------------------------------------|--------------|
| SCVWD Water Utility Enterprise Fund | 9,783 |
| Other Funding Sources | 0 |
| Total | 9,783 |

OPERATING COST IMPACTS

Operating cost impacts will be determined upon completion of the construction phase.

USEFUL LIFE: 50 years

| | |
|--------------------|---|
| Project | Dam Seismic Stability Evaluations |
| Program | Water Supply – Storage |
| Project No. | 91084019 |
| Contact | Christopher Hakes chakes@valleywater.org |



Field exploration for seismic stability evaluations

PROJECT DESCRIPTION

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

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

This project funds preliminary planning activities to determine the need for seismic stability improvements for eight of the nine dams identified on the map below. The evaluations for Almaden, Calero, Guadalupe, Lenihan, and Stevens Creek Dams have been completed as part of this project, while the evaluations for Coyote, Chesbro and Uvas are scheduled to continue through 2026. (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

PROJECT LOCATION



★ Project Location

SCHEDULE & STATUS

August 2009 to June 2029

| Phase | Cost | FY 21 | FY 22 | FY 23 | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 |
|-----------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Plan | 30,401 | | | | | | | | | | | |
| Design | - | | | | | | | | | | | |
| Construct | - | | | | | | | | | | | |
| Closeout | - | | | | | | | | | | | |
| 29,785 | | | | | | | | | | | | |

EXPENDITURE SCHEDULE

(in thousands \$)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|--|--------------|----------------------|------|------|------|-------|------|--------|--------|
| Project | FY20 | FY21 | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 91084019-Dam Seismic Stability Evaluations | 21,808 | 427 | 400 | 400 | 400 | 4,950 | 350 | 1,050 | 29,785 |
| with inflation | 21,808 | 427 | 418 | 437 | 456 | 5,903 | 436 | 1,430 | 31,315 |

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands \$)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|--|-------------|-------------|--------------|--------------------------|------|------|-------|------|--------|--------|
| Project | FY20 | FY21 | | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 91084019-Dam Seismic Stability Evaluations | 22,236 | 352 | 353 | 65 | 437 | 456 | 5,903 | 436 | 1,430 | 31,315 |

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands \$)

| | |
|-------------------------------------|---------------|
| SCVWD Water Utility Enterprise Fund | 31,315 |
| Other Funding Source | 0 |
| Total | 31,315 |

OPERATING COST IMPACTS

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

USEFUL LIFE: 50+ Years

| | |
|--------------------|---|
| Project | Pacheco Reservoir Expansion Project |
| Program | Water Supply – Storage |
| Project No. | 91954002 |
| Contact | Christopher Hakes chakes@valleywater.org |



Aerial view of Pacheco Reservoir

PROJECT DESCRIPTION

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

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

PROJECT LOCATION



★ Project Location

SCHEDULE & STATUS

October 2018 to June 2028

| Phase | Cost | FY 21 | FY 22 | FY 23 | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 |
|-----------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Plan | 49,503 | | | | | | | | | | | |
| Design | 87,501 | | | | | | | | | | | |
| Construct | 2,033,138 | | | | | | | | | | | |
| Closeout | 360 | | | | | | | | | | | |
| | 2,203,320 | | | | | | | | | | | |

EXPENDITURE SCHEDULE

(in thousands \$)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|--|-----------------|----------------------|--------|--------|--------|---------|---------|-----------|-----------|
| Project | FY20 | FY21 | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 91954002-Pacheco Reservoir Expansion Project | 52,370 | 27,779 | 29,717 | 41,302 | 42,612 | 207,294 | 267,957 | 1,534,289 | 2,203,320 |
| with inflation | 52,370 | 27,779 | 31,054 | 45,103 | 48,627 | 235,788 | 304,583 | 1,774,318 | 2,519,623 |

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands \$)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|--|-------------|-------------|--------------|--------------------------|--------|--------|---------|---------|-----------|-----------|
| Project | FY20 | FY21 | | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 91954002-Pacheco Reservoir Expansion Project | 52,366 | 27,919 | 136 | 30,918 | 45,103 | 48,627 | 235,788 | 304,583 | 1,774,318 | 2,519,623 |

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands \$)

| | |
|--|------------------|
| SCVWD Water Utility Enterprise Fund | 1,378,058 |
| California Water Commission | 484,550 |
| SCVWD Safe Clean Water Fund - Measure S | 10,000 |
| Partnership Contributions | 407,015 |
| Other Funding Sources "Unsecured" (WIIN and WIFIA) | 250,000 |
| Total | 2,529,623 |

OPERATING COST IMPACTS

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

USEFUL LIFE: TBD

| | |
|--------------------|---|
| Project | Small Capital Improvements, San Felipe |
| Program | Water Supply – Storage |
| Project No. | 91214010s |
| Contact | Aaron Baker abaker@valleywater.org |



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

PROJECT DESCRIPTION

This project provides resources for the improvement of small capital investments that replace or extend the life of an asset. This project implements a systematic approach to the renewal and replacement of equipment at facilities within the San Felipe Division, by designing and constructing improvements identified through Valley Water's 10-year asset management program. Infrastructure within this project includes tunnels, large diameter pipelines, valve structures, pumps, and associated support equipment. Reach 1 renewal and replacement activities are conducted in coordination and cooperation with San Felipe Division Reach 1 contractors and other agencies. Planned projects for FY21 include:

- ♦ 91214010 Reach 1: Refurbish or rebuild pump 1 motor windings and bearings; replacement of pump 10 discharge guard valve; installation of a fire suppression system; various electrical upgrades.
Other identified work: Pacheco Tunnel Reach 2 entrance door hydraulic valve operating system replacement; domestic water pump system replacement; western area power administration sub-station surge arresters - 6 kilovolt and 72 kilovolt; chilled water pump-1 and chilled water pump-2 standard rebuild and rehabilitation; mechanical & heating, ventilation and air conditioning gallery upgrades; chiller 1 and 2 repair and rehabilitation; adjustable speed drives gallery, Telephone/Modem/T-1 replacement.
- ♦ 91224010 Reach 2: Calaveras Fault Inlet/Calaveras Fault Outlet road access fix (culvert replacements).
- ♦ 91234010 Reach 3: Replace existing end-of-life staff trailers. Purchase and install mezzanine and shelving in new warehouse. Coyote Discharge Line – Replace meter vault instrumentation, overhaul and recoat 2 pumps at Coyote Pumping Plant.
- ♦ All active projects have positive net present value savings at the time of the feasibility study and are subject to design phase validation.

PROJECT LOCATION



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 21 | FY 22 | FY 23 | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 |
|-----------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Plan | n/a | | | | | | | | | | | |
| Design | n/a | | | | | | | | | | | |
| Construct | n/a | | | | | | | | | | | |
| Closeout | n/a | | | | | | | | | | | |
| 58,373 | | | | | | | | | | | | |

EXPENDITURE SCHEDULE

(in thousands \$)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|---|--------------|----------------------|--------------|--------------|------------|--------------|------------|---------------|---------------|
| Project | FY20 | FY21 | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 91214010-Small Capital Improvements, San Felipe Reach 1 | n/a | 3,811 | 1,471 | 1,394 | 89 | 864 | 90 | 44,924 | 52,643 |
| with inflation | n/a | 3,811 | 1,537 | 1,522 | 102 | 1,030 | 112 | 65,284 | 73,398 |
| 91224010-Small Capital Improvements, San Felipe Reach 2 | n/a | 859 | 10 | 0 | 0 | 0 | 0 | 10 | 879 |
| with inflation | n/a | 859 | 10 | 0 | 0 | 0 | 0 | 12 | 881 |
| 91234010-Small Capital Improvements, San Felipe Reach 3 | n/a | 1,054 | 1,311 | 0 | 45 | 9 | 0 | 2,432 | 4,851 |
| with inflation | n/a | 1,054 | 1,370 | 0 | 51 | 11 | 0 | 3,195 | 5,681 |
| TOTAL | 0 | 5,724 | 2,792 | 1,394 | 134 | 873 | 90 | 47,366 | 58,373 |
| with inflation | 0 | 5,724 | 2,917 | 1,522 | 153 | 1,041 | 112 | 68,490 | 79,960 |

FUNDING SCHEDULE

(in thousands \$)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|---|-------------|--------------|--------------|--------------------------|--------------|------------|--------------|------------|---------------|---------------|
| Project | FY20 | FY21 | | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 91214010-Small Capital Improvements, San Felipe Reach 1 | n/a | 3,811 | 0 | 1,537 | 1,522 | 102 | 1,030 | 112 | 65,284 | 73,398 |
| 91224010-Small Capital Improvements, San Felipe Reach 2 | n/a | 859 | 0 | 10 | 0 | 0 | 0 | 0 | 12 | 881 |
| 91234010-Small Capital Improvements, San Felipe Reach 3 | n/a | 1,054 | 0 | 1,370 | 0 | 51 | 11 | 0 | 3,195 | 5,681 |
| TOTAL | 0 | 5,724 | 0 | 2,917 | 1,522 | 153 | 1,041 | 112 | 68,490 | 79,960 |

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 | 61,003 |
| San Benito County Water District | 18,958 |
| Total | 79,960 |

OPERATING COST IMPACTS

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

USEFUL LIFE: Not Available

Transmission Facilities



| | |
|--------------------|---|
| Project | 10-Year Pipeline Inspection & Rehabilitation |
| Program | Water Supply – Transmission |
| Project No. | 95084002 |
| Contact | Heath McMahon hcmahon@valleywater.org |



A typical rehabilitated line valve assembly

PROJECT DESCRIPTION

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

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

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

- ♦ 2021: Central Pipeline; Parallel East Pipeline; Santa Clara Conduit Phase I, Santa Clara Tunnel
- ♦ 2022: Santa Clara Conduit Phase II, Almaden Valley Pipeline
- ♦ 2023: Snell Pipeline Phase I
- ♦ 2024: West Pipeline Phase I
- ♦ 2025: West Pipeline Phase II

PROJECT LOCATION



 Project Location

SCHEDULE & STATUS

July 2017 to June 2027

| Phase | Cost | FY 21 | FY 22 | FY 23 | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 |
|-----------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Plan | 799 | | | | | | | | | | | |
| Design | 15,434 | | | | | | | | | | | |
| Construct | 107,704 | | | | | | | | | | | |
| Closeout | 671 | | | | | | | | | | | |
| | 135,296 | | | | | | | | | | | |

EXPENDITURE SCHEDULE

(in thousands \$)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|---|-----------------|----------------------|--------|--------|--------|--------|-------|--------|---------|
| Project | FY20 | FY21 | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 95084002-10-Year Pipeline Inspection & Rehabilitation | 48,714 | 18,884 | 20,132 | 23,517 | 10,252 | 10,768 | 1,409 | 1,620 | 135,296 |
| with inflation | 48,714 | 18,884 | 20,879 | 25,134 | 11,457 | 12,171 | 1,756 | 2,110 | 141,104 |

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands \$)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | Total |
|---|----------------|----------------|-----------------|--------------------------|--------|--------|--------|--------|---------|
| Project | FY20 | FY21 | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 95084002-10-Year Pipeline Inspection & Rehabilitation | 55,239 | 16,995 | 4,636 | 16,243 | 25,134 | 11,457 | 12,171 | 1,756 | 141,104 |

Adjusted Budget includes adopted budget plus any planned budget adjustment.

FUNDING SOURCES

(in thousands \$)

| | |
|-------------------------------------|----------------|
| SCVWD Water Utility Enterprise Fund | 141,104 |
| Other Funding Sources | 0 |
| Total | 141,104 |

OPERATING COST IMPACTS

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

USEFUL LIFE: 50+ Years

| | |
|--------------------|--|
| Project | Almaden Valley Pipeline Replacement |
| Program | Water Supply - Transmission |
| Project No. | 92304001 |
| Contact | Heath McMahon hcmahon@valleywater.org |



Almaden Valley Pipeline Replacement work is underway

PROJECT DESCRIPTION

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

PROJECT LOCATION



 Project Location

SCHEDULE & STATUS

July 2019 to June 2040

| Phase | Cost | FY 21 | FY 22 | FY 23 | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 |
|-----------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Plan | 8,366 | | | | | | | | | | | |
| Design | 11,219 | | | | | | | | | | | |
| Construct | 44,443 | | | | | | | | | | | |
| Closeout | - | | | | | | | | | | | |
| 64,028 | | | | | | | | | | | | |

EXPENDITURE SCHEDULE

(in thousands \$)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|--|-----------------|----------------------|------|-------|-------|-------|-------|--------|--------|
| Project | FY20 | FY21 | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 92304001-Almaden Valley Pipeline Replacement | 0 | 668 | 792 | 1,147 | 2,160 | 1,587 | 1,923 | 55,751 | 64,028 |
| with inflation | 0 | 668 | 828 | 1,253 | 2,465 | 1,893 | 2,396 | 80,525 | 90,027 |

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands \$)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|--|-------------|-------------|--------------|--------------------------|-------|-------|-------|-------|--------|--------|
| Project | FY20 | FY21 | | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 92304001-Almaden Valley Pipeline Replacement | 0 | 668 | 0 | 828 | 1,253 | 2,465 | 1,893 | 2,396 | 80,525 | 90,027 |

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands \$)

| | |
|-------------------------------------|---------------|
| SCVWD Water Utility Enterprise Fund | 90,027 |
| Other Funding Sources | 0 |
| Total | 90,027 |

OPERATING COST IMPACTS

Operating cost impacts will be determined during the design phase.

USEFUL LIFE: 50+ Years

| | |
|--------------------|---|
| Project | Distribution System Implementation Project |
| Program | Water Supply - Transmission |
| Project No. | 95044001 |
| Contact | Vincent Gin vgin@valleywater.org |



Distribution System Implementation Plan

PROJECT DESCRIPTION

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

PROJECT LOCATION



Project Location

SCHEDULE & STATUS

July 2020 to June 2023

| Phase | Cost | FY 21 | FY 22 | FY 23 | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Plan | 7,179 | | | | | | | | | | | |
| Design | 365 | | | | | | | | | | | |
| Construct | - | | | | | | | | | | | |
| Closeout | - | | | | | | | | | | | |
| | 7,544 | | | | | | | | | | | |

EXPENDITURE SCHEDULE

(in thousands \$)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|---|--------------|----------------------|-------|-------|------|------|------|--------|-------|
| Project | FY20 | FY21 | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 95044001-Distribution System Implementation Project | 0 | 2,000 | 3,101 | 2,443 | 0 | 0 | 0 | 0 | 7,544 |
| with inflation | 0 | 2,000 | 3,241 | 2,668 | 0 | 0 | 0 | 0 | 7,908 |

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands \$)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|---|-------------|-------------|--------------|--------------------------|-------|------|------|------|--------|-------|
| Project | FY20 | FY21 | | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 95044001-Distribution System Implementation Project | 0 | 2,383 | 383 | 2,858 | 2,668 | 0 | 0 | 0 | 0 | 7,908 |

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands \$)

| | |
|-------------------------------------|--------------|
| SCVWD Water Utility Enterprise Fund | 7,908 |
| Other Funding Sources | 0 |
| Total | 7,908 |

OPERATING COST IMPACTS

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

USEFUL LIFE: Not Available

| | |
|--------------------|-------------------------------------|
| Project | FAHCE Implementation |
| Program | Water Supply - Transmission |
| Project No. | 92C40357 |
| Contact | Vincent Gin vgin@valleywater.org |



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

PROJECT DESCRIPTION

In 1996, Guadalupe-Coyote Resource Conservation District (GCRCD) filed a water rights complaint against the district alleging degraded fish, wildlife, water quality and other beneficial uses in Coyote Creek, Guadalupe River and Stevens Creek. The 1997 listing of Central California Coast Steelhead as a threatened species under Federal Endangered Species Act requires the water district to obtain permits to address the impacts of its water supply activities on aquatic habitat and instream flows. In 2003, a settlement agreement was initialed by parties involved. Valley Water is the process of preparing a Fish Habitat Restoration Plan (FHRP) and associated environmental impact report to complete the water rights change petitions, resolve the water rights complaint and address issues raised in the 2003 Settlement Agreement. The FAHCE program consists of reservoir reoperations to support salmonid spawning, rearing and migration; provide fish passage and aquatic habitat restoration measures, and to adaptively manage FHRP implementation in the Guadalupe River, Coyote Creek and Stevens Creek watersheds (Three Creeks).

PROJECT LOCATION

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

SCHEDULE & STATUS

July 2020 to June 2026

| Phase | Cost | FY 21 | FY 22 | FY 23 | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 |
|-----------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Plan | 145,108 | | | | | | | | | | | |
| Design | - | | | | | | | | | | | |
| Construct | - | | | | | | | | | | | |
| Closeout | - | | | | | | | | | | | |
| | 145,108 | | | | | | | | | | | |

EXPENDITURE SCHEDULE

(in thousands \$)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|-------------------------------|--------------|----------------------|------|-------|-------|--------|--------|---------|---------|
| Project | FY20 | FY21 | FY22 | FY23 | FY24 | FY25 | FY26 | 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 | FY20 | FY21 | | FY22 | FY23 | FY24 | FY25 | FY26 | 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 |

OPERATING COST IMPACTS

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

USEFUL LIFE: Not Available

| | |
|--------------------|--|
| Project | IRP2 Additional Line Valves |
| Program | Water Supply – Transmission |
| Project No. | 26764001 |
| Contact | Heath McMahon hcmahon@valleywater.org |



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

PROJECT DESCRIPTION

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

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

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

PROJECT LOCATION



★ Project Location

SCHEDULE & STATUS

July 2018 to June 2027

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

| Phase | Cost | FY 21 | FY 22 | FY 23 | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 |
|-----------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Plan | 163 | | | | | | | | | | | |
| Design | 1,498 | | | | | | | | | | | |
| Construct | 8,729 | | | | | | | | | | | |
| Closeout | 70 | | | | | | | | | | | |
| | 10,550 | | | | | | | | | | | |

EXPENDITURE SCHEDULE

(in thousands \$)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|--------------------------------------|--------------|----------------------|-------|------|-------|-------|-------|--------|--------|
| Project | FY20 | FY21 | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 26764001-IRP2 Additional Line Valves | 949 | 1,172 | 1,773 | 25 | 2,197 | 2,182 | 2,182 | 70 | 10,550 |
| with inflation | 949 | 1,172 | 1,834 | 27 | 2,427 | 2,492 | 2,576 | 91 | 11,567 |

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands \$)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|--------------------------------------|-------------|-------------|--------------|--------------------------|------|-------|-------|-------|--------|--------|
| Project | FY20 | FY21 | | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 26764001-IRP2 Additional Line Valves | 1,489 | 634 | 2 | 1,832 | 27 | 2,427 | 2,492 | 2,576 | 91 | 11,567 |

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands \$)

| | |
|-----------------------------|---------------|
| SCVWD Safe Clean Water Fund | 11,567 |
| Other Funding Source | 0 |
| Total | 11,567 |

OPERATING COST IMPACTS

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

USEFUL LIFE: 35 Years

Project Main & Madrone Pipelines Restoration

Program Water Supply - Transmission

Project No. 26564001

Contact Heath McMahon hcmahon@valleywater.org



Main Avenue Ponds facing North



Madrone Pipeline Outlet into Madrone Channel looking North along northbound Interstate 101

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements on the full length of the Madrone Pipeline and rehabilitates the Main Avenue Pipeline to accomplish the following objectives:

- ♦ Provide the means to utilize another reliable water source, (e.g. Anderson Reservoir) to supply water to the Main Avenue Ponds and the Madrone Channel.
- ♦ Allow for greater flows to the Main Avenue Ponds and the Madrone Channel.
- ♦ Maximize imported water flows to the treatment plants.

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

PROJECT LOCATION



— Project Location

SCHEDULE & STATUS

July 2014 to December 2020

| Phase | Cost | FY 21 | FY 22 | FY 23 | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 |
|-----------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Plan | 346 | | | | | | | | | | | |
| Design | 3,092 | | | | | | | | | | | |
| Construct | 13,585 | | | | | | | | | | | |
| Closeout | 225 | | | | | | | | | | | |
| | 17,568 | | | | | | | | | | | |

EXPENDITURE SCHEDULE

(in thousands \$)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|---|--------------|----------------------|------|------|------|------|------|--------|--------|
| Project | FY20 | FY21 | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 26564001-Main & Madrone Pipelines Restoration | 17,343 | 225 | 0 | 0 | 0 | 0 | 0 | 0 | 17,568 |
| with inflation | 17,343 | 225 | 0 | 0 | 0 | 0 | 0 | 0 | 17,568 |

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands \$)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|---|-------------|-------------|--------------|--------------------------|------|------|------|------|--------|--------|
| Project | FY20 | FY21 | | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 26564001-Main & Madrone Pipelines Restoration | 17,570 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 17,570 |

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands \$)

| | |
|-------------------------------------|---------------|
| SCVWD Safe, Clean Water Fund | 6,354 |
| SCVWD Water Utility Enterprise Fund | 11,214 |
| Total | 17,568 |

OPERATING COST IMPACTS

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

USEFUL LIFE: 40 Years

| | |
|--------------------|---|
| Project | Pacheco/Santa Clara Conduit Right of Way Acquisition |
| Program | Water Supply – Transmission |
| Project No. | 92144001 |
| Contact | Heath McMahon hcmahon@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

PROJECT DESCRIPTION

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

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

PROJECT LOCATION



 Project Location

SCHEDULE & STATUS

July 2009 to March 2023

| Phase | Cost | FY 21 | FY 22 | FY 23 | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Plan | 1,712 | | | | | | | | | | | |
| Design | 2,357 | | | | | | | | | | | |
| Construct | 984 | | | | | | | | | | | |
| Closeout | 35 | | | | | | | | | | | |
| | 5,206 | | | | | | | | | | | |

EXPENDITURE SCHEDULE

(in thousands \$)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|---|-----------------|----------------------|-------|------|------|------|------|--------|-------|
| Project | FY20 | FY21 | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 92144001-Pacheco/Santa Clara Conduit Right of Way Acquisition | 1,810 | 1,519 | 1,596 | 281 | 0 | 0 | 0 | 0 | 5,206 |
| with inflation | 1,810 | 1,519 | 1,667 | 306 | 0 | 0 | 0 | 0 | 5,301 |

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands \$)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|---|----------------|----------------|-----------------|--------------------------|------|------|------|------|--------|-------|
| Project | FY20 | FY21 | | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 92144001-Pacheco/Santa Clara Conduit Right of Way Acquisition | 2,827 | 507 | 5 | 1,662 | 306 | 0 | 0 | 0 | 0 | 5,301 |

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands \$)

| | |
|-------------------------------------|--------------|
| SCVWD Water Utility Enterprise Fund | 5,274 |
| San Benito County Water District | 27 |
| Total | 5,301 |

OPERATING COST IMPACTS

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

USEFUL LIFE: 15-20 Years

| | |
|--------------------|---|
| Project | SCADA Implementation Project |
| Program | Water Supply - Transmission |
| Project No. | 95044002 |
| Contact | Bhavani Yerrapotu byerrapotu@valleywater.org |



Process control / SCADA system

PROJECT DESCRIPTION

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

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

PROJECT LOCATION



SCHEDULE & STATUS

July 2019 to June 2023

| Phase | Cost | FY 21 | FY 22 | FY 23 | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Plan | 4,453 | | | | | | | | | | | |
| Design | 1,694 | | | | | | | | | | | |
| Construct | - | | | | | | | | | | | |
| Closeout | - | | | | | | | | | | | |
| | 6,147 | | | | | | | | | | | |

EXPENDITURE SCHEDULE

(in thousands \$)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|---------------------------------------|-----------------|----------------------|-------|-------|------|------|------|--------|-------|
| Project | FY20 | FY21 | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 95044002-SCADA Implementation Project | 0 | 1,365 | 2,284 | 2,498 | 0 | 0 | 0 | 0 | 6,147 |
| with inflation | 0 | 1,365 | 2,387 | 2,728 | 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 | FY20 | FY21 | | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 95044002-SCADA Implementation Project | 0 | 1,365 | 0 | 2,387 | 2,728 | 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 |

OPERATING COST IMPACTS

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

USEFUL LIFE: Not Available

| | |
|--------------------|---|
| Project | Small Capital Improvements, Raw Water Transmission |
| Program | Water Supply – Transmission |
| Project No. | 92764009 |
| Contact | Greg Williams gwilliams@valleywater.org |



Major repair and replacement of turnout roofs and similar small raw water capital projects will be completed in accordance with the asset management plan.

PROJECT DESCRIPTION

This project provides resources for the improvement of small capital investments that replace or extend the life of an asset. This project will repair or rehabilitate various existing raw water distribution facilities. These activities include identifying and fixing corrosion problems, replacing valves and other appurtenances and modifying water recharge facilities to avoid failure of the raw water transmission system and extend the life of the infrastructure. This project is part of Valley Water's 10-year asset management program. Planned projects for FY21 include:

- ♦ Pay Valley Habitat Fees for long-term permitting.
- ♦ Fix turnout roofs.
- ♦ Purchase spare parts for inventory.
- ♦ Video inspection of South County recycled water pipeline.

PROJECT LOCATION



SCHEDULE & STATUS

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

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

| Phase | Cost | FY 21 | FY 22 | FY 23 | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 |
|-----------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Plan | n/a | | | | | | | | | | | |
| Design | n/a | | | | | | | | | | | |
| Construct | n/a | | | | | | | | | | | |
| Closeout | n/a | | | | | | | | | | | |
| | n/a | | | | | | | | | | | |

EXPENDITURE SCHEDULE

(in thousands \$)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|---|--------------|----------------------|------|------|------|-------|------|--------|--------|
| Project | FY20 | FY21 | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 92764009-Small Capital Improvements, Raw Water Transmission | n/a | 82 | 162 | 16 | 335 | 5,637 | 218 | 2,886 | 9,336 |
| with inflation | n/a | 82 | 169 | 17 | 382 | 6,722 | 272 | 4,248 | 11,893 |

FUNDING SCHEDULE

(in thousands \$)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|---|-------------|-------------|--------------|--------------------------|------|------|-------|------|--------|--------|
| Project | FY20 | FY21 | | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 92764009-Small Capital Improvements, Raw Water Transmission | n/a | 82 | 0 | 169 | 17 | 382 | 6,722 | 272 | 4,248 | 11,893 |

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 | 11,893 |
| Other Funding Source | 0 |
| Total | 11,893 |

OPERATING COST IMPACTS

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

USEFUL LIFE: Not Available

| | |
|--------------------|---|
| Project | Small Capital Improvements, Treated Water Transmission |
| Program | Water Supply – Transmission |
| Project No. | 94764006 |
| Contact | Greg Williams gwilliams@valleywater.org |



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

PROJECT DESCRIPTION

This project provides resources for the improvement of small capital investments that replace or extend the life of an asset. This project will repair or rehabilitate various existing 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 FY21 include:

- ♦ Treated water meter replacements.

PROJECT LOCATION



 Project Location

SCHEDULE & STATUS

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

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

| Phase | Cost | FY 21 | FY 22 | FY 23 | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 |
|-----------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Plan | n/a | | | | | | | | | | | |
| Design | n/a | | | | | | | | | | | |
| Construct | n/a | | | | | | | | | | | |
| Closeout | n/a | | | | | | | | | | | |
| | n/a | | | | | | | | | | | |

EXPENDITURE SCHEDULE

(in thousands \$)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|---|--------------|----------------------|------|------|------|------|------|--------|-------|
| Project | FY20 | FY21 | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 94764006-Small Capital Improvements, Treated Water Transmission | n/a | 0 | 34 | 36 | 26 | 100 | 42 | 175 | 413 |
| with inflation | n/a | 0 | 36 | 39 | 30 | 119 | 52 | 256 | 532 |

FUNDING SCHEDULE

(in thousands \$)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|---|-------------|-------------|--------------|--------------------------|------|------|------|------|--------|-------|
| Project | FY20 | FY21 | | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 94764006-Small Capital Improvements, Treated Water Transmission | n/a | 0 | 0 | 36 | 39 | 30 | 119 | 52 | 256 | 532 |

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 | 532 |
| Other Funding Source | 0 |
| Total | 532 |

OPERATING COST IMPACTS

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

USEFUL LIFE: Not Available

| | |
|--------------------|--|
| Project | Treated Water Isolation Valves |
| Program | Water Supply – Transmission |
| Project No. | 94084007 |
| Contact | Heath McMahon hcmahon@valleywater.org |



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

PROJECT DESCRIPTION

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

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

PROJECT LOCATION



★ Project Location

SCHEDULE & STATUS

December 2018 to December 2028

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

| Phase | Cost | FY 21 | FY 22 | FY 23 | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Plan | 165 | | | | | | | | | | | |
| Design | 1,127 | | | | | | | | | | | |
| Construct | 6,116 | | | | | | | | | | | |
| Closeout | 53 | | | | | | | | | | | |
| | 7,461 | | | | | | | | | | | |

EXPENDITURE SCHEDULE

(in thousands \$)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|---|--------------|----------------------|------|------|-------|------|-------|--------|-------|
| Project | FY20 | FY21 | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 94084007-Treated Water Isolation Valves | 26 | 0 | 948 | 139 | 2,197 | 0 | 2,064 | 2,087 | 7,461 |
| with inflation | 26 | 0 | 991 | 152 | 2,433 | 0 | 2,439 | 2,643 | 8,683 |

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands \$)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|---|-------------|-------------|--------------|--------------------------|------|-------|------|-------|--------|-------|
| Project | FY20 | FY21 | | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 94084007-Treated Water Isolation Valves | 1,271 | 0 | 1,245 | 0 | 0 | 2,330 | 0 | 2,439 | 2,643 | 8,683 |

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands \$)

| | |
|-------------------------------------|--------------|
| SCVWD Water Utility Enterprise Fund | 8,683 |
| Other Funding Sources | 0 |
| Total | 8,683 |

OPERATING COST IMPACTS

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

USEFUL LIFE: 50 Years

Project**Vasona Pump Station Upgrade****Program**

Water Supply – Transmission

Project No.

92264001

Contact

Heath McMahon

hcmahon@valleywater.org



Vasona Pump Station

PROJECT DESCRIPTION

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

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

PROJECT LOCATION

★ Project Location

SCHEDULE & STATUS

July 2017 to February 2025

| Phase | Cost | FY 21 | FY 22 | FY 23 | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 30 |
|-----------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Plan | 1,307 | | | | | | | | | | | |
| Design | 1,657 | | | | | | | | | | | |
| Construct | 18,770 | | | | | | | | | | | |
| Closeout | 70 | | | | | | | | | | | |
| | 22,495 | | | | | | | | | | | |

EXPENDITURE SCHEDULE

(in thousands \$)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|--------------------------------------|--------------|----------------------|------|--------|------|------|------|--------|--------|
| Project | FY20 | FY21 | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 92264001-Vasona Pump Station Upgrade | 1,328 | 1,795 | 686 | 18,040 | 478 | 168 | 0 | 0 | 22,495 |
| with inflation | 1,328 | 1,795 | 717 | 19,159 | 545 | 200 | 0 | 0 | 23,745 |

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands \$)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|--------------------------------------|-------------|-------------|--------------|--------------------------|--------|------|------|------|--------|--------|
| Project | FY20 | FY21 | | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 92264001-Vasona Pump Station Upgrade | 1,905 | 1,218 | 0 | 717 | 19,159 | 545 | 200 | 0 | 0 | 23,745 |

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands \$)

| | |
|-------------------------------------|---------------|
| SCVWD Water Utility Enterprise Fund | 23,745 |
| Other Funding Sources | 0 |
| Total | 23,745 |

OPERATING COST IMPACTS

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

USEFUL LIFE: 50 Years

| | |
|--------------------|---|
| Project | Westside Retailer Interties |
| Program | Water Supply – Transmission |
| Project No. | 94084008 |
| Contact | Heath McMahon hmcmahon@valleywater.org |



New interties similar to this will be installed in the cities of Santa Clara and Mountain View.

PROJECT DESCRIPTION

This project plans, designs, and constructs two new retailer interties and associated appurtenances, structures, and controls in the cities of Santa Clara and Mountain View. The project will accomplish the following objectives:

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

PROJECT LOCATION



★ Project Location

SCHEDULE & STATUS

April 2018 to January 2021

| Phase | Cost | FY 21 | FY 22 | FY 23 | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 |
|-----------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Plan | 62 | | | | | | | | | | | |
| Design | 7 | | | | | | | | | | | |
| Construct | - | | | | | | | | | | | |
| Closeout | - | | | | | | | | | | | |
| | 72 | | | | | | | | | | | |

EXPENDITURE SCHEDULE

(in thousands \$)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|--------------------------------------|--------------|----------------------|------|------|------|------|------|--------|-------|
| Project | FY20 | FY21 | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 94084008-Westside Retailer Interties | 72 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 72 |
| with inflation | 72 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 72 |

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands \$)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|--------------------------------------|-------------|-------------|--------------|--------------------------|------|------|------|------|--------|-------|
| Project | FY20 | FY21 | | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 94084008-Westside Retailer Interties | 147 | 0 | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 147 |

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands \$)

| | |
|-------------------------------------|------------|
| SCVWD Water Utility Enterprise Fund | 147 |
| Other Funding Sources | 0 |
| Total | 147 |

OPERATING COST IMPACTS

The operating budget impact for the two proposed Interties is estimated to be \$11,000 per year beginning in FY24.

USEFUL LIFE: 50 Years

Treatment Facilities



Project PWTP Residuals Management

Program Water Supply - Treatment

Project No. 93234044

Contact Heath McMahon hcmahon@valleywater.org



Existing settling pond and residuals building to be replaced with new residuals management facility



Existing belt press to be replaced with new residuals management facility

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 a new washwater clarification facility.

PROJECT LOCATION



★ Project Location

SCHEDULE & STATUS

July 2020 to April 2027

| Phase | Cost | FY 21 | FY 22 | FY 23 | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 |
|-----------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Plan | 3,098 | | | | | | | | | | | |
| Design | 2,950 | | | | | | | | | | | |
| Construct | 32,743 | | | | | | | | | | | |
| Closeout | 75 | | | | | | | | | | | |
| | 38,866 | | | | | | | | | | | |

EXPENDITURE SCHEDULE

(in thousands \$)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|------------------------------------|-----------------|----------------------|-------|-------|-------|--------|--------|--------|--------|
| Project | FY20 | FY21 | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 93234044-PWTP Residuals Management | 0 | 683 | 1,901 | 1,383 | 1,424 | 8,843 | 16,371 | 8,261 | 38,866 |
| with inflation | 0 | 683 | 1,987 | 1,510 | 1,625 | 10,096 | 18,782 | 9,572 | 44,254 |

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands \$)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|------------------------------------|----------------|----------------|-----------------|--------------------------|-------|-------|--------|--------|--------|--------|
| Project | FY20 | FY21 | | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 93234044-PWTP Residuals Management | 0 | 683 | 0 | 1,987 | 1,510 | 1,625 | 10,096 | 18,782 | 9,572 | 44,254 |

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands \$)

| | |
|-------------------------------------|---------------|
| SCVWD Water Utility Enterprise Fund | 44,254 |
| Other Funding Sources | 0 |
| Total | 44,254 |

OPERATING COST IMPACTS

Operating cost impacts will be determined during the construction phase.

USEFUL LIFE: Not Available

Project RWTP Residuals Remediation

Program Water Supply - Treatment

Project No. 93294051s

Contact Heath McMahon hcmahon@valleywater.org



Centrifuge for mechanical dewatering of sludge



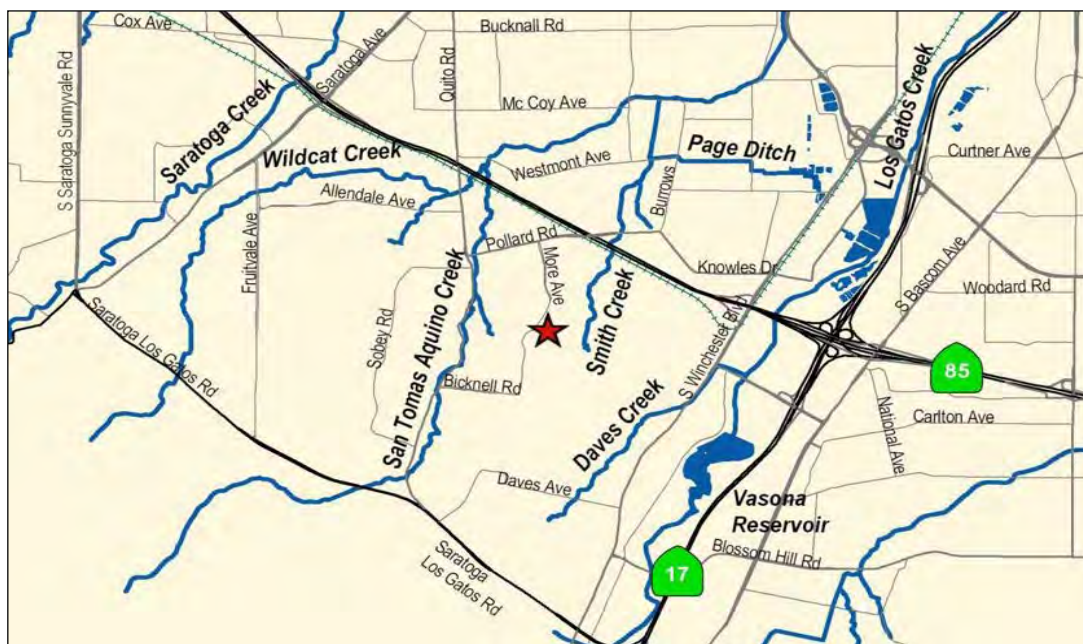
New gravity thickeners and mix tank for sludge thickening and blending

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.
- ♦ Minimize risk of discharge violations.
- ♦ Improve the reliability of RWTP.

PROJECT LOCATION



★ Project Location

SCHEDULE & STATUS

July 2008 to May 2024

| Phase | Cost | FY 21 | FY 22 | FY 23 | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 |
|-----------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Plan | 2,193 | | | | | | | | | | | |
| Design | 10,331 | | | | | | | | | | | |
| Construct | 49,164 | | | | | | | | | | | |
| Closeout | 372 | | | | | | | | | | | |
| | 63,417 | | | | | | | | | | | |

EXPENDITURE SCHEDULE

(in thousands \$)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|--|-----------------|----------------------|---------------|--------------|------------|----------|----------|----------|---------------|
| Project | FY20 | FY21 | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 93294051-RWTP FRP Residuals Management | 31,713 | 190 | 1 | 0 | 0 | 0 | 0 | 0 | 31,904 |
| with inflation | 31,713 | 190 | 1 | 0 | 0 | 0 | 0 | 0 | 31,904 |
| 93294058-RWTP Residuals Remediation | 5,319 | 2,200 | 15,204 | 8,235 | 555 | 0 | 0 | 0 | 31,513 |
| with inflation | 5,319 | 2,200 | 15,744 | 8,791 | 633 | 0 | 0 | 0 | 32,687 |
| TOTAL | 37,032 | 2,390 | 15,205 | 8,235 | 555 | 0 | 0 | 0 | 63,417 |
| with inflation | 37,032 | 2,390 | 15,745 | 8,791 | 633 | 0 | 0 | 0 | 64,591 |

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands \$)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|--|----------------|----------------|-----------------|--------------------------|-------|------|------|------|--------|--------|
| Project | FY20 | FY21 | | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 93294051-RWTP FRP Residuals Management | 38,573 | 0 | 6,670 | 0 | 0 | 0 | 0 | 0 | 0 | 38,573 |
| 93294058-RWTP Residuals Remediation | 7,632 | 10,315 | 10,428 | 5,316 | 8,791 | 633 | 0 | 0 | 0 | 32,687 |
| TOTAL | 46,205 | 10,315 | 17,098 | 5,316 | 8,791 | 633 | 0 | 0 | 0 | 71,260 |

Adjusted Budget includes adopted budget plus approved budget adjustments. Funding exceeds planned expenditures by approximately \$6,669,000. Excess funding will be returned to reserves upon project completion

FUNDING SOURCES

(in thousands \$)

| | |
|-------------------------------------|---------------|
| SCVWD Water Utility Enterprise Fund | 71,260 |
| Other Funding Source | 0 |
| Total | 71,260 |

OPERATING COST IMPACTS

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

USEFUL LIFE: Structures–50 Years, Mechanical Equipment–15 Years, Electrical Equipment–10 Years



Aerial view of the
Rinconada Water Treatment Plant facing west



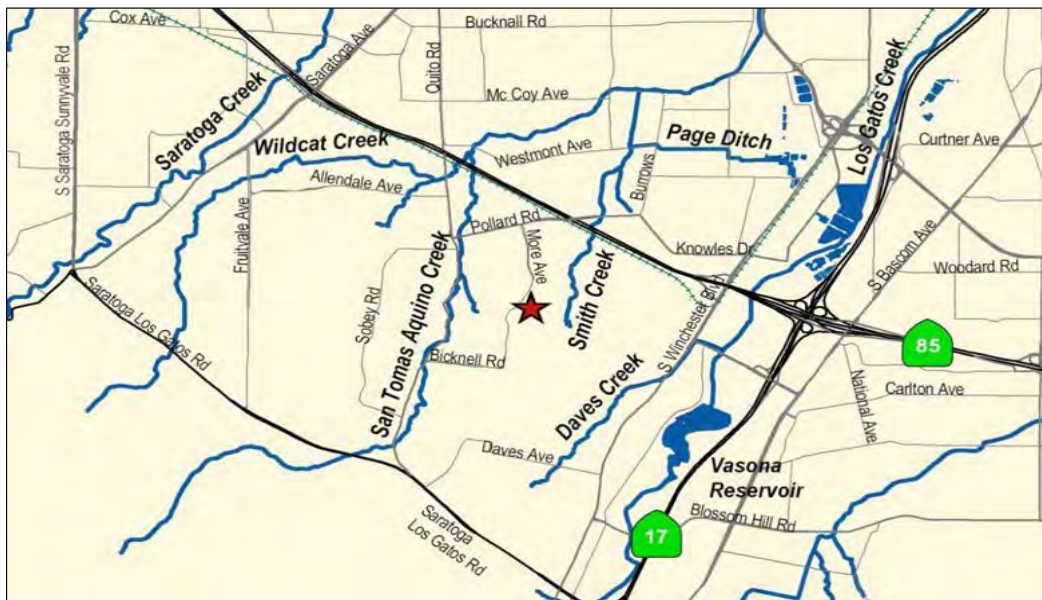
Artist rendering of the aerial view of the Rinconada
Water Treatment Plant facing south after construction

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 raw water ozonation facility.
- Construct a new flocculation and plate settler clarification facility.
- Implement a dual media filtration system.
- Increase RWTP capacity to 100 million gallons per day.

PROJECT LOCATION



★ Project Location

SCHEDULE & STATUS

July 2009 to June 2026

| Phase | Cost | FY 21 | FY 22 | FY 23 | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 |
|-----------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Plan | 1,954 | | | | | | | | | | | |
| Design | 21,309 | | | | | | | | | | | |
| Construct | 313,327 | | | | | | | | | | | |
| Closeout | 120 | | | | | | | | | | | |
| | 354,579 | | | | | | | | | | | |

EXPENDITURE SCHEDULE

(in thousands \$)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|---------------------------------------|--------------|----------------------|--------|--------|--------|--------|--------|--------|---------|
| Project | FY20 | FY21 | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 93294057-RWTP Reliability Improvement | 220,257 | 30,956 | 20,046 | 21,120 | 23,680 | 21,780 | 16,740 | 0 | 354,579 |
| with inflation | 220,257 | 30,956 | 20,841 | 21,901 | 24,570 | 22,700 | 17,660 | 0 | 358,884 |

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands \$)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|---------------------------------------|-------------|-------------|--------------|--------------------------|--------|--------|--------|--------|--------|---------|
| Project | FY20 | FY21 | | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 93294057-RWTP Reliability Improvement | 220,363 | 31,506 | 656 | 20,185 | 21,901 | 24,570 | 22,700 | 17,660 | 0 | 358,884 |

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands \$)

| | |
|-------------------------------------|----------------|
| SCVWD Water Utility Enterprise Fund | 358,884 |
| Other Funding Source | 0 |
| Total | 358,884 |

OPERATING COST IMPACTS

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

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

Project**RWTP Treated Water
Valves Upgrade****Program**

Water Supply – Treatment

Project No.

93294056

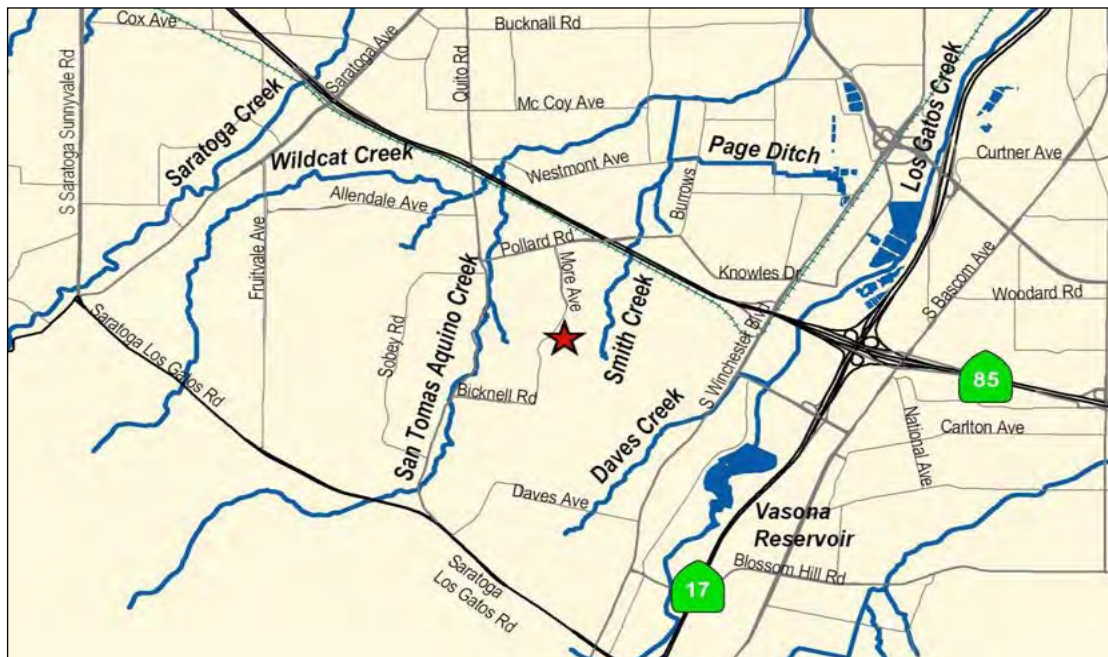
ContactHeath McMahon
hcmahon@valleywater.org

Example of a valve to be replaced or upgraded

PROJECT DESCRIPTION

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

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

PROJECT LOCATION

★ Project Location

SCHEDULE & STATUS

July 2009 to September 2021

| Phase | Cost | FY 21 | FY 22 | FY 23 | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Plan | 465 | | | | | | | | | | | |
| Design | 1,481 | | | | | | | | | | | |
| Construct | 6,599 | | | | | | | | | | | |
| Closeout | 10 | | | | | | | | | | | |
| | 8,629 | | | | | | | | | | | |

EXPENDITURE SCHEDULE

(in thousands \$)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|--|--------------|----------------------|------|------|------|------|------|--------|-------|
| Project | FY20 | FY21 | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 93294056-RWTP Treated Water Valves Upgrade | 8,331 | 288 | 10 | 0 | 0 | 0 | 0 | 0 | 8,629 |
| with inflation | 8,331 | 288 | 11 | 0 | 0 | 0 | 0 | 0 | 8,630 |

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands \$)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|--|-------------|-------------|--------------|--------------------------|------|------|------|------|--------|-------|
| Project | FY20 | FY21 | | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 93294056-RWTP Treated Water Valves Upgrade | 8,624 | 0 | 5 | 6 | 0 | 0 | 0 | 0 | 0 | 8,630 |

Adjusted Budget includes adopted budget plus approved budget adjustments

FUNDING SOURCES

(in thousands \$)

| | |
|-------------------------------------|--------------|
| SCVWD Water Utility Enterprise Fund | 8,630 |
| Other Funding Source | 0 |
| Total | 8,630 |

OPERATING COST IMPACTS

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

USEFUL LIFE: 40 Years

| | |
|--------------------|--|
| Project | Small Capital Improvements, Water Treatment |
| Program | Water Supply – Treatment |
| Project No. | 93764004 |
| Contact | Vincent Gin vgin@valleywater.org |



Sludge pond sediment removal at Santa Teresa Water Treatment Plant

PROJECT DESCRIPTION

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

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

PROJECT LOCATION



SCHEDULE & STATUS

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

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

| Phase | Cost | FY 21 | FY 22 | FY 23 | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 |
|-----------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Plan | n/a | | | | | | | | | | | |
| Design | n/a | | | | | | | | | | | |
| Construct | n/a | | | | | | | | | | | |
| Closeout | n/a | | | | | | | | | | | |
| | n/a | | | | | | | | | | | |

EXPENDITURE SCHEDULE

(in thousands \$)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|--|--------------|----------------------|-------|-------|-------|-------|-------|--------|--------|
| Project | FY20 | FY21 | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 93764004-Small Capital Improvements, Water Treatment | n/a | 10,285 | 7,180 | 1,296 | 4,716 | 2,658 | 2,704 | 16,356 | 45,195 |
| with inflation | n/a | 10,285 | 7,503 | 1,415 | 5,382 | 3,170 | 3,370 | 23,151 | 54,275 |

FUNDING SCHEDULE

(in thousands \$)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|--|-------------|-------------|--------------|--------------------------|-------|-------|-------|-------|--------|--------|
| Project | FY20 | FY21 | | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 93764004-Small Capital Improvements, Water Treatment | n/a | 10,285 | 0 | 7,503 | 1,415 | 5,382 | 3,170 | 3,370 | 23,151 | 54,275 |

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 | 54,275 |
| Other Funding Source | 0 |
| Total | 54,275 |

OPERATING COST IMPACTS

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

USEFUL LIFE: Not Available

| | |
|--------------------|--|
| Project | STWTP Filter Media Replacement |
| Program | Water Supply - Treatment |
| Project No. | 93284013 |
| Contact | Heath McMahon hcmahon@valleywater.org |



Santa Teresa Water Treatment Plant Filter Media Replacement

PROJECT DESCRIPTION

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

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

PROJECT LOCATION



★ Project Location

SCHEDULE & STATUS

July 2019 to June 2024

| Phase | Cost | FY 21 | FY 22 | FY 23 | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Plan | 631 | | | | | | | | | | | |
| Design | 1,177 | | | | | | | | | | | |
| Construct | 7,648 | | | | | | | | | | | |
| Closeout | 75 | | | | | | | | | | | |
| | 9,536 | | | | | | | | | | | |

EXPENDITURE SCHEDULE

(in thousands \$)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|---|-----------------|----------------------|-------|-------|-------|------|------|--------|--------|
| Project | FY20 | FY21 | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 93284013-STWTP Filter Media Replacement | 23 | 624 | 2,711 | 4,611 | 1,567 | 0 | 0 | 0 | 9,536 |
| with inflation | 23 | 624 | 2,813 | 4,912 | 1,728 | 0 | 0 | 0 | 10,100 |

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands \$)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|---|-------------|-------------|--------------|--------------------------|-------|-------|------|------|--------|--------|
| Project | FY20 | FY21 | | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 93284013-STWTP Filter Media Replacement | 203 | 445 | 1 | 2,812 | 4,912 | 1,728 | 0 | 0 | 0 | 10,100 |

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands \$)

| | |
|-------------------------------------|---------------|
| SCVWD Water Utility Enterprise Fund | 10,100 |
| Other Funding Sources | 0 |
| Total | 10,100 |

OPERATING COST IMPACTS

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

USEFUL LIFE: 10-15 Years

| | |
|--------------------|---|
| Project | Water Treatment Plant Electrical Improvement |
| Program | Water Supply - Treatment |
| Project No. | 93084004 |
| Contact | Heath McMahon hcmahon@valleywater.org |



Motor control center switchboard

PROJECT DESCRIPTION

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

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

PROJECT LOCATION



★ Project Location

SCHEDULE & STATUS

July 2019 to April 2025

| Phase | Cost | FY 21 | FY 22 | FY 23 | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 |
|-----------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Plan | 698 | | | | | | | | | | | |
| Design | 1,321 | | | | | | | | | | | |
| Construct | 8,839 | | | | | | | | | | | |
| Closeout | 75 | | | | | | | | | | | |
| | 10,944 | | | | | | | | | | | |

EXPENDITURE SCHEDULE

(in thousands \$)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|---|-----------------|----------------------|------|-------|-------|-------|------|--------|--------|
| Project | FY20 | FY21 | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 93084004-Water Treatment Plant Electrical Improvement | 34 | 615 | 841 | 2,323 | 5,328 | 1,803 | 0 | 0 | 10,944 |
| with inflation | 34 | 615 | 879 | 2,488 | 5,851 | 2,049 | 0 | 0 | 11,915 |

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands \$)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|---|----------------|----------------|-----------------|--------------------------|-------|-------|-------|--------|---|--------|
| Project | FY20 | FY21 | FY22 | FY23 | FY24 | FY25 | FY26 | Future | | |
| 93084004-Water Treatment Plant Electrical Improvement | 203 | 446 | 0 | 879 | 2,488 | 5,851 | 2,049 | 0 | 0 | 11,915 |

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands \$)

| | |
|-------------------------------------|---------------|
| SCVWD Water Utility Enterprise Fund | 11,915 |
| Other Funding Sources | 0 |
| Total | 11,915 |

OPERATING COST IMPACTS

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

USEFUL LIFE: 30+ Years

| | |
|--------------------|---|
| Project | WTP Implementation Project |
| Program | Water Supply - Treatment |
| Project No. | 93044001 |
| Contact | Bhavani Yerrapotu byerrapotu@valleywater.org |



WTP Implementation Project

PROJECT DESCRIPTION

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

PROJECT LOCATION



★ Project Location

SCHEDULE & STATUS

July 2020 to June 2023

| Phase | Cost | FY 21 | FY 22 | FY 23 | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Plan | 7,703 | | | | | | | | | | | |
| Design | - | | | | | | | | | | | |
| Construct | - | | | | | | | | | | | |
| Closeout | - | | | | | | | | | | | |
| | 7,703 | | | | | | | | | | | |

EXPENDITURE SCHEDULE

(in thousands \$)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|-------------------------------------|-----------------|----------------------|-------|-------|------|------|------|--------|-------|
| Project | FY20 | FY21 | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 93044001-WTP Implementation Project | 0 | 1,394 | 3,179 | 3,130 | 0 | 0 | 0 | 0 | 7,703 |
| with inflation | 0 | 1,394 | 3,322 | 3,418 | 0 | 0 | 0 | 0 | 8,134 |

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands \$)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|-------------------------------------|-------------|-------------|--------------|--------------------------|-------|------|------|------|--------|-------|
| Project | FY20 | FY21 | | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 93044001-WTP Implementation Project | 0 | 1,394 | 0 | 3,322 | 3,418 | 0 | 0 | 0 | 0 | 8,134 |

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands \$)

| | |
|-------------------------------------|--------------|
| SCVWD Water Utility Enterprise Fund | 8,134 |
| Other Funding Sources | 0 |
| Total | 8,134 |

OPERATING COST IMPACTS

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

USEFUL LIFE: Not Available

Recycled & Purified Water Facilities



| | |
|--------------------|---|
| Project | Expedited Purified Water Program |
| Program | Water Supply – Recycled Water |
| Project No. | 91304001s |
| Contact | Vincent Gin vgin@valleywater.org |



Reverse osmosis membranes used for water purification

PROJECT DESCRIPTION

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

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

Project elements may include, but are not limited to:

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

PROJECT LOCATION



★ Project Location

SCHEDULE & STATUS

April 2015 to June 2029

| Phase | Cost | FY 21 | FY 22 | FY 23 | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 |
|-----------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Plan | 18,109 | | | | | | | | | | | |
| Design | 51,781 | | | | | | | | | | | |
| Construct | 456,699 | | | | | | | | | | | |
| Closeout | - | | | | | | | | | | | |
| 537,642 | | | | | | | | | | | | |

EXPENDITURE SCHEDULE

(in thousands \$)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|--|---------------|----------------------|--------------|---------------|---------------|----------------|----------------|----------------|----------------|
| Project | FY20 | FY21 | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 91304001 - Indirect Potable Water Reuse Projects | 21,009 | 3,800 | 2,800 | 26,694 | 26,624 | 156,017 | 152,767 | 147,417 | 537,128 |
| with inflation | 21,009 | 3,800 | 2,926 | 29,151 | 30,382 | 176,239 | 177,647 | 176,127 | 617,282 |
| 91284009 - Silicon Valley Advanced Water Purification Center Expansion | 479 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 479 |
| with inflation | 479 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 479 |
| 91384001 - Purified Water Pipelines | 35 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 35 |
| with inflation | 35 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 35 |
| TOTAL | 21,523 | 3,800 | 2,800 | 26,694 | 26,624 | 156,017 | 152,767 | 147,417 | 537,642 |
| with inflation | 21,523 | 3,800 | 2,926 | 29,151 | 30,382 | 176,239 | 177,647 | 176,127 | 617,796 |

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands \$)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|--|---------------|--------------|--------------|--------------------------|---------------|---------------|----------------|----------------|----------------|----------------|
| Project | FY20 | FY21 | | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 91304001 - Indirect Potable Water Reuse Projects | 25,183 | 1,412 | 1,786 | 1,140 | 29,151 | 30,382 | 176,239 | 177,647 | 176,127 | 617,282 |
| 91284009 - Silicon Valley Advanced Water Purification Center Expansion | 479 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 479 |
| 91384001 - Purified Water Pipelines | 35 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 35 |
| TOTAL | 25,697 | 1,412 | 1,786 | 1,140 | 29,151 | 30,382 | 176,239 | 177,647 | 176,127 | 617,796 |

Adjusted Budget includes adopted budget plus a planned budget adjustments.

FUNDING SOURCES

(in thousands \$)

| | |
|-------------------------------------|----------------|
| SCVWD Water Utility Enterprise Fund | 617,796 |
| Other Funding Sources | 0 |
| Total | 617,796 |

OPERATING COST IMPACTS

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

USEFUL LIFE: Not Available

| | |
|--------------------|---|
| Project | Land Rights - South County Recycled Water Pipeline |
| Program | Water Supply – Recycled Water |
| Project No. | 91094001 |
| Contact | Heath McMahon hcmahon@valleywater.org |



Restricted land access puts recycled water delivery at risk.

PROJECT DESCRIPTION

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

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

PROJECT LOCATION



— Project Location
★ Project Location

SCHEDULE & STATUS

July 2020 to June 2025

| Phase | Cost | FY 21 | FY 22 | FY 23 | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Plan | 704 | | | | | | | | | | | |
| Design | 6,072 | | | | | | | | | | | |
| Construct | - | | | | | | | | | | | |
| Closeout | 28 | | | | | | | | | | | |
| | 6,804 | | | | | | | | | | | |

EXPENDITURE SCHEDULE

(in thousands \$)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|---|--------------|----------------------|------|-------|-------|------|------|--------|-------|
| Project | FY20 | FY21 | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 91094001-Land Rights - South County Recycled Water Pipeline | 0 | 0 | 524 | 3,120 | 3,160 | 0 | 0 | 0 | 6,804 |
| with inflation | 0 | 0 | 548 | 3,407 | 3,606 | 0 | 0 | 0 | 7,561 |

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands \$)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|---|-------------|-------------|--------------|--------------------------|-------|-------|------|------|--------|-------|
| Project | FY20 | FY21 | | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 91094001-Land Rights - South County Recycled Water Pipeline | 0 | 203 | 203 | 345 | 3,407 | 3,606 | 0 | 0 | 0 | 7,561 |

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands \$)

| | |
|-------------------------------------|--------------|
| SCVWD Water Utility Enterprise Fund | 7,561 |
| Other Funding Sources | 0 |
| Total | 7,561 |

OPERATING COST IMPACTS

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

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

| | |
|--------------------|---|
| Project | South County Recycled Water Pipeline |
| Program | Water Supply – Recycled Water |
| Project No. | 91094007s |
| Contact | Heath McMahon hcmahon@valleywater.org |



Purple recycled water pipe waiting to be laid during construction of the Immediate Term project

PROJECT DESCRIPTION

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

Completed:

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

Currently Underway:

- 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 will be completed through cost-sharing opportunities with the City of Gilroy and land developers to construct approximately 3,900 linear feet of 30-inch diameter pipe.
- 91094010 South County Recycled Water Pipeline (Long Term) Phase 1 to be completed through cost-sharing opportunities with the land developers through coordination by the City of Gilroy to construct approximately 9,200 linear feet of 24-inch diameter pipe.

PROJECT LOCATION



SCHEDULE & STATUS

July 2009 to December 2022

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

| Phase | Cost | FY 21 | FY 22 | FY 23 | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 |
|-----------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Plan | 3,049 | | | | | | | | | | | |
| Design | 11,264 | | | | | | | | | | | |
| Construct | 33,547 | | | | | | | | | | | |
| Closeout | 155 | | | | | | | | | | | |
| | 55,817 | | | | | | | | | | | |

EXPENDITURE SCHEDULE

(in thousands \$)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|--|---------------|----------------------|---------------|--------------|----------|----------|----------|----------|---------------|
| Project | FY20 | FY21 | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 91094007-Recycled Water South County Masterplan - 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 Masterplan - 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 | 10,215 | 9,550 | 14,912 | 4,664 | 0 | 0 | 0 | 0 | 39,341 |
| with inflation | 10,215 | 9,765 | 15,383 | 4,895 | 0 | 0 | 0 | 0 | 40,258 |
| 91094010-South County Recycled Water Pipeline - Short Term 2 | 7,481 | 337 | 10 | 0 | 0 | 0 | 0 | 0 | 7,828 |
| with inflation | 7,481 | 337 | 10 | 0 | 0 | 0 | 0 | 0 | 7,828 |
| TOTAL | 26,344 | 9,887 | 14,922 | 4,664 | 0 | 0 | 0 | 0 | 55,817 |
| with inflation | 26,344 | 10,102 | 15,393 | 4,895 | 0 | 0 | 0 | 0 | 56,734 |

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands \$)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|--|-------------|-------------|--------------|--------------------------|-------|------|------|------|--------|--------|
| Project | FY20 | FY21 | | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 91094007-Recycled Water South County Masterplan - Immediate Term | 3,257 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,257 |
| 91094008-Recycled Water South County Masterplan - Short Term 1A | 5,391 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5,391 |
| 91094009-South County Recycled Water Pipeline - Short Term 1B | 19,801 | 248 | 69 | 15,314 | 4,895 | 0 | 0 | 0 | 0 | 40,258 |
| 91094010-South County Recycled Water Pipeline - Short Term 2 | 8,108 | 0 | 290 | 0 | 0 | 0 | 0 | 0 | 0 | 8,108 |
| TOTAL | 36,557 | 248 | 359 | 15,314 | 4,895 | 0 | 0 | 0 | 0 | 57,014 |

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

FUNDING SOURCES

(in thousands \$)

| | |
|---|---------------|
| SCVWD Water Utility Enterprise Fund | 50,908 |
| South County Regional Wastewater Authority | 811 |
| United States Bureau of Reclamation (USBR) ARRA | 1,295 |
| United States Bureau of Reclamation (USBR) Title 16 | 4,000 |
| Total | 57,014 |

OPERATING COST IMPACTS

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

USEFUL LIFE: Pipelines—50 Years, Pumps—20 Years

Flood Protection

Flood Protection Capital Improvements

FLOOD PROTECTION OVERVIEW

Of the approximately 800 miles of creeks in Santa Clara County, Valley Water has jurisdiction over and manages approximately 275 miles to meet the Board's Ends Policy E-3, "There is a healthy and safe environment for residents, businesses and visitors, as well as for future generations." Valley Water's goals are further defined in E-3.1, "Provide natural flood protection for residents, businesses, and visitors" and E-3.2, "Reduce potential for flood damages." The 275 miles of creeks are located in five watersheds: Lower Peninsula, West Valley, Guadalupe, Coyote, and Uvas/Llagas. Valley Water administers an asset management program for its flood protection infrastructure. The program includes a schedule for maintenance and rehabilitation to ensure that each facility functions as intended throughout its useful life.

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

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

The renewed Safe, Clean Water Program - Fund 26, along with the Watershed and Stream Stewardship (1% ad valorem property tax) - Fund 12, are the two primary funding sources for flood protection projects.

Listed by watershed are the completed and current flood protection capital improvements, moving upstream from the completed downstream work or starting new work on creeks that have not had flood protection work.

Lower Peninsula Watershed

Major Capital Improvements Completed

- San Francisquito Creek from the S.F. Bay to Highway 101 (Safe, Clean Water)
- Adobe Creek from El Camino to West Edith Ave.
- Barron Creek
- Matadero Creek from Palo Alto Flood Basin to Barron Creek

Major Capital Improvements Identified in the CIP

- Palo Alto Flood Basin Structure Improvements
- Permanente Creek from S.F. Bay to Foothill Expressway (2012 Safe, Clean Water)
- San Francisquito Creek from Highway 101 to Searsville Dam (Safe, Clean Water)

West Valley Watershed

Major Capital Improvements Completed

- Calabazas Creek from Guadalupe Slough to Wardell Road
- San Tomas Creek from Southern Pacific Railroad to Cabrillo Avenue
- Saratoga Creek from San Tomas Creek to Lawrence Expressway

Major Capital Improvements Identified in the CIP

- Sunnyvale East and West Channels (Safe, Clean Water)

Guadalupe Watershed

Major Capital Improvements Completed

- Alamitos Creek
- Guadalupe River-Lower from Alviso Marina to Interstate 880
- Guadalupe River-Downtown from Interstate 880 to Interstate 280

Flood Protection Capital Improvements

Major Capital Improvements Identified in the CIP

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

Coyote Watershed

Major Capital Improvements Completed

- Coyote Creek from S.F. Bay to Montague Expressway
- Lower Penitencia Creek from Coyote Creek to Tasman Drive
- Lower Silver Creek from Coyote Creek to Cunningham Ave. (Reaches 1-6)
- Wrigley Ford Creek

Major Capital Improvements Identified in the CIP

- Berryessa Creek from Calaveras Boulevard to Interstate 680 (2012 Safe, Clean Water)
- Berryessa Creek from Lower Penitencia Creek to Calaveras Boulevard (Safe, Clean Water)
- Coyote Creek Montague Expressway to Tully Road (Safe, Clean Water)
- Upper Penitencia Creek from Coyote Creek to Dorel Drive (Safe, Clean Water)

Uvas/Llagas Watershed

Major Capital Improvements Completed

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

Major Capital Improvements Identified in the CIP

- Llagas Creek–Lower, Capacity Restoration from Buena Vista Avenue to Pajaro River
- Llagas Creek–Upper, Buena Vista Avenue to Llagas Road (Safe, Clean Water)

Multiple Watersheds

Major Capital Improvements Identified in the CIP

- San Francisco Bay Shoreline (Safe, Clean Water)
- Watershed Asset Rehabilitation Program

CIP PLANNING PROCESS AND FINANCIAL ANALYSIS

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

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

A financial analysis of the Watershed and Stream Stewardship Fund and Safe, Clean Water Fund, the funding sources for flood protection capital improvements, was conducted to determine if there are limitations to funding all of the projects proposed for the FY 2022-26 CIP.

Funding required for portions of several CIP projects is contingent on grants and partnership agreements that are under development and not currently secured. As Valley Water works through the process to secure funding, the project schedules may be adjusted. Projects with unsecured funding include:

- San Francisquito Creek, upstream of Hwy 101
- Upper Llagas, Phase 2 (Reaches 5, 6, 7B, 8, and 14)

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

Operations and Maintenance Costs

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

Flood Protection Capital Improvements

Significant Project Updates from the Prior Year

Listed below are the changes to projects from the FY 2021-25 Adopted CIP:

- The Palo Alto Flood Basin Tide Gate Structure Improvements Project increased in cost by \$6.3 million due to the extension of the project schedule by two years as a result of geotechnical recommendations to construct over 2.5 miles of levee trail surface improvements prior to constructing the tide gate structure in order to prevent structural damage to the existing levees.
- The San Francisco Bay Shoreline Project EIA 11 increased in cost by \$36.3 million due to an increase USACE project construction costs for Reaches 1-3. Also, San Francisco Bay Shoreline, Other EIAs Project increased in cost by \$40.8 million. The passing of Measure S for the SCW renewal means that funds for Phase II design and construction are now included in this Project.
- The Lower Berryessa, Lower Penitencia Creek to Calaveras Blvd. Project increased in cost by \$22.7 million due to a three year extension in the overall project schedule and increase in construction phase costs.
- The Permanente Creek Flood Protection Project, Bay to Foothill Expwy. increased in cost by \$6.1 million due to the discovery of cultural resources and ensuing project delays at the Rancho San Antonio Flood Detention Basin Project.
- The San Francisquito Flood Protection Project increased in cost by \$6.3 million due to the increase in Right of way and construction phase costs based on assessments by SFCJPA.
- The Upper Llagas Flood Protection Project Phase 2A (local funding only) increased in cost by \$22 million due to an increase in the construction cost estimates to include a \$25.8 million shortfall.

The Safe, Clean Water Program

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

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

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

- Berryessa Creek from Calaveras Boulevard to Interstate 680 (2012 Safe, Clean Water)
- Permanente Creek, San Francisco Bay to Foothill Expy. (2012 Safe, Clean Water)

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



Flood Protection Capital Improvements

The following table is a project funding schedule for flood protection capital improvements resulting from this year's financial analysis. Detailed information for each project can be found in this document on the following pages in the order presented in this table. The chart also identifies partially funded projects and estimated unspent appropriation from FY 2020-21. requirements from each funding source for water supply capital.

Flood Protection Capital Improvements (\$K)

| Project Number | PROJECT NAME | Through FY20 | FY21 | FY21 Unspent | FY22 | FY23 | FY24 | FY25 | FY26 | FY27-36 | TOTAL |
|----------------------------------|---|----------------|----------------|---------------|----------------|----------------|----------------|---------------|---------------|----------------|------------------|
| LOWER PENINSULA WATERSHED | | | | | | | | | | | |
| 10394001 | Palo Alto Flood Basin Tide Gate Structure Improvements | 4,392 | 83 | 552 | 3,062 | 8,849 | 8,862 | 8,898 | 4,904 | - | 39,050 |
| 10244001s | Permanente Creek, SF Bay to Foothill Expressway | 108,572 | 7,645 | 178 | - | - | - | - | - | - | 116,217 |
| 10284007s | San Francisquito Creek, SF Bay thru Searsville Dam (E5) | 62,751 | 370 | 1 | 12,725 | 24,295 | 6,885 | - | - | - | 107,026 |
| WEST VALEY WATERSHED | | | | | | | | | | | |
| 26074002 | Sunnyvale East and West Channels | 35,438 | 2,480 | - | 17,705 | 14,555 | 456 | - | - | - | 70,634 |
| GUADALUPE WATERSHED | | | | | | | | | | | |
| 30154019 | Guadalupe River Tasman Dr - I-880 | 1,080 | 1,838 | - | 2,677 | 2,358 | 28,293 | 29,753 | 29,912 | - | 95,911 |
| 26154001s | Guadalupe River--Upper, I-280 to Blossom Hill Road (E8) | 134,642 | - | 23,964 | 562 | 33 | 34 | 36 | 37 | 41,873 | 177,217 |
| 26154001 | Guadalupe Rv--Upper, Fish Passage Mods | 2,651 | - | - | - | - | - | - | - | - | 2,651 |
| COYOTE WATERSHED | | | | | | | | | | | |
| 26174041 | Berryessa Ck, Calaveras-I-680 - Corps | 35,566 | 29 | - | - | - | - | - | - | - | 35,595 |
| 40174004 | Berryessa Ck, Lower Penitencia Ck to Calaveras Blvd Phs 1 | 50,191 | - | 3,339 | - | - | - | - | - | - | 50,191 |
| 26174043 | Coyote Creek, Montague Expressway to Tully Road | 15,036 | 2,199 | 2,528 | 1,598 | 6,661 | 11,166 | 22,382 | 3,895 | - | 62,937 |
| 40264011 | Cunningham Flood Detention Certification | 11,806 | 4 | 3 | 28 | - | - | - | - | - | 11,838 |
| 40334005 | Lower Penitencia Ck Improvements, Berryessa to Coyote Cks. | 11,286 | 7,745 | 7,503 | 230 | 7,811 | 628 | 322 | - | - | 28,022 |
| 40264007s | Lower Silver Creek, I-680 to Cunningham (Reach 4-6) | 102,288 | 167 | 784 | 28 | 55 | - | - | - | - | 102,538 |
| 40324003s | Upper Penitencia Creek, Coyote Creek to Dorel Drive | 19,016 | 3,898 | 5,038 | 113 | 218 | 2,067 | 1,599 | 4,449 | 8,573 | 39,933 |
| UVAS LLAGAS WATERSHED | | | | | | | | | | | |
| 50284010 | Llagas Creek--Lower, Capacity Restoration, Buena Vista Road to Pajaro River | 6,947 | - | 2,763 | - | - | - | 3,239 | 3,462 | 391 | 14,039 |
| 26174051s | Llagas Creek--Upper, Buena Vista Avenue to Llagas Road | 125,315 | 47,476 | 4,555 | 59,398 | 57,413 | 32,386 | 9,433 | 1,496 | - | 332,917 |
| MULTIPLE WATERSHEDS | | | | | | | | | | | |
| 00044026s | San Francisco Bay Shoreline (E7) | 71,469 | 48,316 | 1 | 24,052 | 4,648 | 37,581 | 4,919 | 10,344 | 17,755 | 219,084 |
| 62084001 | Watersheds Asset Rehabilitation Program | 35,831 | 3,531 | 7,809 | 10,910 | 2,566 | 2,646 | 2,730 | 2,829 | 121,531 | 182,574 |
| TOTAL | | 912,688 | 136,499 | 59,018 | 145,376 | 130,347 | 131,381 | 83,585 | 63,434 | 263,372 | 1,866,682 |

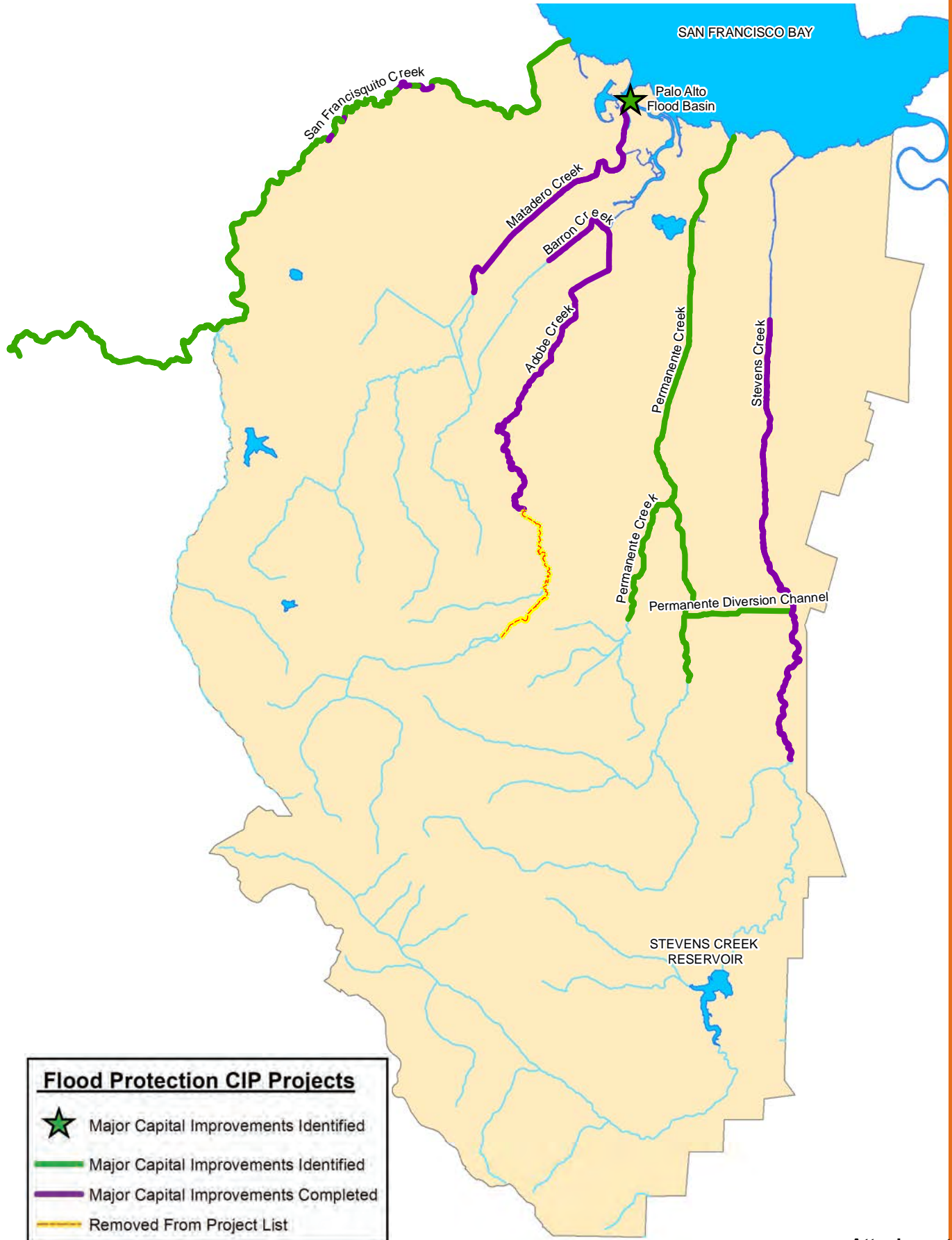
The following table shows funding requirements from each funding source for flood protection capital improvements.

Flood Protection - Funding Sources (\$K)

| Fund Number | FUND NAME | Through FY20 | FY21 | FY21 Unspent | FY22 | FY23 | FY24 | FY25 | FY26 | FY27-36 | TOTAL |
|--------------|---|----------------|----------------|---------------|----------------|----------------|----------------|---------------|---------------|----------------|------------------|
| 12 | Watershed Stream Stewardship Fund | 373,614 | 72,394 | 25,453 | 50,871 | 24,241 | 74,289 | 45,335 | 43,338 | 186,977 | 871,059 |
| 26 | Safe, Clean Water and Natural Flood Protection Fund | 539,074 | 64,105 | 33,565 | 94,505 | 106,106 | 57,092 | 38,250 | 20,096 | 76,395 | 995,623 |
| TOTAL | | 912,688 | 136,499 | 59,018 | 145,376 | 130,347 | 131,381 | 83,585 | 63,434 | 263,372 | 1,866,682 |

FY 2020-21 Funds to be reappropriated

Lower Peninsula Watershed



| | |
|--------------------|--|
| Project | Palo Alto Flood Basin Tide Gate Structure Replacement |
| Program | Flood Protection - Lower Peninsula Watershed |
| Project No. | 10394001 |
| Contact | Rechelle Blank rblank@valleywater.org |



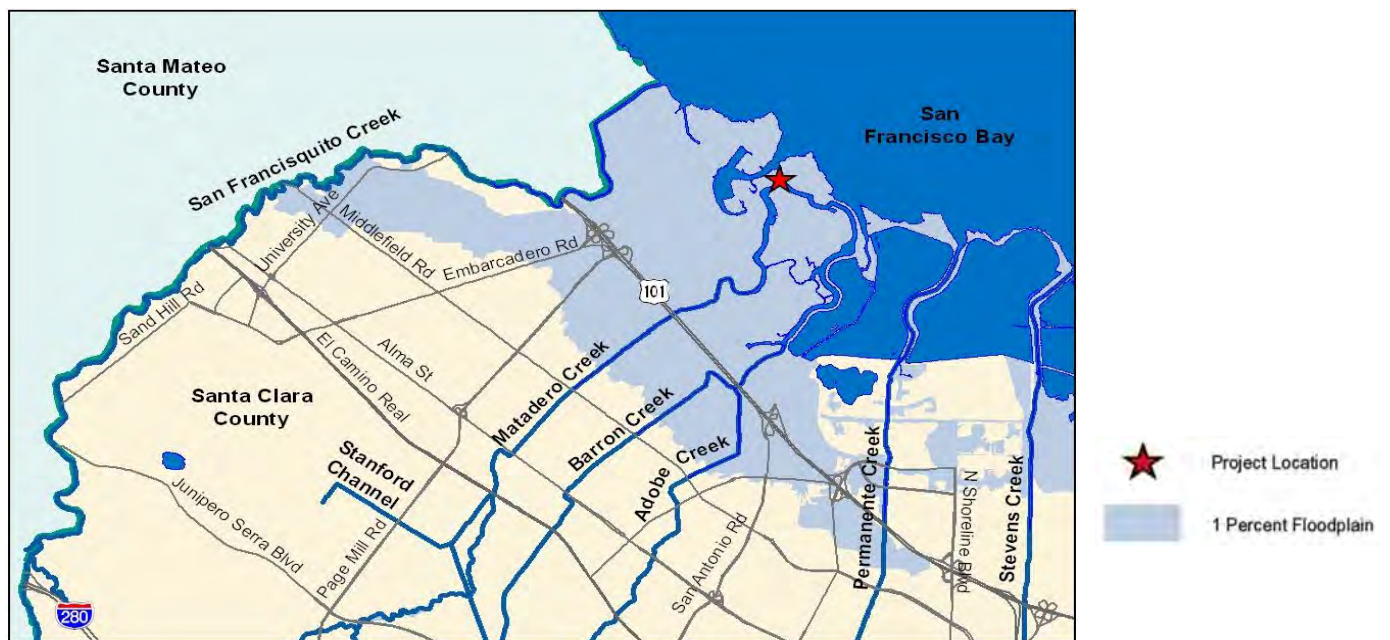
View from the west side of the Palo Alto tide gates facing east

PROJECT DESCRIPTION

This project plans, designs, and constructs a replacement tide gate structure for the Palo Alto Flood Basin to accomplish the following objectives:

- Prepare an Emergency Action Plan and coordinate with the City of Palo Alto.
- Mitigate potential failure of the existing tide gates structure.
- Reduce the possibility of flooding in lower reaches of Matadero, Adobe, and Barron Creeks.
- Adapt to future sea level rise scenarios.
- Coordinate with the Strategy to Advance Flood protection, Ecosystems and Recreation along San Francisco Bay project, the South Bay Shoreline project, and the Mountain View Ponds project.
- Protect habitat in the Palo Alto Flood Basin and around the work area.

PROJECT LOCATION



SCHEDULE & STATUS

November 2018 to February 2027

| Phase | Cost | FY 21 | FY 22 | FY 23 | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 |
|-----------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Plan | 1,068 | | | | | | | | | | | |
| Permits | 798 | | | | | | | | | | | |
| Design | 2,366 | | | | | | | | | | | |
| Construct | 32,380 | | | | | | | | | | | |
| Closeout | 90 | | | | | | | | | | | |
| | 36,779 | | | | | | | | | | | |

EXPENDITURE SCHEDULE

(in thousands \$)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|--|--------------|----------------------|-------|-------|-------|-------|-------|--------|--------|
| Project | FY20 | FY21 | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 10394001-Palo Alto Flood Basin Tide Gate Structure Replacement | 2,329 | 1,594 | 3,423 | 8,320 | 8,300 | 8,300 | 4,513 | 0 | 36,779 |
| with inflation | 2,329 | 1,594 | 3,614 | 8,849 | 8,862 | 8,898 | 4,904 | 0 | 39,049 |

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands \$)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|--|-------------|-------------|--------------|--------------------------|-------|-------|-------|-------|--------|--------|
| Project | FY20 | FY21 | | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 10394001-Palo Alto Flood Basin Tide Gate Structure Replacement | 4,392 | 83 | 552 | 3,062 | 8,849 | 8,862 | 8,898 | 4,904 | 0 | 39,049 |

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands \$)

| | |
|---|---------------|
| SCVWD Watershed&Stream Stewardship Fund | 39,049 |
| Other Funding Sources | 0 |
| Total | 39,049 |

OPERATING COST IMPACTS

Operating cost impacts are expected to be around \$25K per year starting in FY27. Closer analysis will be determined at the completion of the construction phase.

| | |
|--------------------|---|
| Project | Permanente Creek, San Francisco Bay to Foothill Expressway |
| Program | Flood Protection – Lower Peninsula Watershed |
| Project No. | 10244001s |
| Contact | Rechelle Blank rblank@valleywater.org |



McKelvey Ball Park upon completion in February 2020

PROJECT DESCRIPTION

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

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

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

PROJECT LOCATION



SCHEDULE & STATUS

July 2001 to June 2022

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

| Phase | Cost |
|-----------|---------|
| Plan | 10,049 |
| Permits | 3,863 |
| Design | 17,641 |
| Construct | 79,894 |
| Closeout | 50 |
| | 116,039 |

| FY 21 | FY 22 | FY 23 | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
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EXPENDITURE SCHEDULE

(in thousands \$)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|---|--------------|----------------------|------|------|------|------|------|--------|---------|
| Project | FY20 | FY21 | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 10244001-Permanente Ck, Bay to Foothill Expwy – Lower Peninsula Fund | 17,363 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17,363 |
| with inflation | 17,363 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17,363 |
| 26244001-Permanente Ck, Bay to Foothill Expwy – Clean, Safe Creeks Fund | 88,639 | 10,037 | 0 | 0 | 0 | 0 | 0 | 0 | 98,676 |
| with inflation | 88,639 | 10,037 | 0 | 0 | 0 | 0 | 0 | 0 | 98,676 |
| TOTAL | 106,002 | 10,037 | 0 | 0 | 0 | 0 | 0 | 0 | 116,039 |
| with inflation | 106,002 | 10,037 | 0 | 0 | 0 | 0 | 0 | 0 | 116,039 |

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands \$)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|---|-------------|-------------|--------------|--------------------------|------|------|------|------|--------|---------|
| Project | FY20 | FY21 | | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 10244001-Permanente Ck, Bay to Foothill Expwy – Lower Peninsula Fund | 17,541 | 0 | 178 | 0 | 0 | 0 | 0 | 0 | 0 | 17,541 |
| 26244001-Permanente Ck, Bay to Foothill Expwy – Clean, Safe Creeks Fund | 91,031 | 7,645 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 98,676 |
| TOTAL | 108,572 | 7,645 | 178 | 0 | 0 | 0 | 0 | 0 | 0 | 116,217 |

Adjusted Budget includes adopted budget plus approved budget adjustments. Allocated funding exceeds total planned expenditures by approximately \$178,000. Excess funds will be returned to Fund Reserves at the close of the project.

FUNDING SOURCES

(in thousands \$)

| | |
|--|----------------|
| SCVWD Watershed Stream Stewardship Fund | 17,541 |
| SCVWD Clean, Safe Creeks and Natural Flood Protection Fund | 97,653 |
| City of Mountain View | 1,023 |
| Total | 116,217 |

OPERATING COST IMPACTS

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

USEFUL LIFE: 30+ Years

| | |
|--------------------|--|
| Project | San Francisquito Creek, San Francisco Bay through Searsville Dam (E5) |
| Program | Flood Protection – Lower Peninsula Watershed |
| Project No. | 10284007s |
| Contact | Rechelle Blank rblank@valleywater.org |



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

PROJECT DESCRIPTION

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

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

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

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

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

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

PROJECT LOCATION



SCHEDULE & STATUS

June 2003 to June 2024

| Phase | Cost | FY 21 | FY 22 | FY 23 | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 |
|-----------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Plan | 4,637 | | | | | | | | | | | |
| Permits | 1,665 | | | | | | | | | | | |
| Design | 20,923 | | | | | | | | | | | |
| Construct | 74,324 | | | | | | | | | | | |
| Closeout | 100 | | | | | | | | | | | |

104,403

EXPENDITURE SCHEDULE

(in thousands \$)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|---|---------------|----------------------|---------------|---------------|--------------|----------|----------|----------|----------------|
| Project | FY20 | FY21 | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 10284007-San Francisquito Ck, Bay-Searsville Dam | 4,064 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4,064 |
| with inflation | 4,064 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4,064 |
| 10284008-San Francisquito Ck, Early Implementation | 1,614 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,614 |
| with inflation | 1,614 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,614 |
| 26284001-San Francisquito Ck, Bay-Searsville Dam | 6,671 | 111 | 0 | 0 | 0 | 0 | 0 | 0 | 6,782 |
| with inflation | 6,671 | 111 | 0 | 0 | 0 | 0 | 0 | 0 | 6,782 |
| 26284002-San Francisquito Ck - Construction - SF Bay to Middlefield Rd. | 47,991 | 2,669 | 12,278 | 22,770 | 6,235 | 0 | 0 | 0 | 91,943 |
| with inflation | 47,991 | 2,669 | 12,726 | 24,295 | 6,885 | 0 | 0 | 0 | 94,565 |
| TOTAL | 60,340 | 2,780 | 12,278 | 22,770 | 6,235 | 0 | 0 | 0 | 104,403 |
| with inflation | 60,340 | 2,780 | 12,726 | 24,295 | 6,885 | 0 | 0 | 0 | 107,025 |

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands \$)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|---|-------------|-------------|--------------|--------------------------|--------|-------|------|------|--------|---------|
| Project | FY20 | FY21 | | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 10284007-San Francisquito Ck, Bay-Searsville Dam | 4,064 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4,064 |
| 10284008-San Francisquito Ck, Early Implementation | 1,614 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,614 |
| 26284001-San Francisquito Ck, Bay-Searsville Dam | 6,782 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6,782 |
| 26284002-San Francisquito Ck - Construction - SF Bay to Middlefield Rd. | 50,291 | 370 | 1 | 12,725 | 24,295 | 6,885 | 0 | 0 | 0 | 94,565 |
| TOTAL | 62,751 | 370 | 1 | 12,725 | 24,295 | 6,885 | 0 | 0 | 0 | 107,025 |

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands \$)

| | |
|---|----------------|
| SCVWD Watershed Stream Stewardship Fund | 5,678 |
| SCVWD Safe, Clean Water and Natural Flood Protection Fund | 75,839 |
| JPA and Member Agencies (D/S Funding) | 5,508 |
| Unsecured Grants and Partnerships (U/S Funding) | 20,000 |
| Total | 107,025 |
| San Francisquito Joint Powers Authority | 11,040 |
| U.S. Army Corps of Engineers - In-kind Services | 3,000 |
| County of San Mateo - In-kind Services | 1,500 |
| City of Palo Alto/Caltrans Grant (Newell Road Bridge) | 8,941 |

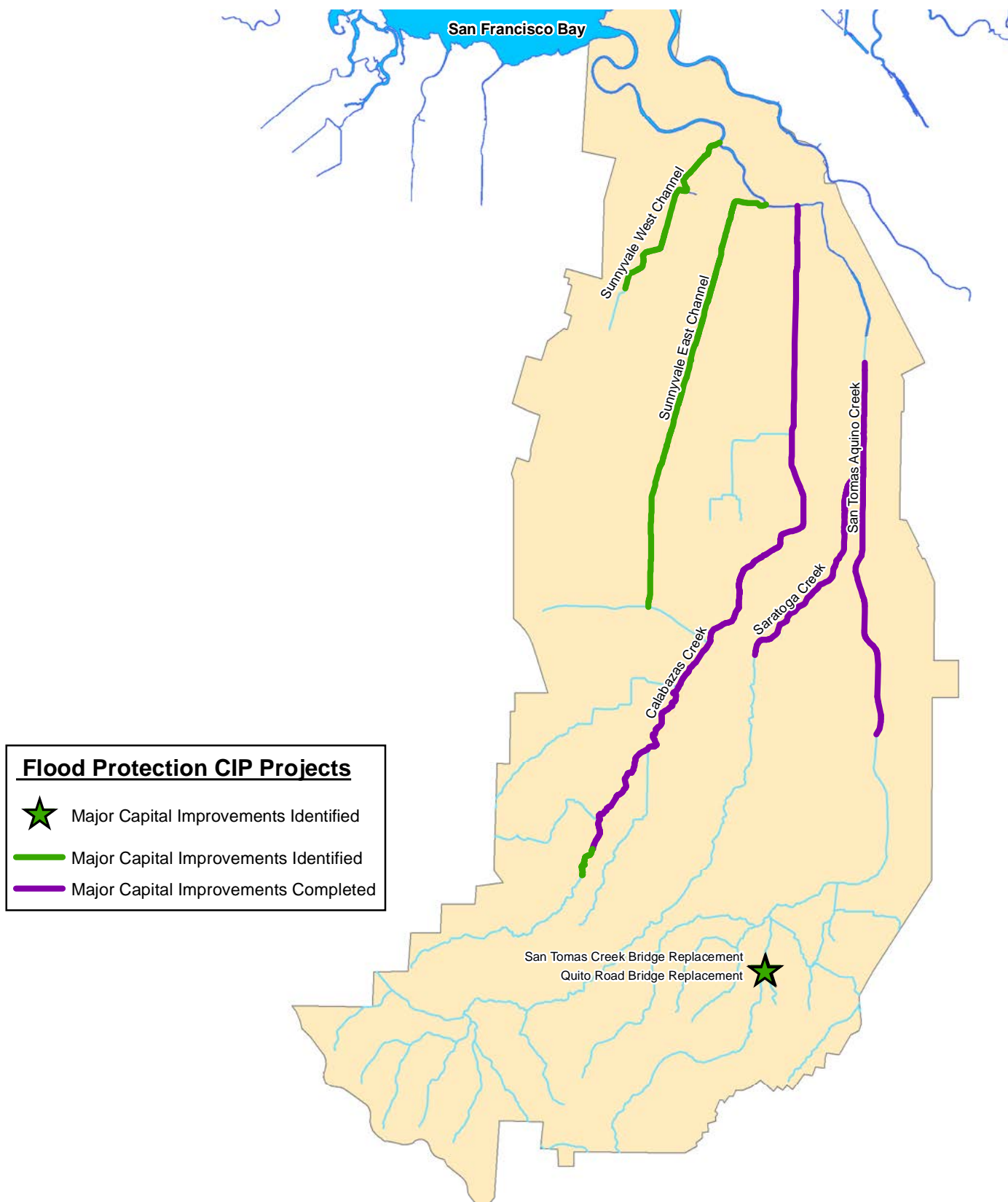
County and Corps participation are for Feasibility Study activities only. Additional funding will be negotiated during subsequent phases.

OPERATING COST IMPACTS

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

USEFUL LIFE: 30+ Years

West Valley Watershed



| | |
|--------------------|---|
| Project | Sunnyvale East and West Channels Flood Protection Project (E2) |
| Program | Flood Protection – West Valley Watershed |
| Project No. | 26074002 |
| Contact | Rechelle Blank rblank@valleywater.org |



Sunnyvale West Channel looking south at Carl Road

PROJECT DESCRIPTION

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

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

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

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

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

PROJECT LOCATION



SCHEDULE & STATUS

January 2006 to June 2024

| Phase | Cost | FY 21 | FY 22 | FY 23 | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 |
|-----------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Plan | 5,770 | | | | | | | | | | | |
| Permits | 1,137 | | | | | | | | | | | |
| Design | 11,160 | | | | | | | | | | | |
| Construct | 50,719 | | | | | | | | | | | |
| Closeout | 200 | | | | | | | | | | | |
| | 69,069 | | | | | | | | | | | |

EXPENDITURE SCHEDULE

(in thousands \$)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|---|--------------|----------------------|--------|--------|------|------|------|--------|--------|
| Project | FY20 | FY21 | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 26074002-Sunnyvale East and West Channels Flood Protection Project (E2) | 19,351 | 18,117 | 17,158 | 14,043 | 400 | 0 | 0 | 0 | 69,069 |
| with inflation | 19,351 | 18,117 | 17,705 | 14,555 | 456 | 0 | 0 | 0 | 70,184 |

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands \$)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|---|-------------|-------------|--------------|--------------------------|--------|------|------|------|--------|--------|
| Project | FY20 | FY21 | | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 26074002-Sunnyvale East and West Channels Flood Protection Project (E2) | 35,438 | 2,480 | 450 | 17,255 | 14,555 | 456 | 0 | 0 | 0 | 70,184 |

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands \$)

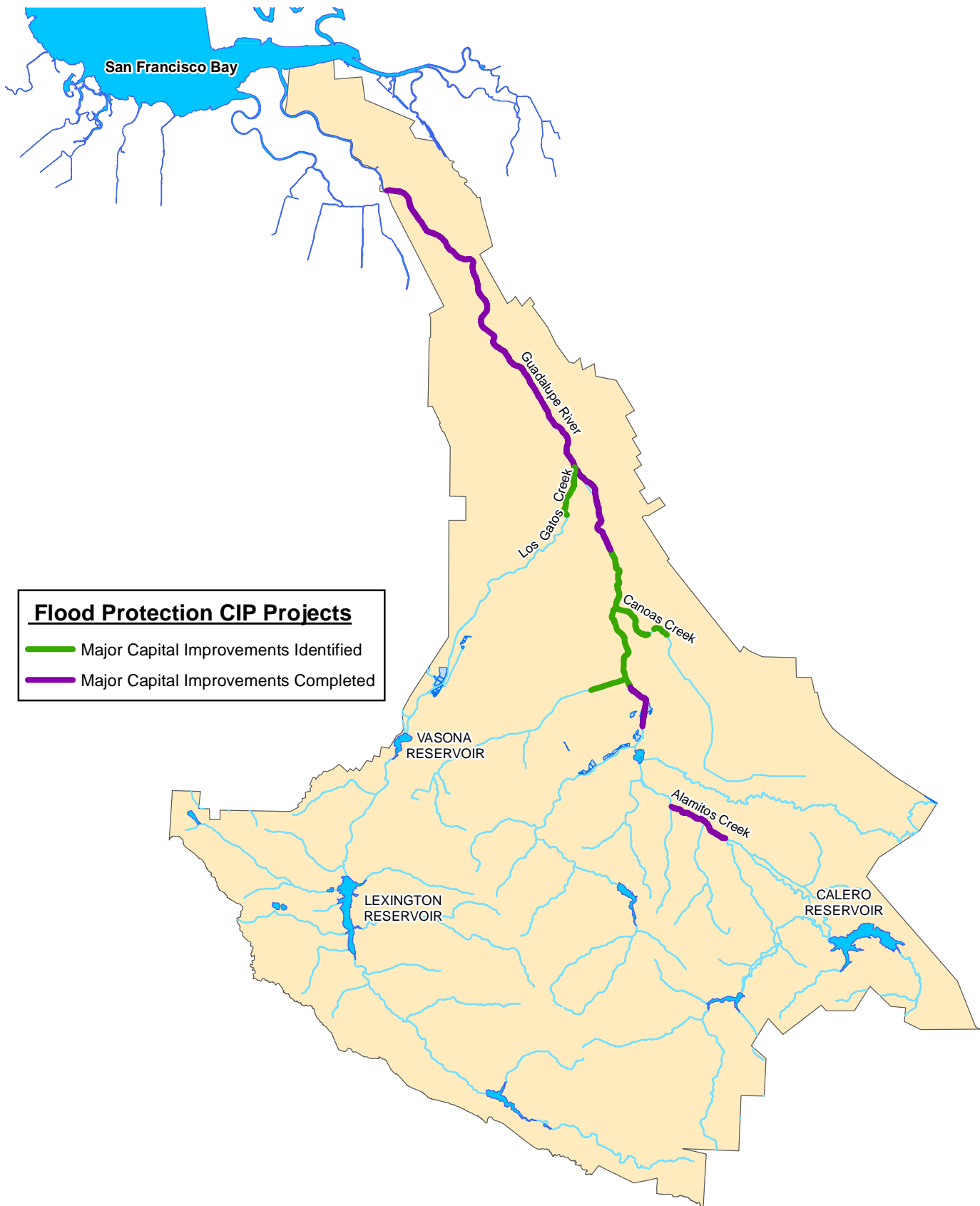
| | |
|--|---------------|
| SCVWD Clean, Safe Creeks and Natural Flood Protection Fund | 70,184 |
| Other Funding Source | 0 |
| Total | 70,184 |

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately \$210,000 per year based on Operations & Maintenance forecasting, beginning in FY24. Increases in operations and maintenance costs include graffiti removal, vegetation management, rodent abatement, good neighbor maintenance, and encampment cleanup in areas where the City of Sunnyvale's joint use agreements are not applicable.

USEFUL LIFE: 30+ Years

Guadalupe Watershed



SCHEDULE & STATUS

January 2019 to June 2025

| Phase | Cost | FY 21 | FY 22 | FY 23 | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 |
|-----------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Plan | 2,468 | | | | | | | | | | | |
| Design | 4,962 | | | | | | | | | | | |
| Construct | 79,933 | | | | | | | | | | | |
| Closeout | 50 | | | | | | | | | | | |
| | 87,622 | | | | | | | | | | | |

EXPENDITURE SCHEDULE

(in thousands \$)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|--|-----------------|----------------------|-------|-------|--------|--------|--------|--------|--------|
| Project | FY20 | FY21 | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 30154019-Guadalupe River Tasman Dr - I-880 | 872 | 2,047 | 2,561 | 2,159 | 25,811 | 27,061 | 27,111 | 0 | 87,622 |
| with inflation | 872 | 2,047 | 2,676 | 2,358 | 28,293 | 29,753 | 29,912 | 0 | 95,910 |

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands \$)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|--|-------------|-------------|--------------|--------------------------|-------|--------|--------|--------|--------|--------|
| Project | FY20 | FY21 | | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 30154019-Guadalupe River Tasman Dr - I-880 | 1,080 | 1,838 | -1 | 2,677 | 2,358 | 28,293 | 29,753 | 29,912 | 0 | 95,910 |

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands \$)

| | |
|---|---------------|
| SCVWD Watershed Stream Stewardship Fund | 95,910 |
| Other Funding Sources | 0 |
| Total | 95,910 |

OPERATING COST IMPACTS

N/A

USEFUL LIFE: N/A

| | |
|--------------------|--|
| Project | Guadalupe River–Upper, Interstate 280 to Blossom Hill Road (E8) |
| Program | Flood Protection – Guadalupe Watershed |
| Project No. | 26154001s |
| Contact | Rechelle Blank rblank@valleywater.org |



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

PROJECT DESCRIPTION

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

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

This project is accounted for in the following:

- 26154001 Fish Passage Modification (Completed)
- 26154002 I-280 to Southern Pacific Railroad Bridge (Reach 6)
- 26154003 Southern Pacific Railroad Bridge to Blossom Hill Road (Reaches 7-12)

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

PROJECT LOCATION



SCHEDULE & STATUS

September 1985 to June 2030

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

| Phase | Cost |
|-----------|---------|
| Plan | 9,122 |
| Permits | 2,537 |
| Design | 76,626 |
| Construct | 73,446 |
| Closeout | 206 |
| | 165,908 |

| FY 21 | FY 22 | FY 23 | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | | | | | | | | | |
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EXPENDITURE SCHEDULE

(in thousands \$)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|---|----------------|----------------------|--------------|------------|------------|------------|--------------|---------------|----------------|
| Project | FY20 | FY21 | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 26154001-Guadalupe Rv—Upr, Fish Passage Mods | 2,651 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,651 |
| with inflation | 2,651 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,651 |
| 26154002-Guadalupe Rv—Upr, I-280 to SPRR (R6) | 33,401 | 209 | 1,600 | 30 | 30 | 30 | 30 | 2,245 | 37,575 |
| with inflation | 33,401 | 209 | 1,657 | 33 | 34 | 36 | 37 | 2,997 | 38,404 |
| 26154003-Guadalupe Rv—Upper, SPRR to Blossom Hill Rd. (R7-12) | 66,061 | 469 | 850 | 850 | 300 | 100 | 8,725 | 40,440 | 117,795 |
| with inflation | 66,061 | 469 | 888 | 928 | 342 | 119 | 10,634 | 48,834 | 128,276 |
| Actuals in closed project numbers | 7,887 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7,887 |
| with inflation | 7,887 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7,887 |
| TOTAL | 110,000 | 678 | 2,450 | 880 | 330 | 130 | 8,755 | 42,685 | 165,908 |
| with inflation | 110,000 | 678 | 2,545 | 961 | 377 | 155 | 10,671 | 51,831 | 177,218 |

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands \$)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|---|----------------|-------------|---------------|--------------------------|-----------|-----------|-----------|-----------|---------------|----------------|
| Project | FY20 | FY21 | | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 26154001-Guadalupe Rv—Upr, Fish Passage Mods | 2,651 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,651 |
| 26154002-Guadalupe Rv—Upr, I-280 to SPRR (R6) | 34,705 | 0 | 1,095 | 562 | 33 | 34 | 36 | 37 | 2,997 | 38,404 |
| 26154003-Guadalupe Rv—Upper, SPRR to Blossom Hill Rd. (R7-12) | 89,399 | 0 | 22,869 | 0 | 0 | 0 | 0 | 0 | 38,877 | 128,276 |
| Actuals in closed project numbers | 7,887 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7,887 |
| TOTAL | 134,642 | 0 | 23,964 | 562 | 33 | 34 | 36 | 37 | 41,874 | 177,218 |

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands \$)

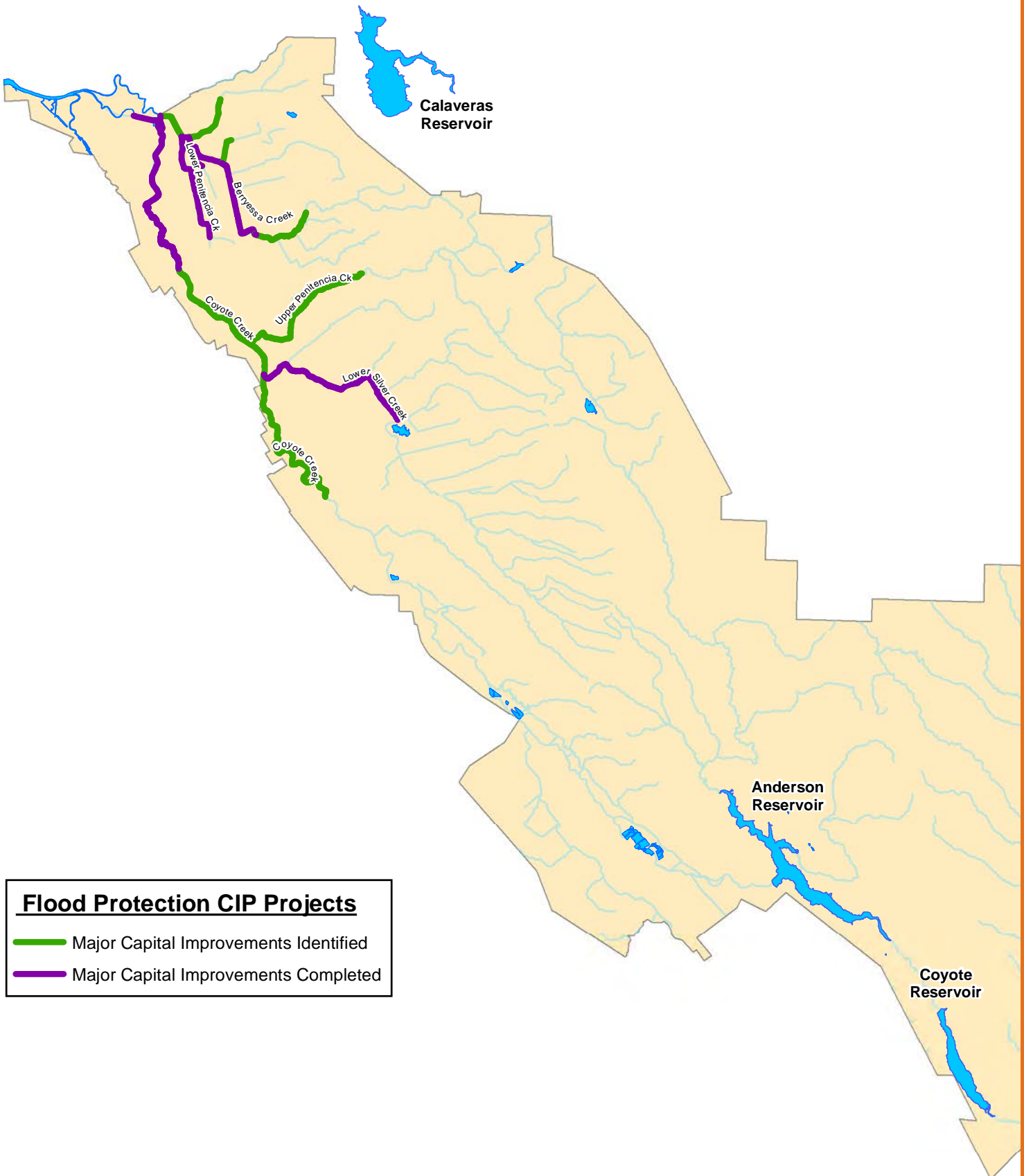
| | |
|--|----------------|
| SCVWD Watershed Stream Stewardship Fund | 12,000 |
| SCVWD Safe, Clean Water and Natural Flood Protection | 130,519 |
| State of California | 30,108 |
| City of San Jose | 4,591 |
| Total | 177,218 |
| USACE - In-kind Services | 188,000 |

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately \$360,000 per year, beginning in FY21, for mitigation and monitoring labor and equipment, implementation of adaptive management measures, and operations and maintenance in accordance with the USACE Operations and Maintenance Manual.

USEFUL LIFE: 30+ Years

Coyote Watershed



Flood Protection CIP Projects

- Major Capital Improvements Identified
- Major Capital Improvements Completed

| | |
|--------------------|---|
| Project | Berryessa Creek, Calaveras Boulevard to Interstate 680 |
| Program | Flood Protection – Coyote Watershed |
| Project No. | 26174041s |
| Contact | Rechelle Blank rblank@valleywater.org |



Berryessa Creek near flood stage at Piedmont Road in San Jose

PROJECT DESCRIPTION

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

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

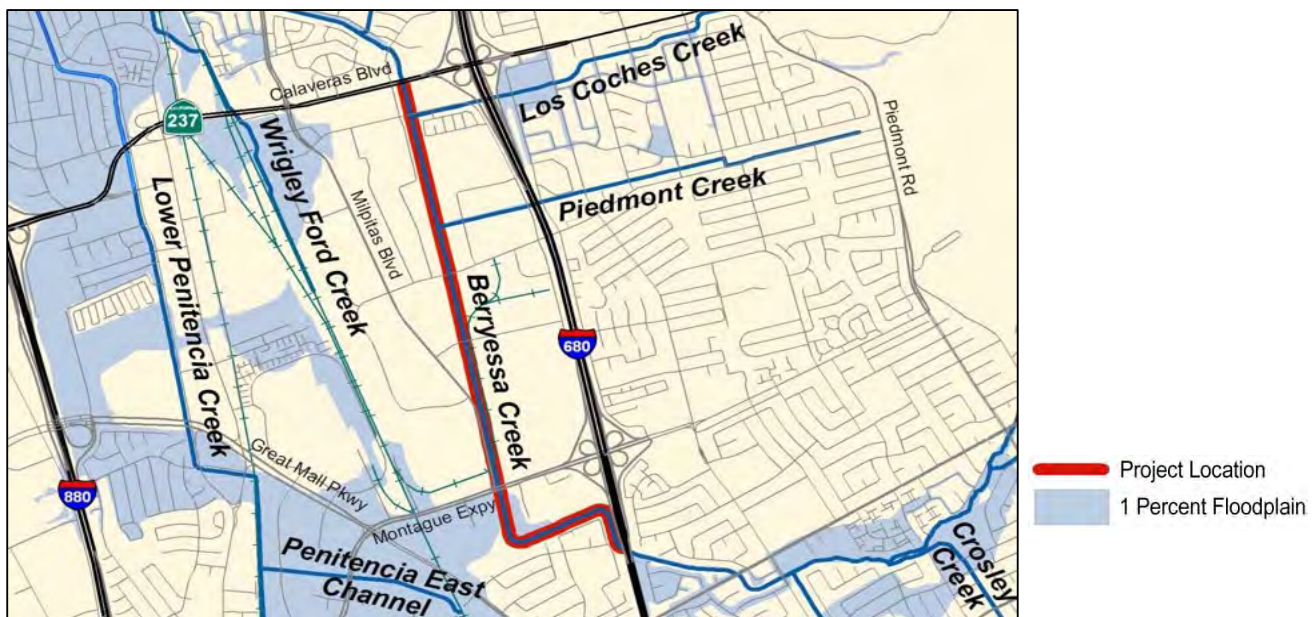
This project is accounted for in the following:

26174041 – Coordination with USACE

26174042 – Reimbursable work – Lands, Easements, Rights of Way, Relocations and Disposal

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

PROJECT LOCATION



SCHEDULE & STATUS

January 2000 to June 2021

| Phase | Cost | FY 21 | FY 22 | FY 23 | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 |
|-----------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Plan | 8,323 | | | | | | | | | | | |
| Permits | 1,561 | | | | | | | | | | | |
| Design | 11,554 | | | | | | | | | | | |
| Construct | 28,697 | | | | | | | | | | | |
| Closeout | 248 | | | | | | | | | | | |
| | 54,585 | | | | | | | | | | | |

EXPENDITURE SCHEDULE

(in thousands \$)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|--|-----------------|----------------------|----------|----------|----------|----------|----------|----------|---------------|
| Project | FY20 | FY21 | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 26174041-Berryessa Creek, USACE Coordination | 22,860 | 12,735 | 0 | 0 | 0 | 0 | 0 | 0 | 35,595 |
| with inflation | 22,860 | 12,735 | 0 | 0 | 0 | 0 | 0 | 0 | 35,595 |
| 26174042-Berryessa Creek, LERRDs | 17,557 | 1,433 | 0 | 0 | 0 | 0 | 0 | 0 | 18,990 |
| with inflation | 17,557 | 1,433 | 0 | 0 | 0 | 0 | 0 | 0 | 18,990 |
| TOTAL | 40,417 | 14,168 | 0 | 0 | 0 | 0 | 0 | 0 | 54,585 |
| with inflation | 40,417 | 14,168 | 0 | 0 | 0 | 0 | 0 | 0 | 54,585 |

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands \$)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|--|-------------|-------------|--------------|--------------------------|------|------|------|------|--------|--------|
| Project | FY20 | FY21 | | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 26174041-Berryessa Creek, USACE Coordination | 35,566 | 29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 35,595 |
| 26174042-Berryessa Creek, LERRDs | 18,987 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18,990 |
| TOTAL | 54,553 | 32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 54,585 |

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands \$)

| | |
|--|---------------|
| SCVWD Clean, Safe Creeks and Natural Flood Protection Fund | 18,985 |
| State of California | 25,600 |
| Department of Water Resources (Prop 1E) | 10,000 |
| Total | 54,585 |
| USACE - In-kind Services | 13,600 |

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately \$100,000 per year, beginning in FY20, to maintain approximately two miles of new levees and flood walls, and for activities such as vegetation control and graffiti removal.

USEFUL LIFE: 30+ Years

| | |
|--------------------|---|
| Project | Berryessa Creek, Lower Penitencia Creek to Calaveras Boulevard |
| Program | Flood Protection – Coyote Watershed |
| Project No. | 40174004s |
| Contact | Rechelle Blank rblank@valleywater.org |



Berryessa Creek upstream of the confluence with Lower Penitencia Creek

PROJECT DESCRIPTION

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

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

PROJECT LOCATION



SCHEDULE & STATUS

March 2001 to June 2030

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

| Phase | Cost | FY 21 | FY 22 | FY 23 | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 |
|-----------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Plan | 8,199 | | | | | | | | | | | |
| Permits | 2,265 | | | | | | | | | | | |
| Design | 21,408 | | | | | | | | | | | |
| Construct | 158,037 | | | | | | | | | | | |
| Closeout | 109 | | | | | | | | | | | |
| | 191,398 | | | | | | | | | | | |

EXPENDITURE SCHEDULE

(in thousands \$)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|--|-----------------|----------------------|---------------|------------|------------|------------|--------------|---------------|----------------|
| Project | FY20 | FY21 | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 40174004-Berryessa Creek, Lower Penitencia Creek to Calaveras Boulevard Phase 1 | 46,747 | 105 | 100 | 0 | 0 | 0 | 0 | 0 | 46,952 |
| with inflation | 46,747 | 105 | 105 | 0 | 0 | 0 | 0 | 0 | 46,957 |
| 40174005-Berryessa Creek, Lower Penitencia Creek to Calaveras Boulevard Phase 2 | 60,084 | 12,391 | 11,910 | 810 | 330 | 230 | 0 | 0 | 85,755 |
| with inflation | 60,084 | 12,391 | 12,288 | 885 | 377 | 274 | 0 | 0 | 86,299 |
| 40C40397-Berryessa Creek, Lower Penitencia Creek to Calaveras Boulevard Phase 3 | 0 | 0 | 0 | 0 | 0 | 0 | 1,690 | 52,401 | 54,091 |
| with inflation | 0 | 0 | 0 | 0 | 0 | 0 | 2,106 | 65,055 | 67,161 |
| 26C40420-Phase 3 Planning/Design (only) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4,600 | 4,600 |
| with inflation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8,194 | 8,194 |
| TOTAL | 106,831 | 12,496 | 12,010 | 810 | 330 | 230 | 1,690 | 57,001 | 191,398 |
| with inflation | 106,831 | 12,496 | 12,393 | 885 | 377 | 274 | 2,106 | 73,250 | 208,611 |

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands \$)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|---|-------------|-------------|--------------|--------------------------|------|------|------|-------|--------|---------|
| Project | FY20 | FY21 | | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 40174004-Berryessa Creek, Lower Penitencia Creek to Calaveras Boulevard Phase 1 | 50,191 | 0 | 3,339 | 0 | 0 | 0 | 0 | 0 | 0 | 50,191 |
| 40174005-Berryessa Creek, Lower Penitencia Creek to Calaveras Boulevard Phase 2 | 62,075 | 10,715 | 315 | 11,973 | 885 | 377 | 274 | 0 | 0 | 86,299 |
| 40C40397-Berryessa Creek, Lower Penitencia Creek to Calaveras Boulevard Phase 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,106 | 65,055 | 67,161 |
| 26C40420-Phase 3 Planning/Design (only) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8,194 | 8,194 |
| TOTAL | 112,266 | 10,715 | 3,654 | 11,973 | 885 | 377 | 274 | 2,106 | 73,250 | 211,846 |

Adjusted Budget includes adopted budget plus approved budget adjustments. Allocated funding exceeds planned expenditures by approximately \$3,235,000. Excess funds will be returned to Fund Reserves at the close of the project.

FUNDING SOURCES

(in thousands \$)

| | |
|---|----------------|
| SCVWD Watershed Stream Stewardship Fund | 196,846 |
| Safe, Clean Water Fund Measure S | 8,194 |
| Department of Water Resources (Prop 1E) | 15,000 |
| Total | 211,846 |

OPERATING COST IMPACTS

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

USEFUL LIFE: 30+ Years

| | |
|--------------------|--|
| Project | Coyote Creek, Montague Expressway to Tully Road |
| Program | Flood Protection – Coyote Watershed |
| Project No. | 26174043 |
| Contact | Rechelle Blank rblank@valleywater.org |



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

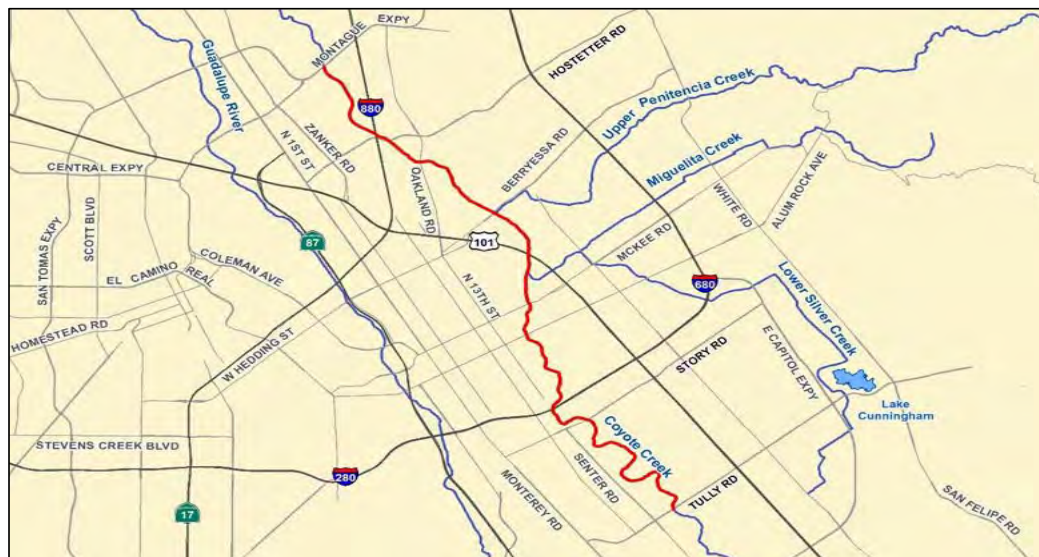
PROJECT DESCRIPTION

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

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

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

PROJECT LOCATION



 Project Location

SCHEDULE & STATUS

November 2017 to June 2026

| Phase | Cost | FY 21 | FY 22 | FY 23 | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 |
|-----------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Plan | 9,723 | | | | | | | | | | | |
| Permits | 1,516 | | | | | | | | | | | |
| Design | 15,695 | | | | | | | | | | | |
| Construct | 30,320 | | | | | | | | | | | |
| Closeout | 106 | | | | | | | | | | | |
| | 57,852 | | | | | | | | | | | |

EXPENDITURE SCHEDULE

(in thousands \$)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|--|--------------|----------------------|-------|-------|--------|--------|-------|--------|--------|
| Project | FY20 | FY21 | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 26174043-Coyote Creek, Montague Expressway to Tully Road | 14,234 | 472 | 3,948 | 6,100 | 10,018 | 19,780 | 3,300 | 0 | 57,852 |
| with inflation | 14,234 | 472 | 4,126 | 6,661 | 11,166 | 22,382 | 3,895 | 0 | 62,936 |

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands \$)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|--|-------------|-------------|--------------|--------------------------|-------|--------|--------|--------|---|--------|
| Project | FY20 | FY21 | FY22 | FY23 | FY24 | FY25 | FY26 | Future | | |
| 26174043-Coyote Creek, Montague Expressway to Tully Road | 15,035 | 2,199 | 2,528 | 1,598 | 6,661 | 11,166 | 22,382 | 3,895 | 0 | 62,936 |

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands \$)

| | |
|--|---------------|
| SCVWD Clean, Safe Creeks and Natural Flood Protection Fund | 62,936 |
| Other Funding Sources | 0 |
| Total | 62,936 |

OPERATING COST IMPACTS

Currently Valley Water has limited and sporadic property rights within the project limits along the creek, and ongoing maintenance costs are relatively small. Project implementation may include acquisition of continuous right of way for construction and future operations and maintenance. This project is expected to increase operating costs by approximately \$1,000,000 per year starting in FY27.

USEFUL LIFE: 30+ Years

| | |
|--------------------|---|
| Project | Cunningham Flood Detention Certification |
| Program | Flood Protection – Coyote Watershed |
| Project No. | 40264011 |
| Contact | Rechelle Blank rblank@valleywater.org |



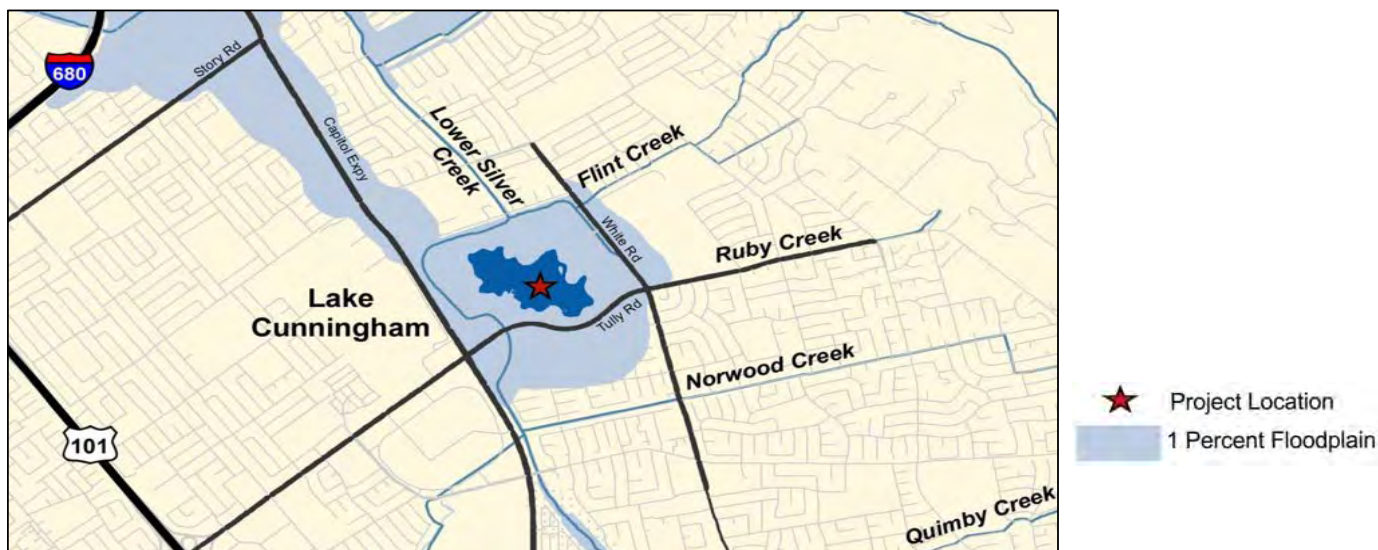
Flooding from Lower Silver Creek in February 1969 at the future site of Lake Cunningham Regional Park

PROJECT DESCRIPTION

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

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

PROJECT LOCATION



SCHEDULE & STATUS

August 1999 to June 2022

| Phase | Cost | FY 21 | FY 22 | FY 23 | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 |
|-----------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Plan | 2,323 | | | | | | | | | | | |
| Permits | 369 | | | | | | | | | | | |
| Design | 2,288 | | | | | | | | | | | |
| Construct | 6,721 | | | | | | | | | | | |
| Closeout | 12 | | | | | | | | | | | |
| | 11,837 | | | | | | | | | | | |

EXPENDITURE SCHEDULE

(in thousands \$)

| | Actuals Thru | Planned Expenditures | | | | | | | | Total |
|---|--------------|----------------------|------|------|------|------|------|--------|---|--------|
| Project | FY20 | FY21 | FY22 | FY23 | FY24 | FY25 | FY26 | Future | | |
| 40264011-Cunningham Flood Detention Certification | 11,763 | 44 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 11,837 |
| with inflation | 11,763 | 44 | 31 | 0 | 0 | 0 | 0 | 0 | 0 | 11,838 |

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands \$)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|---|-------------|-------------|--------------|--------------------------|------|------|------|--------|---|--------|
| Project | FY20 | FY21 | FY22 | FY23 | FY24 | FY25 | FY26 | Future | | |
| 40264011-Cunningham Flood Detention Certification | 11,806 | 4 | 3 | 28 | 0 | 0 | 0 | 0 | 0 | 11,838 |

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands \$)

| | |
|--|---------------|
| SCVWD Watershed Stream Stewardship Fund | 8,120 |
| California Department of Water Resources | 1,000 |
| Natural Resource Conservation Service | 2,718 |
| Total | 11,838 |

OPERATING COST IMPACTS

The project is within Valley Water jurisdiction and it is designed to minimize maintenance activities such as sediment removal. Operating costs are expected to be approximately \$60,000 per year starting in FY20.

USEFUL LIFE: 30+ Years

| | |
|--------------------|--|
| Project | Lower Penitencia Creek Improvements, Berryessa to Coyote Creeks |
| Program | Flood Protection – Coyote Watershed |
| Project No. | 40334005 |
| Contact | Rechelle Blank rblank@valleywater.org |



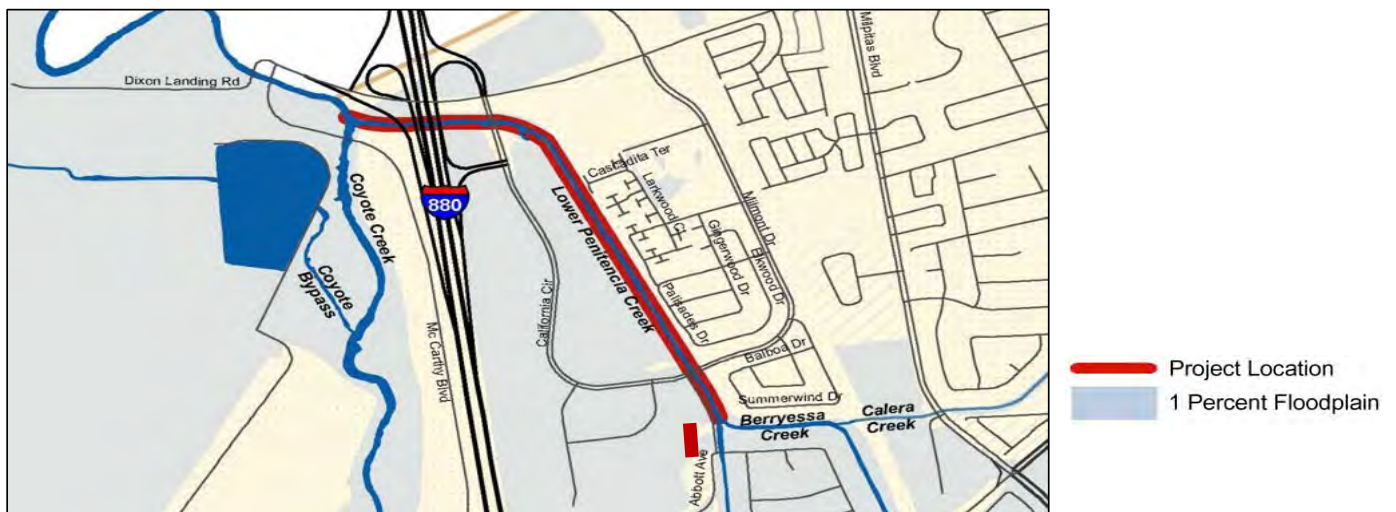
Lower Penitencia Creek, looking downstream from Milmont Drive

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements along approximately one mile of Lower Penitencia Creek from the downstream confluence with Coyote Creek to the upstream face of San Andreas Drive, to accomplish the following objectives:

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

PROJECT LOCATION



SCHEDULE & STATUS

October 2010 to January 2024

| Phase | Cost | FY 21 | FY 22 | FY 23 | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 |
|-----------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Plan | 3,574 | | | | | | | | | | | |
| Permits | 1,131 | | | | | | | | | | | |
| Design | 5,010 | | | | | | | | | | | |
| Construct | 17,476 | | | | | | | | | | | |
| Closeout | 20 | | | | | | | | | | | |
| | 27,399 | | | | | | | | | | | |

EXPENDITURE SCHEDULE

(in thousands \$)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|--|--------------|----------------------|-------|-------|------|------|------|--------|--------|
| Project | FY20 | FY21 | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 40334005-Lower Penitencia Creek Improvements, Berryessa to Coyote Creeks | 9,651 | 1,878 | 7,500 | 7,550 | 550 | 270 | 0 | 0 | 27,399 |
| with inflation | 9,651 | 1,878 | 7,733 | 7,811 | 628 | 322 | 0 | 0 | 28,022 |

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands \$)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|--|-------------|-------------|--------------|--------------------------|-------|------|------|------|--------|--------|
| Project | FY20 | FY21 | | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 40334005-Lower Penitencia Creek Improvements, Berryessa to Coyote Creeks | 11,287 | 7,745 | 7,503 | 230 | 7,811 | 628 | 322 | 0 | 0 | 28,022 |

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands \$)

| | |
|---|---------------|
| SCVWD Watershed Stream Stewardship Fund | 23,022 |
| Department of Water Resources (Prop 1E) | 5,000 |
| Total | 28,022 |

OPERATING COST IMPACTS

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

USEFUL LIFE: 50 Years

| | |
|--------------------|---|
| Project | Lower Silver Creek, I-680 to Cunningham Avenue (R4-6) Flood Protection Project |
| Program | Flood Protection – Coyote Watershed |
| Project No. | 40264008s |
| Contact | Rechelle Blank rblank@valleywater.org |



Lower Silver Creek looking upstream from Capital Expressway

PROJECT DESCRIPTION

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

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

This project is accounted for in the following:

- 40264007 Lower Silver Creek, I-680 to N. Babb Creek (Reach 4 Planning) - Completed
- 40264008 Lower Silver Creek, I-680 to Cunningham Rd. (Reaches 4-6)
- 40264012 Lower Silver Creek (Reaches 4-6) Reimbursable

PROJECT LOCATION



SCHEDULE & STATUS

August 2008 to June 2023

Planning and Design phases are complete

| Phase | Cost |
|-----------|--------|
| Plan | 6,308 |
| Permits | 220 |
| Design | 10,923 |
| Construct | 82,180 |
| Closeout | 71 |

101,771

| FY 21 | FY 22 | FY 23 | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | | | | | | | | | |
| | | | | | | | | | | |
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| | | | | | | | | | | |
| | | | | | | | | | | |

EXPENDITURE SCHEDULE

(in thousands \$)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|--|--------------|----------------------|------|------|------|------|------|--------|---------|
| Project | FY20 | FY21 | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 40264007-Lower Silver Creek, Reach 4 Planning | 2,371 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,371 |
| with inflation | 2,371 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,371 |
| 40264008-Lower Silver Ck, Nonreimbursable (R4-6) | 94,581 | 2,567 | 50 | 50 | 0 | 0 | 0 | 0 | 97,248 |
| with inflation | 94,581 | 2,567 | 52 | 55 | 0 | 0 | 0 | 0 | 97,255 |
| 40264012-Lower Silver Creek, LERRDs (R4-6) | 1,928 | 224 | 0 | 0 | 0 | 0 | 0 | 0 | 2,152 |
| with inflation | 1,928 | 224 | 0 | 0 | 0 | 0 | 0 | 0 | 2,152 |
| TOTAL | 98,880 | 2,791 | 50 | 50 | 0 | 0 | 0 | 0 | 101,771 |
| with inflation | 98,880 | 2,791 | 52 | 55 | 0 | 0 | 0 | 0 | 101,778 |

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands \$)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|--|----------------|----------------|-----------------|--------------------------|------|------|------|------|--------|---------|
| Project | FY20 | FY21 | | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 40264007-Lower Silver Creek, Reach 4 Planning | 2,371 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,371 |
| 40264008-Lower Silver Ck, Nonreimbursable (R4-6) | 97,005 | 167 | 24 | 28 | 55 | 0 | 0 | 0 | 0 | 97,255 |
| 40264012-Lower Silver Creek, LERRDs (R4-6) | 2,912 | 0 | 760 | 0 | 0 | 0 | 0 | 0 | 0 | 2,912 |
| TOTAL | 102,288 | 167 | 784 | 28 | 55 | 0 | 0 | 0 | 0 | 102,538 |

Adjusted Budget includes adopted budget plus approved budget adjustments. Funding exceeds planned expenditures by approximately \$760,000. Excess funding will be returned to reserves upon completion of the project.

FUNDING SOURCES

(in thousands \$)

| | |
|--|----------------|
| SCVWD Watershed Stream Stewardship Fund | 49,122 |
| State of California | 8,740 |
| Natural Resource Conservation Service - ARRA | 20,676 |
| California Department of Water Resources | 24,000 |
| Total | 102,538 |

OPERATING COST IMPACTS

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

USEFUL LIFE: 50+ Years

July 2000 to June 2028

[illegible]

(in thousands \$)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|---|-----------------|----------------------|--------------|------------|--------------|--------------|--------------|--------------|---------------|
| Project | FY20 | FY21 | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 40324003-Upper Penitencia Ck, Coyote Ck to Dorel Dr, USACE | 9,467 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9,467 |
| with inflation | 9,467 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9,467 |
| 40324005-Upper Penitencia Ck, Coyote Ck to Dorel Dr, LERRDs | 2,309 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,309 |
| with inflation | 2,309 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,309 |
| 26324001-Upper Penitencia Ck, Coyote Ck to Dorel Dr | 1,172 | 4,929 | 2,516 | 200 | 1,811 | 1,341 | 3,779 | 7,224 | 22,972 |
| with inflation | 1,172 | 4,929 | 2,629 | 218 | 2,067 | 1,599 | 4,449 | 8,573 | 25,636 |
| TOTAL | 12,948 | 4,929 | 2,516 | 200 | 1,811 | 1,341 | 3,779 | 7,224 | 34,748 |
| with inflation | 12,948 | 4,929 | 2,629 | 218 | 2,067 | 1,599 | 4,449 | 8,573 | 37,412 |

Actuals include project expenditures, and encumbrances.

(in thousands \$)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|---|---------------|--------------|--------------|--------------------------|------------|--------------|--------------|--------------|--------------|---------------|
| Project | FY20 | FY21 | | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 40324003-Upper Penitencia Ck, Coyote Ck to Dorel Dr, USACE | 9,466 | 0 | -1 | 1 | 0 | 0 | 0 | 0 | 0 | 9,467 |
| 40324005-Upper Penitencia Ck, Coyote Ck to Dorel Dr, LERRDs | 4,831 | 0 | 2,522 | 0 | 0 | 0 | 0 | 0 | 0 | 4,831 |
| 26324001-Upper Penitencia Ck, Coyote Ck to Dorel Dr | 4,719 | 3,898 | 2,516 | 113 | 218 | 2,067 | 1,599 | 4,449 | 8,573 | 25,636 |
| TOTAL | 19,016 | 3,898 | 5,037 | 114 | 218 | 2,067 | 1,599 | 4,449 | 8,573 | 39,934 |

Adjusted Budget includes adopted budget plus approved budget adjustments.

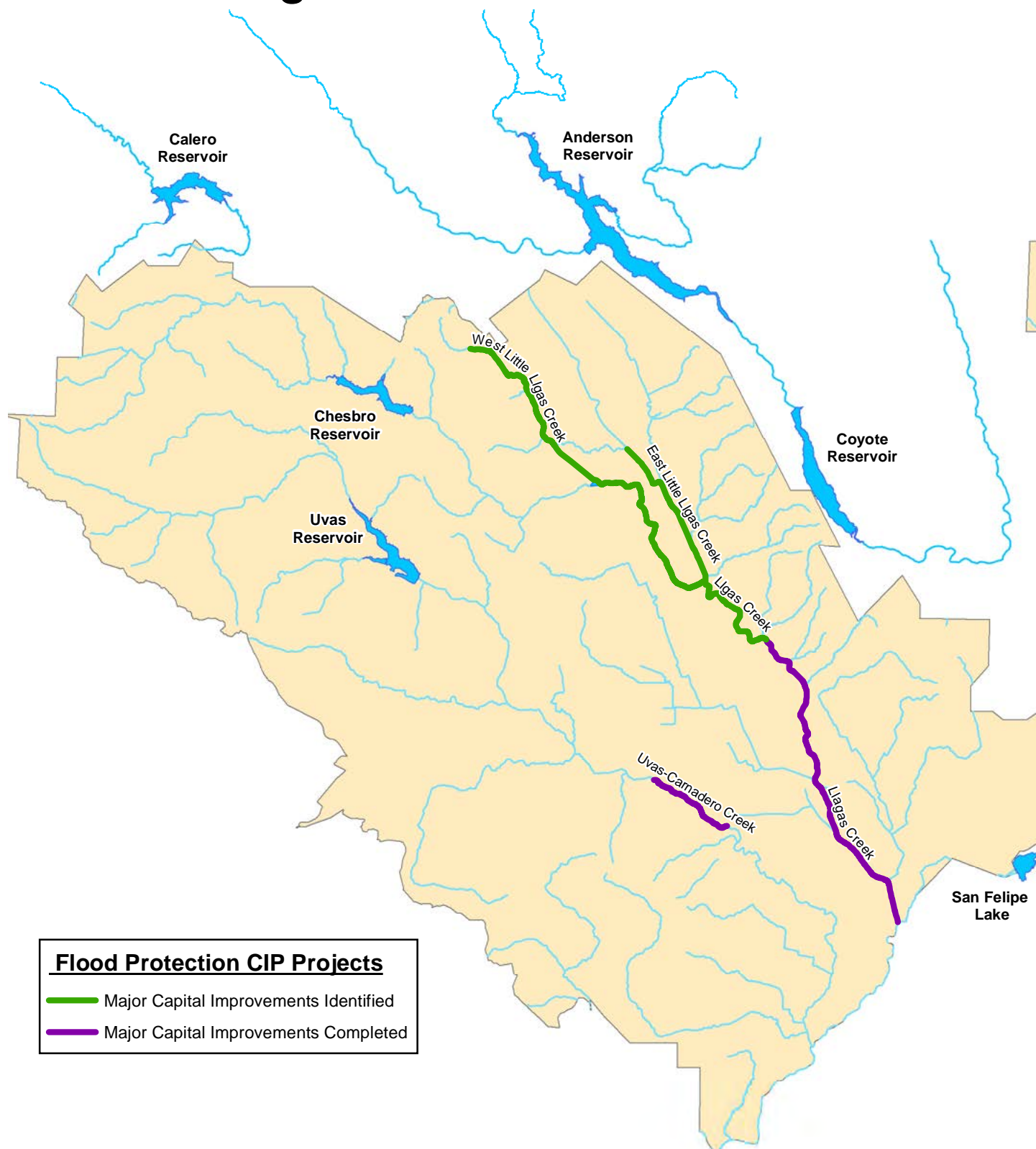
(in thousands \$)

| | |
|---|---------------|
| SCVWD Watershed Stream Stewardship Fund | 14,298 |
| SCVWD Safe, Clean Water Fund | 25,636 |
| Total | 39,934 |
| USACE - In-kind Services | 102,720 |

Operating costs are expected to average \$790,000 per year beginning in FY25.

USEFUL LIFE: Not Available

Uvas/Llagas Watersheds



| | |
|--------------------|---|
| Project | Llagas Creek–Lower, Capacity Restoration, Buena Vista Avenue to Pajaro River |
| Program | Flood Protection – Uvas/Llagas Watershed |
| Project No. | 50284010 |
| Contact | Rechelle Blank rblank@valleywater.org |



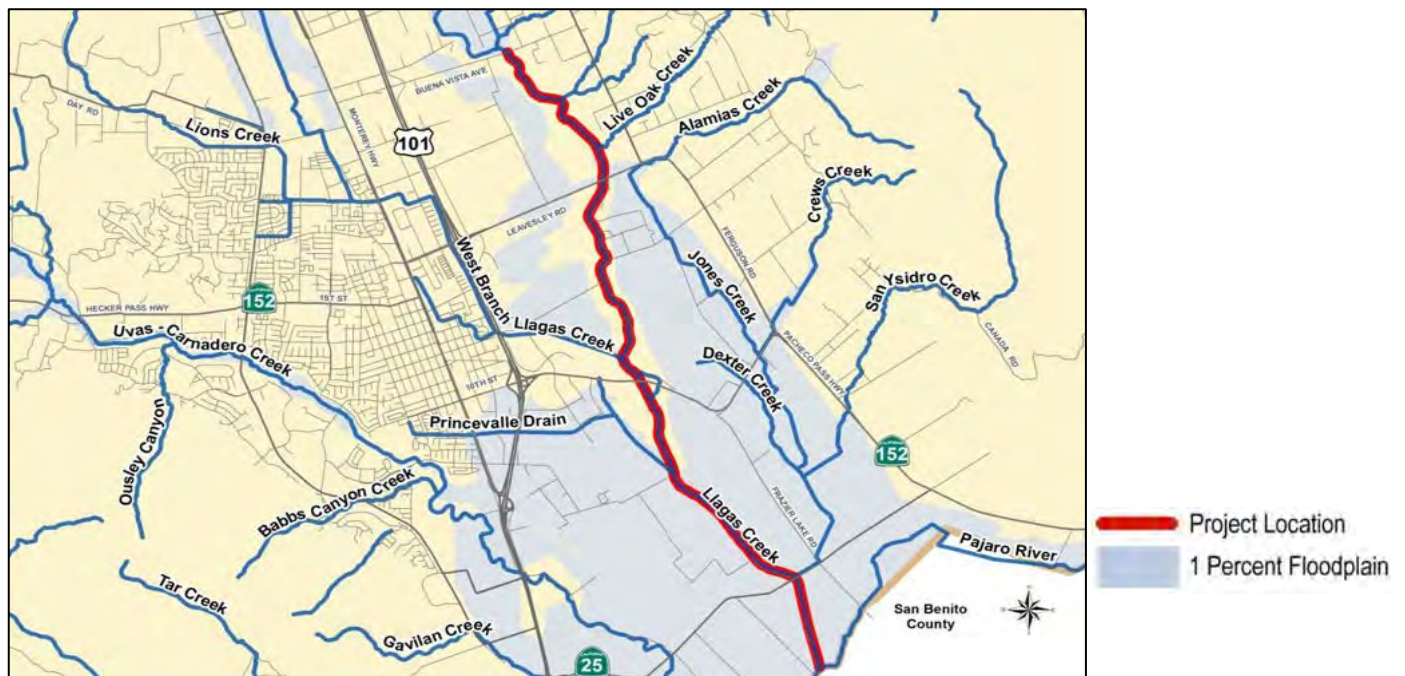
Lower Llagas Creek near Pajaro River

PROJECT DESCRIPTION

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

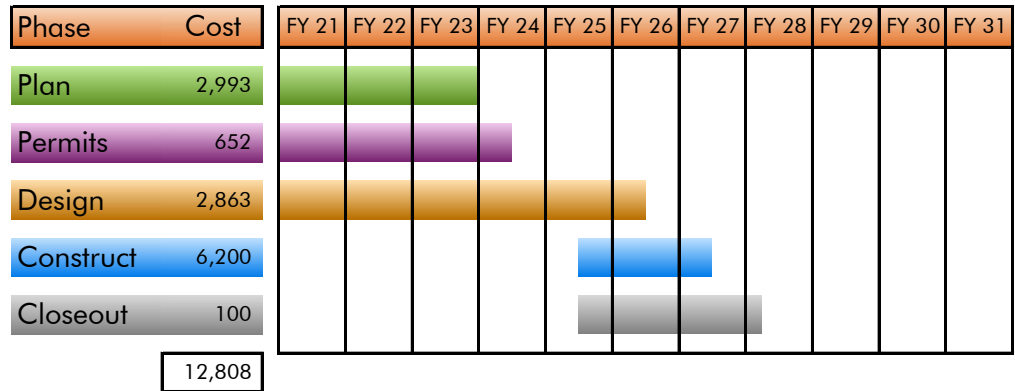
- ♦ Evaluate the current flood risk in the area surrounding the project versus the design level flood risk.
- ♦ Develop options to provide flood protection for Lower Llagas Creek Reaches 2 and 3 in accordance with Federal Emergency Management Agency criteria where applicable.
- ♦ Identify feasible opportunities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

PROJECT LOCATION



SCHEDULE & STATUS

September 2008 to July 2027



EXPENDITURE SCHEDULE

(in thousands \$)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|---|--------------|----------------------|------|-------|-------|-------|-------|--------|--------|
| Project | FY20 | FY21 | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 50284010-Llagas Creek-Lower, Capacity Restoration, Buena Vista Avenue to Pajaro River | 3,323 | 861 | 124 | 1,250 | 950 | 3,000 | 3,000 | 300 | 12,808 |
| with inflation | 3,323 | 861 | 130 | 1,365 | 1,084 | 3,423 | 3,462 | 391 | 14,038 |

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands \$)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|---|-------------|-------------|--------------|--------------------------|------|------|-------|-------|--------|--------|
| Project | FY20 | FY21 | | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 50284010-Llagas Creek-Lower, Capacity Restoration, Buena Vista Avenue to Pajaro River | 6,947 | 0 | 2,763 | 0 | 0 | 0 | 3,239 | 3,462 | 391 | 14,038 |

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands \$)

| | |
|---|---------------|
| SCVWD Watershed Stream Stewardship Fund | 12,918 |
| State of California | 1,120 |
| Total | 14,038 |

OPERATING COST IMPACTS

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

USEFUL LIFE: 30+ Years

| | |
|--------------------|---|
| Project | Llagas Creek–Upper, Buena Vista Avenue to Llagas Road (E6) |
| Program | Flood Protection – Uvas/Llagas Watershed |
| Project No. | 26174051s |
| Contact | Rechelle Blank rblank@valleywater.org |



Llagas Creek floods at Watsonville Road and the surrounding area

PROJECT DESCRIPTION

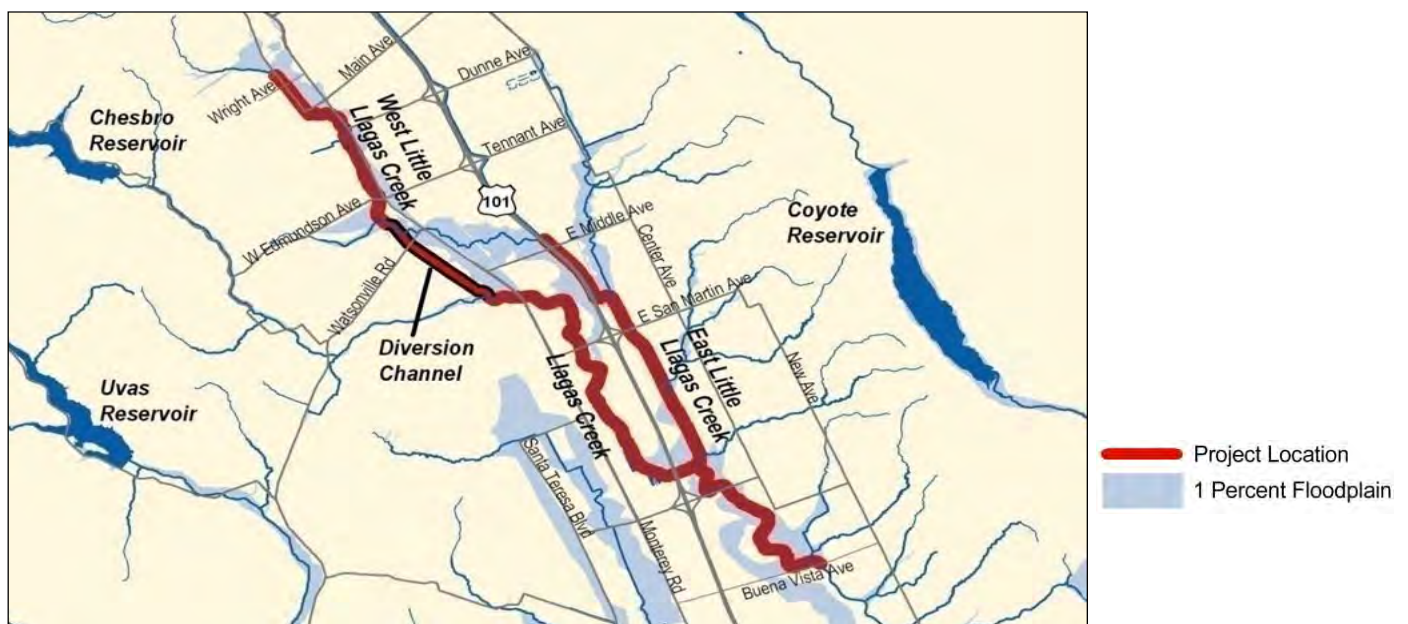
This project continues a Clean, Safe Creeks project in partnership with the U.S. Army Corps of Engineers (USACE) and the state to plan, design, and construct improvements along 13.9 miles of channel. The project extends from Buena Vista Avenue to Llagas Road, including West Little Llagas Creek in downtown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

This project is accounted for in the following:

- ♦ 26174051 - Reaches 4-8 & 14 - Reimbursable - Lands, Easements, Rights of Way, Relocation, & Disposal
- ♦ 26174052 - Reaches 4-8 & 14 - Construction/Coordination with USACE
- ♦ 26174053 - Technical Studies (completed)
- ♦ 26174054 - Design
- ♦ 50C40335 - Construction, Reach 5, 6, & 7b

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

PROJECT LOCATION



SCHEDULE & STATUS

July 2000 to June 2026

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

| Phase | Cost | FY 21 | FY 22 | FY 23 | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 |
|-----------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Plan | 3,729 | | | | | | | | | | | |
| Permits | 6,536 | | | | | | | | | | | |
| Design | 64,455 | | | | | | | | | | | |
| Construct | 238,346 | | | | | | | | | | | |
| Closeout | 620 | | | | | | | | | | | |
| | 324,692 | | | | | | | | | | | |

EXPENDITURE SCHEDULE

(in thousands \$)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|---|----------------|----------------------|---------------|---------------|---------------|---------------|--------------|----------|----------------|
| Project | FY20 | FY21 | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 26174051-Llagas Ck—Upper, LERRDs | 42,335 | 2,623 | 20 | 20 | 20 | 20 | 0 | 0 | 45,038 |
| with inflation | 42,335 | 2,623 | 21 | 22 | 23 | 24 | 0 | 0 | 45,047 |
| 26174052-Llagas Ck—Upper, USACE Coordination | 49,686 | 47,226 | 56,690 | 55,250 | 31,400 | 8,886 | 250 | 0 | 249,388 |
| with inflation | 49,686 | 47,226 | 59,398 | 57,413 | 32,386 | 9,242 | 312 | 0 | 255,662 |
| 26174053-Llagas Ck—Upper, Technical Studies | 1,446 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,446 |
| with inflation | 1,446 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,446 |
| 26174054-Llagas Ck—Upper, Design | 21,864 | 1,856 | 900 | 1,050 | 1,050 | 1,150 | 950 | 0 | 28,820 |
| with inflation | 21,864 | 1,856 | 941 | 1,147 | 1,198 | 1,371 | 1,184 | 0 | 29,561 |
| 50C40335-Llagas Ck—Upper, Construction Rch 5, 6, & 7b | 17,510 | 6,180 | 0 | 0 | 0 | 0 | 0 | 0 | 23,690 |
| with inflation | 17,510 | 6,180 | 0 | 0 | 0 | 0 | 0 | 0 | 23,690 |
| TOTAL | 132,841 | 57,885 | 57,610 | 56,320 | 32,470 | 10,056 | 1,200 | 0 | 324,692 |
| with inflation | 132,841 | 57,885 | 60,359 | 58,582 | 33,607 | 10,637 | 1,495 | 0 | 331,716 |

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands \$)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|---|-------------|-------------|--------------|--------------------------|--------|--------|-------|-------|--------|---------|
| Project | FY20 | FY21 | | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 26174051-Llagas Ck—Upper, LERRDs | 45,040 | 0 | 82 | 0 | 0 | 0 | 7 | 0 | 0 | 45,047 |
| 26174052-Llagas Ck—Upper, USACE Coordination | 50,636 | 47,476 | 1,200 | 58,198 | 57,413 | 32,386 | 9,242 | 312 | 0 | 255,662 |
| 26174053-Llagas Ck—Upper, Technical Studies | 1,446 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,446 |
| 26174054-Llagas Ck—Upper, Design | 28,193 | 0 | 4,473 | 0 | 0 | 0 | 184 | 1,184 | 0 | 29,561 |
| 50C40335-Llagas Ck—Upper, Construction Rch 5, 6, & 7b | 17,510 | 6,180 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23,690 |
| TOTAL | 142,825 | 53,656 | 5,755 | 58,198 | 57,413 | 32,386 | 9,433 | 1,495 | 0 | 331,716 |

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

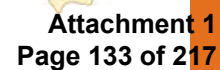
(in thousands \$)

| | |
|--|----------------|
| SCVWD Clean, Safe Creeks and Natural Flood Protection Fund | 17,900 |
| SCVWD Safe Clean Water Program Fund | 206,785 |
| Watershed Stream Stewardship Fund | 23,690 |
| State of California | 39,394 |
| City of Morgan Hill | 3,341 |
| NRCS Grants (Unsecured) | 80,000 |
| Total | 331,716 |
| USACE - In-kind Services | 65,000 |

OPERATING COST IMPACTS

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

USEFUL LIFE: 50+ Years



| | |
|--------------------|--|
| Project | San Francisco Bay Shoreline (E7) |
| Program | Flood Protection – Multiple Watersheds |
| Project No. | 00044026s |
| Contact | Rechelle Blank rblank@valleywater.org |



Typical natural tidal marshland in San Francisco Bay near the Shoreline project area

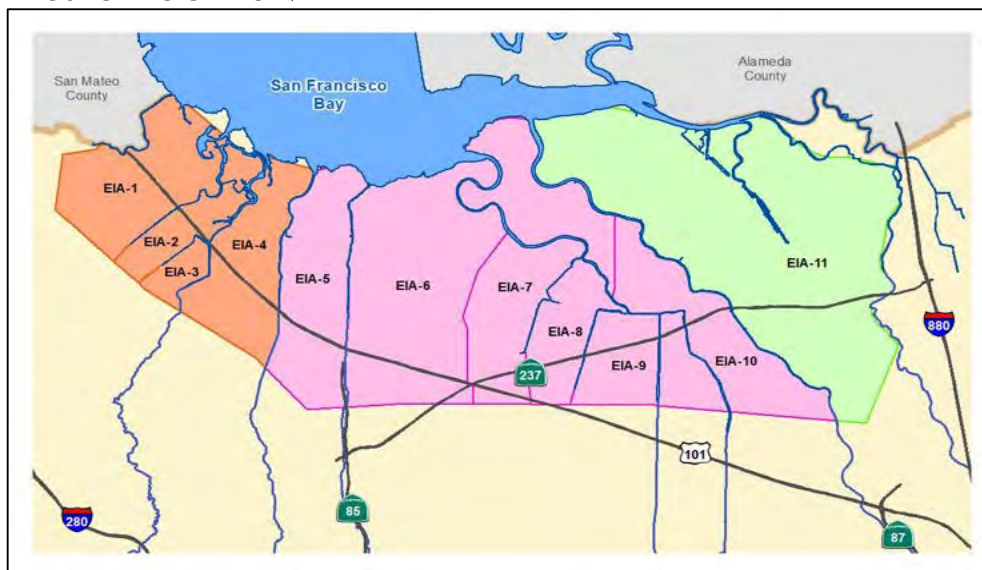
PROJECT DESCRIPTION

This project partners with the California Coastal Conservancy, U.S. Army Corps of Engineers (USACE) and key stakeholders to conduct an integrated, multi-objective project along the San Francisco Bay Shoreline. Project number 00044026 funded the USACE Feasibility Study effort for the North San Jose area, known as Economic Impact Area 11 (EIA 11) which was completed in FY17.; this project number will continue to fund other Shoreline efforts outside of the Safe, Clean Water (SCW) project numbers. For EIA 11, Shoreline Project received \$177M under the USACE FY 2018 Disaster Supplemental Appropriations Bill. Valley Water's share of EIA 11 design and construction is \$46.8M. Valley Water has been awarded a total of \$61 million from a Measure AA grant to partially fund the design and construction of EIA 11. SCW funds will provide \$15 million toward Valley Water's cost share of the design and partial construction efforts for EIA 11. SCW funds will provide for a portion of and \$5 million toward the Valley Water's cost share of the planning, and design and construction phases efforts for project number 26444002 for of the Palo Alto-Mountain View area, known as EIA 1-4 (under project number 26444002) the remaining EIAs and planning and design phases of project number 26444004 for the area from Mountain View-Sunnyvale-San Jose area, known as EIA 5. The Shoreline Project will accomplish the following objectives:

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

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

PROJECT LOCATION



SCHEDULE & STATUS

July 2005 to June 2026

| Phase | Cost | FY 21 | FY 22 | FY 23 | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 |
|-----------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Plan | 22,132 | | | | | | | | | | | |
| Permits | 1,195 | | | | | | | | | | | |
| Design | 49,186 | | | | | | | | | | | |
| Construct | 134,330 | | | | | | | | | | | |
| Closeout | 200 | | | | | | | | | | | |
| | 207,336 | | | | | | | | | | | |

EXPENDITURE SCHEDULE

(in thousands \$)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|--|-----------------|----------------------|---------------|--------------|---------------|--------------|--------------|---------------|----------------|
| Project | FY20 | FY21 | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 00044026-San Francisco Bay Shoreline | 20,379 | 77,775 | 21,007 | 1,572 | 30,572 | 100 | 100 | 0 | 151,505 |
| with inflation | 20,379 | 77,775 | 21,648 | 1,717 | 33,483 | 119 | 125 | 0 | 155,245 |
| 62044042-Shoreline Early Implementation | 359 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 359 |
| with inflation | 359 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 359 |
| 26444001-EIA 11 Design & Part Construction | 17,492 | 23 | 0 | 0 | 0 | 0 | 0 | 0 | 17,515 |
| with inflation | 17,492 | 23 | 0 | 0 | 0 | 0 | 0 | 0 | 17,515 |
| 26444002 - EIAs 1-4 | 3,003 | 754 | 1,300 | 1,684 | 2,591 | 1,025 | 5,200 | 10,400 | 25,957 |
| with inflation | 3,003 | 754 | 1,359 | 1,839 | 2,957 | 1,222 | 6,480 | 13,848 | 31,462 |
| 26444004 - EIAs 5-10 | 0 | 0 | 1,000 | 1,000 | 1,000 | 3,000 | 3,000 | 3,000 | 12,000 |
| with inflation | 0 | 0 | 1,045 | 1,092 | 1,141 | 3,578 | 3,739 | 3,907 | 14,501 |
| TOTAL | 41,233 | 78,552 | 23,307 | 4,256 | 34,163 | 4,125 | 8,300 | 13,400 | 207,336 |
| with inflation | 41,233 | 78,552 | 23,006 | 3,556 | 36,440 | 1,342 | 6,605 | 17,755 | 219,082 |

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands \$)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|--|----------------|----------------|-----------------|--------------------------|--------------|---------------|--------------|---------------|---------------|----------------|
| Project | FY20 | FY21 | | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 00044026-San Francisco Bay Shoreline | 49,843 | 48,311 | 0 | 21,648 | 1,717 | 33,483 | 119 | 125 | 0 | 155,245 |
| 62044042-Shoreline Early Implementation | 359 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 359 |
| 26444001-EIA 11 Design & Part Construction | 17,510 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17,510 |
| 26444002 - EIAs 1-4 | 3,757 | 0 | 0 | 1,359 | 1,839 | 2,957 | 1,222 | 6,480 | 13,848 | 31,462 |
| 26444004 - EIAs 5-10 | 0 | 0 | 0 | 1,045 | 1,092 | 1,141 | 3,578 | 3,739 | 3,907 | 14,501 |
| TOTAL | 71,469 | 48,316 | 0 | 24,051 | 4,648 | 37,581 | 4,919 | 10,343 | 17,755 | 219,082 |

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands \$)

| | |
|--|----------------|
| SCVWD Watershed Stream Stewardship Fund | 33,380 |
| SCVWD Clean, Safe Creeks and Natural Flood Protection Fund (Environmental Enhancement Grant) | 2,011 |
| SCVWD Safe, Clean Water and Natural Flood Protection Fund | 63,478 |
| California Department of Water Resources | 420 |
| SFBRA Measure AA (Grant) | 60,844 |
| SFBRA Measure AA (Ballot Reimbursement) | 831 |
| State of California | 58,118 |
| Total | 219,082 |
| Federal Partners, South Bay Salt Ponds (SBSP) | 48,470 |
| State, SBSP | 14,720 |
| Foundations, Packard-Hewlett-Goldman-Moore, SBSP | 17,060 |
| Coastal Conservancy, Shoreline | 2,010 |
| Federal, USACE, Shoreline | 8,990 |
| Total Partnership Funding for In-kind Services | 91,250 |

OPERATING COST IMPACTS

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

USEFUL LIFE: 50+ Years

SCHEDULE & STATUS

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

| Phase | Cost | FY 21 | FY 22 | FY 23 | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 |
|-----------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Plan | 3,512 | | | | | | | | | | | |
| Permits | 4,985 | | | | | | | | | | | |
| Design | 18,973 | | | | | | | | | | | |
| Construct | 94,785 | | | | | | | | | | | |
| Closeout | 670 | | | | | | | | | | | |
| 146,482 | | | | | | | | | | | | |

EXPENDITURE SCHEDULE

(in thousands \$)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|--|--------------|----------------------|--------|-------|-------|-------|-------|---------|---------|
| Project | FY20 | FY21 | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 62084001-Watersheds Asset Rehabilitation Program | 25,753 | 5,800 | 18,097 | 2,372 | 2,351 | 2,331 | 2,321 | 87,457 | 146,482 |
| with inflation | 25,753 | 5,800 | 18,719 | 2,566 | 2,646 | 2,730 | 2,829 | 121,530 | 182,575 |

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands \$)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|--|-------------|-------------|--------------|--------------------------|-------|-------|-------|-------|---------|---------|
| Project | FY20 | FY21 | | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 62084001-Watersheds Asset Rehabilitation Program | 35,831 | 3,531 | 7,809 | 10,910 | 2,566 | 2,646 | 2,730 | 2,829 | 121,530 | 182,575 |

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands \$)

| | |
|---|----------------|
| SCVWD Watershed Stream Stewardship Fund | 182,575 |
| City of Palo Alto (Matadero Creek) | 227 |
| Total | 182,575 |

OPERATING COST IMPACTS

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

USEFUL LIFE: Not Available

Water Resources Stewardship

Water Resources Stewardship Capital Improvements

WATER RESOURCES STEWARDSHIP OVERVIEW

Valley Water plans, designs and constructs various capital projects to meet the Board's Ends Policy E-4, "There is water resources stewardship to protect and enhance watersheds and natural resources and improve the quality of life in Santa Clara County." These projects may fulfill environmental enhancement, mitigation, or stewardship goals and priorities.

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

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

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

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

Environmental Enhancement & Stewardship Projects

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

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

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

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

Stewardship projects are implemented to promote water quality awareness; reduce pollutants in streams; support additional trails, parks and open space; support creek side recreation; and reduce greenhouse gases. Stewardship projects are implemented as required by

Water Resources Stewardship Capital Improvements

the Safe, Clean Water Program or at the discretion of the Board when reasonable and appropriate. These projects are often accomplished in partnership with or support of other agencies.

Major Capital Improvements Identified in the CIP

- Watershed Habitat Enhancement Design & Construction
- Stevens Creek Fish Passage Enhancement
- Hale Creek Enhancement Pilot Study
- Almaden Lake Improvements
- Salt Ponds A5-11 Restoration
- Safe, Clean Water Program Fish Passage Improvements
- Ogier Ponds Separation from Coyote Creek

Feasibility Studies

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

Major Capital Improvements Identified in the CIP

- Watershed Habitat Enhancements

CIP PLANNING PROCESS AND FINANCIAL ANALYSIS

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

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

Projects under the Safe, Clean Water Program have funding allocations and if additional funds are required, the Board may direct that other available revenue be used to implement the proposed projects. Environmental enhancement and stewardship projects not included in the Safe, Clean Water Program are implemented at the discretion of the Board. The inclusion of these projects in the FY 2022-26 CIP has been approved by the Board.

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

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

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

Significant Project Updates from the Prior Year

The Almaden Lake Improvements Project increased in cost by \$26 million as a result of the revised 60 percent design and construction cost estimates to reflect the use of piped water, as opposed to creek water. The project team plans to take the Final Environmental Impact Report to the Board in the Spring 2021.



Water Resources Stewardship Capital Improvements

The following table is a project funding schedule for water resources stewardship capital improvements resulting from this year's financial analysis. Detailed information for each project can be found in this document on the following pages in the order presented in this table. The chart also identifies partially funded projects and estimated unspent appropriation from FY 2020-21.

Water Resources Stewardship Capital Improvements (\$K)

| Project Number | PROJECT NAME | Through FY20 | FY21 | FY21 Unspent | FY22 | FY23 | FY24 | FY25 | FY26 | FY27-36 | TOTAL |
|--|--|---------------|--------------|--------------|---------------|---------------|---------------|--------------|---------------|---------------|----------------|
| ENVIRONMENTAL ENHANCEMENT & STEWARDSHIP | | | | | | | | | | | |
| Lower Peninsula Watershed | | | | | | | | | | | |
| 00294001s | Stevens Creek Fish Passage Enhancement | 850 | - | - | - | 2,448 | 6,555 | 3,690 | 3,637 | 2,248 | 19,428 |
| 26164001 | Hale Creek Enhancement Pilot Study (D6) | 4,853 | 172 | - | 3,824 | - | - | - | - | - | 8,849 |
| Guadalupe Watershed | | | | | | | | | | | |
| 26044001 | Almaden Lake Improvements (D4.1a) | 5,707 | 1,710 | 545 | 9,325 | 20,662 | 19,681 | 775 | 31 | 67 | 57,958 |
| Coyote Watershed | | | | | | | | | | | |
| 00C40400s | Watershed Habitat Enhancement Design & Construction | - | - | - | - | 2,184 | 2,282 | 2,385 | 11,680 | 49,802 | 68,333 |
| Multiple Watersheds | | | | | | | | | | | |
| 20444001s | Salt Ponds A5-11 Restoration | 5,630 | 171 | 243 | 585 | 1,268 | 435 | - | - | - | 8,089 |
| 26044002 | SCW Fish Passage Improvements (D4.3; Bolsa, Evelyn, Singleton) | 5,328 | - | 1 | 5,944 | 2,402 | - | - | - | - | 13,674 |
| 26C40370 | SCW Implementation Fund | - | - | - | - | 2,127 | 1,184 | 218 | - | - | 3,529 |
| 26044003 | Ogier Ponds Separation from Coyote Creek (D4.1b) | 1,598 | - | 512 | 1,546 | 940 | - | - | - | - | 4,084 |
| ENVIRONMENTAL FEASIBILITY STUDIES | | | | | | | | | | | |
| 62044001 | Watershed Habitat Enhancement Studies | 3,170 | 1,034 | - | - | - | - | - | - | - | 4,204 |
| ENVIRONMENTAL MITIGATION | | | | | | | | | | | |
| 62184001 | SMP Mitigation, Stream and Watershed Land Preservation | 16,769 | - | 1 | - | - | - | - | - | - | 16,769 |
| TOTAL | | 43,905 | 3,087 | 1,302 | 21,224 | 32,031 | 30,137 | 7,068 | 15,348 | 58,775 | 211,575 |

 FY 2020-21 Funds to be reappropriated

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

Water Resources Stewardship - Funding Sources (\$K)

| Fund Number | FUND NAME | Through FY20 | FY21 | FY21 Unspent | FY22 | FY23 | FY24 | FY25 | FY26 | FY27-36 | TOTAL |
|--------------|---|---------------|--------------|--------------|---------------|---------------|---------------|--------------|---------------|---------------|----------------|
| 61 | Water Utility Enterprise Fund | 765 | - | - | - | 3,876 | 5,008 | 2,428 | 11,680 | 30,926 | 54,683 |
| 12 | Watershed Stream Stewardship Fund | 25,106 | 1,205 | 1 | 585 | 2,024 | 4,264 | 3,647 | 3,637 | 21,124 | 61,592 |
| 26 | Safe, Clean Water and Natural Flood Protection Fund | 18,034 | 1,882 | 1,301 | 20,639 | 26,131 | 20,865 | 993 | 31 | 6,725 | 95,300 |
| TOTAL | | 43,905 | 3,087 | 1,302 | 21,224 | 32,031 | 30,137 | 7,068 | 15,348 | 58,775 | 211,575 |

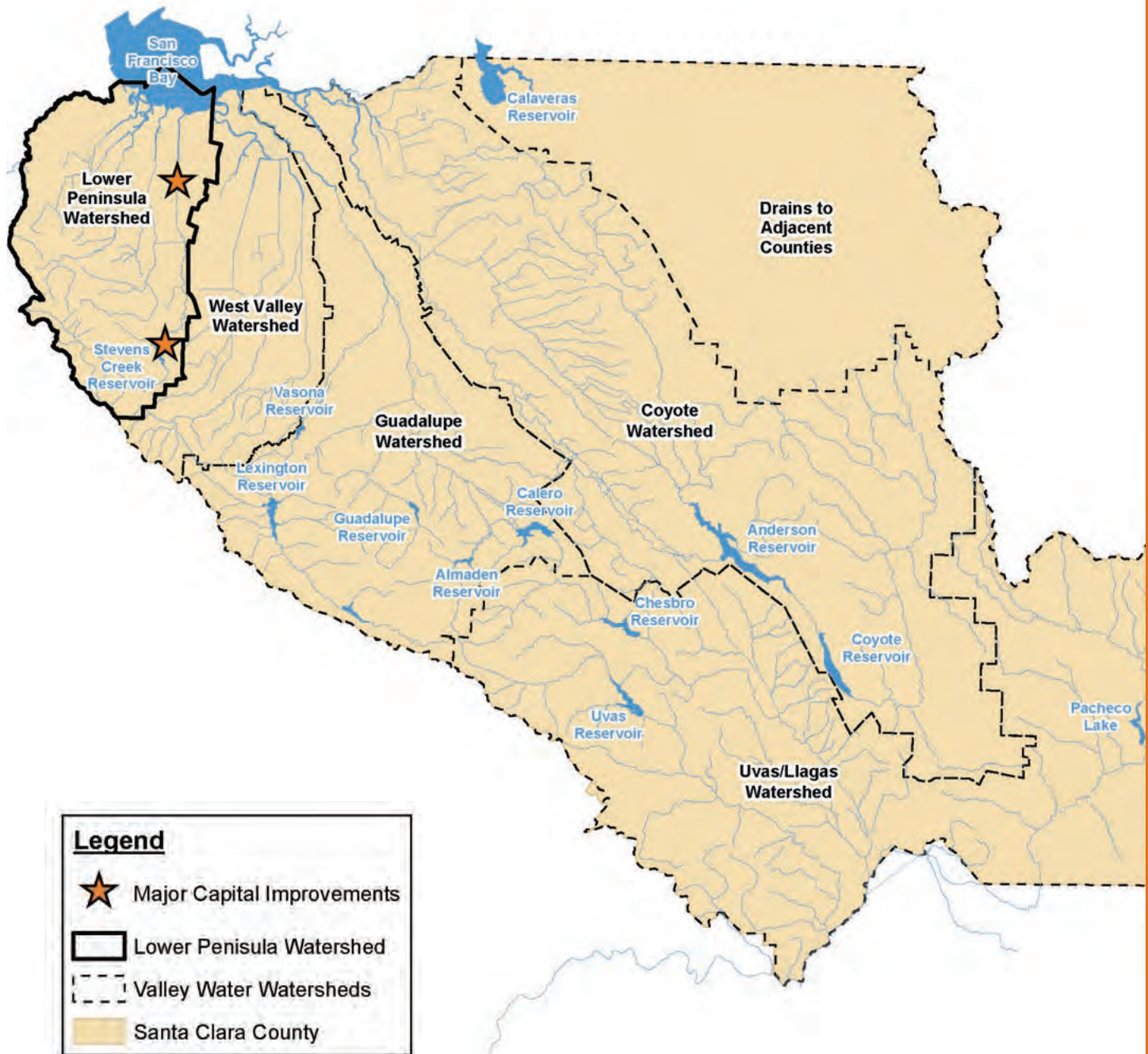
 FY 2020-21 Funds to be reappropriated

Water Resources Stewardship Capital Improvements

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Environmental Enhancement & Stewardship

Lower Peninsula Watershed



| | |
|--------------------|---|
| Project | Stevens Creek Fish Passage Enhancements |
| Program | Water Resources Stewardship - Environmental Enhancement |
| Project No. | 00294001s |
| Contact | Vincent Gin vgin@valleywater.org |



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

PROJECT DESCRIPTION

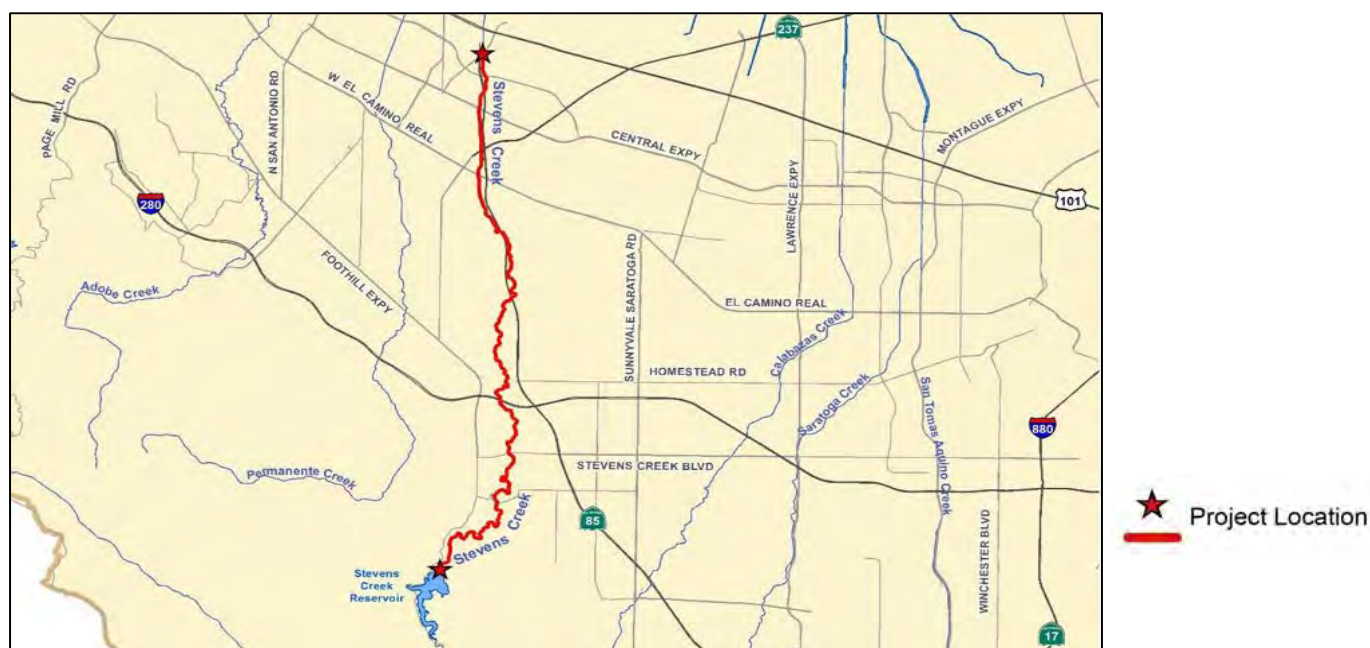
This project plans, designs, and constructs improvements to the Moffett Boulevard fish ladder to improve fish passage at Stevens Creek Dam to accomplish the following objectives:

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

This project is accounted for in the following:

- 00294001 Fish Passage Planning
- 00C40145 Moffett Boulevard Fish Ladder
- 62C40403 Stevens Creek Fish Barrier Removal Construction

PROJECT LOCATION



SCHEDULE & STATUS

July 2008 to June 2025

Planning phase is complete.

Project is on hold.

| Phase | Cost | FY 21 | FY 22 | FY 23 | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 |
|-----------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Plan | 824 | | | | | | | | | | | |
| Permits | 122 | | | | | | | | | | | |
| Design | 2,970 | | | | | | | | | | | |
| Construct | 13,240 | | | | | | | | | | | |
| Closeout | 80 | | | | | | | | | | | |
| | 17,262 | | | | | | | | | | | |

EXPENDITURE SCHEDULE

(in thousands \$)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|---|-----------------|----------------------|----------|--------------|--------------|--------------|--------------|--------------|---------------|
| Project | FY20 | FY21 | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 00294001-FAHCE Stevens Ck Fish Passage Planning | 850 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 850 |
| with inflation | 850 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 850 |
| 00C40145-FAHCE Stevens Ck Fish Ladder at Moffett Blvd | 0 | 0 | 0 | 1,370 | 1,660 | 0 | 0 | 0 | 3,030 |
| with inflation | 0 | 0 | 0 | 1,496 | 1,814 | 0 | 0 | 0 | 3,310 |
| 00C40198-FAHCE Stevens Ck Dam Multi-Port Outlet | 0 | 0 | 0 | 352 | 1,110 | 40 | 0 | 0 | 1,502 |
| with inflation | 0 | 0 | 0 | 384 | 1,215 | 48 | 0 | 0 | 1,647 |
| 62C40403-Stevens Ck Fish Barrier Removal Construction | 0 | 0 | 0 | 520 | 3,200 | 3,200 | 3,100 | 1,860 | 11,880 |
| with inflation | 0 | 0 | 0 | 568 | 3,526 | 3,642 | 3,637 | 2,248 | 13,621 |
| TOTAL | 850 | 0 | 0 | 2,242 | 5,970 | 3,240 | 3,100 | 1,860 | 17,262 |
| with inflation | 850 | 0 | 0 | 2,448 | 6,555 | 3,690 | 3,637 | 2,248 | 19,428 |

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands \$)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|---|----------------|----------------|-----------------|--------------------------|--------------|--------------|--------------|--------------|--------------|---------------|
| Project | FY20 | FY21 | | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 00294001-FAHCE Stevens Ck Fish Passage Planning | 850 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 850 |
| 00C40145-FAHCE Stevens Ck Fish Ladder at Moffett Blvd | 0 | 0 | 0 | 0 | 1,496 | 1,814 | 0 | 0 | 0 | 3,310 |
| 00C40198-FAHCE Stevens Ck Dam Multi-Port Outlet | 0 | 0 | 0 | 0 | 384 | 1,215 | 48 | 0 | 0 | 1,647 |
| 62C40403-Stevens Ck Fish Barrier Removal Construction | 0 | 0 | 0 | 0 | 568 | 3,526 | 3,642 | 3,637 | 2,248 | 13,621 |
| TOTAL | 850 | 0 | 0 | 0 | 2,448 | 6,555 | 3,690 | 3,637 | 2,248 | 19,428 |

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands \$)

| | |
|---|---------------|
| SCVWD Watershed Stream Stewardship Fund–10% | 1,943 |
| SCVWD Water Utility Enterprise Fund–90% | 17,485 |
| Total | 19,428 |

OPERATING COST IMPACTS

Operating costs will be determined during the design phase.

| | |
|--------------------|--|
| Project | Hale Creek Enhancement Pilot Study (D6) |
| Program | Water Resources Stewardship - Environmental Enhancements |
| Project No. | 26164001 |
| Contact | Rechelle Blank rblank@valleywater.org |



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

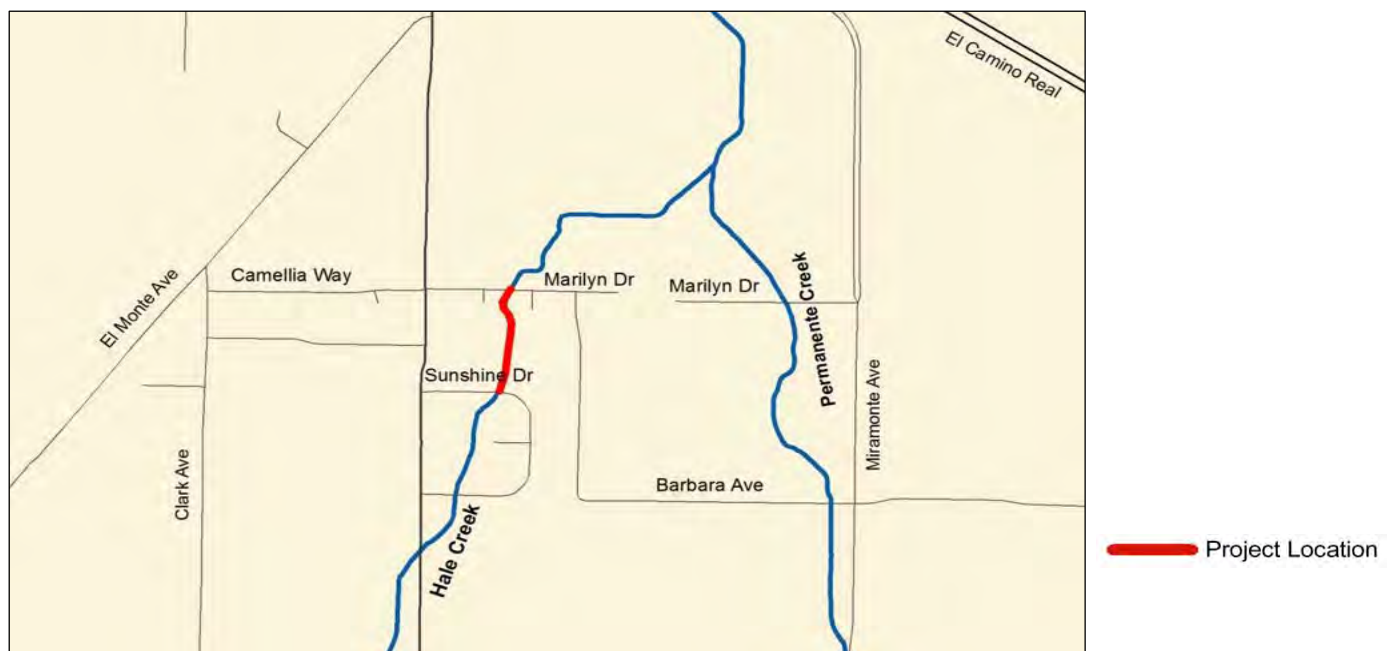
PROJECT DESCRIPTION

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

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

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

PROJECT LOCATION



SCHEDULE & STATUS

July 2014 to June 2022

| Phase | Cost | FY 21 | FY 22 | FY 23 | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Plan | 39 | | | | | | | | | | | |
| Permits | 138 | | | | | | | | | | | |
| Design | 1,972 | | | | | | | | | | | |
| Construct | 6,552 | | | | | | | | | | | |
| Closeout | 10 | | | | | | | | | | | |
| | 8,720 | | | | | | | | | | | |

EXPENDITURE SCHEDULE

(in thousands \$)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|---|-----------------|----------------------|-------|------|------|------|------|--------|-------|
| Project | FY20 | FY21 | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 26164001-Hale Creek Enhancement Pilot Study | 2,136 | 2,889 | 3,695 | 0 | 0 | 0 | 0 | 0 | 8,720 |
| with inflation | 2,136 | 2,889 | 3,824 | 0 | 0 | 0 | 0 | 0 | 8,849 |

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands \$)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|---|-------------|-------------|--------------|--------------------------|------|------|------|------|--------|-------|
| Project | FY20 | FY21 | | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 26164001-Hale Creek Enhancement Pilot Study | 4,853 | 172 | 0 | 3,824 | 0 | 0 | 0 | 0 | 0 | 8,849 |

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands \$)

| | |
|------------------------------|--------------|
| SCVWD Safe, Clean Water Fund | 8,849 |
| Other Funding Sources | 0 |
| Total | 8,849 |

OPERATING COST IMPACTS

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

USEFUL LIFE: Not available

Environmental Enhancement & Stewardship

Guadalupe Watershed



| | |
|--------------------|---|
| Project | Almaden Lake Improvements (D4) |
| Program | Water Resources Stewardship – Environmental Enhancement |
| Project No. | 26044001 |
| Contact | Rechelle Blank rblank@valleywater.org |



A southern view of Almaden Lake, through which Alamitos Creek flows

PROJECT DESCRIPTION

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

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

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

PROJECT LOCATION



SCHEDULE & STATUS

July 2011 to December 2027

| Phase | Cost | FY 21 | FY 22 | FY 23 | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 |
|-----------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Plan | 2,462 | | | | | | | | | | | |
| Permits | 1,214 | | | | | | | | | | | |
| Design | 4,287 | | | | | | | | | | | |
| Construct | 47,723 | | | | | | | | | | | |
| Closeout | 10 | | | | | | | | | | | |
| 56,157 | | | | | | | | | | | | |

EXPENDITURE SCHEDULE

(in thousands \$)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|------------------------------------|-----------------|----------------------|-------|--------|--------|------|------|--------|--------|
| Project | FY20 | FY21 | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 26044001-Almaden Lake Improvements | 5,332 | 1,540 | 9,560 | 20,000 | 19,000 | 650 | 25 | 50 | 56,157 |
| with inflation | 5,332 | 1,540 | 9,870 | 20,662 | 19,681 | 775 | 31 | 67 | 57,958 |

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands \$)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|------------------------------------|----------------|----------------|-----------------|--------------------------|--------|--------|------|------|--------|--------|
| Project | FY20 | FY21 | | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 26044001-Almaden Lake Improvements | 5,707 | 1,710 | 545 | 9,325 | 20,662 | 19,681 | 775 | 31 | 67 | 57,958 |

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands \$)

| | |
|-----------------------------|---------------|
| SCVWD Safe,Clean Water Fund | 57,958 |
| Other Funding Sources | 0 |
| Total | 57,958 |

OPERATING COST IMPACTS

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

USEFUL LIFE: 100 Years

Environmental Enhancement & Stewardship

Coyote Watershed



| | |
|--------------------|---|
| Project | Watershed Habitat Enhancements Design & Construction |
| Program | Water Resources Stewardship - Environmental Enhancements |
| Project No. | 00C40400s |
| Contact | Rechelle Blank rblank@valleywater.org |



Aerial view looking downstream of the Ogier Pond complex

PROJECT DESCRIPTION

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

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

PROJECT LOCATION



★ Project Location

SCHEDULE & STATUS

July 2021 to June 2031

| Phase | Cost | FY 21 | FY 22 | FY 23 | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 |
|-----------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Plan | - | | | | | | | | | | | |
| Permits | 2,000 | | | | | | | | | | | |
| Design | 11,000 | | | | | | | | | | | |
| Construct | 40,000 | | | | | | | | | | | |
| Closeout | - | | | | | | | | | | | |
| | 53,000 | | | | | | | | | | | |

EXPENDITURE SCHEDULE

(in thousands \$)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|---|--------------|----------------------|----------|--------------|--------------|--------------|---------------|---------------|---------------|
| Project | FY20 | FY21 | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 95C40400 Project 1 Design & Construction (e.g. Metcalf Ponds) | 0 | 0 | 0 | 2,000 | 2,000 | 2,000 | 10,000 | 10,000 | 26,000 |
| with inflation | 0 | 0 | 0 | 2,184 | 2,282 | 2,385 | 11,680 | 12,049 | 30,580 |
| 00C40401s Project 2 Construction (e.g. Ogier Ponds) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27,000 | 27,000 |
| with inflation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37,753 | 37,753 |
| TOTAL | 0 | 0 | 0 | 2,000 | 2,000 | 2,000 | 10,000 | 37,000 | 53,000 |
| with inflation | 0 | 0 | 0 | 2,184 | 2,282 | 2,385 | 11,680 | 49,802 | 68,333 |

FUNDING SCHEDULE

(in thousands \$)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|---|-------------|-------------|--------------|--------------------------|-------|-------|-------|--------|--------|--------|
| Project | FY20 | FY21 | | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 95C40400 Project 1 Design & Construction (e.g. Metcalf Ponds) | 0 | 0 | 0 | 0 | 2,184 | 2,282 | 2,385 | 11,680 | 12,049 | 30,580 |
| 00C40401s Project 2 Construction (e.g. Ogier Ponds) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37,753 | 37,753 |
| TOTAL | 0 | 0 | 0 | 0 | 2,184 | 2,282 | 2,385 | 11,680 | 49,802 | 68,333 |

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands \$)

| | |
|---|---------------|
| SCVWD Water Utility Enterprise Fund | 49,456 |
| SCVWD Watershed and Stream Stewardship Fund | 18,877 |
| SCVWD Safe, Clean Water Fund | 0 |
| Total | 68,333 |

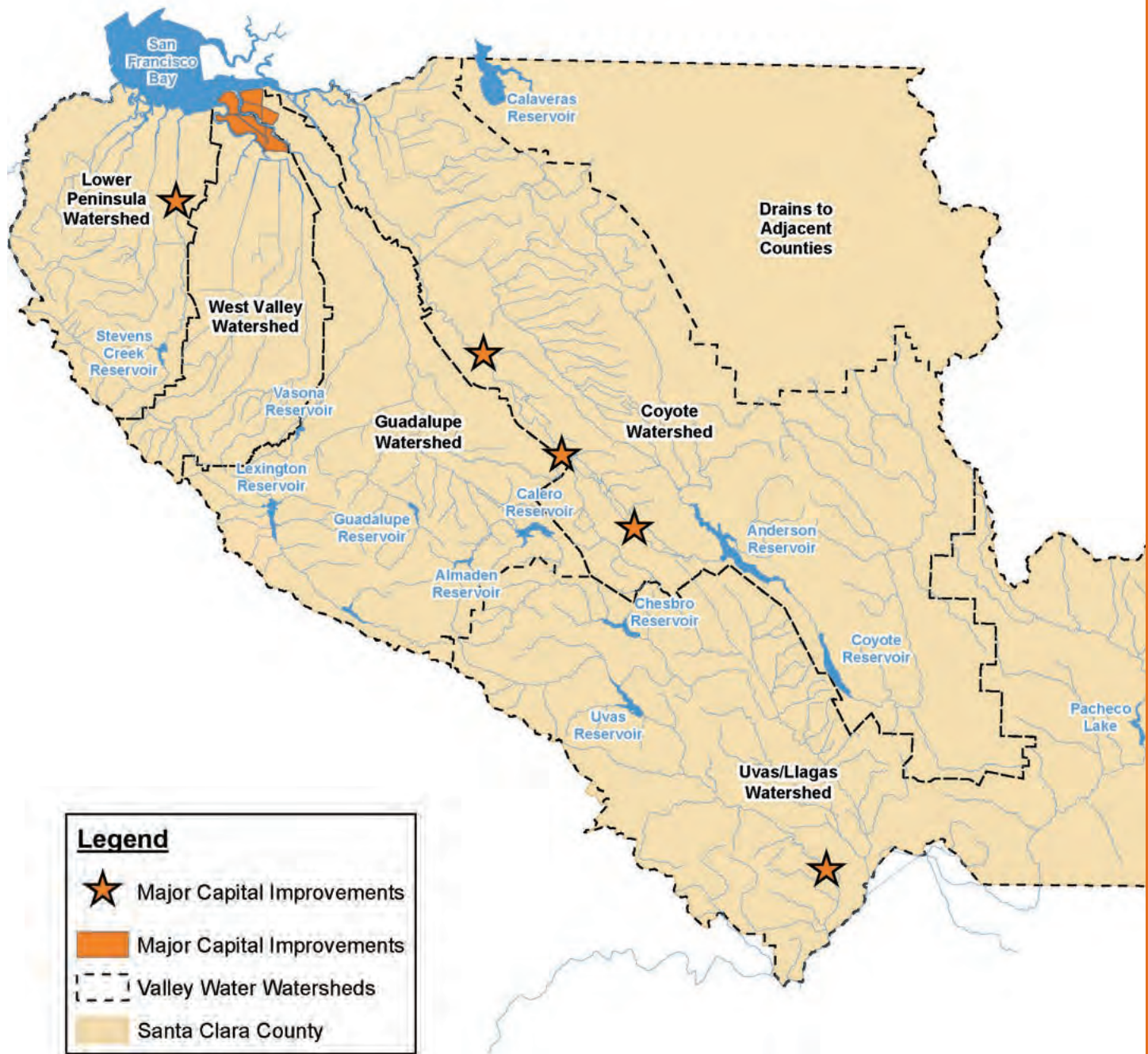
OPERATING COST IMPACTS

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

USEFUL LIFE: 50 years

Environmental Enhancement & Stewardship

Multiple Watersheds



| | |
|--------------------|--|
| Project | Salt Ponds A5-11 Restoration |
| Program | Water Resources Stewardship - Environmental Enhancements |
| Project No. | 20444001s |
| Contact | John Bourgeois jbourgeois@valleywater.org |



View of one of the former salt evaporation facilities near Alviso

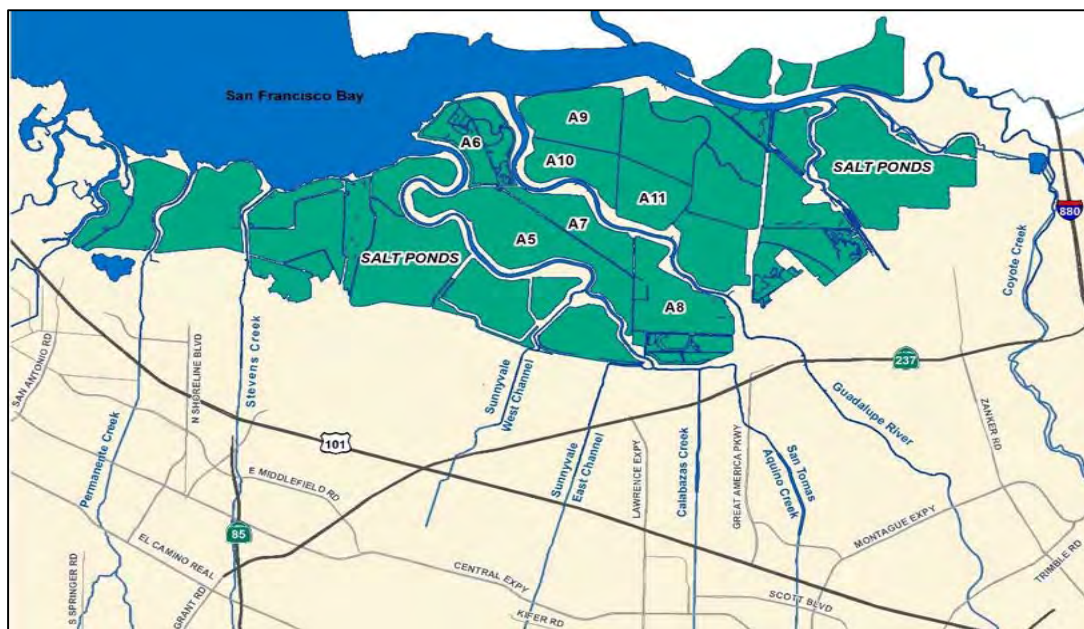
PROJECT DESCRIPTION

This project plans, designs, and constructs improvements to the South Bay Salt Ponds to accomplish the following objectives:

- ♦ Realign Calabazas and San Tomas Creeks to flow directly into Pond A8.
- ♦ Meet permitting requirements for the creek's realignment or further restoration efforts.
- ♦ Fully open the Pond A8 Notch to increase tidal flow into the pond.
- ♦ Restoration of Ponds A5 through A11 of the Alviso Complex.
- ♦ Improve or construct roads at new placement sites.
- ♦ Restore the South Bay Salt Ponds to improve wildlife habitat and protect residents from tidal flooding.

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

PROJECT LOCATION



Project Location

SCHEDULE & STATUS

July 2013 to June 2024

| Phase | Cost | FY 21 | FY 22 | FY 23 | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Plan | 1,137 | | | | | | | | | | | |
| Permits | 171 | | | | | | | | | | | |
| Design | 677 | | | | | | | | | | | |
| Construct | 1,651 | | | | | | | | | | | |
| Closeout | 5 | | | | | | | | | | | |
| 7,698 | | | | | | | | | | | | |

EXPENDITURE SCHEDULE

(in thousands \$)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|---|--------------|----------------------|------------|--------------|------------|----------|----------|----------|--------------|
| Project | FY20 | FY21 | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 20444001 - Salt Ponds A5-11 Restoration | 4,814 | 439 | 560 | 1,190 | 390 | 0 | 0 | 0 | 7,393 |
| with inflation | 4,814 | 439 | 585 | 1,268 | 435 | 0 | 0 | 0 | 7,542 |
| 26444003 - South Salt Ponds Restoration | 281 | 24 | 0 | 0 | 0 | 0 | 0 | 0 | 305 |
| with inflation | 281 | 24 | 0 | 0 | 0 | 0 | 0 | 0 | 305 |
| TOTAL | 5,095 | 463 | 560 | 1,190 | 390 | 0 | 0 | 0 | 7,698 |
| with inflation | 5,095 | 463 | 585 | 1,268 | 435 | 0 | 0 | 0 | 7,847 |

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands \$)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|---|--------------|-------------|--------------|--------------------------|--------------|------------|----------|----------|----------|--------------|
| Project | FY20 | FY21 | | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 20444001 - Salt Ponds A5-11 Restoration | 5,082 | 171 | 0 | 585 | 1,268 | 435 | 0 | 0 | 0 | 7,542 |
| 26444003 - South Salt Ponds Restoration | 548 | 0 | 243 | 0 | 0 | 0 | 0 | 0 | 0 | 548 |
| TOTAL | 5,630 | 171 | 243 | 585 | 1,268 | 435 | 0 | 0 | 0 | 8,090 |

Adjusted Budget includes adopted budget plus approved budget adjustments. Funding exceeds planned expenditures by approximately \$243,000. Excess funding will be returned to reserves upon the end of the project.

FUNDING SOURCES

(in thousands \$)

| | |
|---|--------------|
| SCVWD Watershed and Stream Stewardship Fund | 7,542 |
| SCVWD Safe, Clean Water Fund | 548 |
| Other Funding Sources | 0 |
| Total | 8,090 |

OPERATING COST IMPACTS

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

USEFUL LIFE: Not Available

| | |
|--------------------|--|
| Project | SCW Fish Passage Improvements (D4.3) |
| Program | Water Resources Stewardship - Environmental Enhancements |
| Project No. | 26044002 |
| Contact | Rechelle Blank rblank@valleywater.org |



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

PROJECT DESCRIPTION

This project plans, designs and constructs improvements for two high priority fish barriers in Santa Clara County. A third priority barrier, owned by the City of San Jose, will be remediated through a project partnership with funds allocated from this project. The project will accomplish the following objectives:

- Planning, design and construction for a passage impediment at the Evelyn Bridge preventing upstream/downstream movement of steelhead in the Stevens Creek watershed. Remediation of this barrier will facilitate movement to 8.8 miles of higher quality upstream habitat and allow for out-migrant fish to access San Francisco Bay unimpeded. (Completed in 2016)
- Planning, design and construction for a passage impediment at the Bolsa Road railroad bridge in the Uvas Watershed. Remediation of this site will allow access to approximately 22 miles of higher quality habitat upstream as well as unimpeded access for out-migrant fish through the project site. Plans and specifications of a riffle pool system extending approximately 1,700 feet downstream of the Union Pacific Railroad bridge have been prepared at the 90% level, with permit applications submitted to resource agencies including California Department of Fish and Wildlife, Regional Water Quality Control Board, and U.S. Army Corps of Engineers.
- Prepare a partnership agreement and provide technical support to the City of San Jose for removal of the Singleton Road Bridge in Coyote Creek. Removal of this passage impediment will facilitate movement of migratory fish for approximately 17.6 miles creek above the site and allow for unimpeded access of out-migrant fish through the site. An interim crossing to replace/remove existing twin pipe culverts is being evaluated, meanwhile the City of San Jose seeks funding sources for the permanent bridge solution. Alternatives of this interim crossing under considerations include precast bridge slabs/girders, precast concrete arch, steel plate arch and salvaged railroad flatcar. Key criteria for the selected alternative will be the feasibility of completing construction by November 2019.

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

PROJECT LOCATION



★ Project Location

SCHEDULE & STATUS

July 2015 to March 2022

| Phase | Cost | FY 21 | FY 22 | FY 23 | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 |
|-----------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Plan | 283 | | | | | | | | | | | |
| Permits | 356 | | | | | | | | | | | |
| Design | 1,904 | | | | | | | | | | | |
| Construct | 10,582 | | | | | | | | | | | |
| Closeout | 50 | | | | | | | | | | | |
| | 13,238 | | | | | | | | | | | |

EXPENDITURE SCHEDULE

(in thousands \$)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|---|-----------------|----------------------|-------|-------|------|------|------|--------|--------|
| Project | FY20 | FY21 | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 26044002-SCW Fish Passage Improvements (D4.3; Bolsa, Evelyn, Singleton) | 3,397 | 1,930 | 5,711 | 2,200 | 0 | 0 | 0 | 0 | 13,238 |
| with inflation | 3,397 | 1,930 | 5,945 | 2,402 | 0 | 0 | 0 | 0 | 13,675 |

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands \$)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|---|-------------|-------------|--------------|--------------------------|-------|------|------|------|--------|--------|
| Project | FY20 | FY21 | | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 26044002-SCW Fish Passage Improvements (D4.3; Bolsa, Evelyn, Singleton) | 5,328 | 0 | 1 | 5,944 | 2,402 | 0 | 0 | 0 | 0 | 13,675 |

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands \$)

| | |
|------------------------------|---------------|
| SCVWD Safe, Clean Water Fund | 13,675 |
| Other Funding Sources | 0 |
| Total | 13,675 |

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately \$20,000 per year beginning in FY22.

USEFUL LIFE: 50 Years

| | |
|--------------------|--|
| Project | SCW Implementation Fund |
| Program | Water Resources Stewardship - Environmental Enhancements |
| Project No. | 26C40370 |
| Contact | Rechelle Blank rblank@valleywater.org |



One possible site: Almaden Lake, as shown here upstream from the Guadalupe Creek confluence

PROJECT DESCRIPTION

This project is a placeholder for future capital projects that have not been fully defined. These projects will implement the renewed Safe Clean Water (SCW) objectives for Priority D6.2 Restoration of Natural Creek Functions like for construction of Bolsa Road Fish Passage Improvement. Funds will be moved from this placeholder into projects once they have been defined and vetted to ensure they meet the following program objectives:

- ♦ Create favorable stream conditions to restore and maintain fisheries.
- ♦ Increase the stability of stream channels through construction based on geomorphic principles.

PROJECT LOCATION

No map is provided for this project

SCHEDULE & STATUS

July 2018 to June 2032

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

| Phase | Cost |
|-----------|-------|
| Plan | 345 |
| Design | - |
| Construct | 3,529 |
| Closeout | - |

| FY 21 | FY 22 | FY 23 | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | | | | | | | | | |

3,876

EXPENDITURE SCHEDULE

(in thousands \$)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|----------------------------------|-----------------|----------------------|------|-------|-------|------|------|--------|-------|
| Project | FY20 | FY21 | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 26C40370-SCW Implementation Fund | 347 | 0 | 0 | 2,127 | 1,184 | 218 | 0 | 0 | 3,876 |
| with inflation | 347 | 0 | 0 | 2,127 | 1,184 | 218 | 0 | 0 | 3,876 |

FUNDING SCHEDULE

(in thousands \$)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|----------------------------------|----------------|----------------|-----------------|--------------------------|-------|-------|------|--------|---|-------|
| Project | FY20 | FY21 | FY22 | FY23 | FY24 | FY25 | FY26 | Future | | |
| 26C40370-SCW Implementation Fund | 0 | 0 | -347 | 347 | 2,127 | 1,184 | 218 | 0 | 0 | 3,876 |

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands \$)

| | |
|------------------------------|--------------|
| SCVWD Safe, Clean Water Fund | 3,876 |
| Total | 3,876 |

OPERATING COST IMPACTS

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

USEFUL LIFE: Not Available

| | |
|--------------------|---|
| Project | SCW Ogier Ponds Separation from Coyote Creek (Planning & Design) |
| Program | Water Resources Stewardship - Environmental Enhancements |
| Project No. | 26044003 |
| Contact | John Bourgeois jbourgeois@valleywater.org |



Ogier Pond complex looking downstream. Coyote Creek enters in lower right. The pond is bordered by Coyote Creek Trail on the right, and a cherry orchard on the left.

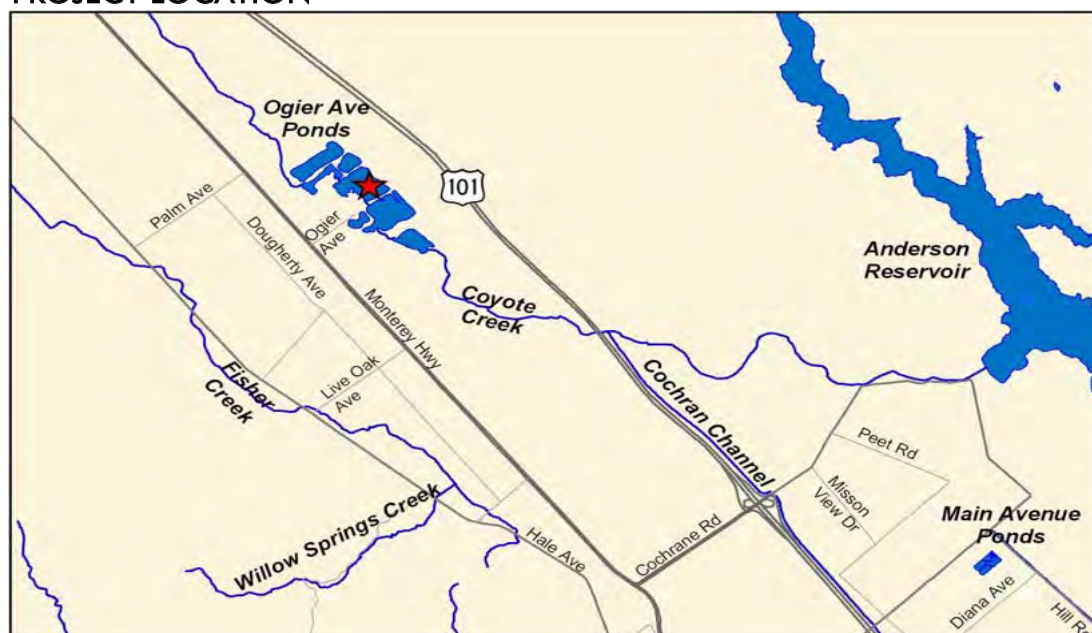
PROJECT DESCRIPTION

This project plans and designs possible improvements to separate Ogier Ponds from Coyote Creek where they meet, approximately 3,800 feet upstream of Ogier Avenue in San Jose, to meet the following objectives:

- ♦ Meet regulatory requirements for implementation of the Dam Maintenance Program so Valley Water can continue to maintain adequate water supply for Santa Clara Valley residents.
- ♦ Eliminate the temperature and predation traps and improve passage for Chinook salmon and steelhead.
- ♦ Preserve the existing open water habitat.
- ♦ Minimize impacts to the future recreational uses being planned by Santa Clara County.

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

PROJECT LOCATION



★ Project Location

SCHEDULE & STATUS

March 2019 through March 2023

| Phase | Cost | FY 21 | FY 22 | FY 23 | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Plan | 1,761 | | | | | | | | | | | |
| Design | 2,153 | | | | | | | | | | | |
| Construct | - | | | | | | | | | | | |
| Closeout | - | | | | | | | | | | | |
| | 3,916 | | | | | | | | | | | |

EXPENDITURE SCHEDULE

(in thousands \$)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|---|-----------------|----------------------|-------|------|------|------|------|--------|-------|
| Project | FY20 | FY21 | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 26044003-SCW Ogier Ponds Separation from Coyote Creek (Planning & Design) | 347 | 739 | 1,969 | 861 | 0 | 0 | 0 | 0 | 3,916 |
| with inflation | 347 | 739 | 2,058 | 940 | 0 | 0 | 0 | 0 | 4,084 |

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands \$)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|---|-------------|-------------|--------------|--------------------------|------|------|------|------|--------|-------|
| Project | FY20 | FY21 | | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 26044003-SCW Ogier Ponds Separation from Coyote Creek (Planning & Design) | 1,598 | 0 | 512 | 1,546 | 940 | 0 | 0 | 0 | 0 | 4,084 |

Adjusted Budget includes adopted budget plus approved budget adjustments

FUNDING SOURCES

(in thousands \$)

| | |
|------------------------------|--------------|
| SCVWD Safe, Clean Water Fund | 4,084 |
| Other Funding Sources | 0 |
| Total | 4,084 |

OPERATING COST IMPACTS

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

USEFUL LIFE: Not Available

Feasibility Studies



Legend

Major Capital Improvements

Valley Water Watersheds

Santa Clara County

| | |
|--------------------|---|
| Project | Watershed Habitat Enhancements |
| Program | Water Resources Stewardship - Feasibility Studies |
| Project No. | 62044001 |
| Contact | John Bourgeois jbourgeois@valleywater.org |



Aerial view looking downstream of the Ogier Pond complex

PROJECT DESCRIPTION

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

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

PROJECT LOCATION



 Project Location

SCHEDULE & STATUS

April 2017 to June 2021

| Phase | Cost | FY 21 | FY 22 | FY 23 | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Plan | 2,978 | | | | | | | | | | | |
| Permits | - | | | | | | | | | | | |
| Design | 33 | | | | | | | | | | | |
| Construct | - | | | | | | | | | | | |
| Closeout | - | | | | | | | | | | | |
| | 4,204 | | | | | | | | | | | |

EXPENDITURE SCHEDULE

(in thousands \$)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|---|--------------|----------------------|------|------|------|------|------|--------|-------|
| Project | FY20 | FY21 | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 62044001-Watershed Habitat Enhancements | 3,057 | 1,147 | 0 | 0 | 0 | 0 | 0 | 0 | 4,204 |
| with inflation | 3,057 | 1,147 | 0 | 0 | 0 | 0 | 0 | 0 | 4,204 |

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands \$)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|---|-------------|-------------|--------------|--------------------------|------|------|------|------|--------|-------|
| Project | FY20 | FY21 | | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 62044001-Watershed Habitat Enhancements | 3,170 | 1,034 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4,204 |

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands \$)

| | |
|---|--------------|
| SCVWD Watershed & Stream Stewardship Fund | 4,204 |
| Other Funding Sources | 0 |
| Total | 4,204 |

OPERATING COST IMPACTS

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

USEFUL LIFE: N/A

Mitigation



| | |
|--------------------|--|
| Project | SMP Mitigation Stream and Watershed Land Preservation |
| Program | Water Resources Stewardship – Mitigation |
| Project No. | 62184001 |
| Contact | John Bourgeois jbourgeois@valleywater.org |



Creek-side settings such as this will be used for stream and watershed land preservation.

PROJECT DESCRIPTION

This project preserves streams and watershed lands in Santa Clara County and implements appropriate restorations in these lands to accomplish the following objectives:

- Provide Stream Maintenance Program (SMP) mitigation credits through preservation of streams and watershed lands to provide long-term protection of unique and valuable local stream resources and watersheds, in a largely self-sustaining setting. Approximately 110 acres of the total land preservation will be for protection of riparian and upland habitats that are known to support California red-legged frogs.
- Seek opportunities to partner with other organizations to accomplish the project objectives.

PROJECT LOCATION



★ Project Location

SCHEDULE & STATUS

July 2004 to June 2021

Some environmental tasks in the planning phase continue through construction. Land acquisition is shown in the design phase, with restoration of site habitat shown in the construction phase.

| Phase | Cost | FY 21 | FY 22 | FY 23 | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 |
|-----------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Plan | 1,940 | | | | | | | | | | | |
| Permits | 3,621 | | | | | | | | | | | |
| Design | 9,593 | | | | | | | | | | | |
| Construct | 1,259 | | | | | | | | | | | |
| Closeout | 150 | | | | | | | | | | | |
| | 16,768 | | | | | | | | | | | |

EXPENDITURE SCHEDULE

(in thousands \$)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|--|--------------|----------------------|------|------|------|------|------|--------|--------|
| Project | FY20 | FY21 | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 62184001-SMP Mitigation Stream and Watershed Land Preservation | 15,804 | 964 | 0 | 0 | 0 | 0 | 0 | 0 | 16,768 |
| with inflation | 15,804 | 964 | 0 | 0 | 0 | 0 | 0 | 0 | 16,768 |

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands \$)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|--|-------------|-------------|--------------|--------------------------|------|------|------|------|--------|--------|
| Project | FY20 | FY21 | | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 62184001-SMP Mitigation Stream and Watershed Land Preservation | 16,769 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 16,769 |

Adjusted Budget includes adopted budget plus approved budget adjustments. Funding exceeds planned expenditures by approximately \$134,000. Excess funding will be returned to reserves upon completion of the project.

FUNDING SOURCES

(in thousands \$)

| | |
|---|---------------|
| SCVWD Watershed Stream Stewardship Fund | 16,769 |
| Other Funding Source | 0 |
| Total | 16,769 |

OPERATING COST IMPACTS

Operating costs will vary depending on the type of acquisition of ownership, and requirements for maintenance of each site. Long-term management costs of acquired properties are budgeted in the SMP Mitigation Site Management project.

USEFUL LIFE: 50+ Years

Buildings and Grounds

Building and Grounds Capital Improvements

BUILDINGS AND GROUNDS OVERVIEW

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

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

Major Capital Improvements Identified in the CIP

- Facility Management, Small Capital Improvements
- Headquarters Operations Building

CIP PLANNING PROCESS AND FINANCIAL ANALYSIS

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

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

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

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

The CIP Planning Process concluded that the Facility Management, Small Capital Improvements funding will be increased from \$3 million per year to \$4 million per year to meet Buildings and Grounds needs. Valley Water's Almaden Campus facilities are at or approaching full capacity. Staff, with the assistance of a consultant, are exploring alternatives to improve the facilities on the Almaden and Winfield campus, upgrade the employee work environment and maintain Valley Water facility assets. The Headquarters Operations Building project is a placeholder to fund the design and construction of the improvements approved by the Board.

Significant Project Updates from the Prior Year


The Small Capital Improvements, Facility Management Project increased in cost from \$3 million per year to \$4 million due to the updated cost estimates for capital maintenance of buildings, grounds and facilities on the Almaden and Winfield campus.

Building and Grounds Capital Improvements

The following table is a project funding schedule for buildings and grounds capital improvements resulting from this year's financial analysis. Detailed information for each project can be found in this document on the following pages in the order presented in this table. The chart also identifies partially funded projects and estimated unspent appropriation from FY 2020-21.


Buildings and Grounds Capital Improvements (\$K)

| Project Number | PROJECT NAME | Through FY20 | FY21 | FY21 Unspent | FY22 | FY23 | FY24 | FY25 | FY26 | FY27-36 | TOTAL |
|----------------|---|--------------|-------|--------------|-------|-------|--------|-------|-------|---------|--------|
| 60204016 | Facility Management, Small Capital Improvements | n/a | 3,016 | - | 4,000 | 4,000 | 4,000 | 4,000 | 4,000 | 20,000 | 43,016 |
| 60204032 | Headquarters Operations Building | 20 | - | 1 | 2,089 | 2,075 | 6,544 | 2,385 | 2,492 | - | 15,605 |
| TOTAL | | 20 | 3,016 | 1 | 6,089 | 6,075 | 10,544 | 6,385 | 6,492 | 20,000 | 58,621 |

 FY 2020-21 Funds to be reappropriated

Buildings and Grounds - Funding Sources (\$K)

| Fund Number | FUND NAME | Through FY20 | FY21 | FY21 Unspent | FY22 | FY23 | FY24 | FY25 | FY26 | FY27-36 | TOTAL |
|-------------|--------------|--------------|-------|--------------|-------|-------|--------|-------|-------|---------|--------|
| 11 | General Fund | 20 | 3,016 | 1 | 6,089 | 6,075 | 10,544 | 6,385 | 6,492 | 20,000 | 58,621 |
| TOTAL | | 20 | 3,016 | 1 | 6,089 | 6,075 | 10,544 | 6,385 | 6,492 | 20,000 | 58,621 |

 FY 2020-21 Funds to be reappropriated

| | |
|-------------|---|
| Project | Facility Management, Small Capital Improvements |
| Program | Buildings and Grounds |
| Project No. | 60204016 |
| Contact | Jesse Soto jsoto@valleywater.org |

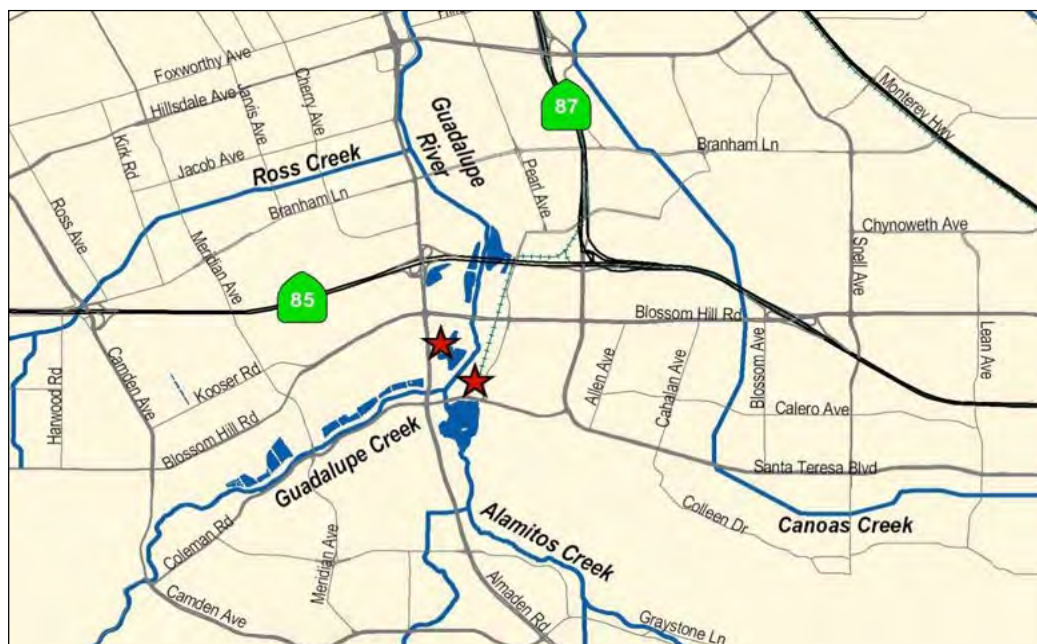


Front view of the Headquarters building at the Almaden Campus

PROJECT DESCRIPTION

This project reserves funding for capital maintenance and replacement of buildings, grounds, and facilities on the Almaden and Winfield campus, to provide a healthy and safe environment for staff and visitors.

PROJECT LOCATION



★ Project Location

SCHEDULE & STATUS

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

| Phase | Cost | FY 21 | FY 22 | FY 23 | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 |
|-----------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Plan | n/a | | | | | | | | | | | |
| Design | n/a | | | | | | | | | | | |
| Construct | n/a | | | | | | | | | | | |
| Closeout | n/a | | | | | | | | | | | |
| | n/a | | | | | | | | | | | |

EXPENDITURE SCHEDULE

(in thousands \$)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|--|--------------|----------------------|-------|-------|-------|-------|-------|--------|--------|
| Project | FY20 | FY21 | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 60204016-Facility Management, Small Capital Improvements | n/a | 3,016 | 4,000 | 4,000 | 4,000 | 4,000 | 4,000 | 20,000 | 43,016 |
| with inflation | n/a | 3,016 | 4,000 | 4,000 | 4,000 | 4,000 | 4,000 | 20,000 | 43,016 |

FUNDING SCHEDULE

(in thousands \$)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|--|-------------|-------------|--------------|--------------------------|-------|-------|-------|-------|--------|--------|
| Project | FY20 | FY21 | | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 60204016-Facility Management, Small Capital Improvements | n/a | 3,016 | 0 | 4,000 | 4,000 | 4,000 | 4,000 | 4,000 | 20,000 | 43,016 |

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

FUNDING SOURCES

(in thousands \$)

| | |
|----------------------|---------------|
| SCVWD General Fund | 43,016 |
| Other Funding Source | 0 |
| Total | 43,016 |

OPERATING COST IMPACTS

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

USEFUL LIFE: Not Available

| | |
|--------------------|---|
| Project | Headquarters Operations Building |
| Program | Buildings and Grounds |
| Project No. | 60204032 |
| Contact | Jesse Soto jsoto@valleywater.org |



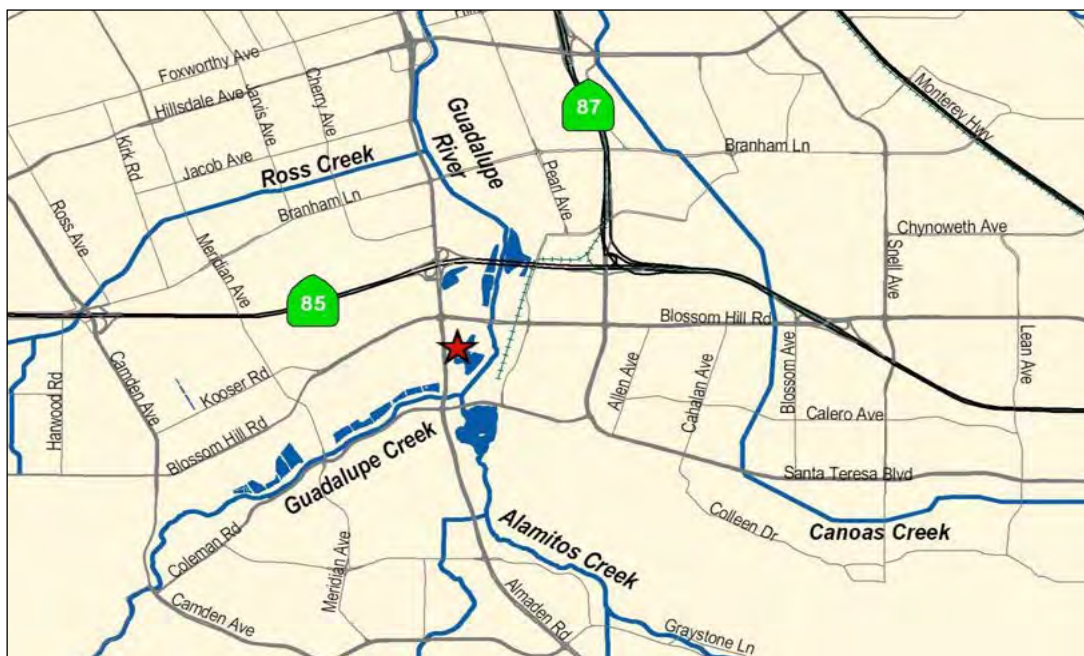
Existing Maintenance Building

PROJECT DESCRIPTION

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

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

PROJECT LOCATION



★ Project Location

SCHEDULE & STATUS

July 2014 to June 2026

| Phase | Cost | FY 21 | FY 22 | FY 23 | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 |
|-----------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Plan | 1,976 | | | | | | | | | | | |
| Design | 2,030 | | | | | | | | | | | |
| Construct | 9,803 | | | | | | | | | | | |
| Closeout | 50 | | | | | | | | | | | |
| | 13,859 | | | | | | | | | | | |

EXPENDITURE SCHEDULE

(in thousands \$)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|---|-----------------|----------------------|-------|-------|-------|-------|-------|--------|--------|
| Project | FY20 | FY21 | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 60204032-Headquarters Operations Building | 19 | 0 | 2,000 | 1,900 | 5,940 | 2,000 | 2,000 | 0 | 13,859 |
| with inflation | 19 | 0 | 2,090 | 2,075 | 6,544 | 2,385 | 2,492 | 0 | 15,605 |

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands \$)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|---|-------------|-------------|--------------|--------------------------|-------|-------|-------|-------|--------|--------|
| Project | FY20 | FY21 | | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 60204032-Headquarters Operations Building | 20 | 0 | 1 | 2,089 | 2,075 | 6,544 | 2,385 | 2,492 | 0 | 15,605 |

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands \$)

| | |
|-----------------------|---------------|
| SCVWD General Fund | 15,605 |
| Other Funding Sources | 0 |
| Total | 15,605 |

OPERATING COST IMPACTS

Operating costs will be determined during the design phase.

USEFUL LIFE: Not Available

Information Technology

Information Technology Capital Improvements

INFORMATION TECHNOLOGY OVERVIEW

Valley Water relies on its software systems and technology infrastructure to help manage its core responsibilities of water supply, flood protection, and environmental stewardship. Recognizing the importance of Information Technology to its success, Valley Water created a new IT Strategic Plan in 2019. The strategy extends through 2024 and consists of 68 capital and non-capital projects focusing on the following critical pillars: Data and Analytics, Modernization, Partnership and Alignment, and Security.

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

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

Major Capital Improvements Identified in the CIP

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

CIP PLANNING PROCESS AND FINANCIAL ANALYSIS

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

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

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


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

Information Technology Capital Improvements

The following table is a project funding schedule for information technology capital improvements resulting from this year's financial analysis. Detailed information for each project can be found in this document on the following pages in the order presented in this table. The chart also identifies partially funded projects and estimated unspent appropriation from FY 2020-21.


Information Technology Capital Improvements (\$K)

| Project Number | PROJECT NAME | Through FY20 | FY21 | FY21 Unspent | FY22 | FY23 | FY24 | FY25 | FY26 | FY27-36 | TOTAL |
|----------------|----------------------------------|---------------|--------------|--------------|--------------|--------------|--------------|--------------|------------|---------------|---------------|
| 73274009 | Data Consolidation | 1,083 | 74 | - | 76 | - | - | - | - | - | 1,233 |
| 73274001 | IT Disaster Recovery | 2,396 | - | - | 206 | - | - | - | - | - | 2,602 |
| 73274002 | ERP System Implementation | 14,608 | 2,258 | 1,956 | 324 | 248 | - | - | - | - | 17,438 |
| 73274008 | Software Upgrades & Enhancements | 3,184 | 871 | - | 372 | 2,007 | 1,248 | 405 | 504 | 6,779 | 15,370 |
| 73274012 | Telephone System Voiceover IP | 1,116 | 132 | 1 | - | - | - | - | - | - | 1,248 |
| 73274011 | E-Discovery Management System | 267 | - | (279) | 279 | - | - | - | - | - | 546 |
| 95274003 | WTP-WQL Network Equipment | 2,908 | - | - | 89 | 1,391 | 2,803 | 798 | 287 | 3,280 | 11,556 |
| TOTAL | | 25,562 | 3,335 | 1,678 | 1,346 | 3,646 | 4,051 | 1,203 | 791 | 10,059 | 49,993 |

 FY 2020-21 Funds to be reappropriated

Information Technology - Funding Sources (\$K)

| Fund Number | FUND NAME | Through FY20 | FY21 | FY21 Unspent | FY22 | FY23 | FY24 | FY25 | FY26 | FY27-36 | TOTAL |
|--------------|-------------------------------|---------------|--------------|--------------|--------------|--------------|--------------|--------------|------------|---------------|---------------|
| 61 | Water Utility Enterprise Fund | 2,908 | - | - | 89 | 1,391 | 2,803 | 798 | 287 | 3,280 | 11,556 |
| 73 | Information Technology Fund | 22,654 | 3,335 | 1,678 | 1,257 | 2,255 | 1,248 | 405 | 504 | 6,779 | 38,437 |
| TOTAL | | 25,562 | 3,335 | 1,678 | 1,346 | 3,646 | 4,051 | 1,203 | 791 | 10,059 | 49,993 |

 FY 2020-21 Funds to be reappropriated

| | |
|--------------------|------------------------------------|
| Project | Data Consolidation |
| Program | Information Technology |
| Project No. | 73274009 |
| Contact | Mike Cook mcook@valleywater.org |



Data consolidation will reduce Valley Water's data footprint

PROJECT DESCRIPTION

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

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

PROJECT LOCATION

No Map is provided for this project

SCHEDULE & STATUS

July 2015 to June 2023

| Phase | Cost | FY 21 | FY 22 | FY 23 | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Plan | - | | | | | | | | | | | |
| Design | - | | | | | | | | | | | |
| Construct | 1,110 | | | | | | | | | | | |
| Closeout | - | | | | | | | | | | | |
| | 1,231 | | | | | | | | | | | |

EXPENDITURE SCHEDULE

(in thousands \$)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|-----------------------------|-----------------|----------------------|------|------|------|------|------|--------|-------|
| Project | FY20 | FY21 | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 73274009-Data Consolidation | 121 | 1,037 | 73 | 0 | 0 | 0 | 0 | 0 | 1,231 |
| with inflation | 121 | 1,037 | 75 | 0 | 0 | 0 | 0 | 0 | 1,233 |

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands \$)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|-----------------------------|-------------|-------------|--------------|--------------------------|------|------|------|------|--------|-------|
| Project | FY20 | FY21 | | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 73274009-Data Consolidation | 1,083 | 74 | -1 | 76 | 0 | 0 | 0 | 0 | 0 | 1,233 |

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands \$)

| | |
|-----------------------------------|--------------|
| SCVWD Information Technology Fund | 1,233 |
| Other Funding Sources | 0 |
| Total | 1,233 |

OPERATING COST IMPACTS

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

USEFUL LIFE: 3-5 Years

| | |
|--------------------|---|
| Project | Information Technology Disaster Recovery |
| Program | Information Technology |
| Project No. | 73274001 |
| Contact | Michael Cook mcook@valleywater.org |



Existing Data Center that houses critical servers supporting Valley Water's normal operations

PROJECT DESCRIPTION

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

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

PROJECT LOCATION

No Map is provided for this project

SCHEDULE & STATUS

July 2014 to June 2022

| Phase | Cost | FY 21 | FY 22 | FY 23 | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Plan | 14 | | | | | | | | | | | |
| Design | 12 | | | | | | | | | | | |
| Construct | 1,935 | | | | | | | | | | | |
| Closeout | - | | | | | | | | | | | |
| 2,596 | | | | | | | | | | | | |

EXPENDITURE SCHEDULE

(in thousands \$)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|---|--------------|----------------------|------|------|------|------|------|--------|-------|
| Project | FY20 | FY21 | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 73274001-Information Technology Disaster Recovery | 684 | 1,712 | 200 | 0 | 0 | 0 | 0 | 0 | 2,596 |
| with inflation | 684 | 1,712 | 206 | 0 | 0 | 0 | 0 | 0 | 2,602 |

FUNDING SCHEDULE

(in thousands \$)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|---|-------------|-------------|--------------|--------------------------|------|------|------|------|--------|-------|
| Project | FY20 | FY21 | | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 73274001-Information Technology Disaster Recovery | 2,396 | 0 | 0 | 206 | 0 | 0 | 0 | 0 | 0 | 2,602 |

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands \$)

| | |
|-----------------------------------|--------------|
| SCVWD Information Technology Fund | 2,602 |
| Other Funding Sources | 0 |
| Total | 2,602 |

OPERATING COST IMPACTS

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

USEFUL LIFE: Not Available

| | |
|--------------------|---------------------------------------|
| Project | ERP System Implementation |
| Program | Information Technology |
| Project No. | 73274002 |
| Contact | Michael Cook mcook@valleywater.org |



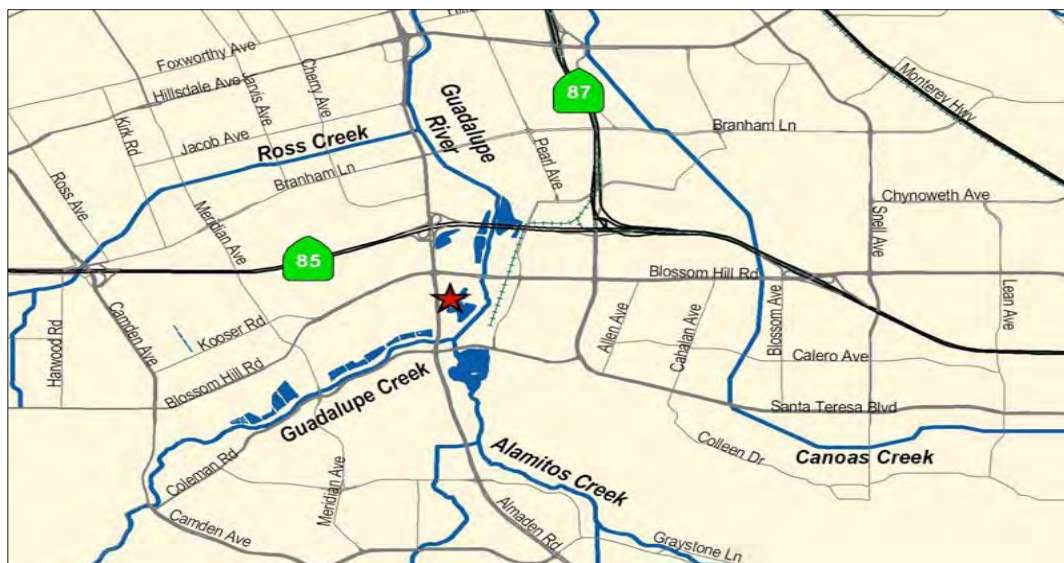
The new ERP system aims to increase operational efficiency

PROJECT DESCRIPTION

This project selects and implements a new cloud-based, integrated, proven and state-of-the-art Enterprise Resource Planning (ERP) system to replace the current out-of-date ERP application. Below are the objectives:

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

PROJECT LOCATION



★ Project Location

SCHEDULE & STATUS

July 2013 to March 2023

| Phase | Cost | FY 21 | FY 22 | FY 23 | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 |
|-----------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Plan | 1,438 | | | | | | | | | | | |
| Design | - | | | | | | | | | | | |
| Construct | 8,059 | | | | | | | | | | | |
| Closeout | - | | | | | | | | | | | |
| | 18,656 | | | | | | | | | | | |

EXPENDITURE SCHEDULE

(in thousands \$)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|------------------------------------|-----------------|----------------------|-------|------|------|------|------|--------|--------|
| Project | FY20 | FY21 | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 60274062-ERP System Implementation | 1,199 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,199 |
| with inflation | 1,199 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,199 |
| 73274002-ERP System Implementation | 10,597 | 4,451 | 2,182 | 227 | 0 | 0 | 0 | 0 | 17,457 |
| with inflation | 10,597 | 4,451 | 2,280 | 248 | 0 | 0 | 0 | 0 | 17,576 |
| TOTAL | 11,796 | 4,451 | 2,182 | 227 | 0 | 0 | 0 | 0 | 18,656 |
| with inflation | 11,796 | 4,451 | 2,280 | 248 | 0 | 0 | 0 | 0 | 18,775 |

FUNDING SCHEDULE

(in thousands \$)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|------------------------------------|-------------|-------------|--------------|--------------------------|------|------|------|------|--------|--------|
| Project | FY20 | FY21 | | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 60274062-ERP System Implementation | 1,199 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,199 |
| 73274002-ERP System Implementation | 14,608 | 2,258 | 1,818 | 462 | 248 | 0 | 0 | 0 | 0 | 17,576 |
| TOTAL | 15,807 | 2,258 | 1,818 | 462 | 248 | 0 | 0 | 0 | 0 | 18,775 |

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands \$)

| | |
|-----------------------------------|---------------|
| SCVWD General Fund | 1,199 |
| SCVWD Information Technology Fund | 17,576 |
| Total | 18,775 |

OPERATING COST IMPACTS

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

USEFUL LIFE: 5 Years

| | |
|--------------------|---|
| Project | Software Upgrades & Enhancements |
| Program | Information Technology |
| Project No. | 73274008 |
| Contact | Michael Cook mcook@valleywater.org |



Existing systems will be upgraded and enhanced

PROJECT DESCRIPTION

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

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

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

PROJECT LOCATION

No Map is provided for this project.

SCHEDULE & STATUS

July 2015 to June 2032

| Phase | Cost | FY 21 | FY 22 | FY 23 | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 |
|-----------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Plan | 325 | | | | | | | | | | | |
| Design | 221 | | | | | | | | | | | |
| Construct | 11,787 | | | | | | | | | | | |
| Closeout | - | | | | | | | | | | | |
| | 13,576 | | | | | | | | | | | |

EXPENDITURE SCHEDULE

(in thousands \$)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|---|-----------------|----------------------|------|-------|-------|------|------|--------|--------|
| Project | FY20 | FY21 | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 73274008-Software Upgrades & Enhancements | 1,887 | 2,168 | 361 | 1,892 | 1,142 | 360 | 435 | 5,331 | 13,576 |
| with inflation | 1,887 | 2,168 | 372 | 2,007 | 1,248 | 405 | 504 | 6,778 | 15,370 |

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands \$)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|---|----------------|----------------|-----------------|--------------------------|-------|-------|------|------|--------|--------|
| Project | FY20 | FY21 | | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 73274008-Software Upgrades & Enhancements | 3,184 | 871 | 0 | 372 | 2,007 | 1,248 | 405 | 504 | 6,778 | 15,370 |

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands \$)

| | |
|-----------------------------------|---------------|
| SCVWD Information Technology Fund | 15,370 |
| Other Funding Sources | 0 |
| Total | 15,370 |

OPERATING COST IMPACTS

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

USEFUL LIFE: Not Available

| | |
|-------------|---------------------------------------|
| Project | Telephone System Voice Over IP |
| Program | IT |
| Project No. | 73274012 |
| Contact | Michael Cook mcook@valleywater.org |



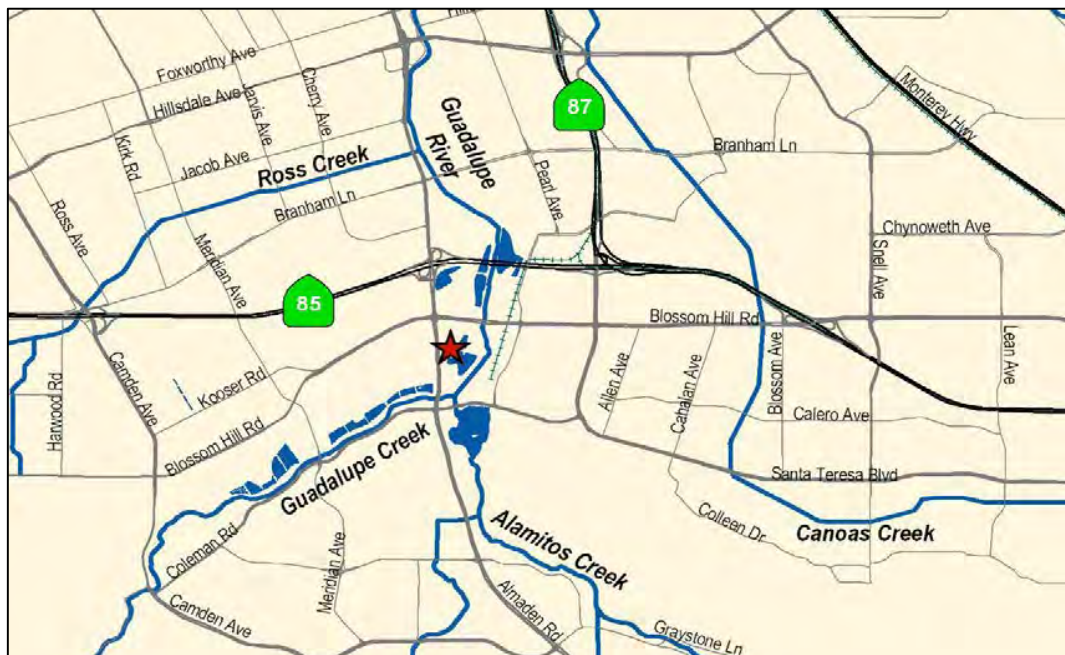
The current Avaya Telephone System was first installed in the Administration Building in 1986

PROJECT DESCRIPTION

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

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

PROJECT LOCATION



★ Project Location

SCHEDULE & STATUS

July 2019 to December 2021

| Phase | Cost | FY 21 | FY 22 | FY 23 | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Plan | - | | | | | | | | | | | |
| Design | - | | | | | | | | | | | |
| Construct | 1,248 | | | | | | | | | | | |
| Closeout | - | | | | | | | | | | | |
| | 1,248 | | | | | | | | | | | |

EXPENDITURE SCHEDULE

(in thousands \$)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|---|-----------------|----------------------|------|------|------|------|------|--------|-------|
| Project | FY20 | FY21 | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 73274012-Telephone System Voice Over IP | 0 | 1,247 | 1 | 0 | 0 | 0 | 0 | 0 | 1,248 |
| with inflation | 0 | 1,247 | 1 | 0 | 0 | 0 | 0 | 0 | 1,248 |

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands \$)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|---|-------------|-------------|--------------|--------------------------|------|------|------|------|--------|-------|
| Project | FY20 | FY21 | | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 73274012-Telephone System Voice Over IP | 1,116 | 132 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1,248 |

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands \$)

| | |
|-----------------------------------|--------------|
| SCVWD Information Technology Fund | 1,248 |
| Other Funding Sources | 0 |
| Total | 1,248 |

OPERATING COST IMPACTS

N/A

USEFUL LIFE: 7-10 Years

| | |
|--------------------|---------------------------------------|
| Project | E-Discovery Management System |
| Program | Information Technology |
| Project No. | 73274011 |
| Contact | Michael Cook mcook@valleywater.org |



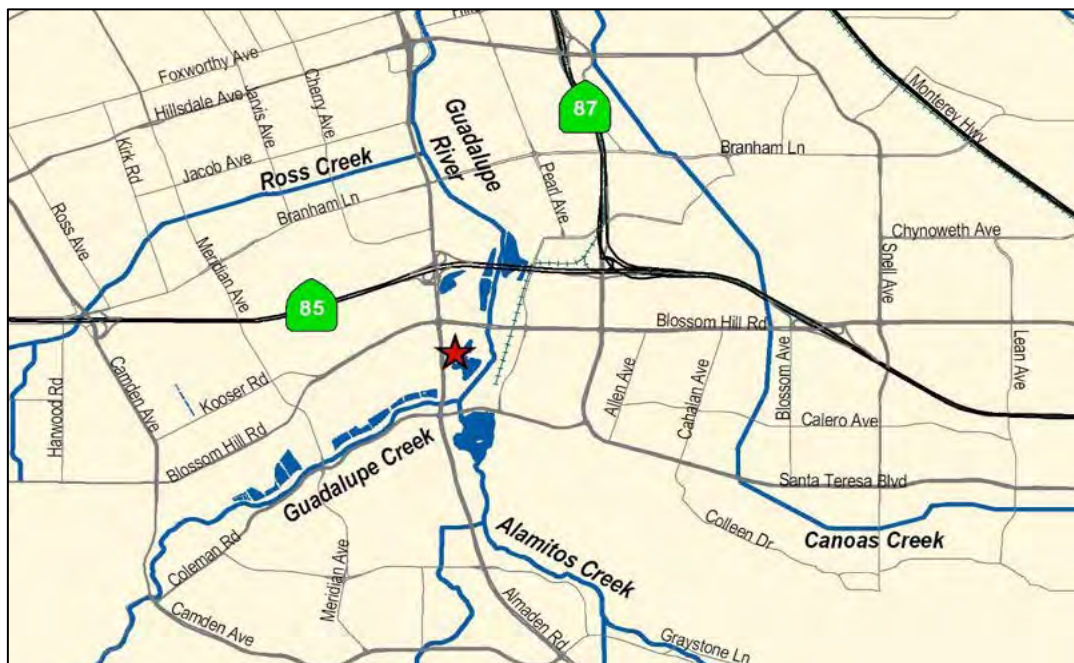
Screenshot of the Valley Water's Public Records web page

PROJECT DESCRIPTION

This project plans, designs, and implements a software solution to accomplish the following objectives:

- ♦ Issue formal notification of litigation holds.
- ♦ Search and locate/identify electronically stored information (ESI).
- ♦ Collect, preserve, process, review, and analyze ESI.
- ♦ Produce ESI in context to litigation, in response to California Public Records requests, and other government investigations.

PROJECT LOCATION



★ Project Location

SCHEDULE & STATUS

April 2017 to June 2020

| Phase | Cost | FY 21 | FY 22 | FY 23 | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 |
|-----------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Plan | - | | | | | | | | | | | |
| Design | - | | | | | | | | | | | |
| Construct | - | | | | | | | | | | | |
| Closeout | - | | | | | | | | | | | |
| 546 | | | | | | | | | | | | |

EXPENDITURE SCHEDULE

(in thousands \$)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|--|-----------------|----------------------|------|------|------|------|------|--------|-------|
| Project | FY20 | FY21 | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 73274011-E-Discovery Management System | 546 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 546 |
| with inflation | 546 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 546 |

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands \$)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|--|----------------|----------------|-----------------|--------------------------|------|------|------|------|--------|-------|
| Project | FY20 | FY21 | | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 73274011-E-Discovery Management System | 267 | 0 | -279 | 279 | 0 | 0 | 0 | 0 | 0 | 546 |

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands \$)

| | |
|-----------------------------------|------------|
| SCVWD Information Technology Fund | 546 |
| Other Funding Sources | 0 |
| Total | 546 |

OPERATING COST IMPACTS

Operating cost impacts of the project includes maintenance of the Exterro subscription, and are estimated to be \$200,000 per year, beginning in FY21.

USEFUL LIFE: Not available

| | |
|--------------------|---------------------------------------|
| Project | WTP-WQL Network Equipment |
| Program | Information Technology |
| Project No. | 95274003 |
| Contact | Michael Cook mcook@valleywater.org |



View of network equipment to be modernized at the Water Quality Lab

PROJECT DESCRIPTION

This project plans, designs, and implements upgrades to the existing network to ensure that Valley Water has a current and robust computer network to accomplish the following objectives:

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

PROJECT LOCATION



★ Project Location

SCHEDULE & STATUS

July 2014 to June 2032

| Phase | Cost | FY 21 | FY 22 | FY 23 | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Plan | - | | | | | | | | | | | |
| Design | - | | | | | | | | | | | |
| Construct | 8,931 | | | | | | | | | | | |
| Closeout | - | | | | | | | | | | | |
| 9,916 | | | | | | | | | | | | |

EXPENDITURE SCHEDULE

(in thousands \$)

| | Actuals Thru | Planned Expenditures | | | | | | | Total |
|------------------------------------|--------------|----------------------|------|-------|-------|------|------|--------|--------|
| Project | FY20 | FY21 | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 95274003-WTP-WQL Network Equipment | 1,451 | 1,457 | 85 | 1,274 | 2,456 | 669 | 230 | 2,294 | 9,916 |
| with inflation | 1,451 | 1,457 | 89 | 1,391 | 2,803 | 798 | 287 | 3,281 | 11,556 |

FUNDING SCHEDULE

(in thousands \$)

| | Budget Thru | Adj. Budget | Est. Unspent | Planned Funding Requests | | | | | | Total |
|------------------------------------|-------------|-------------|--------------|--------------------------|-------|-------|------|------|--------|--------|
| Project | FY20 | FY21 | | FY22 | FY23 | FY24 | FY25 | FY26 | Future | |
| 95274003-WTP-WQL Network Equipment | 2,908 | 0 | 0 | 89 | 1,391 | 2,803 | 798 | 287 | 3,281 | 11,556 |

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands \$)

| | |
|-------------------------------------|---------------|
| SCVWD Water Utility Enterprise Fund | 11,556 |
| Other Funding Sources | 0 |
| Total | 11,556 |

OPERATING COST IMPACTS

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

USEFUL LIFE: 10 Years

Financial Planning

Financial Planning and Summary

CIP FINANCIAL PLANNING

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

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

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

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

KEY REVENUES SOURCES

Water Charges

- Water charges include a ground water production charge, which is equivalent to the basic user charge, and is associated with the benefit of managing groundwater supplies. The groundwater charge is applied to water extracted from the groundwater basin in Zones W-2 and the recently modified Zones W-5, W-7 and W-8. The basic user charge is applied to other types of water delivered by Valley Water. There are two rates: one for agricultural water and one for municipal and industrial water.
- A treated water surcharge, which is associated with the benefit of receiving treated water, is levied in addition to the basic user charge on water delivered from Valley Water’s water treatment plants.

Property Tax

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

Special Parcel Tax

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

Benefit Assessments

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

Capital Reimbursements

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

Interest

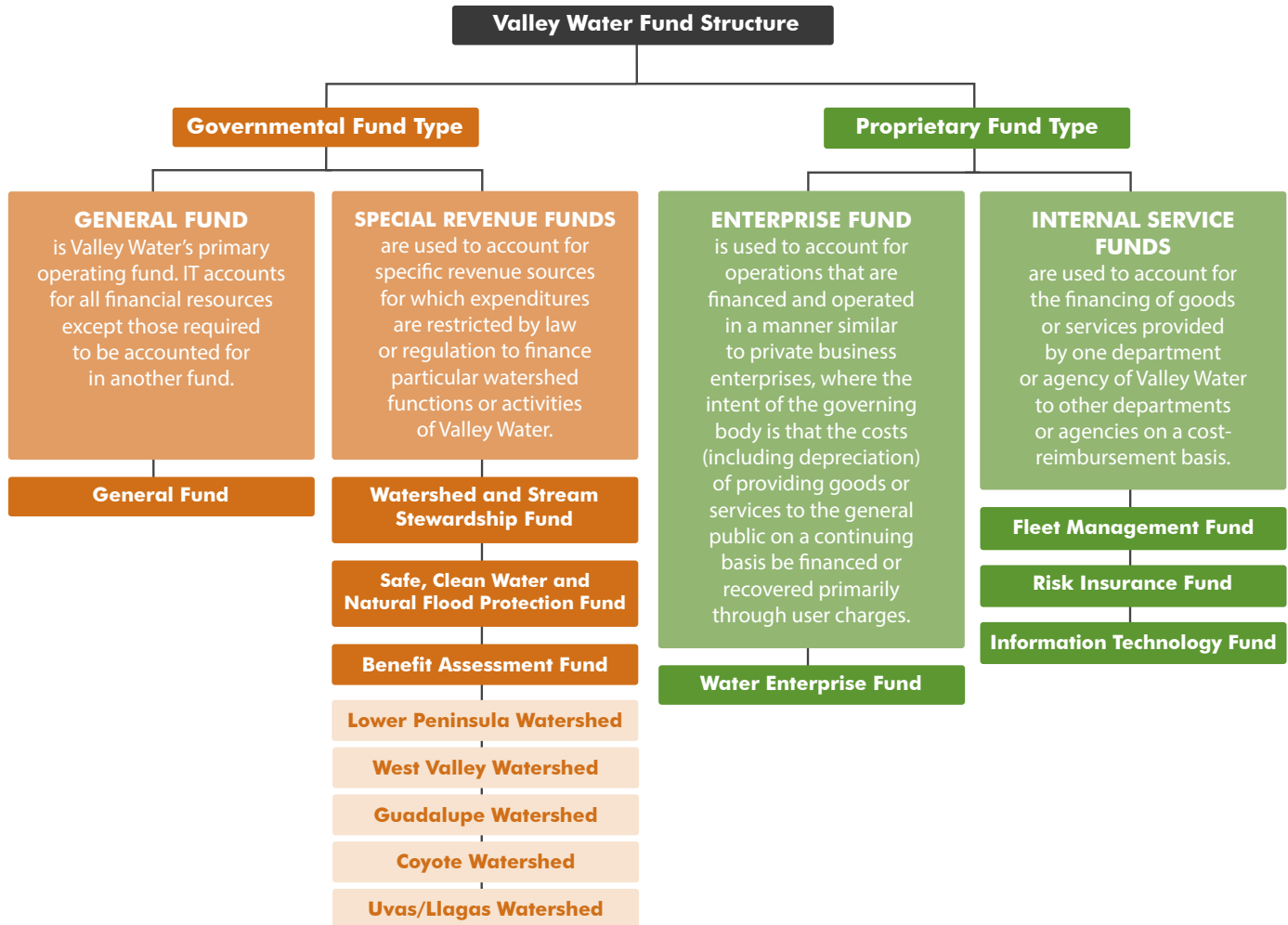
Interest is earned from Valley Water’s investment portfolio.

Financial Planning and Summary

Valley Water Fund Structure

Valley Water's revenue sources are organized into eight funds. Each fund has specific revenue sources according to their intended purposes, and each fund is

an independent accounting entity with a self-balancing set of accounts comprised of its assets, liabilities, fund equity, revenue, and expenditures or expenses, as appropriate.



Revenue by Fund (\$K)

| FUND NAME | FY20 Actual | FY21 Adopted | FY22 | FY23 | FY24 | FY25 | FY26 | FY27 | FY28 | FY29 | FY30 | FY31 |
|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Water Utility Enterprise | 313,336 | 309,096 | 331,100 | 384,277 | 420,821 | 533,410 | 573,053 | 615,942 | 663,413 | 613,213 | 666,445 | 724,877 |
| Watershed Stream Stewardship | 114,731 | 119,504 | 122,952 | 126,537 | 130,331 | 122,665 | 126,135 | 129,475 | 123,471 | 127,601 | 131,609 | 137,317 |
| Safe, Clean Water and Natural Flood Protection | 64,385 | 63,648 | 106,228 | 100,710 | 59,940 | 51,748 | 52,868 | 53,830 | 54,733 | 55,594 | 56,758 | 57,914 |
| Benefit Assessment | 13,445 | 12,369 | 13,454 | 13,444 | 13,443 | 6,850 | 6,855 | 6,852 | 6,855 | 6,856 | 6,854 | - |
| General | 9,662 | 9,365 | 9,959 | 10,302 | 10,658 | 11,025 | 11,352 | 11,725 | 12,071 | 12,428 | 12,795 | 13,211 |
| Internal Service | 989 | 480 | 368 | 369 | 370 | 371 | 372 | 451 | 452 | 453 | 456 | 537 |
| TOTAL | 516,549 | 514,462 | 584,060 | 635,639 | 635,562 | 726,069 | 770,634 | 818,275 | 860,994 | 816,145 | 874,917 | 933,855 |

Note: Internal Service is the combination of the Fleet Management, IT Capital, and Risk Funds

Financial Planning and Summary

Revenue Projections

Valley Water regularly updates the projected revenues based on the best information available.

- Revenues from water charges are estimated based on projections of water demand for residential, commercial, industrial, and agricultural consumption combined with rates per acre-foot. Rates are set at a level that will provide revenue needed to meet operating and capital needs.
- Revenues from property taxes, special parcel taxes, and benefit assessments are estimated based on projection of growth in assessed value and number of developed parcels in Santa Clara County.
- Interest earnings are estimated based on the projected average cash balances during the fiscal year and expected yield from Valley Water's investment portfolio.
- Revenue from capital reimbursements partnerships are estimated based on the terms of agreements executed by Valley Water and its partners.

Expenditure Projections

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

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

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

Financial Analysis

Valley Water regularly performs financial analysis to comply with the Board's Financial Planning/Budgeting

Policy. Valley Water uses sophisticated financial models to perform the analysis for each fund. The projected operation expenditures, capital expenditures, and revenues for the next ten years are incorporated into the financial models to analyze the health of each fund under various economic scenarios. This process assures that funds will be available when needed to implement the CIP.

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

Debt Projections and Debt Ratios

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

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

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

Financial Planning and Summary

Relationship between the Operating Budget and CIP

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

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

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

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

Debt Payment Schedule (\$K)

| Fund | FY21 | FY22 | FY23 | FY24 | FY25 | FY26 |
|---|---------------|---------------|---------------|---------------|---------------|----------------|
| General Fund | 474 | 473 | 472 | 472 | - | - |
| Benefit Assessment Fund | 11,162 | 11,090 | 11,086 | 11,087 | 5,757 | 5,762 |
| Safe, Clean Water and Natural Flood Protection Fund | 1,750 | 7,050 | 12,117 | 14,842 | 16,724 | 17,709 |
| Water Utility Enterprise Fund | 34,175 | 44,015 | 52,561 | 62,740 | 72,261 | 76,720 |
| Information Technology Fund | - | - | - | - | - | - |
| TOTAL | 47,560 | 62,628 | 76,235 | 89,141 | 94,742 | 100,191 |

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

Estimated Operating Impacts (\$K)

| Fund | FY21 | FY22 | FY23 | FY24 | FY25 | BEYOND |
|---|------------|--------------|--------------|------------|--------------|--------------|
| General Fund | - | - | - | - | - | - |
| Watershed Stream Stewardship Fund | 500 | 526 | 741 | (592) | (592) | (592) |
| Safe, Clean Water and Natural Flood Protection Fund | 100 | 480 | 480 | 1,015 | 1,805 | 4,665 |
| Water Utility Enterprise Fund | 33 | 41 | 41 | (208) | (138) | 1,318 |
| Information Technology Fund | 200 | 200 | 379 | 384 | 390 | 396 |
| TOTAL | 833 | 1,247 | 1,641 | 599 | 1,465 | 5,787 |

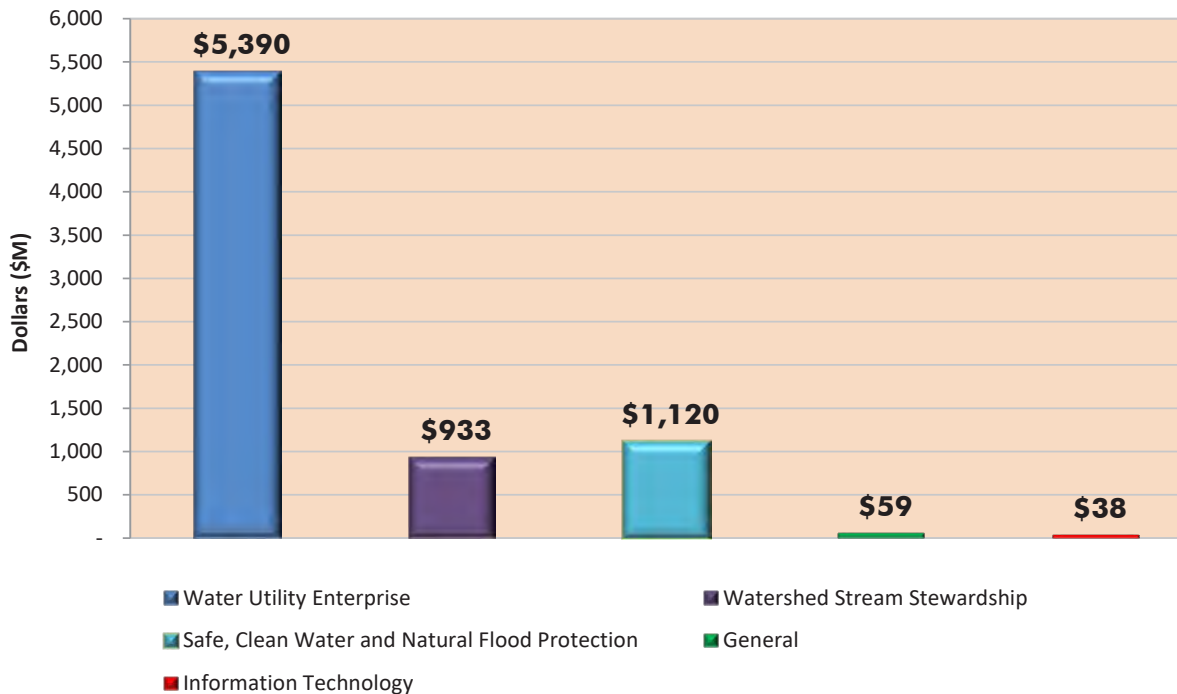
Financial Planning and Summary

CIP FUNDING SUMMARY

Of the \$7.540 billion in total Valley Water funding for current and future projects, the Board appropriated \$1.899 billion in prior years through June 30, 2021 (the end of fiscal year 2020-21). This year's CIP

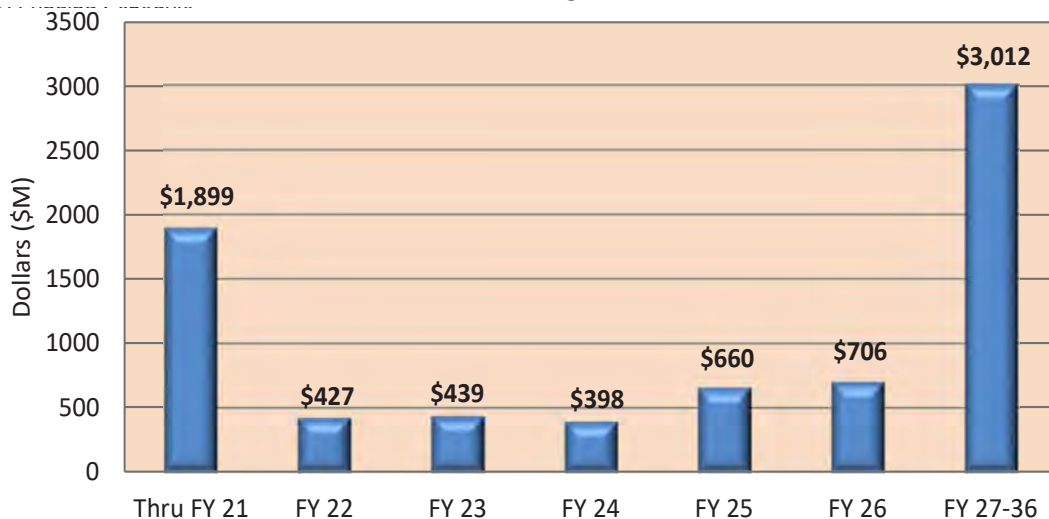
process identified additional funding needs of \$5.642 billion to complete the projects in the CIP, with \$427 million allocated in fiscal year 2021-22 and a total of \$5.215 billion proposed for future years.

CIP Total Funding by Fund



The needed \$7.540 billion to implement the 67 capital projects as defined in the CIP are funded by five of Valley Water's funds.

CIP Funding Schedule



This chart shows the funding schedule for the \$7.540 billion to implement the 67 capital projects.

Financial Planning and Summary

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

| PROJECT NAME | Through FY20 | FY21 | FY21 Unspent | FY22 | FY23 | FY24 | FY25 | FY26 | FY27-36 | TOTAL |
|--|--------------|--------|--------------|---------|--------|--------|---------|---------|-----------|-----------|
| Almaden Dam Improvements | 14,604 | 168 | 346 | - | - | - | 103 | 125 | 51,007 | 66,007 |
| Anderson Dam Seismic Retrofit (C1) | 62,940 | 36,135 | - | 130,833 | 75,085 | 70,155 | 52,340 | 47,088 | 174,169 | 648,745 |
| Calero and Guadalupe Dams Seismic Retrofits | 32,015 | 2,900 | 1,840 | 2,080 | 465 | 114 | 13,163 | 26,249 | 184,927 | 261,913 |
| Coyote Pumping Plant ASD Replacement | 2,260 | 2,117 | 2,000 | - | 6,340 | 4,123 | 646 | 81 | - | 15,567 |
| Coyote Warehouse | 9,360 | 284 | - | 73 | 66 | - | - | - | - | 9,783 |
| Dam Seismic Stability Evaluation | 22,236 | 352 | 353 | 65 | 437 | 456 | 5,903 | 436 | 1,430 | 31,315 |
| Small Capital Improvements, San Felipe Reach 1-3 | n/a | 5,724 | - | 2,917 | 1,522 | 153 | 1,041 | 112 | 68,491 | 79,960 |
| Pacheco Reservoir Expansion Project | 52,366 | 27,919 | 136 | 30,918 | 45,103 | 48,627 | 235,788 | 304,583 | 1,774,317 | 2,519,621 |
| 10-Year Pipeline Rehabilitation (FY18-FY27) | 55,239 | 16,995 | 4,636 | 16,243 | 25,134 | 11,457 | 12,171 | 1,756 | 2,110 | 141,105 |
| Almaden Valley Pipeline Replacement Project | - | 668 | - | 828 | 1,253 | 2,465 | 1,893 | 2,396 | 80,527 | 90,030 |
| Distribution Systems Implementation Project | - | 2,383 | 383 | 2,858 | 2,668 | - | - | - | - | 7,909 |
| FAHCE Implementation | - | - | - | - | 4,739 | 4,379 | 14,691 | 14,690 | 106,609 | 145,108 |
| Pacheco/Santa Clara Conduit Right of Way Acquisition | 2,827 | 507 | 5 | 1,662 | 306 | - | - | - | - | 5,302 |
| SCADA Implementation Project | - | 1,365 | - | 2,387 | 2,728 | - | - | - | - | 6,480 |
| Small Capital Improvements, Raw Water Transmission | n/a | 82 | - | 169 | 17 | 382 | 6,722 | 272 | 4,248 | 11,892 |
| Small Capital Improvements, Treated Water Transmission | n/a | - | - | 36 | 39 | 30 | 119 | 52 | 255 | 531 |
| Treated Water Isolation Valves | 1,271 | - | 1,245 | - | - | 2,330 | - | 2,439 | 2,642 | 8,682 |
| Westside Retailer Interties | 147 | - | - | - | - | - | - | - | - | 147 |
| Vasona Pump Station Upgrade | 1,905 | 1,218 | - | 717 | 19,159 | 545 | 200 | - | - | 23,744 |
| PWTP Residuals Management | - | 683 | - | 1,987 | 1,510 | 1,625 | 10,096 | 18,782 | 9,572 | 44,255 |
| RWTP Residuals Remediation | 46,205 | 10,315 | 17,098 | 5,316 | 8,791 | 633 | - | - | - | 71,260 |
| RWTP Reliability Improvement | 220,363 | 31,506 | 221 | 20,620 | 21,901 | 24,570 | 22,700 | 17,660 | - | 359,320 |
| RWTP Treated Water Valves Upgrade | 8,624 | - | 5 | 6 | - | - | - | - | - | 8,630 |
| Small Capital Improvements, Water Treatment | - | 10,285 | - | 7,503 | 1,415 | 5,382 | 3,170 | 3,370 | 23,152 | 54,277 |
| STWTP Filter Media Replacement Project | 203 | 445 | 1 | 2,812 | 4,912 | 1,728 | - | - | - | 10,100 |
| Water Treatment Plant Electrical Improvement Project | 203 | 446 | - | 879 | 2,488 | 5,851 | 2,049 | - | - | 11,916 |
| WTP Implementation Project | - | 1,394 | - | 3,322 | 3,418 | - | - | - | - | 8,134 |
| Expedited Purified Water Program (EPWP) | 25,697 | 1,412 | 1,786 | 1,140 | 29,151 | 30,382 | 176,239 | 177,647 | 176,127 | 617,795 |
| Land Rights - South County Recycled Water PL | - | 203 | 203 | 345 | 3,407 | 3,605 | - | - | - | 7,560 |

FY 2020-21 Funds to be reappropriated

Financial Planning and Summary

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

| PROJECT NAME | Through FY20 | FY21 | FY21 Unspent | FY22 | FY23 | FY24 | FY25 | FY26 | FY27-36 | TOTAL |
|---|-----------------|----------------|-----------------|----------------|----------------|----------------|----------------|----------------|------------------|------------------|
| South County Recycled Water Pipeline | 36,557 | 248 | 278 | 15,314 | 4,895 | - | - | - | - | 57,014 |
| FAHCE Stevens Creek Fish Passage Enhancement - 90% | 765 | - | - | - | 1,692 | 2,726 | 43 | - | - | 5,226 |
| Project 1 Design & Construction (e.g. Metcalf Ponds) | - | - | - | - | 2,184 | 2,282 | 2,385 | 11,680 | 12,049 | 30,580 |
| Project 2 Construction (e.g. Ogier Ponds) | - | - | - | - | - | - | - | - | 18,877 | 18,877 |
| WTP-WQL Network Equipment | 2,908 | - | - | 89 | 1,391 | 2,803 | 798 | 287 | 3,280 | 11,556 |
| TOTAL | 598,695 | 155,754 | 30,536 | 251,119 | 272,216 | 226,803 | 562,260 | 629,705 | 2,693,789 | 5,390,341 |

 FY 2020-21 Funds to be reappropriated

Financial Planning and Summary

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

| PROJECT NAME | Through FY20 | FY21 | FY21 Unspent | FY22 | FY23 | FY24 | FY25 | FY26 | FY27-36 | TOTAL |
|--|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|----------------|
| Palo Alto Flood Basin Tide Gate Structure Improvements | 4,392 | 83 | 552 | 3,062 | 8,849 | 8,862 | 8,898 | 4,904 | - | 39,050 |
| Permanente Creek, SF Bay to Foothill Expressway | 17,541 | - | 178 | - | - | - | - | - | - | 17,541 |
| San Francisquito Creek, SF Bay thru Searsville Dam | 4,064 | - | - | - | - | - | - | - | - | 4,064 |
| San Francisquito Creek, Early Implementation | 1,614 | - | - | - | - | - | - | - | - | 1,614 |
| Guadalupe River Tasman Dr - I-880 | 1,080 | 1,838 | - | 2,677 | 2,358 | 28,293 | 29,753 | 29,912 | - | 95,911 |
| Berryessa Ck, Lower Penitencia Ck to Calaveras Blvd Phs 1 | 50,191 | - | 3,339 | - | - | - | - | - | - | 50,191 |
| Berryessa Ck, Lower Penitencia Ck to Calaveras Blvd Phs 2 | 62,075 | 10,715 | - | 12,288 | 885 | 377 | 274 | - | - | 86,614 |
| Berryessa Ck, Lower Penitencia Ck to Calaveras Blvd Phs 3 | - | - | - | - | - | - | - | 2,106 | 65,055 | 67,161 |
| Cunningham Flood Detention Certification | 11,806 | 4 | 3 | 28 | - | - | - | - | - | 11,838 |
| Lower Penitencia Ck Improvements, Berryessa to Coyote Cks. | 11,286 | 7,745 | 7,503 | 230 | 7,811 | 628 | 322 | - | - | 28,022 |
| Lower Silver Creek, I-680 to N. Babb Rd (Reach 4 Planning) | 2,371 | - | - | - | - | - | - | - | - | 2,371 |
| Lower Silver Creek, I-680 to Cunningham (Reach 4-6) | 97,005 | 167 | 24 | 28 | 55 | - | - | - | - | 97,255 |
| Lower Silver Creek, I-680 to Cunningham, Reimbursable (Reach 4-6) | 2,912 | - | 760 | - | - | - | - | - | - | 2,912 |
| Upper Penitencia Ck, Coyote Ck-Dorel Dr, Corps | 9,466 | - | - | - | - | - | - | - | - | 9,466 |
| Upper Penitencia Ck, Coyote Ck-Dorel Dr, LERRDs | 4,831 | - | 2,522 | - | - | - | - | - | - | 4,831 |
| Llagas Creek-Lower, Capacity Restoration, Buena Vista Road to Pajaro River | 6,947 | - | 2,763 | - | - | - | 3,239 | 3,462 | 391 | 14,039 |
| San Francisco Bay Shoreline | 49,353 | 48,311 | - | 21,648 | 1,717 | 33,483 | 119 | 125 | - | 154,756 |
| San Francisco Bay Shoreline - Contribution | 490 | - | - | - | - | - | - | - | - | 490 |
| Shoreline Early Implementation | 359 | - | - | - | - | - | - | - | - | 359 |
| Watersheds Asset Rehabilitation Program | 35,831 | 3,531 | 7,809 | 10,910 | 2,566 | 2,646 | 2,730 | 2,829 | 121,531 | 182,574 |
| SMP Mitigation, Stream and Watershed Land Preservation | 16,769 | - | 1 | - | - | - | - | - | - | 16,769 |
| FAHCE Stevens Creek Fish Passage Enhancement - 10% | 85 | - | - | - | 188 | 303 | 5 | - | - | 581 |
| Stevens Creek Fish Barrier Removal - 100% | - | - | - | - | 568 | 3,526 | 3,642 | 3,637 | 2,248 | 13,621 |
| Project 2 Construction (e.g. Ogier Ponds) | - | - | - | - | - | - | - | - | 18,876 | 18,876 |
| Salt Ponds A5-11 Restoration | 5,082 | 171 | - | 585 | 1,268 | 435 | - | - | - | 7,541 |
| Watershed Habitat Enhancement Studies | 3,170 | 1,034 | - | - | - | - | - | - | - | 4,204 |
| TOTAL | 398,720 | 73,599 | 25,454 | 51,456 | 26,265 | 78,553 | 48,982 | 46,975 | 208,101 | 932,651 |

FY 2020-21 Funds to be reappropriated

Financial Planning and Summary

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


| PROJECT NAME | Through FY20 | FY21 | FY21 Unspent | FY22 | FY23 | FY24 | FY25 | FY26 | FY27-36 | TOTAL |
|---|-----------------|---------------|-----------------|----------------|----------------|---------------|---------------|---------------|---------------|------------------|
| IRP2 Additional Line Valves (A3) | 1,489 | 634 | 2 | 1,832 | 27 | 2,427 | 2,492 | 2,576 | 91 | 11,568 |
| Main & Madrone Pipelines Restoration (A1) | 17,570 | - | 2 | - | - | - | - | - | - | 17,570 |
| Permanente Creek, SF Bay to Foothill Expressway | 91,031 | 7,645 | - | - | - | - | - | - | - | 98,676 |
| San Francisquito Creek, SF Bay thru Searsville Dam (E5) | 6,782 | - | - | - | - | - | - | - | - | 6,782 |
| San Francisquito Creek - Construction, SF Bay to Middlefield Road (E5) | 50,291 | 370 | 1 | 12,725 | 24,295 | 6,885 | - | - | - | 94,566 |
| Sunnyvale East and West Channels | 35,438 | 2,480 | - | 17,705 | 14,555 | 456 | - | - | - | 70,634 |
| Guadalupe Rv-Upper, Fish Passage Mods | 2,651 | - | - | - | - | - | - | - | - | 2,651 |
| Guadalupe Rv-Upper, I-280 to SPRR (R6) | 34,705 | - | 1,095 | 562 | 33 | 34 | 36 | 37 | 2,996 | 38,403 |
| Guadalupe Rv-Upper, SPRR-Blossom Hill (R7-12) | 89,399 | - | 22,869 | - | - | - | - | - | 38,877 | 128,276 |
| Guadalupe Rv-Upper, Actuals chg to other proj numbers | 7,887 | - | - | - | - | - | - | - | - | 7,887 |
| Berryessa Ck, Calaveras-I-680 - Corps | 35,566 | 29 | - | - | - | - | - | - | - | 35,595 |
| Berryessa Ck, Calaveras-I-680 - Reimbursable | 18,987 | 3 | - | - | - | - | - | - | - | 18,990 |
| Coyote Creek, Montague Expressway to Tully Road | 15,036 | 2,199 | 2,528 | 1,598 | 6,661 | 11,166 | 22,382 | 3,895 | - | 62,937 |
| Upper Penitencia Ck, Coyote Ck-Dorel Dr, Corps (E4) | 4,719 | 3,898 | 2,516 | 113 | 218 | 2,067 | 1,599 | 4,449 | 8,573 | 25,636 |
| Llagas Creek-Upper, Reimbursable (E6b) | 45,040 | - | 82 | - | - | - | 7 | - | - | 45,047 |
| Llagas Creek-Upper, Corps Coordination (E6a) | 50,636 | 47,476 | - | 59,398 | 57,413 | 32,386 | 9,242 | 312 | - | 256,863 |
| Llagas Creek-Upper, Technical Studies | 1,446 | - | - | - | - | - | - | - | - | 1,446 |
| Llagas Creek-Upper, Design | 28,193 | - | 4,473 | - | - | - | 184 | 1,184 | - | 29,561 |
| San Francisco Bay Shoreline - EIA 11 Design & Partial Construction (E7) | 17,510 | 5 | - | - | - | - | - | - | - | 17,515 |
| San Francisco Bay Shoreline - EIAs 1-4 | 3,757 | - | 1 | 1,359 | 1,839 | 2,957 | 1,222 | 6,480 | 13,848 | 31,462 |
| San Francisco Bay Shoreline - EIAs 5-10 | - | - | - | 1,045 | 1,092 | 1,141 | 3,578 | 3,739 | 3,907 | 14,502 |
| Hale Creek Enhancement Pilot Study (D6) | 4,853 | 172 | - | 3,824 | - | - | - | - | - | 8,849 |
| Almaden Lake Improvements (D4.1a) | 5,707 | 1,710 | 545 | 9,325 | 20,662 | 19,681 | 775 | 31 | 67 | 57,958 |
| South Bay Salt Ponds Restoration (D8) | 548 | - | 243 | - | - | - | - | - | - | 548 |
| SCW Fish Passage Improvements (D4.3; Bolsa, Evelyn, Singleton) | 5,328 | - | 1 | 5,944 | 2,402 | - | - | - | - | 13,674 |
| SCW Implementation Fund | - | - | - | - | 2,127 | 1,184 | 218 | - | - | 3,529 |
| Ogier Ponds Separation from Coyote Creek (D4.1b) | 1,598 | - | 512 | 1,546 | 940 | - | - | - | - | 4,084 |
| TOTAL | 576,167 | 66,621 | 34,870 | 116,976 | 132,264 | 80,384 | 41,735 | 22,703 | 83,211 | 1,120,061 |

 FY 2020-21 Funds to be reappropriated

Financial Planning and Summary


Project Funding Schedule for General Fund (\$K)

| PROJECT NAME | Through FY20 | FY21 | FY21 Unspent | FY22 | FY23 | FY24 | FY25 | FY26 | FY27-36 | TOTAL |
|---|--------------|--------------|--------------|--------------|--------------|---------------|--------------|--------------|---------------|---------------|
| Facility Management, Small Capital Improvements | n/a | 3,016 | - | 4,000 | 4,000 | 4,000 | 4,000 | 4,000 | 20,000 | 43,016 |
| Headquarters Operations Building | 20 | - | 1 | 2,089 | 2,075 | 6,544 | 2,385 | 2,492 | - | 15,605 |
| TOTAL | 20 | 3,016 | 1 | 6,089 | 6,075 | 10,544 | 6,385 | 6,492 | 20,000 | 58,621 |

 FY 2020-21 Funds to be reappropriated


Project Funding Schedule for Information Technology Fund (\$K)

| PROJECT NAME | Through FY20 | FY21 | FY21 Unspent | FY22 | FY23 | FY24 | FY25 | FY26 | FY27-36 | TOTAL |
|----------------------------------|---------------|--------------|--------------|--------------|--------------|--------------|------------|------------|--------------|---------------|
| Data Consolidation | 1,083 | 74 | - | 76 | - | - | - | - | - | 1,233 |
| IT Disaster Recovery | 2,396 | - | - | 206 | - | - | - | - | - | 2,602 |
| ERP System Implementation | 14,608 | 2,258 | 1,956 | 324 | 248 | - | - | - | - | 17,438 |
| Software Upgrades & Enhancements | 3,184 | 871 | - | 372 | 2,007 | 1,248 | 405 | 504 | 6,779 | 15,370 |
| Telephone System Voiceover IP | 1,116 | 132 | 1 | - | - | - | - | - | - | 1,248 |
| E-Discovery Management System | 267 | - | (279) | 279 | - | - | - | - | - | 546 |
| TOTAL | 22,654 | 3,335 | 1,678 | 1,257 | 2,255 | 1,248 | 405 | 504 | 6,779 | 38,437 |

 FY 2020-21 Funds to be reappropriated

CIP Funding Schedule Summary for All Funds (\$K)

| FUND NAME | Through FY20 | FY21 | FY21 Unspent | FY22 | FY23 | FY24 | FY25 | FY26 | FY27-36 | TOTAL |
|--|------------------|----------------|---------------|----------------|----------------|----------------|----------------|----------------|------------------|------------------|
| Water Utility Enterprise | 598,695 | 155,754 | 30,536 | 251,119 | 272,216 | 226,803 | 562,260 | 629,705 | 2,693,789 | 5,390,341 |
| Watershed Stream Stewardship | 398,720 | 73,599 | 25,454 | 51,456 | 26,265 | 78,553 | 48,982 | 46,975 | 208,101 | 932,651 |
| Safe, Clean Water and Natural Flood Protection | 576,167 | 66,621 | 34,870 | 116,976 | 132,264 | 80,384 | 41,735 | 22,703 | 83,211 | 1,120,061 |
| General | 20 | 3,016 | 1 | 6,089 | 6,075 | 10,544 | 6,385 | 6,492 | 20,000 | 58,621 |
| Information Technology | 22,654 | 3,335 | 1,678 | 1,257 | 2,255 | 1,248 | 405 | 504 | 6,779 | 38,437 |
| TOTAL | 1,596,256 | 302,325 | 92,539 | 426,897 | 439,075 | 397,532 | 659,767 | 706,379 | 3,011,880 | 7,540,111 |

 FY 2020-21 Funds to be reappropriated

Appendices

Appendix A - Valley Water Partnership Summary

Partnership Reimbursements are funds that are reimbursed by Valley Water's partners after Valley Water advances the needed funds. The following table identifies capital projects that are funded cooperatively with Valley Water's partners through reimbursements.

Partnership Reimbursement

FY 2021-36 Planned Capital Reimbursement Schedule

| Project Number | Project Name | Agency | Claims | Actuals | | | | | | | Total |
|---|---|---|--------------------|-----------|--------|--------|--------|---------|--------|---------|---------|
| | | | On-hand (09/14/20) | Thru FY20 | FY21 | FY22 | FY23 | FY24 | FY25 | Future | |
| 91214010 | Small Capital Improvements, San Felipe - Rch 1 | Total | 0 | 2,481 | 329 | 838 | 338 | 335 | 22 | 14,615 | 18,958 |
| | | San Benito Water Dist | | 2,481 | 329 | 838 | 338 | 335 | 22 | 14,615 | 18,958 |
| 91954002 | Pacheco Reservoir Expansion Project | Total | 0 | 5,488 | 14,937 | 3,775 | 7,249 | 82,031 | 81,131 | 289,939 | 484,550 |
| | | California Water Commission | | 5,488 | 14,937 | 3,775 | 7,249 | 82,031 | 81,131 | 289,939 | 484,550 |
| 92144001 | Pacheco/Santa Clara Conduit ROW Acquisition | Total | 0 | 19 | 8 | 0 | 0 | 0 | 0 | 0 | 27 |
| | | San Benito Water Dist | | 19 | 8 | | | | | 0 | 27 |
| 92374005 | SCADA Remote Architecture & Comm. Upg | Total | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | San Benito Water Dist | | 0 | | | | | | 0 | 0 |
| 91094007s | South County Recycled Water Pipeline | Total | 0 | 2,106 | 2,000 | 2,000 | 0 | 0 | 0 | 0 | 6,106 |
| | | SCRWA | | 811 | | | | | | 0 | 811 |
| | | USBR - ARRA | | 1,295 | | | | | | 0 | 1,295 |
| | | USBR - Title 16 | | 0 | 2,000 | 2,000 | | | | 0 | 4,000 |
| 26154001s | Guadalupe River--Upper, I-280 - Blossom Hill Rd. | Total | 1,682 | 32,349 | 1,419 | 0 | 0 | 0 | 0 | 0 | 33,768 |
| | | State Subventions | 931 | 28,689 | 1,419 | | | | | 0 | 30,108 |
| | | City of San Jose | 751 | 4,591 | | | | | | 0 | 4,591 |
| 26174041s | Berryessa Ck, Calaveras Blvd to I-680 | Total | 0 | 10,000 | 3,558 | 826 | 0 | 0 | 0 | 0 | 14,384 |
| | | State Subventions | | 0 | 3,558 | 826 | | | | 0 | 4,384 |
| | | DWR - Prop 1E | | 10,000 | | | | | | 0 | 10,000 |
| 40174004 | Berryessa Ck, Lwr Penitencia Ck - Calaveras Blvd. | Total | 0 | 12,464 | 2,536 | 0 | 0 | 0 | 0 | 0 | 15,000 |
| | | DWR - Prop 1E | | 12,464 | 2,536 | | | | | 0 | 15,000 |
| 40264011 | Cunningham Flood Detention Certification | Total | 0 | 3,718 | 0 | 0 | 0 | 0 | 0 | 0 | 3,718 |
| | | DWR - Prop 1E | | 1,000 | | | | | | 0 | 1,000 |
| | | NRCS | | 2,718 | 0 | | | | | 0 | 2,718 |
| 40334005 | Lwr Penitencia Ck Imp, Berryessa to Coyote Cks. | Total | 0 | 5,000 | 0 | 0 | 0 | 0 | 0 | 0 | 5,000 |
| | | DWR - Prop 1E | 0 | 5,000 | | | | | | 0 | 5,000 |
| 40264008s | Lwr Silver Ck, I-680 to Cunningham, Rchs 4-6 | Total | 0 | 50,555 | 3,231 | 0 | 0 | 0 | 0 | 0 | 53,786 |
| | | State Subventions | | 8,009 | 731 | | | | | 0 | 8,740 |
| | | DWR - Prop 1E | | 21,500 | 2,500 | | | | | 0 | 24,000 |
| | | NRCS-ARRA | | 20,676 | | | | | | 0 | 20,676 |
| | | City of San Jose | | 370 | | | | | | 0 | 370 |
| 50284010 | Llagas Ck--Lwr, Capacity Restoration | Total | 0 | 120 | 1,000 | 0 | 0 | 0 | 0 | 0 | 1,120 |
| | | State Subventions | | 120 | 1,000 | | | | | 0 | 1,120 |
| 26174051s | Llagas Creek--Upr, Buena Vista to Wright | Total | 5,662 | 26,242 | 9,180 | 6,734 | 579 | 0 | 0 | 0 | 42,735 |
| | | State Subventions | 5,662 | 22,901 | 9,180 | 6,734 | 579 | | | 0 | 39,394 |
| | | City of Morgan Hill | | 3,341 | | | | | | 0 | 3,341 |
| 26244001 | Permanente Creek, SF Bay to Foothill Expway | Total | | 1,023 | 0 | 0 | 0 | 0 | 0 | 0 | 1,023 |
| | | Cities of Mountain View and Los Altos | | 1,023 | | | | | | 0 | 1,023 |
| 10284007s | San Francisquito Creek, SF Bay - Searsville Dam | Total | 0 | 5,508 | 50 | 0 | 0 | 0 | 0 | 0 | 5,558 |
| | | JPA Member Agencies | | 4,520 | | | | | | 0 | 4,520 |
| | | JPA (Joint Powers Authority) | 0 | 988 | 50 | | | | | 0 | 1,038 |
| 26444001 | San Francisco Bay Shoreline | Total | | 11,372 | 320 | 0 | 0 | 0 | 0 | 0 | 11,692 |
| | | SFBRA Measure AA (Grant) | | 11,372 | 320 | | | | | | 11,692 |
| 00044026 | San Francisco Bay Shoreline | Total | | 5,226 | 11,477 | 20,886 | 20,886 | 20,886 | 9,686 | 19,374 | 108,421 |
| | | SFBRA Measure AA (Grant) | | 4,672 | 11,200 | 11,200 | 11,200 | 11,200 | | 0 | 49,472 |
| | | SFBRA Measure AA (Ballot Reimbursement) | | 554 | 277 | | | | | 0 | 831 |
| | | State Subventions | | 0 | | 9,686 | 9,686 | 9,686 | 9,686 | 19,374 | 58,118 |
| 26444002 | San Francisco Bay Shoreline | Total | | 420 | 0 | 0 | 0 | 0 | 0 | 0 | 420 |
| | | State Bond - DWR | | 420 | | | | | | | 420 |
| 62084001 | Watersheds Asset Rehabilitation Program | Total | | 442 | 0 | 0 | 0 | 0 | 0 | 0 | 442 |
| | | City of Palo Alto | | 442 | | | | | | 0 | 442 |
| SUBTOTAL - Reimbursements from Current Projects | | | 7,344 | 174,533 | 50,045 | 35,059 | 29,052 | 103,252 | 90,839 | 323,928 | 806,708 |

Appendix A - Valley Water Partnership Summary

Partnership Reimbursement (cont'd)

| Pending Reimbursements for Closed Projects | | | Claims | Actuals | | | | | | | |
|---|--|---------------------------------------|-----------------------|--------------|--------|--------|--------|---------|--------|---------|---------|
| Project Number | Project Name | Agency | On-hand (01/14/18) | Thru FY20 | FY21 | FY22 | FY23 | FY23 | FY23 | Future | Total |
| 91214001 | Pacheco Conduit Inspection & Rehabilitation | Total | 12 | 1,488 | 0 | 0 | 0 | 0 | 0 | 0 | 1,488 |
| | | San Benito Water Dist | 12 | 1,488 | | | | | | 0 | 1,488 |
| 91244001 | Wolfe Road Recycled Water Pipeline | Total | 0 | 12,201 | 0 | 0 | 0 | 0 | 0 | 0 | 12,201 |
| | | Apple Computer | | 4,800 | | | | | | 0 | 4,800 |
| | | Cal Water | | 1,500 | | | | | | 0 | 1,500 |
| | | City of Sunnyvale | | 2,101 | | | | | | 0 | 2,101 |
| | | DWR - Prop 84 | | 3,800 | | | | | | 0 | 3,800 |
| 94384002 | Penitencia Delivery Main Seismic Retrofit | Total | 0 | 5,107 | 0 | 0 | 0 | 0 | 0 | 0 | 5,107 |
| | | Department of Water Resources (A3904) | | 5,107 | | | | | | 0 | 5,107 |
| 92224001 | Penitencia Force Main Seismic Retrofit | Total | 0 | 3,884 | 0 | 0 | 0 | 0 | 0 | 0 | 3,884 |
| | | Department of Water Resources (A3904) | | 3,884 | | | | | | 0 | 3,884 |
| 91184008 | Silicon Valley Advanced Water Purification Ctr | Total | 0 | 22,046 | 0 | 0 | 0 | 0 | 0 | 0 | 22,046 |
| | | City of San Jose | | 8,500 | | | | | | 0 | 8,500 |
| | | DWR - Prop 50 | | 2,935 | | | | | | 0 | 2,935 |
| | | DWR - Prop 84 | | 2,486 | | | | | | 0 | 2,486 |
| | | USBR - ARRA | | 8,125 | | | | | | 0 | 8,125 |
| 30154013s | Guadalupe River--DT, I-880 to I-280 | Total | 0 | 39,480 | 500 | 0 | 0 | 0 | 0 | 0 | 39,980 |
| | | State Subventions | | 27,618 | 500 | | | | | 0 | 28,118 |
| | | City of San Jose | | 1,654 | | | | | | 0 | 1,654 |
| | | San Jose Redev Agency | | 10,208 | | | | | | 0 | 10,208 |
| SUBTOTAL - Reimbursements for Closed Projects | | | 0 | 84,206 | 500 | 0 | 0 | 0 | 0 | 0 | 84,706 |
| TOTAL REIMBURSEMENTS | | | 7,344 | 258,739 | 50,545 | 35,059 | 29,052 | 103,252 | 90,839 | 323,928 | 891,414 |

Appendix A - Valley Water Partnership Summary

Partnership Funding is funds that are made available by Valley Water's partners, when needed. The following table identifies capital projects that receive partnership funding. This may occur through either cost sharing agreements or as in-kind services.

Partnership Funding

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

Appendix A - Valley Water Partnership Summary

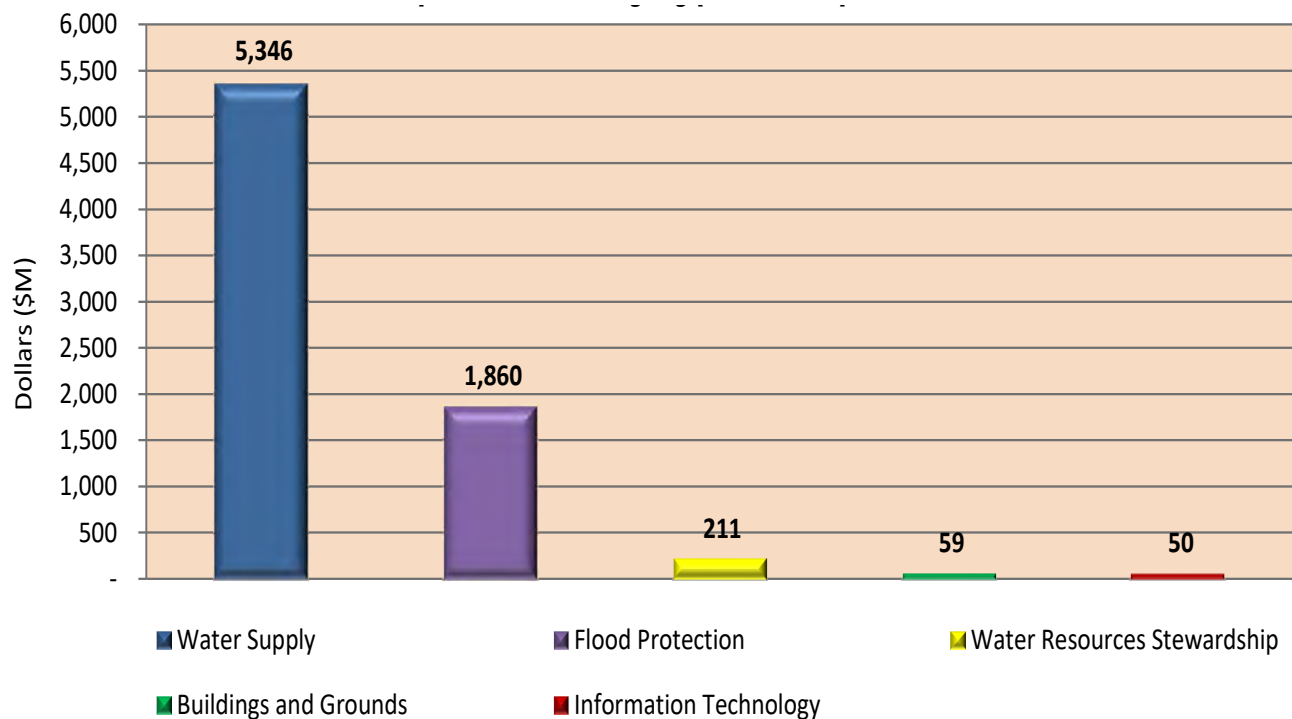
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Appendix B - Summary of Capital Expenditures

Expenditure Schedule by Type of Improvement (\$K)

| | THRU FY20 (Actuals) | FY21 | FY22 | FY23 | FY24 | FY25 | FY26 | FY27 | FY28 | FY29 | FY30 | FY31 | FY32-36 | TOTAL |
|-----------------------------|---------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|------------------|
| Water Supply | 576,536 | 163,240 | 274,889 | 267,750 | 221,728 | 561,581 | 620,351 | 562,380 | 466,147 | 350,207 | 406,404 | 399,695 | 474,841 | 5,345,749 |
| Flood Protection | 779,258 | 210,914 | 169,491 | 133,809 | 134,028 | 85,092 | 74,068 | 54,993 | 62,752 | 35,112 | 32,180 | 19,433 | 68,859 | 1,859,989 |
| Water Resources Stewardship | 36,018 | 9,672 | 22,282 | 32,031 | 30,137 | 7,068 | 15,348 | 17,586 | 6,158 | 2,844 | 4,458 | 13,648 | 14,081 | 211,331 |
| Buildings and Grounds | 19 | 3,016 | 6,090 | 6,075 | 10,544 | 6,385 | 6,492 | 4,000 | 4,000 | 4,000 | 4,000 | 4,000 | - | 58,621 |
| Information Technology | 15,287 | 12,072 | 3,023 | 3,646 | 4,051 | 1,203 | 791 | 601 | 5,099 | 533 | 1,136 | 1,188 | 1,502 | 50,132 |
| TOTAL | 1,407,118 | 398,914 | 475,775 | 443,311 | 400,488 | 661,329 | 717,050 | 639,560 | 544,156 | 392,696 | 448,178 | 437,964 | 559,283 | 7,525,822 |

CIP Expenditures by Type of Improvement

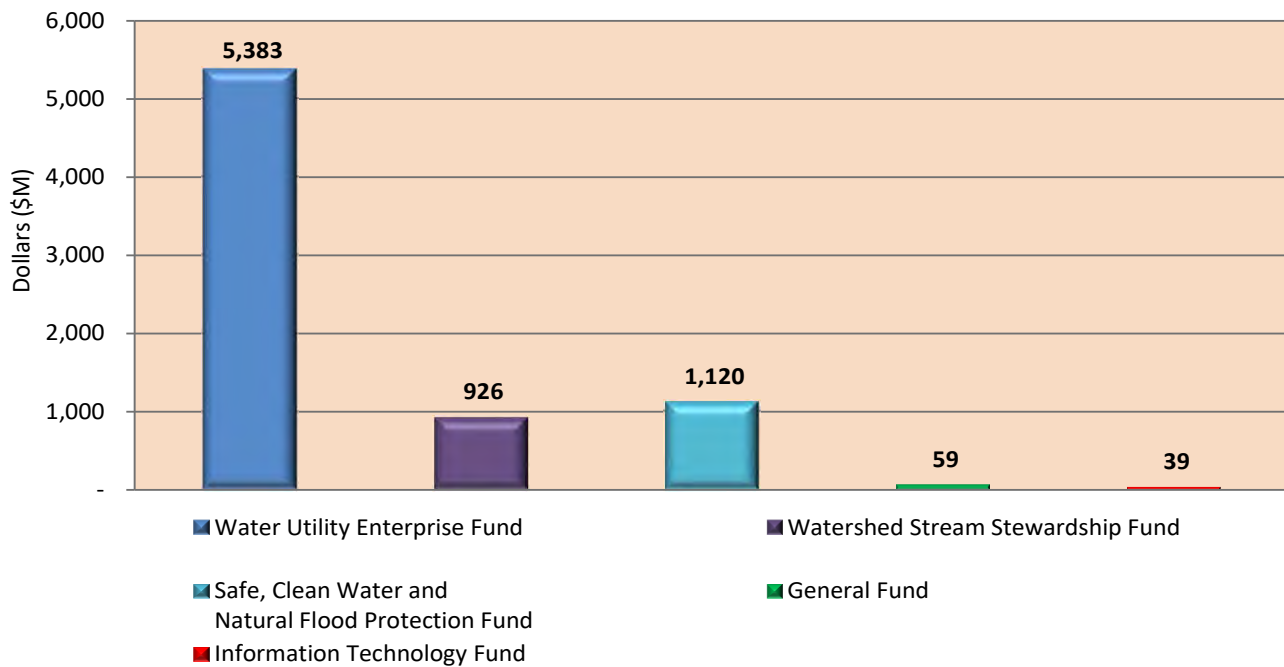


Appendix B - Summary of Capital Expenditures

Expenditure Schedule by Fund (\$K)

| | THRU FY20 (Actuals) | FY21 | FY22 | FY23 | FY24 | FY25 | FY26 | FY27 | FY28 | FY29 | FY30 | FY31 | FY32-36 | TOTAL |
|-----------------------------|---------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|------------------|
| Water Supply | 576,536 | 163,240 | 274,889 | 267,750 | 221,728 | 561,581 | 620,351 | 562,380 | 466,147 | 350,207 | 406,404 | 399,695 | 474,841 | 5,345,749 |
| Flood Protection | 779,258 | 210,914 | 169,491 | 133,809 | 134,028 | 85,092 | 74,068 | 54,993 | 62,752 | 35,112 | 32,180 | 19,433 | 68,859 | 1,859,989 |
| Water Resources Stewardship | 36,018 | 9,672 | 22,282 | 32,031 | 30,137 | 7,068 | 15,348 | 17,586 | 6,158 | 2,844 | 4,458 | 13,648 | 14,081 | 211,331 |
| Buildings and Grounds | 19 | 3,016 | 6,090 | 6,075 | 10,544 | 6,385 | 6,492 | 4,000 | 4,000 | 4,000 | 4,000 | 4,000 | - | 58,621 |
| Information Technology | 15,287 | 12,072 | 3,023 | 3,646 | 4,051 | 1,203 | 791 | 601 | 5,099 | 533 | 1,136 | 1,188 | 1,502 | 50,132 |
| TOTAL | 1,407,118 | 398,914 | 475,775 | 443,311 | 400,488 | 661,329 | 717,050 | 639,560 | 544,156 | 392,696 | 448,178 | 437,964 | 559,283 | 7,525,822 |

CIP Expenditures by Fund



Appendix C - Safe Clean Water Project Schedules

The following table is an overview schedule for Safe, Clean Water Capital Projects identified in the FY 2022-26 CIP. Detailed information for each project can be found in this document in their respective chapters in the order presented in this table.

Safe, Clean Water Capital Improvement Project Schedules

| Project Number | PROJECT NAME | FY05 - FY09 | FY10 - FY14 | FY15 - FY19 | FY20 - FY24 | FY25 - FY29 | FY30 - FY34 |
|------------------------------------|---|-------------|-------------|-------------|-------------|-------------|-------------|
| WATER SUPPLY | | | | | | | |
| 91864005 | Anderson Dam Seismic Retrofit (C1) | | | | | | |
| 26764001 | IRP2 Additional Line Valves (A3) | | | | | | |
| FLOOD PROTECTION | | | | | | | |
| 26244001 | Permanente Creek, SF Bay to Foothill Expressway | | | | | | |
| 26284001 | San Francisquito Creek, SF Bay thru Searsville Dam (E5) | | | | | | |
| 26284002 | San Francisquito Creek - Construction, SF Bay to Middlefield Road (E5) | | | | | | |
| 26074002 | Sunnyvale East and West Channels (E2) | | | | | | |
| 26154002 | Guadalupe Rv-Upper, I-280 to SPRR (Reach 6) (E8) | | | | | | |
| 26154003 | Guadalupe Rv-Upper, SPRR-Blossom Hill (Reaches 7-12) (E8) | | | | | | |
| 26174043 | Coyote Creek, Montague Expressway to Tully Road (E1) | | | | | | |
| 26324001 | Upper Penitencia Ck, Coyote Ck-Dorel Dr, Corps (E4) | | | | | | |
| 26174051 | Llagas Creek-Upper, Reimbursable (E6b) | | | | | | |
| 26174052 | Llagas Creek-Upper, Corps Coordination (E6a) | | | | | | |
| 26174054 | Llagas Creek-Upper, Design (E6) | | | | | | |
| 00044026 | San Francisco Bay Shoreline | | | | | | |
| 26444001 | San Francisco Bay Shoreline - EIA 11 Design & Partial Construction (E7) | | | | | | |
| 26444002 | San Francisco Bay Shoreline - Other EIAs Planning (E7) | | | | | | |
| WATER RESOURCES STEWARDSHIP | | | | | | | |
| 26044001 | Almaden Lake Improvements (D4.1a) | | | | | | |
| 26164001 | Hale Creek Enhancement Pilot Study (D6) | | | | | | |
| 26044003 | SCW Ogier Ponds Separation (D4.1b) | | | | | | |

Legend

| | |
|--|--------------------|
| | Planning Phase |
| | Design Phase |
| | Construction Phase |
| | Close-out Phase |

Appendix C - Safe Clean Water Project Schedules

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Appendix D - Glossary

Ad Valorem Tax

A tax based on value (e.g., a property tax).

Appropriation

An appropriation is a legal authorization granted by the Santa Clara County Board of Supervisors which allows Valley Water to expend cash and incur obligations for specific purposes. An appropriation is usually limited in amount and the time it may be expended.

Assessment

The process of setting the official valuation of property for taxation; the valuation placed upon property as a result of this process.

Asset

A probable future economic benefit obtained or controlled by a particular entity as a result of past transactions or events. Examples of assets are cash, receivables, and equipment.

BAO Board Appointed Officer

Benefit Assessment

Determination of the benefits derived from Valley Water activities within particular watersheds and levying a proportionate share of taxes to each parcel subject to voter-approved limitations.

Bonds

Bonds are a long-term source of debt that provides a source of borrowed monies that can be used to pay for specific capital facilities. Bonds are a written promise to pay a specified sum of money at a predetermined date or dates in the future, called the maturity date(s), together with periodic interest at a specific rate.

Capital Expenditure

Capital expenditures fall into several categories. In general, they should create assets or extend the useful lives of existing assets. The work product results in a long-term benefit greater than two years and for budgeting purposes involved a major expenditure of Valley Water resources greater than \$50,000. They can be made with regard to tangible and intangible assets.

The general categories of capital expenditures are: rehabilitation, major repairs, improvements/betterments/upgrades, replacements, expansions/additions, and ancillary expenditures.

Capital Projects

Projects are budgeted within the Capital budget and fall within the definition of Capital Expenditures; which means they (1) create or extend the life of an asset, (2) their work products have a useful life of greater than two years, and (3) they involve an expenditure of Valley Water resources in excess of \$50,000.

Certificates of Participation (COPs)

A security in the general form of a bond, which evidences a proportionate participation in a flow of lease or other payments between two parties.

CEQA California Environmental Quality Act

CIP Capital Improvement Program

Clean, Safe Creeks/CSC

In November 2000, Santa Clara County voters approved the special parcel tax, the Clean, Safe Creeks and Natural Flood Protection Plan (Clean, Safe Creeks) to address community needs for enhanced stream stewardship and flood protection. The 15-year Clean, Safe Creeks Plan was replaced in its entirety by the Safe, Clean Water and Natural Flood Protection Program, which voters approved in 2012 (2012 Safe, Clean Water).

Cost Center

Cost Centers are separate financial accounting centers in which costs are accumulated because of legal and accounting requirements, the first two digits of a project number identifies the cost center.

COVID-19 Disease caused by novel coronavirus, which caused a pandemic in 2020.

DPR Direct Potable Reuse

DWR State Department of Water Resources

Appendix D - Glossary

EIR Environmental Impact Report

Encumbrances

Commitments related to unperformed (executory) contracts for goods or services. Encumbrances represent the estimated amount of expenditures that will result if unperformed contracts in process are completed.

Enterprise Fund

Enterprise Funds are used to account for operations including debt service (a) that are financed and operated in a manner similar to private business, where the intent of the government body is that the costs (expenses, including depreciation) of providing goods or services to the general public on a accounting basis is financed or recovered primarily through user charges; or (b) where the governing body has determined that periodic determination of revenues earned, expenses incurred, and/or net income is appropriate for capital maintenance, public policy, management control accountability, or other purposes.

ERP Enterprise Resource Planning

Expenditure/Expense

Decreases in net financial resources. Expenditures include current operating expenses requiring the present or future of net current assets, debt service and capital outlays, and intergovernmental grants, entitlements, and shared revenues. The major expenditure categories used by Valley Water are labor and overhead, land and structures, equipment, and debt service.

Facility

Defined as a creek, reservoir, dam, water treatment plant, pipeline, canal, etc.

Fixed Assets

Fixed Assets are defined as long-lived tangible assets such as automobiles, computers and software, furniture, communications equipment, hydrologic equipment, office equipment, and other equipment, with a value of \$2,000 or more, or the combined value of like or related units (aggregate value) is greater than \$5,000 if the unit value is less than \$2,000.

Fiscal Year

A 12-month period to which the annual operating budget applies and at the end of which a government determines its financial position and the results of its operations. Valley Water's fiscal year is July 1 through June 30.

Fund

A fiscal and accounting entity with a self-balancing set of accounts in which cash and other financial resources, all related liabilities and residual equities, or balances, and changes therein, are recorded and segregated to carry on specific activities or attain certain objectives in accordance with special regulations, restrictions or limitations.

General Fund

A fund used to account for major operating revenues and expenditures, except for those financial transactions that are required to be accounted for in another fund. General Fund revenues are derived primarily from property and other taxes.

Grants

Contributions or gifts of cash or other assets from another government entity to be used or expended for a specified purpose, activity, or facility.

HVAC Heating, Ventilation, and Air Conditioning

IPR Indirect Potable Reuse

JPA Joint Power Authority

KPI

Each project under the Safe, Clean Water Program has Key Performance Indicators (KPIs) that define the deliverables that are Valley Water's commitment to the voters. Safe, Clean Water Projects may have multiple KPIs and each KPI may result in separate or multiple projects within the Capital Improvement Program.

Appendix D - Glossary

Levy

(1. Verb) To impose taxes, special assessments, or service charges for the support of government activities;
(2. Noun) The total amount of taxes, special assessments, or service charges imposed by a government agency.

Long-Term Debt

Debt with a maturity date of more than one year after the date of issuance.

Measure S

In November 2020, voters in Santa Clara County overwhelmingly approved Measure S, a renewal of Valley Water's Safe, Clean Water and Natural Flood Protection Program (Safe, Clean Water Program) that voters had approved in 2012. Unlike the first two special parcel taxes, which were set to sunset in 15-years from the date of implementation, the renewed Safe, Clean Water Program will continue until repealed by voters or until the Board determines the funding is no longer needed.

MGD Million Gallons per Day

One-Percent Flood or 100-Year Flood

Has a 1% chance of occurring in a given year. Valley Water projects are usually designed for the 1% flood, a national standard established by the Federal Emergency Management Agency (FEMA).

Operating Expenditure

Operating expenditures are system costs required for the daily process of providing water and watershed management services, including the administrative and overhead costs to support these services.

Operating expenditures are costs necessary to maintain the systems in good operating condition. This includes the repair and replacement of minor property components. The American Waterworks Association (AWWA) says that these priority components should be smaller than a retirement unit; a retirement unit is a readily separable and separately useful item that is part of a larger assembly. The benefit and life of such repairs should be less than two years. Any repairs that recur on

an annual basis are considered operating activities of a maintenance nature.

Operating expenditures are often separated into fixed and variable costs for purposes of understanding operating leverage and structuring service charge rates.

Operations

Expenditures required for the daily process of providing water and watershed management services, including the administrative and overhead costs to support these services. Operations include work that is generally of an ongoing or recurring nature. Any Valley Water work that is not a project is, by definition, an Operation. Operations, although recurring, require close coordination and a high degree of management oversight; however, they can be accomplished without the application of the full range of tools and processes used for managing projects.

P3 Public Private Partnership

Projects

At Valley Water, a project is any undertaking which has (1) a beginning and an ending, and (2) is a one-time occurrence. Projects can require expenditure of capital or operating funds and, at Valley Water, are called Capital or Operating Projects, accordingly. Project usually, but not always, relate to a Valley Water facility or facilities (a creek, a reservoir, a dam, a water treatment plant, a pipeline,, etc.). Projects may include studies, design, construction, maintenance, or implementation of systems such as Records Management or Financial Management System.

Revenue

Monies Valley Water receives in exchange for services or sales provided. Revenue items include water sales, property tax revenues, benefit assessment revenues, interest income, intergovernmental reimbursement, and other.

Appendix D - Glossary

Revenue Bonds

Bonds, whose principal and interest are payable exclusively from earnings of an enterprise fund. In addition to a pledge of revenues, such bonds sometimes contain a mortgage on the enterprise fund's property.

Reserve

An account used to indicate that a portion of a fund's assets are legally restricted for a specific purpose and is, therefore, not available for general appropriation.

SCADA

Supervisory Control and Data Acquisition

Safe, Clean Water/SCW

In November 2012, Santa Clara County voters approved the Safe, Clean Water and Natural Flood Protection Program (2012 Safe, Clean Water) to address water supply, flood protection and environmental stewardship priorities. In 2020, voters approved the renewal of the Safe, Clean Water Program, replacing the 2012 Safe, Clean Water Program in entirety and is set to begin in FY 2021-22. Unlike the first two special parcel taxes, which were set to sunset in 15-years from the date of implementation, the renewed Safe, Clean Water Program will continue until repealed by voters or until the Board determines the funding is no longer needed.

WTP Water Treatment Plant

WQL Water Quality Lab



Valley Water

Clean Water • Healthy Environment • Flood Protection

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