Santa Clara Valley Water District
Board of Directors Meeting

Headquarters Building Boardroom
5700 Almaden Expressway
San Jose, CA 95118

*AMENDED/APPENDED
AMENDED/APPENDED AGENDA
AGENDA

Tuesday, February 25, 2020
6:00 PM

***ITEMS AMENDED AND/OR APPENDED SINCE THE ORIGINAL PUBLICATION OF THIS AGENDA ARE IDENTIFIED BY AN ASTERISK (*) HEREIN**

District Mission: Provide Silicon Valley safe, clean water for a healthy life, enviornment and economy.

DISTRICT BOARD OF DIRECTORS

Nai Hsueh, Chair, District 5
Tony Estremera, Vice Chair, District 6
John L Varela, District 1
Barbara Keegan, District 2
Richard P. Santos, District 3
Linda J. LeZotte, District 4

All public records relating to an open session item on this agenda, which are not exempt from disclosure pursuant to the California Public Records Act, that are distributed to a majority of the legislative body will be available for public inspection at the Office of the Clerk of the Board at the Santa Clara Valley Water District Headquarters Building, 5700 Almaden Expressway, San Jose, CA 95118, at the same time that the public records are distributed or made available to the legislative body. Santa Clara Valley Water District will make reasonable efforts to accommodate persons with disabilities wishing to attend Board of Directors' meeting. Please advise the Clerk of the Board Office of any special needs by calling (408) 265-2600.

NORMA CAMACHO
Chief Executive Officer

MICHELE L KING, CMC
Clerk of the Board
(408) 265-2600
Fax (408) 266-0271
www.valleywater.org

Note: The finalized Board Agenda, exception items and supplemental items will be posted prior to the meeting in accordance with the Brown Act.

Santa Clara Valley Water District
Board of Directors

*AMENDED/APPENDED AGENDA

***ITEMS AMENDED AND/OR APPENDED SINCE THE ORIGINAL PUBLICATION OF THIS AGENDA ARE IDENTIFIED BY AN ASTERISK (*) HEREIN**

Tuesday, February 25, 2020 **6:00 PM** **Headquarters Building Boardroom**

1. CALL TO ORDER:

1.1. Roll Call.

2. TIME CERTAIN:

6:00 PM

*2.1. ITEM REMOVED FROM AGENDA.

*2.2. ITEM REMOVED FROM AGENDA.

2.3. Pledge of Allegiance/National Anthem.

2.4. Orders of the Day.
A. Approximate Discussion Time (Board); and
B. Adjustments to the Order of Agenda Items.

2.5. Time Open for Public Comment on any Item not on the Agenda.
Notice to the public: This item is reserved for persons desiring to address the Board on any matter not on this agenda. Members of the public who wish to address the Board on any item not listed on the agenda should complete a Speaker Card and present it to the Clerk of the Board. The Board Chair will call individuals to the podium in turn. Speakers comments should be limited to three minutes or as set by the Chair. The law does not permit Board action on, or extended discussion of, any item not on the agenda except under special circumstances. If Board action is requested, the matter may be placed on a future agenda. All comments that require a response will be referred to staff for a reply in writing. The Board may take action on any item of business appearing on the posted agenda.

2.6. Safe, Clean Water and Natural Flood Protection Program Independent Monitoring Committee's Sixth Annual Report for Fiscal Year 2018-2019. 20-0232

Recommendation:
A. Receive the Safe, Clean Water and Natural Flood Protection Program Independent Monitoring Committee's Sixth Annual Report for Fiscal Year 2087-2019; and
B. Provide direction to staff as appropriate.

Manager: Melanie Richardson, 408-630-2035

Attachments: Attachment 1: SCW IMC Letter to Board
Attachment 2: SCW IMC FY19 Annual Report
Attachment 3: SCW IMC Notes for Future Annual Reports

Est. Staff Time: 10 Minutes

3. CONSENT CALENDAR: (3.1 - 3.5) (Est. Time: 5 Minutes)

Notice to the public: There is no separate discussion of individual consent calendar items. Recommended actions are voted on in one motion. If an item is approved on the consent vote, the specific action recommended by staff is adopted. Items listed in this section of the agenda are considered to be routine by the Board, or delegated to the Board Appointed Officers (BAOs) yet required by law or contract to be Board approved (EL-7.10). Any item may be removed for separate consideration at the request of a Board member. Whenever a resolution is on the consent calendar, a roll call vote will be taken on the entire calendar. Members of the public wishing to address the Board on any consent items should complete a Speaker Card and present it to the Clerk of the Board.

3.1. Adopt the Resolution Authorizing the Chief Executive Officer to File an Application and Execute a Grant Agreement with the United States Bureau of Reclamation for Funding from the WaterSMART Drought Response Program, and Authorize the Chief Executive Officer to Negotiate and Execute the Grant Agreement with the US Bureau of Reclamation, Upon Approval of the WaterSMART Drought Response Program Award. 20-0119

Recommendation:

A. Adopt the resolution AUTHORIZING THE CHIEF EXECUTIVE OFFICER TO FILE AN APPLICATION AND EXECUTE A GRANT AGREEMENT WITH THE UNITED STATES BUREAU OF RECLAMATION FOR FUNDING FROM THE WATERSMART DROUGHT RESPONSE PROGRAM; and

B. Authorize the CEO, if the grant is awarded to the District, to:
   1. Accept the grant and negotiate and execute a grant agreement with the United States Bureau of Reclamation (USBR) for the Drought Response Plan, provided all grant requirements can be met;
   2. Sign and submit invoices and requests to the USBR for grant disbursements to be made pursuant to the grant agreement; and
   3. Delegate such other authority as needed to provide management and support services required for the performance of the work and administration pursuant to the grant agreement, as deemed necessary and appropriate.

Manager: Garth Hall, 408-630-2750

Attachments: Attachment 1: Resolution

3.2. Adopt Plans and Specifications and Authorize Advertisement for Bids for the Bolsa Road Fish Passage Improvements Project, Project No. 26044002, Contract No. C0656, (Gilroy) (District 1). 19-0635

Recommendation:

A. Adopt Plans and Specifications and authorize advertisement for bids for construction of the Bolsa Road Fish Passage Improvements Project, per the Notice to Bidders; and

B. Authorize the Designated Engineer to issue addenda, as necessary, during the bidding process.

Manager: Ngoc Nguyen, 408-630-2632

Attachments: Attachment 1: Notice To Bidders
Attachment 2: Project Delivery Process
Attachment 3: Map

*3.3. Approve Agreement with H.T. Harvey & Associates for Landscape Design Services for the Almaden Lake Improvement Project, Project No. 26044001, CAS No. 5044 (San José) (District 4). (PREVIOUSLY LISTED AS ITEM NO. 6.1) 19-1222

Recommendation: Approve the Consultant Services Agreement with H. T. Harvey & Associates for landscape design services for the Almaden Lake Improvement Project for a not-to-exceed amount of $361,474.

Manager: Ngoc Nguyen, 408-630-2632

Attachments: Attachment 1: Agreement

*3.4. Accept the CEO Bulletins for the Weeks of February 7-13, and February 14-20, 2020. (PREVIOUSLY LISTED AS ITEM 3.3) 20-0231

Recommendation: Accept the CEO Bulletins.

Manager: Norma Camacho, 408-630-2084

Attachments: Attachment 1: 02132020 CEO Bulletin
*Attachment 2: 02202020 CEO Bulletin

*3.5. Approval of Minutes. 20-0203

Recommendation: Approve the minutes.

Manager: Michele King, 408-630-2711

Attachments: Attachment 1: 121019 Regular Meeting Minutes
Attachment 2: 121719 Special Meeting Minutes
Attachment 3: 011420 Regular Meeting Minutes

REGULAR AGENDA:

4. BOARD OF DIRECTORS:

4.1. Review Fiscal Year 2020 Board Policy Planning and Performance Monitoring Calendars. 20-0160

Recommendation: Review, discuss, and revise the Fiscal Year 2020 Board Policy Planning and Performance Monitoring Calendars.

Manager: Michele King, 408-630-2711

Attachments: Attachment 1: FY20 Board Policy Planning Calendar
Attachment 2: FY20 Board Performance Monitoring Calendar

Est. Staff Time: 5 Minutes

4.2. Review 2020 Capital Improvement Committee Work Plan. 20-0234

Recommendation: Review the 2020 Capital Improvement Program Committee Work Plan, and make adjustments as necessary.

Manager: Michele King, 408-630-2306

Attachments: Attachment 1: 2020 CIP Committee Work Plan

Est. Staff Time: 5 Minutes

*4.3. Consider Water Storage Exploratory Committee's Recommendation and Associated Staff Analysis from the Committee's Meeting on January 15, 2020. 20-0192

Recommendation:
A. Receive and consider recommendation by the Water Storage Exploratory Committee to accelerate the partnerships discussion for the Pacheco Reservoir Expansion Project; and
B. Give direction to CEO regarding acceleration of partnerships discussion for the Pacheco Reservoir Expansion Project.

Manager: Christopher Hakes, 408-630-3796
Garth Hall, 408-630-2750

Est. Staff Time: 5 Minutes

*4.4. Board Committee Reports. (PREVIOUSLY LISTED AS ITEM 4.3) 20-0162

Attachments: *Handout 4.4-A: 022420 AWAC Agenda
*Handout 4.4-B: 021929 BAC Agenda
*Handout 4.4-C: 012720 BPPC Summary
*Handout 4.4-D: 012720 EWRC Summary
*Handout 4.4-E: 012120 RWC Summary
*Handout 4.4-F: 011520 WSEC Summary

*4.5. Proposed Future Board Member Agenda Items. (PREVIOUSLY LISTED AS ITEM 4.4) 20-0251

5. WATER UTILITY ENTERPRISE:

5.1. Update on the Condition of the Almaden Valley Pipeline and Determination that the Condition of the Almaden Valley Pipeline Continues to Constitute an Emergency (San Jose) (District 7). 20-0235

Recommendation:
A. Receive an update on the Almaden Valley Pipeline; and
B. Determine by a four-fifths vote of the Board that there is a need to continue the emergency action declared by the Acting Chief Executive Officer (CEO) on December 23, 2019, pursuant to California Public Contract Code §22050, to repair the Almaden Valley Pipeline.

Manager: Aaron Baker, 408-630-2135

Attachments: Attachment 1: Declaration of Emergency

Est. Staff Time: 5 Minutes

5.2. Approve the Cost Reimbursement Agreement with Google, LLC for Construction of Bay Trail Improvements as Part of the Sunnyvale East and West Channels Flood Protection Project, Project No. 26074002 (Sunnyvale), (District 3). 19-1173

Recommendation:
A. Approve the Cost Reimbursement Agreement with Google, LLC for Construction of Bay Trail Improvements as Part of the Sunnyvale East and West Channels Flood Protection Project; and
B. Authorize the Chief Executive Officer (CEO) to execute the Cost Reimbursement Agreement with Google, LLC for Construction of Bay Trail Improvements as Part of the Sunnyvale East and West Channels Flood Protection Project.

Manager: Heath McMahon, 408-630-3126

Attachments: Attachment 1: Agreement

Est. Staff Time: 5 Minutes

6. WATERSHEDS:

*6.1. MOVED TO ITEM 3.3.

6.2. Review and Authorize Distribution of Santa Clara Valley Water District's Draft Fiscal Years 2021-25 Capital Improvement Program. 20-0157

Recommendation: Review the Draft Fiscal Years 2021-25 CIP and authorize release of the document to all cities in Santa Clara County and the County of Santa Clara for review as to its consistency with their General Plans.

Manager: Chris Hakes, 408-630-3796

Attachments: Attachment 1: Draft FY 2021-2025 CIP

Est. Staff Time: 5 Minutes

7. EXTERNAL AFFAIRS:

8. CHIEF EXECUTIVE OFFICER:

*8.1. Receive and Approve the Fiscal Year 2018-19 Year-End Closing Budget Adjustment and Fiscal Year 2019-20 Midyear Budget Adjustment. 20-0247

Recommendation:
A. Approve the Fiscal Year 2018-19 year-end closing budget adjustment; and
*B. Approve the Fiscal Year 2019-20 midyear operating and capital budget adjustments as per Supplemental Attachments 1 and 2.

Manager: Darin Taylor, 408-630-3068

Attachments:
*Original Board Agenda Memo
*Original Attachment 1: FY18-19 Year End Closing Sheet
*Original Attachment 2: FY19-20 Midyear Adjustment Sheet
*Original Attachment 3: FY19-20 Midyear Adjustment Details
*Supplemental Board Agenda Memo
*Supplemental Attachment 1: Revising Original Attachment 2
*Supplemental Attachment 2: Revising Original Attachment 3

Est. Staff Time: 10 Minutes

8.2. Receive the Fiscal Year 2019-20 Financial Status Update Report as of December 31, 2019. 20-0116

Recommendation: Receive the financial status update report for the Fiscal Year 2019-20 as of December 31, 2019.

Manager: Darin Taylor, 408-630-3068

Attachments: Attachment 1: PowerPoint

Est. Staff Time: 10 Minutes

8.3. CEO and Chiefs' Report.

9. ADMINISTRATION:

10. DISTRICT COUNSEL:

11. ADJOURN:

11.1. Board Member Reports/Announcements.

11.2. Clerk Review and Clarification of Board Requests.

11.3. Adjourn to 11:00 a.m. Closed Session, and 1:00 p.m. Regular Meeting on March 10, 2020, in the Santa Clara Valley Water District Headquarters Building Boardroom, 5700 Almaden Expressway, San Jose, California.

Santa Clara Valley Water District

File No.: 20-0232

Agenda Date: 2/25/2020
Item No.: 2.6.

BOARD AGENDA MEMORANDUM

SUBJECT:
Safe, Clean Water and Natural Flood Protection Program Independent Monitoring Committee's Sixth Annual Report for Fiscal Year 2018-2019.

RECOMMENDATION:

A. Receive the Safe, Clean Water and Natural Flood Protection Program Independent Monitoring Committee's Sixth Annual Report for Fiscal Year 2087-2019; and
B. Provide direction to staff as appropriate.

SUMMARY:
On November 6, 2012, the voters of Santa Clara County passed Measure B, the Safe, Clean Water and Natural Flood Protection Program (Program), which provided for the establishment of a special tax to pay for the cost of the Program. The Program required that the Board establish an external, Independent Monitoring Committee (IMC) responsible for conducting an annual audit and providing an annual report regarding the implementation of the intended results of the Program.

The enclosed report details the IMC's evaluation, findings and recommendations of the sixth annual report for Fiscal Year 2018-2019 on the Program's Priorities (A through E) and Other Capital Flood Protection Projects and Clean, Safe Creeks Grants Projects.

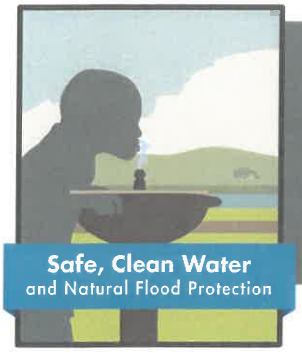
FINANCIAL IMPACT:
There is no financial impact associated with this item.

CEQA:
The recommended action does not constitute a project under CEQA because it does not have a potential for resulting in direct or reasonably foreseeable indirect physical change in the environment.

ATTACHMENTS:
Attachment 1: SCW IMC Letter to Board

Attachment 2: SCW IMC FY19 Annual Report
Attachment 3: SCW IMC Notes for Future Annual Reports

UNCLASSIFIED MANAGER:
Melanie Richardson, 408-630-2035



Safe, Clean Water and Natural Flood Protection Program

Independent Monitoring Committee

Kit Gordon, Chair
Bill Hoeft, Vice Chair
Hon. Dan McCorquodale
Hon. Tara Martin-Milius
Hon. Carmen Montano
Hon. Joe Head
Susan Kazemi
Kathy Sutherland
Eileen McLaughlin
Hon. Patrick Kwok
Tess Byler

February 12, 2020

To: Santa Clara Valley Water District Board of Directors

Subject: IMC Report in Review of SCW FY19 Annual Report

SUMMARY

The Independent Monitoring Committee (IMC) is pleased to present its annual review of the Safe, Clean Water and Natural Flood Protection Program (SCW) for Fiscal Year 2018-2019 (FY19), the sixth year of the program, to the Santa Clara Valley Water District (Valley Water) Board of Directors (Board). The IMC finds that funds from Measure B are being spent in accordance with the voter approved priorities and that Valley Water is acting responsibly to ensure projects move forward in a timely manner. The IMC has some concerns and they are explained below.

PROCESS

The IMC met on December 4, 2019, to begin its sixth annual SCW review process and elected a Chair and Vice Chair. Subcommittees were formed to review the SCW report (Priorities A, B, C, D, and E) and Other Projects remaining from Clean, Safe Creeks and Natural Flood Protection Plan (CSC).

The four subcommittees met with Valley Water staff (Staff) during the first half of January 2020. At each subcommittee meeting, a chair was elected. The subcommittee chairs presented the subcommittee findings to the IMC as a whole on January 22, 2020. IMC members agreed that subcommittee chairs led by the Chair of the IMC draft the IMC review to the Board.

The draft review was presented to the IMC on February 12, 2020, for final edits and approval. The IMC provided three levels of input; overview concerns about SCW included in this letter, specific project recommendations for Board review (Attachment 1) and notes for Staff for future SCW reports (Attachment 2).

CONCERNS AND GENERAL RECOMMENDATIONS

Grants Administration

It has come to the attention of the IMC that there are apparent inefficiencies in grant administration, which may be costly to both grantor and grantee.

Some grantees have brought to the IMC the following issues:

1. Long negotiation times to sign contracts
2. Long delays (6 months) in payments after projects have finished and
3. Excessive reporting requirements

The Board has incentivized grants in disadvantaged communities, however, long lead times to sign contracts as well as delays in payment create financial strain for small non-profits. The IMC is aware of staffing challenges in the grants department during the last two to three years. The IMC is also respectful of the grant administration's obligation to protect public funds.

Recommendations:

1. The IMC recommends that Valley Water review its process of administering SCW grants with the intent of streamlining the process to the benefit of both the grantor and grantee.
2. Report metrics from the grants administration on three parameters: time to sign contract, time to pay after work completion, and reporting requirements (high, medium or low). We request these metrics for each grant in FY19 and FY20.

Priority D

At the end of the sixth year (40%) of the fifteen-year SCW, Priority D has spent only 19% of its budget, specifically D1: 20%, D2: 18%, D3: 30%, D4: 19%, D5: 26%, D6: 7%, D7: 10%, D8: 6%. The IMC is concerned that these environmental projects are not getting the priority the public expected. When Clean, Safe Creeks (CSC) ended, significant funds remained in Priority D. There is a concern that SCW could also end with unspent funds and uncompleted environmental projects. The benefits of environmental projects compound yearly. The earlier these projects can be completed, the more beneficial impact to our environment. The IMC would like to see Priority D projects completed at a faster pace than in the first six years of SCW.

Funding Extension

The IMC looks forward to participating in any modifications and extensions of Safe, Clean Water Program.

Membership

SCW will expend greater than a billion dollars and as such warrants a robust committee to review and monitor the program. The IMC encourages board to actively recruit new IMC members to fill vacancies. The IMC also recommends that in recruiting new members, the Board clearly explain the time commitment involved, the timeline of the review and the nature of the IMC review process. Members should commit to attend majority of full committee and sub-committee meetings.

Finance Committee

There are many financial issues, documented only in Appendix A: Financial Information, that are typically not covered during each Priority review. For next year's review, the IMC will establish a separate subcommittee to thoroughly review the financial aspect of each line item in Appendix A with finance Staff.

TOURS AND PRESENTATIONS

Through presentations and tours, IMC members gain greater understanding of SCW projects. For FY21, the IMC suggests the following:

Tour Sites

1. Anderson Dam Seismic Retrofit (C1)
2. Coyote Creek Flood Protection Project (Other Projects)
3. San Francisco Bay Shoreline Protection (E7)

Presentations

1. Safe, Clean Water Ballot Measure Update
2. Grants administration audit
3. Integration between San Francisco Bay Shoreline Protection Project (E7) and Salt Ponds Restoration Partnership (D8)

We thank the Staff for their time to write the SCW report and to answer IMC questions during the many hours of meeting. We thank the Board for the support they have shown for our past recommendations.

Sincerely,

Kit Gordon

Kit Gordon, Chair
Independent Monitoring Committee

Attachments:

1. IMC Fiscal Year 2018-2019 Annual Report
2. Notes for IMC Future SCW Reports

cc: Independent Monitoring Committee Members

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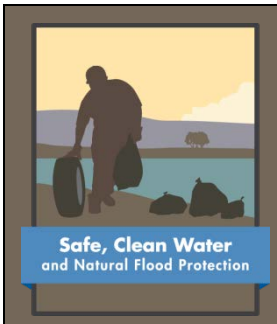
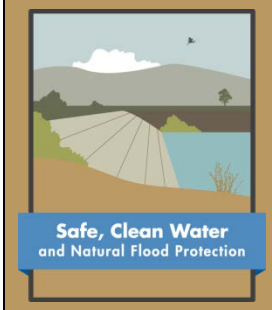
Independent Monitoring Committee Report
Fiscal Year 2018-2019
Project Recommendations
Priority A - Ensure a Safe, Reliable Water Supply

Project:		Status:	Comment:
A1	Main Avenue and Madrone Pipelines Restoration	Completed	IMC agrees with the project status. No recommendations.
A2	Safe, Clean Water Partnerships and Grants	On Target	IMC agrees with the project status. Recommendations: • Staff reach out to medical and health service providers in South County regarding the Nitrate Treatment System Rebate program.
A3	Pipeline Reliability Project	On Target	IMC agrees with the project status. No recommendations.



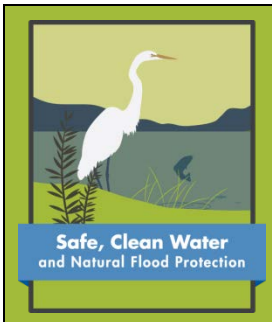
Independent Monitoring Committee Report
Fiscal Year 2018-2019
Project Recommendations
Priority B - Reduce Toxins, Hazards and Contaminants in our Waterways

Project:		Status:	Comment:
B1	Impaired Water Bodies Improvement	On Target	IMC agrees with the project status. No recommendations.
B2	Interagency Urban Runoff Program	On Target	IMC agrees with the project status. No recommendations.
B3	Pollution Prevention Partnerships and Grants	On Target	IMC agrees with the project status. No recommendations.
B4	Good Neighbor Program: Encampment Cleanup	On Target	IMC agrees with the project status. No recommendations.
B5	Hazardous Materials Management and Response	On Target	IMC agrees with the project status. No recommendations.
B6	Good Neighbor Program: Remove Graffiti and Litter	On Target	IMC agrees with the project status. No recommendations.
B7	Support Volunteer Cleanup Efforts and Education	On Target	IMC agrees with the project status. No recommendations.



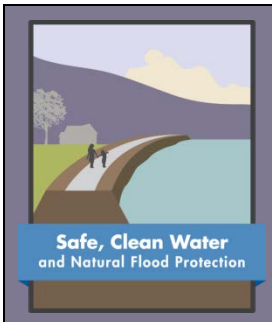
Independent Monitoring Committee Report
Fiscal Year 2018-2019
Project Recommendations
Priority C - Protect our Water Supply from Earthquakes and Natural Disasters

Project:		Status:	Comment:
C1	Anderson Dam Seismic Retrofit	On Target	IMC agrees with the project status. No recommendations.
C2	Emergency Response Upgrades	On Target	IMC agrees with the project status. No recommendations.



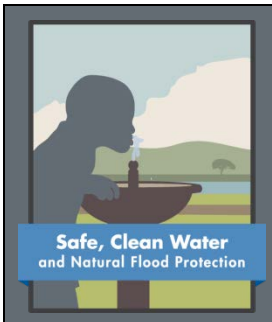
Independent Monitoring Committee Report
Fiscal Year 2018-2019
Project Recommendations
Priority D - Restore Wildlife Habitat and Provide Open Space

Project:		Status:	Comment:
D1	Management of Revegetation Projects	On Target	IMC agrees with the project status. No recommendations.
D2	Revitalize Stream, Upland and Wetland Habitat	On Target	IMC agrees with the project status. No recommendations.
D3	Grants and Partnerships to Restore Wildlife Habitat and Provide Access to Trails	On Target	IMC agrees with the project status. No recommendations.
D4	Fish Habitat and Passage Improvement	Adjusted	IMC agrees with the project status. No recommendations.
D5	Ecological Data Collection and Analysis	On Target	IMC agrees with the project status. No recommendations.
D6	Creek Restoration and Stabilization	Adjusted	IMC agrees with the project status. No recommendations.
D7	Partnerships for the Conservation of Habitat Lands	On Target	IMC agrees with the project status. No recommendations.
D8	South Bay Salt Ponds Restoration Partnership	On Target	IMC agrees with the project status. No recommendations.



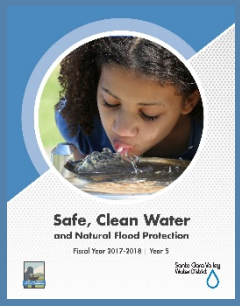
Independent Monitoring Committee Report
Fiscal Year 2018-2019
Project Recommendations
Priority E - Provide Flood Protection to Homes, Businesses, Schools and Highways

Project:		Status:	Comment:
E1	Vegetation Control and Sediment Removal for Flood Protection	On Target	IMC agrees with the project status. No recommendations.
E2	Emergency Response Planning	On Target	IMC agrees with the project status. No recommendations.
E3	Flood Risk Reduction Studies	On Target	IMC agrees with the project status. No recommendations.
E4	Upper Penitencia Creek Flood Protection - Coyote Creek to Dorel Drive – San José	On Target	IMC agrees with the project status. No recommendations.
E5	San Francisquito Creek Flood Protection - San Francisco Bay to Middlefield Road – Palo Alto	Adjusted	IMC agrees with the project status. No recommendations.
E6	Upper Llagas Creek Flood Protection- Buena Vista Avenue to Wright Avenue – Morgan Hill, San Martin, Gilroy	Adjusted	IMC agrees with the project status. No recommendations.
E7	San Francisco Bay Shoreline Protection- Milpitas, Mountain View, Palo Alto, San José, Santa Clara and Sunnyvale	On Target	IMC agrees with the project status. No recommendations.
E8	Upper Guadalupe River Flood Protection- Highway 280 to Blossom Hill Road – San José	On Target	IMC agrees with the project status. No recommendations.



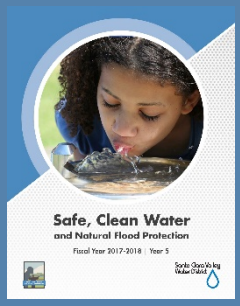
Independent Monitoring Committee Report
Fiscal Year 2018-2019
Project Recommendations
Other Capital Flood Protection Projects and Clean, Safe Creeks Grants Projects

Project:	Status:	Comment:
Permanente Creek Flood Protection San Francisco Bay to Foothill Expressway – Mountain View	Adjusted	IMC agrees with the project status. No recommendations.
Sunnyvale East and Sunnyvale West Channel Flood Protection San Francisco Bay to Inverness Way and Almanor Avenue – Sunnyvale	Adjusted	IMC agrees with the project status. No recommendations.
Berryessa Creek Flood Protection Calaveras Boulevard to Interstate 680 – Milpitas and San José	Completed	IMC agrees with the project status. Recommendation: • Add an asterisk to status of "Completed" with the explanation that there may be outstanding financial obligations for mitigation.
Coyote Creek Flood Protection Montague Expressway to Tully Road – San José	On Target	IMC agrees with the project status. No recommendations.
Calabazas Creek Flood Protection Miller Avenue to Wardell Road	Completed	IMC agrees with status. No recommendations.
Clean, Safe Creeks Grants Projects	Adjusted	IMC agrees with the project status. No recommendations.



Independent Monitoring Committee Report
Fiscal Year 2018-2019
General Notes for future Annual Reports
Safe, Clean Water and Natural Flood Protection Program

Subject:	Note:
Flood Protection Capital Projects: Jurisdictional Complexity	• Jurisdictional Complexity: Besides identifying the jurisdictions involved in the project, it should include language describing the state of cooperation. It should identify if cooperation is going well with the parties or if there is one party or another in which there is some difficulty. • The Permanente Flood Protection Project in FY19 is a good example of Jurisdictional Complexity language.
Flood Protection Project Maps	• Where applicable, include the year of updated flood risk study. • Clarify the difference between FEMA flood risk zone and the Valley Water flood risk zone.
Grants Programs	• There are state and federal agencies that have streamlined grants reporting requirements and have on-time payment schedules. IMC requests the grants administration compare contract requirements and payment timelines with other public granting agencies. Grantees can provide names of efficient public agency grant programs with which to compare.
Financials	• In the project financial tables, add columns reflecting project "Adopted Budget", "Budget Adjustments" and "Adjusted Budget" as reflected in Appendix A. • Add to Appendix A "Transfers and Refunding Proceeds" in and out of projects from Fund 12 and 61; and "Other Revenue" sources such as grants, bond proceeds etc.



Independent Monitoring Committee Notes
Fiscal Year 2018-2019
Notes for future Annual Reports
Safe, Clean Water and Natural Flood Protection Program

Subject:	Note:
B1: Impaired Water Bodies Improvement	• Clarify if Almaden Lake oxygenation system is funded by B1. • Specify that there are taste and odor benefits for Rinconada and Santa Teresa water treatment plants from the Calero Reservoir oxygenation process. • Include summary of the Angler Survey results; mention that both the information is being provided to the County and how the data from the survey is being used. Add the weblink to the survey report.
B2: Interagency Urban Runoff Program	• Use larger "before" and "after" creek cleanup photos.
D3: Grants and Partnerships to Restore Wildlife Habitat and Provide Access to Trails	• Clarify the intent and value of Stream Corridor Priority Plans. The plans should be specific enough to define a project for Safe, Clean Water grant applications.
E1: Vegetation Control and Sediment Removal for Flood Protection	• In addition to the chart identifying the creeks and the volumes of sediment removed, add a weblink to a map showing sediment removal locations. • Name the creeks in the pictures.
E3: Flood Risk Reduction Studies	• Include text to reflect the connection between Rock Springs Study and the Coyote Creek Flood Protection Project.

Santa Clara Valley Water District

File No.: 20-0119

Agenda Date: 2/25/2020
Item No.: 3.1.

BOARD AGENDA MEMORANDUM

SUBJECT:
Adopt the Resolution Authorizing the Chief Executive Officer to File an Application and Execute a Grant Agreement with the United States Bureau of Reclamation for Funding from the WaterSMART Drought Response Program, and Authorize the Chief Executive Officer to Negotiate and Execute the Grant Agreement with the US Bureau of Reclamation, Upon Approval of the WaterSMART Drought Response Program Award.

RECOMMENDATION:

A. Adopt the resolution AUTHORIZING THE CHIEF EXECUTIVE OFFICER TO FILE AN APPLICATION AND EXECUTE A GRANT AGREEMENT WITH THE UNITED STATES BUREAU OF RECLAMATION FOR FUNDING FROM THE WATERSMART DROUGHT RESPONSE PROGRAM; and
B. Authorize the CEO, if the grant is awarded to the District, to:
    1. Accept the grant and negotiate and execute a grant agreement with the United States Bureau of Reclamation (USBR) for the Drought Response Plan, provided all grant requirements can be met;
    2. Sign and submit invoices and requests to the USBR for grant disbursements to be made pursuant to the grant agreement; and
    3. Delegate such other authority as needed to provide management and support services required for the performance of the work and administration pursuant to the grant agreement, as deemed necessary and appropriate.

SUMMARY:

Background

On November 8, 2019, the United States Bureau of Reclamation (USBR) released a funding opportunity announcement (BOR-DO-20-F003) for the Drought Response Program, which is funded by the USBR WaterSMART Program. The Drought Response Program builds resiliency to drought by supporting a proactive drought planning process that considers risks and uncertainties related to changing hydrology and identifies drought mitigation and response actions. Santa Clara Valley Water District (Valley Water) would like to develop a drought response plan (DRP) based on the latest science surrounding drought prediction. The Valley Water DRP would involve a collaborative process with retailers, agricultural customers, and other stakeholders to develop a proactive approach to drought response. Valley Water modeling indicates that an early and proactive response to drought

reduces the need for water shortage contingency plan actions.

Description
Valley Water staff evaluated the grant program requirements and criteria and determined that developing the Valley Water DRP is eligible and competitive for funding. For the grant application to be considered, it must include a Resolution adopted by the Board that designates an authorized representative to submit the application and execute a grant agreement with the USBR. Staff recommends that the Board authorize the CEO to submit the grant application and, if a grant is awarded, execute grant agreements. The grant applications are due February 5, 2020 and the Board Resolution is due March 6.

USBR WaterSMART: Drought Response Program
USBR WaterSMART: Drought Response Program grants will be implemented under the Title I Drought Program to support drought contingency planning. The maximum award under this program is $200,000 per applicant. Applicants must document a minimum non-Federal funding financial match of 50 percent of the project costs.

Valley Water's Drought Response Plan:
During the recent 2012-2016 drought, Valley Water enacted a comprehensive drought response that included 15 strategies to ensure resiliency of Valley Water's water supply system. The strategies were grouped into four categories: water supply and operations, water use reduction, drought response opportunities, and administrative and financial management. Valley Water's drought response permitted rapid recovery of groundwater basin storage levels, increased water conservation, leveraged opportunities to advance Valley Water's cores services (e.g., cleaning recharge ponds, advancing recycled water, increasing public engagement, etc.), and strengthened relationships with key stakeholders. Valley Water's Drought Response Plan will evaluate new approaches for determining when to call for water shortage contingency plan actions, review the science related to early prediction of drought climate conditions, and develop a response framework for the water utility to employ during the next drought. The response framework will be built using the lessons learned from Valley Water's and other water agencies' 2012-2016 drought response. The DRP developed through this grant program will involve a collaborative process with retailers, agriculture, and other stakeholders to develop a proactive, holistic approach to drought response for the Water Utility.

Project Funding
Adequate funding for the Drought Response Program activities that will take place in this fiscal year have been included in the Project No. 95741001 Water Supply Planning.

FINANCIAL IMPACT:
The USBR grant is a reimbursable grant and staff is requesting funding for $200,000. The grant funding is subject to a 50 percent match, which will be met using existing budget under Project No. 95741001 Water Supply Planning.

CEQA:
The recommended action does not constitute a project under California Environmental Quality Act (CEQA) because it does not have a potential for resulting in direct or reasonably foreseeable indirect change in the physical environment.

ATTACHMENTS:
Attachment 1: Resolution

UNCLASSIFIED MANAGER:
Garth Hall, 408-630-2750

BOARD OF DIRECTORS
SANTA CLARA VALLEY WATER DISTRICT

RESOLUTION NO. 20-

AUTHORIZING THE CHIEF EXECUTIVE OFFICER TO FILE AN APPLICATION AND EXECUTE A GRANT AGREEMENT WITH THE UNITED STATES BUREAU OF RECLAMATION FOR FUNDING FROM THE WATERSMART DROUGHT RESPONSE PROGRAM

WHEREAS, the United States Bureau of Reclamation (USBR) WaterSMART: Drought Response Program for fiscal year 2020 is accepting grant applications funded by the congressionally authorized Reclamation States Emergency Drought Relief Act of 1991 – Title II Drought Program (Public Law 102-250), as amended (43 United States Code [U.S.C.] Section 2222, et seq.); and

WHEREAS, the Santa Clara Valley Water District's (Valley Water) Drought Response Plan is eligible for the USBR's grant funding pursuant to the WaterSMART: Drought Response Program guidelines and published eligibility guidelines; and

WHEREAS, the Board seeks to authorize such application to the USBR WaterSMART Drought Response Program for fiscal years 2020 and 2021; and

WHEREAS, the USBR requires grant applicants to provide a resolution adopted by the applicant's governing body designating an authorized representative to submit the funding application and execute an agreement with the USBR for a grant; and

WHEREAS, the Board seeks to authorize the Chief Executive Officer on behalf of Valley Water to enter into an Agreement with the Bureau of Reclamation; and

WHEREAS, the Board seeks to authorize the Chief Executive Officer, or designee, to sign the USBR WaterSMART Grant Agreement and any amendments thereto.

NOW, THEREFORE BE IT RESOLVED that the Board of Directors of the Santa Clara Valley Water District does hereby:

1. Authorize the submittal of a maximum $200,000 award grant application to the United States Bureau of Reclamation for funding from the WaterSMART Drought Response Program: Drought Contingency Planning Grants for Fiscal Years 2020 and 2021 for the Valley Water Drought Response Plan on behalf of the Santa Clara Valley Water District, to the USBR.

2. Authorize and empower the Chief Executive Officer, or designee, to prepare the necessary data, conduct investigations, file such application, and, upon which grant is awarded, conduct all negotiations, and execute in the name of Santa Clara Valley Water District all necessary grant-related documents, including, but not limited to, agreements, amendments, payment requests, and so on, which may be necessary for the funding of Drought Response Plan, provided that the Santa Clara Valley Water District can satisfy the grant terms, conditions, and requirements, and comply with all applicable state and federal laws and regulations including the California Environmental Quality Act.

3. Authorize the Chief Executive Officer, or designee, to work with the USBR to meet established deadlines for entering into a USBR WaterSMART grant cooperative agreement.

4. Authorize the Chief Executive Officer to apply the monies received to the appropriate Santa Clara Valley Water District fund, if the said grant is awarded.

PASSED AND ADOPTED by the Board of Directors of the Santa Clara Valley Water District by the following vote on February 25, 2020:

AYES: Directors

NOES: Directors

ABSENT: Directors

ABSTAIN: Directors

SANTA CLARA VALLEY WATER DISTRICT

_____

NAI HSUEH
Chair, Board of Directors

ATTEST: MICHELE L. KING, CMC

_____

Clerk, Board of Directors

Santa Clara Valley Water District

File No.: 19-0635

Agenda Date: 2/25/2020
Item No.: 3.2.

BOARD AGENDA MEMORANDUM

SUBJECT:
Adopt Plans and Specifications and Authorize Advertisement for Bids for the Bolsa Road Fish Passage Improvements Project, Project No. 26044002, Contract No. C0656, (Gilroy) (District 1).

RECOMMENDATION:

A. Adopt Plans and Specifications and authorize advertisement for bids for construction of the Bolsa Road Fish Passage Improvements Project, per the Notice to Bidders; and
B. Authorize the Designated Engineer to issue addenda, as necessary, during the bidding process.

SUMMARY:
The purpose of the Bolsa Road Fish Passage Improvements Project (Project) is to restore fish passage at the Union Pacific Railroad (UPRR) crossing of Uvas Creek to allow steelhead and other aquatic organisms to move freely between the lower and upper reaches of the creek. This is being accomplished through development of a geomorphically designed project, restoring the creek invert to historic elevation and thereby providing fish passage. Since the Project meets both fish passage and geomorphic restoration goals, it will be funded by two projects in the Safe, Clean Water and Natural Flood Protection (Safe, Clean Water) Program. The two projects are Project D4 - Fish Habitat and Passage Improvements and Project D6 - Creek Restoration and Stabilization.

Specific outcomes of the Project are:

1. Restore upstream steelhead passage at the UPRR crossing, providing access to spawning grounds in the upper reaches of the watershed.

2. Restore stability and stream function and prevent incision for 1,700 feet of Uvas Creek.

The Project consists of a series of roughened riffles with pools and glides in between. Its overall length is 1,700 feet at an overall slope of 0.5 percent to overcome a grade change of 7½ vertical feet. The riffles are 40 feet long and drop 1 foot at approximately 4 percent slope. Downstream of each riffle is a pool and glide that has a length of 52 to 54 feet. The pool bottoms are 2 feet below the next downstream riffle crest. In total, there are ten riffles and nine pools. Two riffles downstream of the ninth pool are intended to provide additional stability of the channel bed. The modified channel would extend approximately 1,700 linear feet downstream of the UPRR Bridge.

Background:
Uvas Creek is a designated steelhead stream that originates on the eastern slopes of the Santa Cruz Mountains west of the city of Morgan Hill and is part of the larger Pajaro Watershed. Steelhead in the Pajaro system constitute the South-Central Coast Distinct Population Segment (DPS), formally Ecologically Significant Unit (ESU), and was listed as threatened in 1997 under the Endangered Species Act by the National Marine Fisheries Service (NMFS).

The UPRR crossing of Uvas Creek at Bolsa Road has long been considered the most critical fish passage barrier in the Uvas Creek watershed. The site currently has a Denil-style fishway, which was originally installed by the Federation of Fly Fishers in 1982. The current ladder configuration does not meet fish passage criteria and channel conditions have changed since the installation of the ladder. Denil fish ladders are typically not used as permanent fish passage facilities in the Pacific Northwest due to the limited operating range and vulnerability to debris blockages.

The design phase included an evaluation of a number of variables to select an appropriate fishway design. These variables included: species and age class to be passed; hydraulic analysis of channel; degree of flow control available; and dependability and cost of operations and maintenance.

The design phase included consultation with resource agencies with a vested interest in the Project. Fish passage professionals from NMFS as well as the California Department of Fish and Wildlife were solicited for input into design specifications and fish passage criteria. The design process also included consultation with the UPRR to ensure that modifications of the channel would not adversely affect the current operation of the railroad facility.

Valley Water has received all necessary permits to construct the Project. Permits have been issued by the U.S. Army Corps of Engineers, Central Coast Regional Water Quality Control Board, and California Department of Fish and Wildlife.

Outreach to Bidders
Although no small business enterprise financial preference will be available for this contract award, the following routine steps will be taken for Valley Water's customary small and local business outreach: the Notice to Bidders (Attachment 1) will be sent to 20 minority business Chambers of Commerce and small business groups and the Notice will be sent to certified small business contractors and local and regional firms that have the appropriate license for this type of work. The Notice will also be provided to the Santa Clara and San Benito Counties Building and Construction Trades Council, which maintains contacts with approximately 100 Business Agents and Organizers. The Business Agents and Organizers send out to their Contractors and Building Construction and Trades Council.

Small Business Outreach Program
In 2004, the Board of Directors adopted District Ordinance 04-01 Small Business Program Outreach. The ordinance established procedures for contracting for professional services to encourage and promote maximum participation of small business enterprises (SBE) as defined by the California

Department of General Services; established a SBE participation preference of 5%; and established non-SBE firms subcontracting preference of 3-5% based upon achieving 30-50% SBE participation levels.

In January 2019 Public Contract Code (PCC) section 2002, which addresses small business enterprise financial preferences for public works contracts, was amended. Changes to the code established; a financial cap of $150,000 dollar maximum limit on how public agencies shall now apply a preference; increased the maximum preference from 5%-7%; and requires every local agency that offers a SBE financial preference, prior to offering a preference, to adopt a procurement policy that must include certain required provisions.

In January 2020, it was brought to the attention of the newly-appointed Deputy Administration Officer, that the above changes to the code had not been implemented, in particular, no new policy had been drafted and approved by the board, and such action was necessary if the board desired to continue providing a SBE financial preference in public works contracting. Staff is currently working on developing a draft SBE procurement policy and revised procedures to establish new SBE preference and goal recommendations for the board to consider.

In the meantime, there are two projects (Bolsa Road Fish Passage and Pacheco Pumping Plant Fire Protection Improvements) that are time-sensitive to award. Staff recommends proceeding with bid advertisement and contract award for the Bolsa Road Fish Passage (this agenda item), removing the district's current SBE financial preference process.
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Staff will proceed with drafting a SBE financial preference policy consistent with the newly revised PCC 2002 requirements and anticipate submitting to the board for consideration a recommendation of the SBE procurement policy preference and goals in March 2020 to allow the preference and goals to be applied to future projects.

Next Steps
Upon Board approval of the recommendations, staff will proceed to advertise for bids for construction of the Project. The next Board action would be award of the contract, tentatively scheduled for April 28, 2020.

FINANCIAL IMPACT:
The estimated construction contract cost for the Bolsa Road Fish Passage Improvements Project is between $3 million and $4 million. The FY 20 Project budget has $2 million in available funding, and an additional $2 million will be recommended for approval in the FY20 board-approved budget. Funding for construction will be accounted for in Safe, Clean Water Project D4 - Fish Habitat and Passage Improvements and Project D6 - Creek Restoration and Stabilization.

CEQA:

This project is exempt from CEQA review pursuant to CEQA Guidelines Section 15333 which exempts projects not exceeding five acres in size that are proposed for maintenance, restoration, enhancement, or protection of habitat for fish, plants, or wildlife.

ATTACHMENTS:
Attachment 1: Notice to Bidders
Attachment 2: Project Delivery Process Chart
Attachment 3: Location Map

UNCLASSIFIED MANAGER:
Ngoc Nguyen, 408-630-2632

BOLSA ROAD FISH PASSAGE IMPROVEMENT PROJECT

Project No. 26044002

Contract No. C0656

1. **Notice**. Notice is hereby given that sealed Bids will be accepted by the Construction Program of the Santa Clara Valley Water District, Room B108, of the District's Administration Building, 5750 Almaden Expressway, San Jose, California 95118 up to **2 p.m. on Wednesday, April 1, 2020**, for furnishing all material and performing all work necessary for construction of the Bolsa Road Fish Passage Improvement Project. Additional information and Instructions to Bidders is posted on the District's Construction Administration webpage: https://www.valleywater.org/construction

2. **California State Department of Industrial Relations Contractor and SubContractor Registration Requirements**.

California Labor Code section 1771.1 requires:
A contractor or subcontractor shall not be qualified to bid on, be listed in a bid proposal, subject to the requirements of Section 4104 of the Public Contract Code, or engage in the performance of any contract for public work, unless currently registered and qualified to perform public work pursuant to Section 1725.5 of the California Labor Code.
An inadvertent error in listing a subcontractor who is not registered pursuant to Section 1725.5 in a bid proposal shall not be grounds for filing a bid protest or grounds for considering the bid nonresponsive, provided that any of the following apply:

(1) The subcontractor is registered prior to the bid opening.
(2) Within 24 hours after the bid opening, the subcontractor is registered and has paid the penalty registration fee.
(3) The subcontractor is replaced by another registered subcontractor pursuant to Section 4107 of the Public Contract Code.

3. **Summary of Work**

A. **Project Description**. The project scope includes the following:
This Project is being constructed to facilitate fish passage at the Union Pacific Railroad (UPRR) crossing of Uvas Creek to allow steelhead and other aquatic organisms to move freely between the lower and upper reaches of the creek. Construction of the Project includes 10 riffles in the channel, constructed of rock ranging from 1/2-ton to 3-ton, separated by 9 low-flow channel pools constructed of streambed gravel and larger rock. There are installations of rock slope protection as well as removal of concrete and other man-made debris from the channel and on the streambanks. The channel invert is approximately 20 feet below the tops of bank and will be reached by two temporary access roads constructed and removed by the contractor. The projected will be hydroseeded at completion and revegetated by container plants and willow cuttings. Work in the channel is limited to June 15 to October 15.

B. Sole Source Products. None

4. Contract Time. Time limit for the completion of the work is **250** calendar days.

A. Milestone #1: Contractor shall complete the low-flow channel improvements no later than October 15, 2020
B. Milestone #2: Contractor shall complete all remaining Work (Project Completion) within 250 calendar days from the First Chargeable Day of the Contract.

5. Liquidated Damages. See Standard Provisions, Liquidated Damages, Article 5.07 and Special Provisions, Liquidated Damages, Article 12.05 of the Contract Documents for requirements regarding Liquidated Damages.

6. Estimated Cost. The estimated cost of the Project is between $3M and $4M. This estimate is intended to serve merely as an indication of the magnitude of the work. Neither the Bidder(s) nor the Contractor will be entitled to pursue a claim or be compensated due to variance in the stated estimated cost range.

A. Additive/Deductive Bid Items. Not used.

B. Supplemental Bid Items. Not used.

7. Contractor's License Requirement. The Bidder must possess a Class A Contractor's license when the Bid is submitted.

8. Pre-Bid Conference and Site Showing. A pre-bid conference/site visit will be conducted by the District on **Wednesday, March 11, 2020**. The conference will convene at **10 a.m. at the Christopher Ranch, 305 Bloomfield Avenue, Gilroy, CA**. A Bid submitted by any Bidder not represented at a mandatory pre-bid conference/site visit will be considered non-responsive. Attendance at the pre-bid by subcontractors is not required.

Attendance by the Bidder at the pre-bid conference/site visit is:

☒ Mandatory
☐ Optional

The objective of the site visit is to familiarize prospective Bidders with the site; no additional site visits will be allowed. Please confirm your intent to attend the pre-bid meeting and site visit 24 hours in advance by sending e-mail to scvwdplanroom@valleywater.org.

Reasonable efforts will be made to accommodate persons with disabilities wishing to attend the pre-bid meeting/site visit. Please request accommodations when confirming attendance.

9. Availability of Bid Documents. Contract Documents, including Drawings and Specifications, are available in both paper and electronic (pdf) formats. Paper copies may be purchased for the nonrefundable price of $40. Provide FedEx account number or add

$10 per set for packaging and postage. Electronic version is free, transferred via file transfer appliance (FTA) site.

To order Contract documents:	Request Form and information available online. Website: https://www.valleywater.org/construction Email: scvwdplanroom@valleywater.org FAX: (408) 979-5631 Phone: (408) 630-3088
To pick up Contract documents in person:	Santa Clara Valley Water District 5700 Almaden Expressway San Jose, CA 95118 Business Hours: 8 a.m. – 5 p.m.

10. **Inquiries**. The Bidder must submit all requests for clarification, or interpretation of the Bid Documents in accordance with the requirements stated in Instructions to Bidders, Questions During Bidding, paragraph #7. Written questions must be directed to the project manager and submitted at least nine (9) calendar days before the deadline for receipt of Bids.

The District may issue written Addenda as appropriate for clarification or other purposes during the bidding period. Addendum notification(s) will be sent to each planholder at the email address provided by the contractor for the planholders list and addenda will be posted on the District's website at https://www.valleywater.org/construction.

A. **Project Manager**. The District's project manager for this Project is Bill Springer and can be reached via e-mail at BSpringer@valleywater.org or at (408) 630-2259.

B. **Process Questions**. For questions regarding the advertisement process, contact the District Plan Room at (408) 630-3088, or scvwdplanroom@valleywater.org.

11. **Prevailing Wage Requirements**.

A. Workers employed on this Project must be paid at rates at least equal to the prevailing wage rates as determined by the State of California Department of Industrial Relations pursuant to §1770 of the Labor Code. Said wage rates are incorporated herein by reference and may be inspected upon request. The rates are also available on the State of California Department of Industrial Relations website at http://www.dir.ca.gov/. See Standard Provisions, Prevailing Wages Article 4.04. through Appendices Article 4.06. for related requirements.

B. This Project is subject to compliance monitoring and enforcement by the State of California Department of Industrial Relations. The Contractor and subcontractors must furnish the records specified in Section 1776 directly to the Labor Commissioner, in the following manner: monthly, in a format prescribed by the Labor Commissioner.

12. **Bid Proposal Submittal**. All Bids must be submitted in sealed envelopes addressed to Construction Program of the Santa Clara Valley Water District, and state the Project name

and Project number on the outside of the sealed envelope. Each Bid must be submitted on the prescribed Bid Forms. All information on Bid Forms must be completed in ink.

A. **Alternate Delivery for Bid Submittal**. Bidders electing to submit a Proposal by FEDEX, UPS, DHL, CA Overnight, Golden State Overnight, etc., must address the submittal in accordance with instructions stated in Paragraph 12 above. Any Proposal received after 2 p.m. will be considered non-responsive.

Address the outside delivery envelope as follows:

Santa Clara Valley Water District
Attention: Construction Program — **BID**
5905 Winfield Boulevard
San Jose, CA 95123-2428

Note: USPS (US Mail) does not deliver to 5905 Winfield Boulevard.

13. **Bid Opening**. The Construction Program staff will open Proposals at the time and place stated in Notice, paragraph #1 above.

14. **Errors or Discrepancies in the Bids**. The District Board of Directors reserves the right to reject any and all Bid Proposals and to waive minor defects or irregularities in any submitted Bid Form(s).

15. **Bidder's Security**. Each Proposal must be accompanied by cash, a certified check, cashier's check, or an original Bidder's bond in the sum of not less than 10 percent of the total aggregate of the Proposal including all additive Bid items. Said checks or bond must be made payable to the Santa Clara Valley Water District.

16. **Contract Retention**.

☒ The Contract Retention for this Project is established at five (5) percent of the Contract Price.

☐ The Contract Retention for this Project is established at ten (10) percent of the Contract Price. The Board of Directors has made a finding that the Project is substantially complex and therefore requires retention higher than five percent.

17. **Substitution of Securities**. The Contractor may, at the Contractor's request and expense substitute securities equivalent to the amount withheld by District to ensure the performance of the contract in accordance with Public Contract Code Section 22300.

18. **Small Business Preference**. **[NOT USED]**

19. **Equal Opportunity**. The District is an equal opportunity employer and all contractors of District projects are to have and follow a policy of equal opportunity including adherence to all state and federal laws and regulations, including the Federal Equal Opportunity Clause.

By order of the Board of Directors of the Santa Clara Valley Water District, San Jose, California, on February 25, 2020.

ATTEST: MICHELE L. KING, CMC

_____
Clerk/Board of Directors

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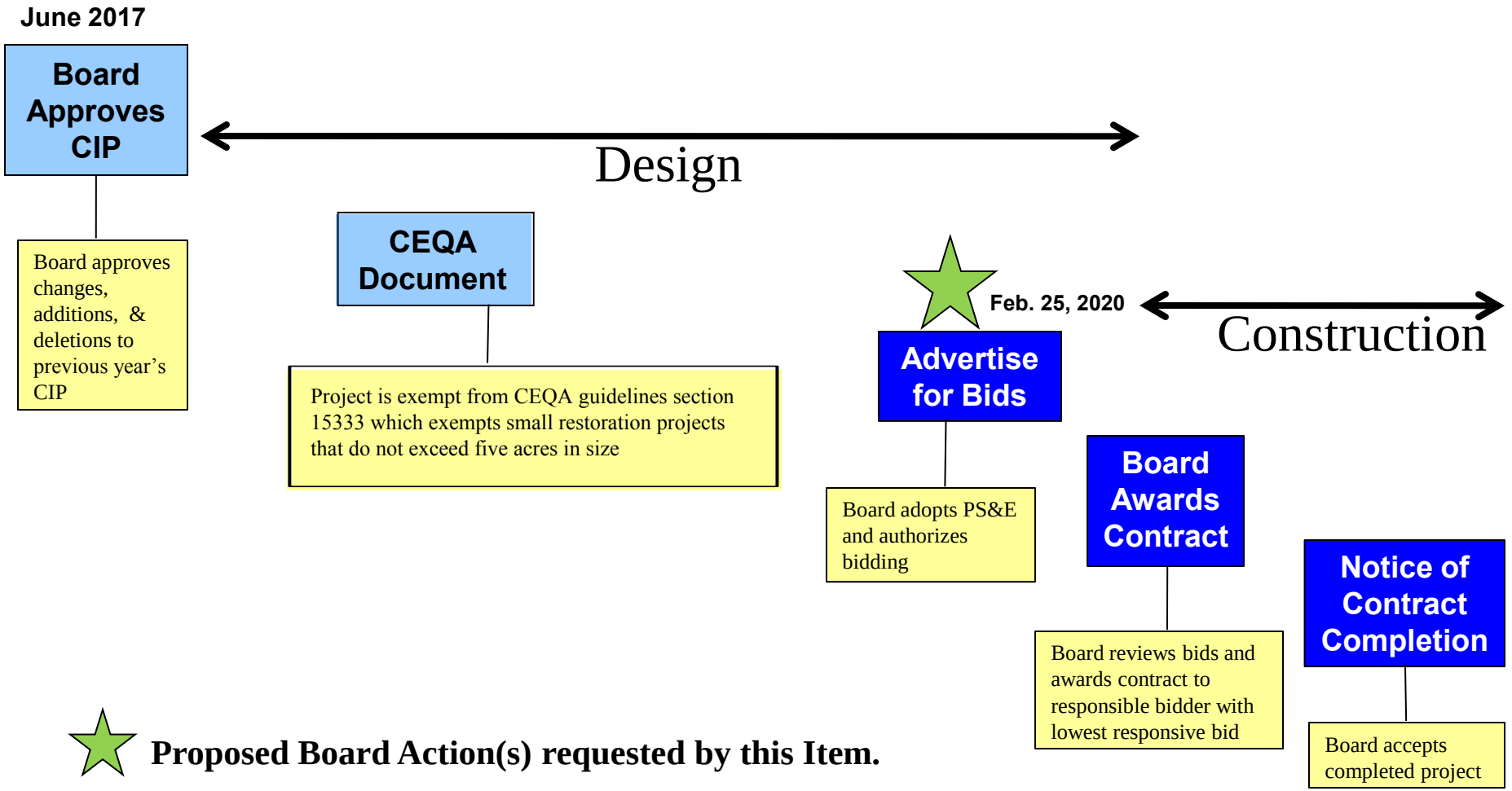
Bolsa Road Fish Passage Improvements Project
Project Delivery Process
Project # 26044002



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Bolsa Road Fish Passage Improvements

Attachment 3 – Location Map

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Santa Clara Valley Water District

File No.: 19-1222

Agenda Date: 2/25/2020
Item No.: *3.3.

BOARD AGENDA MEMORANDUM

SUBJECT:
Approve Agreement with H.T. Harvey & Associates for Landscape Design Services for the Almaden Lake Improvement Project, Project No. 26044001, CAS No. 5044 (San José) (District 4). (PREVIOUSLY LISTED AS ITEM NO. 6.1)

RECOMMENDATION:
Approve the Consultant Services Agreement with H. T. Harvey & Associates for landscape design services for the Almaden Lake Improvement Project for a not-to-exceed amount of $361,474.

SUMMARY:
Background

The Santa Clara Valley Water District (Valley Water) is proposing the Almaden Lake Improvement Project (Project) within the City of San José's Almaden Lake Park (Park). The Project would restore the Alamitos Creek channel through the Almaden Lake (lake) footprint, and recontour and cap the bed of the separated lake. Doing so would reduce the production and release of methylmercury from the lake to downstream Guadalupe River and San Francisco Bay, and remove passage impediments, entrainment risks, and predatory impacts to native fish posed by the lake.

The Project is a Safe, Clean Water and Natural Flood Protection Program Priority D Project under Project D4 - Fish Habitat and Passage Improvement. The Project falls under Key Performance Indicator #1 of Project D4, which requires Valley Water to complete planning and design for two creek/lake separation projects to restore and maintain healthy steelhead trout populations by improving fish passage and habitat. Valley Water is undertaking the Almaden Lake Improvement Project as one of the creek/lake separation projects.

The Project's landscaping (also referred to as revegetation) plan is one of the primary mechanisms for: depicting post-Project conditions for public and permitting agency review; analyzing the Project's long-term environmental benefits; and estimating Project construction and long-term maintenance and monitoring needs and costs. To-date, most Project design elements have been prepared by Valley Water staff, including the conceptual revegetation design. To complete the 60%, 90%, and final Project designs, additional technical expertise of a licensed landscape architect are necessary, as well as regional ecological expertise to ensure the landscaping will establish successfully and meet the environmental objectives of the Project.

Consultant Selection Process

On September 6, 2019, staff published a Request for Proposals (RFP) for the Almaden Lake Improvement Project Landscape Design Services (RFP #5044) and distributed to approximately 37 firms on the Valley Water's self-registered list for expertise AE20 - Landscape Architecture. Additional outreach was sent to approximately 210 firms on the Valley Water's self-registered list for expertise EV15 - Biology General and EV20 - Environmental Flora and advertised in the SJ Post Newspaper and SBE, Inc. The RFP was posted on Valley Water's Contract Administration System internet portal for a four-week period. During this time, staff held a pre-proposal meeting and issued two addendums to clarify details in the RFP and to respond to questions received from interested consultants. Two proposals were received by the submittal deadline of October 8, 2019.

A Consultant Review Board (CRB), consisting of three Valley Water Project team members with subject matter expertise and one representative of the City of San José's Parks Department, evaluated and ranked the two written proposals and conducted an oral interview of the two consultant teams on October 28, 2019. Based on the combined (written and oral) rating scores, the CRB recommended that staff undertake contract negotiations with H. T. Harvey & Associates, the highest rated firm.

On December 2, 2019, staff initiated agreement negotiations with H. T. Harvey & Associates.

Consultant Agreement and Scope of Services

Under the Agreement, and with assistance from subconsultant Merrill Morris Landscape Architects, the H. T. Harvey & Associates team will prepare the 60%, 90%, and final designs, specifications, cost estimates for the landscape, irrigation, and establishment maintenance elements of the Project. They will prepare the associated sections of the Basis of Design Report, and will contribute ecological expertise to the Soils plans, specifications and cost estimates prepared by Valley Water. Since it is closely related to the landscape design, H. T. Harvey & Associates will also prepare the Restoration and Monitoring Plan to accompany the Project's permit applications and guide long-term maintenance and monitoring, as well as visual renderings for decision-maker and public review. Lastly, the H.T. Harvey & Associates team will help Valley Water and the City of San José Parks Department develop an agreed-upon concept for the new park space created by the Project, and will prepare the design, specifications, and cost estimates for the concept. Tasks and budgets are summarized in Table 1. Services will be provided to align with the design schedule of other Project elements, and ultimate environmental review and projected construction schedule.

Table 1. Summary of H. T. Harvey & Associates Agreement Tasks and Budget

Task	Description	Not-to-Exceed Fees
1	Project Management (and meetings)	$30,566.23
2	Data Collection and Investigations	$9,137.72
3	Basis of Design Report	$16,731.52
4	60% Design Document Preparation	$46,788.30
5	90% Design Document Preparation	$45,312.48
6	Final Design Document Preparation	$37,516.95
7	Contributions to Valley Water Soils Plans, Specifications, and Cost Estimates	$7,948.12
8	Restoration and Monitoring Plan	$44,797.84
9	Visual Renderings and Planting Design	$6,706.84
10	New Park Area Concepts, Workshop, and Design	$35,623.02
11	Supplemental Services (including design, specifications, and cost estimates for the new park area concept)	$80,344.94
Total Not-to-Exceed Budget		**$361,473.96**

FINANCIAL IMPACT:
Funding for this item is included in the FY20 Almaden Lake Improvement Project budget. This action will not increase the overall Project cost.

CEQA:
The recommended action does not constitute a project under CEQA because it does not have the potential to result in direct or reasonably foreseeable indirect physical change in the environment.

ATTACHMENTS:
Attachment 1: Agreement

UNCLASSIFIED MANAGER:
Ngoc Nguyen, 408-630-2632

STANDARD CONSULTANT AGREEMENT

(For Capital Consultant Contracts)
Terms and Conditions Template
Rev. B [7/1/2018-06/30/2019]

This agreement (Agreement) is effective once fully executed (Effective Date), by and between SANTA CLARA VALLEY WATER DISTRICT (District), and Triple HS, Inc. d/b/a H. T. Harvey & Associates, a California corporation (Consultant), individually the Party or collectively the Parties.

WHEREAS, the District desires certain services hereinafter described and Consultant affirms it has the requisite experience and expertise, and desires to provide such services.

NOW, THEREFORE, the District and Consultant, for the consideration and upon the Terms and Conditions specified, agree as follows:

SECTION ONE

SCOPE OF SERVICES

The Scope of Services (Services) to be performed pursuant to this Agreement is described in the Schedule(s), Scope of Services, attached hereto and incorporated herein by this reference (Schedule(s)). Services described in each Schedule are considered a Scope of Services that is separate and apart from the Scope of Services described in another Schedule.

SECTION TWO

DUTIES OF CONSULTANT

1. Performance

A. Each Scope of Service described in an attached Schedule(s) must be performed by Consultant, or at its direction, to meet the purposes specified in this Agreement. References to "Consultant" herein include those performing any portion of the Services at its direction such as Subconsultants, vendors, suppliers, subcontractors, and other business entities and individuals. Consultant will collaborate with District staff in engineering, asset management, operations, and maintenance units to be made aware of District operational constraints, procedures, or preferences relevant to Consultant's performance of the Services described in the attached Schedule(s).

B. Unless the requirements for the Services described in the attached Schedule(s) are specifically modified in writing, Consultant must perform Services and provide all deliverables as required.

C. Consultant shall not undertake any Services not described in the attached Schedule(s) unless authorized in writing by the District prior to the performance of such Services by issuance of a Task Order or pursuant to an amendment to this Agreement signed by both Parties.

2. Consultant Controlled Areas

Consultant is responsible for the security and safety of the area(s) it controls wherein it is required to perform field operations pursuant to the Scope of Services.

3. Licensing

Services performed by Consultant will be undertaken only by persons appropriately licensed, certified, or registered in California, as applicable to the Services described herein, when required by statutes or regulations, as well as pursuant to the relevant standard of care as described in subsection 11 Standard of Care. Examples of such Services include those performed by: California State Licensed Contractors, Professional Engineers and Architects, Inspectors, and Surveyors. Consultant shall make available upon District's request documentation of qualifications and licensing of personnel performing Services described herein. Consultant must be registered with the California Department of Labor Standards Enforcement if the Services or a portion thereof is determined to be "Public Works" pursuant to California Labor Code section 1720(a)(1).

4. District's Approval of Deliverables

Deliverables prepared by Consultant, notwithstanding acceptance and approval by District, which District determines must subsequently be modified due to errors or omissions, will be corrected at no additional cost to District.

5. Errors and Omissions

The Services may include preparation of deliverables by Consultant to be implemented in a public works construction project. Consultant is responsible for any direct or actual damages incurred by District which District determines result from Consultant's errors or omissions in Consultant's deliverables, including, but not limited to, any increase in the District's payment(s) due to its construction contractor, which increase is directly attributable to required revisions to the construction contract documents to the extent caused by Consultant's negligent acts, errors, or omissions.

6. District Standardization Requirements

A. Consultant shall perform the Services utilizing District nomenclature, standardized forms, software requirements, documented procedures, and best management practices. Consultant shall use Microsoft Office software and AutoCAD software that is compatible with the District Microsoft Office software and AutoCAD software used at the time(s) the District issues a Notice to Proceed pursuant to this Agreement.

B. Engineering drawings prepared by Consultant must be in compliance with the District's CADD and drafting standards including line types, line weights, text sizes, text orientation, dimensioning, labeling/numbering system for detailed plan views and detailed section views. Drawings prepared using different CADD software and versions must be converted to be compatible with the District's CADD software at no additional cost to the District. Prior to acceptance, the District reserves the right to test the submitted CADD files to verify that the files are not corrupted or missing linkages (for

blocks, etc., used in the drawing) and that the standards are retained during the conversion process used by the Consultant.

7. Consultant's Key Staff and Subconsultants

A. Consultant's Key Staff and firms subcontracted by the consultant (Subconsultants) assigned to perform the Services are identified in Attachment Three to the Scope of Services, Consultant's Key Staff and Subconsultants.

B. The Project team organization chart and delegated responsibilities of each team member will be submitted to the District for concurrence.

C. Consultant may utilize Subconsultants, subcontractors, suppliers, or vendors it deems appropriate to the complexity and nature of the required Services.

1) Consultant must obtain the District's approval of all Subconsultants. Upon the District's request, Consultant must provide copies of all Subconsultant agreements.

2) Consultant must require its delegates or Subconsultants to agree, in writing, to adhere to Terms and Conditions of this Agreement.

D. Any delegation or use of Subconsultants by Consultant will not operate to relieve Consultant of its responsibilities as described in this Agreement.

E. If any of Consultant's designated key staff persons or Subconsultants fail to perform to the satisfaction of the District, on written notice from the District, Consultant will have 15 calendar days to remove that person from the Project and provide a replacement acceptable to the District.

F. Consultant will not charge the District for the time it takes Consultant's replacement personnel to obtain the District-specific Project knowledge in the possession of the person(s) being replaced.

G. Consultant's Key Staff: The District Project Manager may approve any revisions to Consultant's list of key staff assigned to the Project as an administrative modification to this Agreement, and such approval will be confirmed in writing.

H. Consultant's Subconsultants

1) The District Project Manager may approve any revisions to Consultant's list of authorized Subconsultants when the Subconsultant is deleted from the list and the Scope of Services is deleted from the Agreement or such services are assumed by the Consultant; such approval will be confirmed in writing.

2) The District's authorized representative may approve any revisions to Consultant's list of authorized Subconsultants when a listed Subconsultant is replaced (to perform the same Scope) or a new Subconsultant is added (to perform new Scope), provided the firm complies with all insurance requirements established by the District for such work; such approval will be confirmed in writing.

8. Compliance with All Laws

A. Consultant's performance must be in compliance with the most current versions of any and all laws relevant to the Services it performs pursuant to this Agreement, including, but not limited to adherence to: all applicable governmental laws, statutes, ordinances, rules, codes, regulations, orders, and other requirements; governmental requirements applicable to state and federal compliance with the Professional Land Surveyors Act; state and federal Endangered Species Act; state and federal water quality laws; and all other state and federal laws or regulations regarding environmental protection and compliance, health, safety, wages, hours, equal employment opportunity, nondiscrimination, working conditions, and transportation. In the event that the District's assistance is necessary to achieve such compliance, Consultant shall promptly notify the District.

B. Consultant shall provide, at District's request, documentation demonstrating Consultant's compliance with all laws as described herein. After reasonable notice and according to reasonable conditions, the District has the right to inspect and copy any records of Consultant regarding such compliance.

C. Consultant represents and warrants that neither Consultant nor its principals are presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any federal government department or agency.

9. Occupational Safety and Health

A. Consultant will perform the Services in compliance with the most current versions of all laws, standards, rules, and regulations of the Occupational Safety and Health Act, and all state and federal laws and regulations relating to safety and health standards. Consultant shall perform the Services in compliance with, will furnish only supplies, articles, and equipment that comply with such laws, standards, and regulations.

B. Consultant shall immediately notify the District in the event of any personal injury accident or occurrence occurring during the performance of the Services. Upon the District's request, Consultant shall provide the District with documentation fully describing the accident and injury and the actions implemented to prevent similar occurrences.

10. Consultant as Independent Contractor

Consultant will perform all Services as an independent contractor and not an agent or employee of District. Consultant represents and warrants that it and its contractors who are performing any of the Services as Subconsultants will perform such Services as an independent contractor, and neither Consultant nor Subconsultants nor their employees are the servants, agents or employees of the District. Except as expressly provided in this Agreement, the District exercises no direction, supervision or control over Consultant, its employees, agents, or Subconsultants.

11. Standard of Care

A. Consultant must possess and maintain during the term of this Agreement all certifications, licenses, permits, and qualifications to perform the Services and prepare all deliverables. Consultant must perform all Services and prepare all deliverables in accordance with those standards and practices of care, skill, and diligence that are generally recognized and customarily observed by competent persons in Consultant's area of specialty in the State of California at the time such Services are rendered.

B. Consultant shall perform the Services and prepare all deliverables without any errors or omissions, and in accordance with Section Two Duties of Consultant, subsection 8. Compliance with All Laws.

C. Consultant and its Subconsultants must perform the Services in compliance with all applicable written federal, state and local codes, statutes, laws, regulations, and ordinances, including, but not limited to, environmental, energy conservation, and disabled access requirements as per the provisions of Section Two Duties of Consultant, subsection 8. Compliance with All Laws.

SECTION THREE

DUTIES OF DISTRICT

1. Available Data

The District will make available to Consultant all data and information in its possession and control and which it deems necessary to the preparation of the deliverables specified in the Schedule(s). The District will actively aid and assist Consultant in obtaining such information from other agencies and individuals as it deems necessary. The District is not responsible for providing data and information that it does not possess.

2. Review of Deliverables

A. The District will designate a Project Manager (District Project Manager) for purposes of administering and managing this Agreement.

B. Consultant’s progress in completing the Services will be reviewed by the District Project Manager at each milestone identified in the Schedule(s) and at such other time(s) at the discretion of the District.

C. Consultant must notify the District in writing when it completes each deliverable described in the Schedule(s) and provide the District with said deliverable. Deliverables deemed satisfactory and in compliance with this Agreement are subject to approval by District. Within 30 calendar days of receipt of each deliverable, the District will either (1) notify Consultant that the District accepts the deliverable, or (2) notify the Consultant that the deliverable is not acceptable and must be revised.

D. If the District advises Consultant that a deliverable must be revised due to errors or omissions by the Consultant, Consultant must correct, at no cost to the District, those

deficiencies as soon as possible and shall notify the District upon completion of the revised deliverable and submit to the District.

E. The District will then review the revised deliverable and within 30 calendar days of receipt, advise the Consultant if the revised deliverable is acceptable. All deficient deliverables will be revised at no cost to the District and this process will continue until Consultant has corrected all deficiencies identified by the District.

F. None of the proposed changes or revisions or anything else in this Agreement will be construed to relieve the Consultant of professional or legal responsibility for the performance of the Services as otherwise required by the Terms and Conditions of this Agreement. Corrections to any deliverable as a result of Consultant's errors or omissions, as determined by the District, will not result in additional costs or expenses to the District.

3. Access to District Facilities

The District will facilitate access to District facilities as required for the Consultant to perform the Services.

SECTION FOUR

FEES AND PAYMENTS

1. Total Fixed Not-to-Exceed Fees

A. Payment for all Services performed by Consultant to the satisfaction of the District, as described in the Schedule(s) will be based on the Total Fixed Not-to-Exceed (NTE) Fees stated in Attachment One to the Schedule(s), Fees and Payments, for completion of the associated tasks. The District will make payments to the Consultant according to the terms provided for herein and in Attachment One to the Schedule(s), Fees and Payments. Payments made by the District to the Consultant for Services rendered will be considered full compensation for all personnel, materials, supplies, Subconsultant(s), equipment, reimbursable travel and per diem expenses incurred by the Consultant to perform the Services.

B. Upon the written approval of the District Deputy Operating Officer referenced herein, unused fees from a completed or cancelled task may be re-allocated to a task that has not yet been completed, provided the Agreement Total Not-to-Exceed Fees is not exceeded. Transferring fees from a task not yet completed to a different task is not permitted.

C. Upon the written approval of the District Deputy Operating Officer referenced herein, the Scope of Services described in a task may be reduced or eliminated. If the Scope of Services of a task is reduced or eliminated, the portion of the fees attributable to that reduced or eliminated task may be allocated to revised existing tasks, or transferred to a Supplemental Services task, if provided for herein.

D. Any reduction or elimination of tasks and any inter-task transfers will be clearly noted and described in the subsequent monthly progress report to the District.

E. Services to be performed pursuant to the Supplemental Services task, if provided for herein, will commence only after issuance of a fully executed Task Order.

F. Automobile travel mileage expenses will be paid at the current IRS rate. District will not reimburse Consultant nor its Subconsultants for mileage nor travel time to and from District Headquarters and surrounding campus located at 5700 Almaden Expressway, San Jose, California. However, District will reimburse Consultant and its Subconsultants for mileage incurred from District Headquarters or Consultant's and Subconsultants' firm address, whichever is closer to the destination, to Project site(s) and, if directed or authorized by the District, to meeting locations with regulatory agencies, for community outreach activities and meetings, for partnering meetings, and Dispute Review Board meetings.

2. Consultant Monthly Invoices

A. Consultant's monthly invoices will be prepared in accordance with the terms of this Agreement, Section Four Fees and Payments, and represent Services performed and reimbursable costs incurred during the identified billing period. Invoices must be consistent with Scope of Services described in the Schedule(s) attached hereto; and include the following:

1) Employee classification and name itemized with all labor charges by Service task;

2) Summary of the amount Consultant has been billed by their Subconsultants and further detailed by Service task;

3) Other direct charges and expenses by Service task;

4) Other direct charges and expenses must reflect actual fees versus the Agreement Not-to-Exceed Fees as stated in Attachment One to Schedule(s), Fees and Payments; and

5) To the extent that the Consultant is adding an administrative, processing, overhead or mark-up fee, the District will not pay for such duplication of costs for both the Consultant and its Subconsultants.

B. Before submitting monthly invoices, a progress report and draft invoice (in Adobe PDF format) will be provided by the Consultant for preliminary review by the District Project Manager. Upon preliminary approval by the District, the Consultant will mail the complete signed and dated hardcopy invoice, including all supporting documentation. District's preliminary review of the draft invoice does not represent final approval of the hardcopy invoice but is intended to reduce potential for re-submittals of hardcopy invoice by Consultant.

C. Each monthly invoice must include a monthly progress report that documents whether or not the Services are on schedule to be completed in accordance with the Project Schedule in Attachment Two to the Schedule(s), Schedule of Completion, which applies to the specific Scope of Services, and within the Agreement NTE Fees in accordance with Attachment One to the Schedule(s), Fees and Payments. The progress report shall document Services completed, the execution of the tasks described in this Services, and

enable the District to evaluate the Consultant's progress and performance towards completion of the Services.

1) The monthly progress report shall include:

   a. An assessment of actual versus planned progress in completing the Services, including a description of the tasks and deliverables completed to date;

   b. A look-ahead schedule listing deliverables and activities planned for the next two months;

   c. A statement that progress towards completion of the Services is on schedule and will be completed within the timeline set forth in the Schedule of Completion; or, if completion of the Services is not on schedule, then a statement of the anticipated length of the delay, the cause of the delay, measures proposed or taken to prevent or minimize the delay, and the schedule for implementation of such measures;

   d. A summary of performed tasks to date, an updated Project work plan including estimate of work required to complete this Agreement, explanation of any major variances in percentage of services to be completed compared to percentage of this Agreement NTE fees remaining, and any anticipated changes to this Agreement that may be necessary to complete the Services;

   e. For any proposed change to the Scope of Services, provide a summary of the proposed changes, including supporting rationale for such change;

   f. For each task, the percentage of the fees incurred for the task compared to dollar amount allocated to the task, the percentage of services performed versus the percentage of Agreement NTE fees incurred for such task, and explanation of any significant variances in percentage of services performed compared to percentage of fees incurred;

   g. A statement that all tasks, as specified in this Agreement, shall be completed within the NTE amount of the Agreement;

   h. Level of Small Business Enterprise (SBE) participation, if applicable, documenting the level of SBE participation throughout the Project; and

   i. Any changes in Consultant's key staff or Subconsultants.

D. Invoices will include a summary of labor expenditures, direct costs, and billed Subconsultant charges. Invoices, transmitted separately from the monthly progress reports, will be organized such that the billing categories correspond with the Services tasks.

E. Consultant shall send all invoices to:

   Santa Clara Valley Water District
   Attention: Accounts Payable

P.O. Box 20670
San Jose, CA 95160-0670

F. In addition to ensuring that each invoice is accompanied with a monthly progress report, Consultant must also ensure that each invoice contains the following information:

1) Agreement Number;
2) Full Legal Name of Consultant/Firm;
3) Payment Remit-to Address;
4) Invoice Number;
5) Invoice Date (the date invoice is mailed); and
6) Beginning and end date for billing period that services were provided.

G. Consultant shall invoice for its performance of the Services on a monthly basis consistent with the task fee breakdown stated in Attachment One to the Schedule(s), Fees and Payments, to the Schedule(s), which applies to the specific Scope of Services.

H. District Project Manager will review Consultant's written invoice within five District business days of receipt, address any questions with Consultant's Contact/Principal Officer and approve the undisputed amount of the invoice within ten working days of receipt of the invoice. District will pay undisputed invoice amounts within 30 calendar days from date invoice is received by District Project Manager.

I. Consultant's services will be performed by its staff members and Subconsultants' staff members at the lowest hourly and unit rates commensurate with the complexity of the required Services.

3. Prevailing Wages

A. A portion of the Services to be performed pursuant to this Agreement may be considered "Public Works" subject to California Labor Code §1771, et. seq. and the applicable implementing regulations.

B. Labor Code §1720 includes "Inspection and Land Surveying" in its definition of "Public Works." If Consultant's Services includes such work, Consultant and its Subconsultants must comply with all Labor Codes applicable to prevailing wages.

C. Consultant and its Subconsultants shall not engage in the performance of public work, as defined in California Labor Code §1771.1, unless currently registered and qualified to perform public work pursuant to California Labor Code §1725.5.

D. The General Prevailing Wage Rates issued by the California Department of Industrial Relations may be adjusted by the State throughout the term of this Agreement. Notwithstanding any other provision of this Agreement, Consultant will not be entitled to any adjustment in compensation rates in the event there are adjustments to the General Prevailing Wage Rates.

E. This Agreement is subject to compliance monitoring and enforcement by the State of California Department of Industrial Relations. Upon request, the Consultant and

Subconsultants must furnish the records specified in Labor Code §1776 directly to the Labor Commissioner, in a format prescribed by the Labor Commissioner.

F. All records or documents required to be kept to verify statutory compliance with the prevailing wage requirement, such as certified payroll records, must be made available for audit at no cost to the District, at any time during regular business hours, upon written request by the District.

G. **California State Department of Industrial Relations Contractor and Sub-Contractor Registration Requirements**

Prior to the District executing a Task Order for Services involving public works, as defined herein, the Consultant, and its Subconsultant(s) performing public works, must provide evidence, in the form required by the District, that Consultant and its Subconsultant(s) are in compliance with the California State Department of Industrial Relations Contractor and Sub-Contractor Registration Requirements.

4. Retention

Unless otherwise specified in Attachment One to the Schedule(s), Fees and Payments, when the total compensation payable pursuant to this Agreement exceeds $20,000, ten percent of each invoice will be withheld by the District and not paid to Consultant until 30 calendar days after the assigned District representative signs the final approval for all Services/deliverables as stated in the applicable Schedule, Attachment Two to the Schedule(s), Schedule of Completion, and Section Three Duties of District, subsection 2. Review of Deliverables. Provided that at any time after 50% of the work has been completed, the District may, at its sole discretion, determine that satisfactory progress is being made in the completion of the Agreement, and prospectively make the remaining progress payments in full. The retention previously withheld on the first 50% of the work will continue to be withheld until final contract close out.

SECTION FIVE

SCHEDULE OF COMPLETION

1. Performance of Tasks

Consultant will commence performing the tasks described in the Scope of Services of the attached Schedule(s) to this Agreement upon receipt of the Notice to Proceed issued by the District.

2. Project Schedule Table

Consultant will perform and complete the services described in the Scope of Services in accordance with the Project Schedule table (Project Schedule) as stated in Attachment Two to the Schedule(s), Schedule of Completion. Consultant will coordinate services with the District to provide the timeline of all tasks and subtasks, including the site visits, document review, meetings, and deliverables.

3. Monitoring of Project Schedule

The approved Project Schedule will be monitored monthly. Changes to the schedule for performance of tasks and deliverables are subject to advance written approval by the District.

4. Project Delays

Consultant will make all reasonable efforts to comply with the Project Schedule as stated in the Attachment Two to the Schedule(s), Schedule of Completion. In the event the Project Schedule will be delayed, Consultant will notify the District Project Manager as soon as possible, providing the reason why, the length of the delay, and a description of the actions being taken to address the delay. In the event Consultant is delayed in performance of its services by circumstances beyond its control, District may, at its discretion, grant a reasonable adjustment in the Project Schedule.

5. Changes to the Project Schedule

District Project Manager and Consultant may agree to modify the Project Schedule specified for Consultant's performance as an administrative modification to the Agreement and will confirm such modifications in writing.

SECTION SIX

AGREEMENT MODIFICATIONS

The Parties may agree to modify the Terms and Conditions of this Agreement by executing a written amendment hereto.

SECTION SEVEN

TERM AND TERMINATION

1. Term & Automatic Termination

This Agreement encompasses all Services that Consultant is responsible to perform within the time limits and Not-to-Exceed Fees set forth herein. Consultant will not undertake to provide Services where it reasonably appears that the Services cannot be provided and expenses cannot be incurred within said total compensation limit and the applicable Not-to-Exceed Fees of any Task Order.

2. District Rights

A. Suspension: District may, by written notice to Consultant, suspend any or all Services pursuant to this Agreement or to any individual Task Order. District may subsequently terminate this Agreement or any Task Order for convenience or determine to proceed. If a decision to proceed is not made within 90 days from the date of the notice of suspension, any decision to proceed must be conditioned upon execution of a new Notice to Proceed or Task Order.

B. Termination for Convenience: District may, by written notice to Consultant, terminate all or part of this Agreement or any Task Order at any time for District's convenience. Upon receipt of such notice, Consultant will immediately cease all work as specified in the notice. If this Agreement or any Task Order is so terminated, Consultant will be compensated as set forth in subsection 3. Consultant's Compensation upon Termination or Suspension.

C. Termination for Breach: If Consultant violates any of the covenants, agreements or stipulations of this Agreement or a Task Order, or if Consultant fails to fulfill in a timely and proper manner its obligations pursuant to this Agreement or any Task Order, and does not cure such failure or violation within 30 days (or a reasonable extension thereof, if requested, which extension will not be unreasonably withheld) after receipt of written notice from District specifying such failure or violation, District will thereupon have the right to terminate this Agreement and any or all uncompleted Task Orders by giving written notice to Consultant of such termination. Such notice will specify the effective date thereof, and Consultant will not be entitled to compensation for services or expenses beyond the specified termination date.

D. If, after notice of termination for breach of this Agreement or any Task Order, it is determined that Consultant did not breach the Agreement or Task Order, the termination will be deemed to have been affected for District's convenience, and Consultant will receive payment that is allowed by this Agreement for a termination for convenience.

E. The rights and remedies provided herein to District are in addition to any other rights and remedies provided by law, this Agreement, or a Task Order.

3. Consultant's Compensation upon Termination or Suspension

In the event of termination of this Agreement or any Task Order, or suspension of Services by District, Consultant shall receive compensation based on satisfactory performance, accepted by the District, as follows:

A. Direct Labor: Consultant shall be entitled to receive compensation for all authorized direct labor performed prior to termination pursuant to the provisions of this Agreement or Task Order and all authorized labor expenses incurred to demobilize from the Project after the date of termination;

B. Other Direct Costs and Expenses: Consultant shall be entitled to receive compensation for all authorized other direct costs and expenses incurred prior to termination and all authorized expenses incurred to demobilize from the Project after the date of termination;

C. In no event shall the total compensation paid for any item of Service exceed the payment specified in the Agreement or applicable Task Order for that item of Service.

4. Survival

The Terms and Conditions of this Agreement, that by their context and a standard of reasonableness, are intended to survive termination, suspension, completion, and expiration of this Agreement, shall survive, including but not limited to, the following Sections and

subsections: Independent Contractor Status, Confidentiality, Indemnification, Insurance Requirements, and Dispute Resolution, as well as any Consultant representations and warranties.

SECTION EIGHT

INDEMNIFICATION

Notwithstanding any other provision of this Agreement, Consultant agrees to indemnify, defend and hold harmless the District, its agents, officers, directors, and employees from and against any and all demands, claims, damages, losses and reasonable expenses, including but not limited to liabilities, obligations, claims, costs, reasonable expenses (including, without limitation, interest, penalties and reasonable attorney's fees), fines, taxes, levies, imposts, assessment, demands, damages or judgments of any kind or nature, whether in law or equity (including, without limitation, death or injury to any person, property damage, administrative and judicial orders and consents, or any other loss) to the extent they arise out of, pertain to, or relate to the Consultant's negligence, recklessness, or willful misconduct. The foregoing does not limit any strict liability imposed onto the Consultant by law. The rights, duties, and obligations of the Parties as set forth above in this Section Eight, Indemnification, survive termination, expiration, completion, and suspension of this Agreement.

SECTION NINE

INSURANCE REQUIREMENTS

Insurance requirements applicable to this Agreement are set forth in the Standard Consultant Agreement, Appendix Four Insurance Requirements. Consultant must provide and maintain at its own expense, during the term of this Agreement, or as may be further required herein, all insurance coverages as detailed in the Standard Consultant Agreement, Appendix Four Insurance Requirements, and comply with all provisions stated therein.

SECTION TEN

OWNERSHIP AND REUSE OF DELIVERABLES

1. District Ownership

All deliverables and other materials prepared by Consultant, including computer programs and media developed by the Consultant, to perform the Services, during the term of this Agreement, will be and remain the property of the District following payment in full to Consultant for each task or portion of a completed task, or in accordance with Section Seven Term and Termination. In the event the work is not completed, the completed portions thereof will become the property of the District. Consultant will provide the District with such deliverables and material at appropriate times during this Agreement. Consultant may retain a copy for its records. Consultant does not convey, assign, or transfer the intellectual property rights it has so as to limit its ability or right to develop, design, or provide services on other projects of or for its other clients.

2. Reuse of Instruments of Service

If the District desires to reuse the completed plans, specifications, or other deliverables, in total or in part, on project sites associated with this Agreement, or any other site, or to complete any incomplete portion of construction documentation which the District has already paid Consultant, the District will release Consultant from any liability incurred by the District from reusing said deliverables.

3. Copies of Data

Copies of data exchanged by, through, and between the District and Consultant that may be relied upon are limited to printed copies. Computer-generated files, disks, or tapes of text, data or graphics that are furnished are only for the mutual convenience of the Parties.

4. Computer-Generated Material

Any risk of translation or reliance on information obtained or derived from computer-generated material is at the user's sole risk, and no representations are made, either express or implied, as to the long-term performance of data thus transferred.

5. Work for Hire

Any and all original correspondence, memoranda, reports, designs, plans, specifications, data compilations, computer programs, or drawings delivered to the District by Consultant according to the Terms of this Agreement, in or by any medium is deemed to be "work for hire" according to the copyright laws of the United States and the copyright belongs to the District.

6. Copyright Claims

Co-venturers, subcontractors, Subconsultants, suppliers, and vendors to Consultant are likewise bound by these copyright terms. The District makes no copyright claim and requires no release for copyrighted material or trademarked names used incidentally by Consultant.

SECTION ELEVEN

EQUAL OPPORTUNITY

1. Equal Opportunity Employer

The Santa Clara Valley Water District is an equal opportunity employer and requires its consultants to have and adhere to a policy of equal opportunity and non-discrimination. In the performance of the Agreement, the Consultant will comply with all applicable federal, state, local laws and regulations, and will not discriminate against any subcontractor, employee, or applicant for employment in the recruitment, hiring, employment, utilization, promotion, classification or reclassification, transfer, recruitment advertising, evaluation, treatment, demotion, layoff, termination, rates of pay or other forms of compensation, and selection for professional development training (including apprenticeship), or against any other person, on the basis of sex (which includes pregnancy, childbirth, breastfeeding and medical conditions related to pregnancy, childbirth or breastfeeding), race, religion, color,

national origin (including language use restrictions), ancestry, religious creed (including religious dress and grooming practices), political affiliation, disability (mental and physical, including HIV or AIDS), medical condition (cancer and genetic characteristics), genetic information, marital status, parental status, gender, age (40 and over), pregnancy, military and veteran status, sexual orientation, gender identity and gender expression, the exercise of family and medical care leave, the exercise of pregnancy disability leave, or the request, exercise, or need for reasonable accommodation.

2. Compliance with Applicable Equal Opportunity Laws

The Consultant's policy must conform with applicable state and federal guidelines including the Federal Equal Opportunity Clause, "Section 60-1.4 of Title 41, Part 60 of the Code of Federal Regulations," Title VII of the Civil Rights Act of 1964 as amended; the Americans with Disabilities Act of 1990; the Rehabilitation Act of 1973 (Sections §503 and 504); the Age Discrimination Act of 1975 (42 U.S.C. sec. 6101 et seq.); the California Fair Employment and Housing Act (Government Code Section 12900 et. seq.); and California Labor Code §1101 and 1102.

3. Investigation of Claims

Consultant must designate a specific position within its organization to be responsible for assuring nondiscrimination and non-harassment as provided in this Agreement. Consultant must investigate all complaints directed to it by District. District will refer complaints in writing and Consultant will advise District in writing when such investigations are concluded. The scope of such investigations must include all appropriate officers, employees, and agents of the Consultant, as well as all subcontractors, Subconsultants, and material suppliers of the Consultant. In cases where such investigation results in a finding of discrimination, harassment, or hostile work environment, Consultant must take prompt, effective disciplinary action against the offender.

SECTION TWELVE

MISCELLANEOUS PROVISIONS

1. Entire Agreement

This Agreement, which includes the Terms and Conditions, Appendices, the Schedule(s), Attachments to the Schedule(s), and all executed Task Orders, represents the entire understanding between the Parties hereto relating to the Services described in this Agreement and supersedes any and all prior proposals or agreements, whether written or oral, that may exist between the Parties. This Agreement may not be modified or amended except in writing as stated herein. To the extent that any Schedule conflicts with this Agreement, this Agreement shall control.

2. Formation of Agreement

A. No agreement between the Parties is formed until all applicable actions have been completed to the satisfaction of District. The District Project Manager will not issue a Notice to Proceed until all required documents have been submitted and accepted by the District.

B. Formation of this Agreement between the Parties requires accomplishment of the following, as applicable:

1) Execution of the Agreement by Consultant;

2) Submission by the Consultant, and acceptance by the District, of evidence of all required insurance coverages and documents;

3) Submission by the Consultant, and acceptance by the District, of evidence of all required Form 700 documents, if applicable;

4) Submission by the Consultant, and acceptance by the District, of all required Non-Disclosure Agreements (NDA) documents as provided in Attachment Four to the Schedule(s), Reference Materials, if applicable;

5) Submission by the Consultant, and acceptance by the District, of a Health and Safety Plan, if applicable;

6) Any other requirements that are deemed necessary by the District; and

7) Execution of the Agreement by the District.

3. No Assignment

A. The expertise and experience of Consultant are material considerations for District's award and execution of this Agreement. Consultant will not assign or transfer any interest in this Agreement nor the performance of any of Consultant obligations hereunder, without prior written consent of District in the form of an amendment executed by the Parties, and any attempt to so assign this Agreement, or any rights, duties or obligations arising hereunder, will be void and of no effect. Any assignment of monies due or to become due in accordance with this Agreement, will be to the extent permitted by law, and will be subject to all proper set-offs, deductions, and withholdings in favor of the District.

B. In no event shall an assignment of any interest in this Agreement release the Consultant from its duties and responsibilities as described in this Agreement nor shall the Consultant be released from liability created by the provision of Services as described in this Agreement until such assignment takes effect. Any attempted or purported assignment without the District's written consent in the form of an amendment executed by the Parties is null and void.

4. Reasonableness

Discretionary actions or approvals to be performed by the Parties will be exercised in a reasonable manner.

5. Gifts

Consultant hereby acknowledges that District policy prohibits the acceptance by District

personnel of gifts of any kind from its contractors, consultants, suppliers or vendors. Consultant shall honor this policy by not sending or bringing gifts to the District.

6. Audits

Consultant agrees that the District and its agent(s) have the right to review, obtain, and copy all records pertaining to performance of this Agreement. Consultant agrees to provide the District and its agent(s) with any relevant information requested and will permit the District and its agent(s) access to its premises, upon reasonable notice, during normal business hours for the purpose of interviewing employees and inspecting or copying books, records, accounts, computerized records, and other materials that may be relevant to the matter under investigation or subject to audit, such as by a government agency, providing the District with grant funds to pay for Consultant's services for the purpose of determining compliance with this Agreement. Consultant further agrees to maintain such records for a period of three years after final payment as provided for in this Agreement.

7. Force Majeure

Neither Party will be held responsible for delays caused by acts beyond its control, such as acts of God or public enemies, utility or communication delays, or failures not caused by such Party's negligence or fault, accidents not caused by such Party's negligence or fault, labor disputes, war, or failure of the other Party to provide data as required pursuant to this Agreement.

8. Binding Effect

This Agreement is binding on the heirs, executors, administrators, successors and assigns of the Parties.

9. Choice of Law and Venue

The Parties agree that this Agreement is to be governed, construed and enforced in accordance with the laws of the State of California. The Parties also agree that the venue of any litigation arising out of or connected with this Agreement will lie exclusively in the state trial court or Federal District Court located in Santa Clara County in the State of California, and the Parties consent to jurisdiction over their persons and over the subject matter of any such litigation in such courts, and consent to service of process issued by such courts.

10. Confidentiality

A. Due to the nature of the services Consultant will provide pursuant to this Agreement, there may be disclosures made to Consultant of detailed information about the District's operations, including on a need-to-know basis information which may be protected from public disclosure by confidentiality laws, the attorney-client privilege, and/or other provisions of law which govern the nature and timing of disclosure of public information.

B. Consultant understands and acknowledges that District staff members providing information to the Consultant do so with the understanding that such information will be handled appropriately.

C. In the event Consultant receives such restricted or confidential information, Consultant will limit access to the information to only those of Consultant's employees, its subcontractors and its Subconsultants authorized by the District to have the information.

D. Consultant will notify the District immediately of any request by any third party to have access to confidential information and will not disclose the requested information without first receiving express written authorization from the District.

E. The requirements stated herein will survive completion, expiration, suspension, and termination of this Agreement.

11. Release of Information Prohibited

Consultant is not permitted to provide any information concerning the Project to the media nor anyone other than authorized District personnel. Consultant will not release any information pertinent to the Project for publication, public disclosure, or in any other manner without first obtaining clearance and a release in writing from the District. Any media inquiry at any time to Consultant relating to any matter concerning Services provided or requested to be provided pursuant to this Agreement will be referred immediately to the District. Consultant will not communicate with the media regarding any such matter.

12. Conflict of Interest

A. Consultant represents that there exists no actual or potential conflict of interest concerning the services to be performed pursuant to this Agreement.

B. Consultant represents that Consultant's performance required as stated in this Agreement does not require the breach of any agreement or obligation to keep in confidence the proprietary information of another party. Consultant will not bring to the District, or use in the performance of Consultant's duties as described in this Agreement, any materials or documents of another party considered confidential or proprietary unless Consultant has obtained written authorization from such party, and the informed consent of the District, for the possession and use of such materials.

C. Consultant represents and warrants that during the term of the Agreement, Consultant, Consultant's parent company, Consultant's subsidiaries, or any affiliated entity sharing substantially similar ownership of or control with Consultant shall not act as a Consultant or expert for any party in support of any potential or active claim or legal action against the District by such party.

D. CALIFORNIA FAIR POLITICAL PRACTICES COMMISSION STATEMENT OF ECONOMIC INTEREST FORM 700 ("FORM 700"): Upon District's request, Consultant employees, officers, agents, Subconsultants, and subcontractors shall complete, execute, and submit a Form 700 as follows:

1) Consultant employees, officers, agents, Subconsultants, and subcontractors assigned to perform services pursuant to this Agreement, shall file, in a manner prescribed by the District, an Assuming Office Statement. The Assuming Office Statement shall be filed:

a. Within 30 calendar days of the effective date of this Agreement; or

b. Within 30 calendar days of Consultant hiring, adding, or promoting to a designated filer position, employees, officers, agents, Subconsultants, and subcontractors to perform services pursuant to this Agreement.

2) Consultant employees, officers, agents, Subconsultants, and subcontractors assigned to perform services pursuant to this Agreement, that filed an Assuming Office Statement, shall file in a manner prescribed by the District, an amendment to their Form 700 any time there is a change to their disclosure information.

3) Consultant employees, officers, agents, Subconsultants, and subcontractors assigned to perform services pursuant to this Agreement, that filed an Assuming Office Statement, shall file an Annual Statement in a manner prescribed by the District, during the District's annual filing season as determined by the District;

4) Consultant employees, officers, agents, Subconsultants, and subcontractors assigned to perform services pursuant to this Agreement, that filed an Assuming Office Statement, shall file, in a manner prescribed by the District, a Leaving Office Statement with the District when one of the following occurs:

a. Upon termination of this Agreement; or

b. Within 30 calendar days of Consultant employees, officers, agents, Subconsultants, and subcontractors vacating a designated filing position (i.e., removed from the Project, promotion, demotion, transfer to non-designated position, end of employment, or as a result of changes in designated filer positions in the District's Conflict of Interest Code).

5) Consultant understands and agrees that its employees, officers, agents, Subconsultants, and subcontractors may be disqualified from providing services to the District pursuant to the California Political Reform Act, Gov. Code §81000 et. seq. and Government Code §1090. If any of Consultant's employees, officers, agents, Subconsultants, and subcontractors are disqualified from providing services, on written notice from District Project Manager, Consultant will have 15 calendar days to remove said employee(s), officer(s), agent(s), Subconsultant(s)' and subcontractor(s)' employee(s) from the Project and provide a replacement acceptable to the District.

6) The failure of Consultant's employees, officers, agents, Subconsultants, and subcontractors to file an Assuming Office, Annual, Amended, or Leaving Office Statement within the time prescribed by the District is deemed a material breach and may result in termination of the Agreement for cause.

13. Task Orders

A. Some tasks and Services be assigned to the Consultant through issuance of Task Orders. After the tasks and Services are identified and communicated to the Consultant by the District Project Manager, Consultant will prepare a proposed Task Order (See the Standard Consultant Agreement, Appendix Three Task Order Template). The

proposed Task must identify the following:

1) Description of the services, including deliverables;

2) The total Not-to-Exceed Fees for Consultant to complete the services, including estimated number of hours per assigned staff to complete the services;

3) Proposed staff that will be assigned to complete the services, including resumes if not previously provided to the District's Project Manager;

4) Estimated cost of each other direct cost and reimbursable expense, including any applicable fees;

5) Schedule for completing the services; and

6) Copies of applicable state and federal permits required to complete the services, unless previously provided to the District.

B. Consultant agrees that the Not-to-Exceed Fees specified in a proposed Task Order will be the product of a good faith effort in exercising its professional judgment. After an agreement has been reached on the negotiable items, the finalized Task Order will be signed by both the District's authorized representative referenced in the Standard Consultant Agreement, Appendix One Additional Legal Terms (Appendix One) and Consultant's authorized representative.

C. Consultant must not commence performance of work or services on a Task Order until it has been approved by the District's authorized representative and Notice to Proceed has been issued by the District Project Manager. No payment will be made for any services performed prior to approval or after the period of performance of the Task Order. The period of performance for Task Orders will be in accordance with dates specified in the Task Order. No Task Order will be written which extends beyond the expiration date of this Agreement. The total amount payable by the District for an individual Task Order will not exceed the amount agreed to in the Task Order.

D. Prevailing Wage Requirements: The Scope of Services may be considered by the District to be "Public Works" requiring the payment of prevailing wages. See the Standard Consultant Agreement Section Four Fees and Payments, subsection 3. Prevailing Wages, and Appendix Three Task Order Template.

14. Good Neighbor

The District always strives to be a good neighbor to the community adjacent to its facilities. Consultant will ensure that disturbance to neighbors is minimized. Consultant, its staff, and Subconsultants will always interact with the members of the public in a polite and professional manner.

15. Governmental Permits and Notifications

Unless otherwise expressly stated herein or in an executed Task Order, Consultant

represents and warrants that it has investigated the need for, and has or will procure, at its cost, and in its own name to the extent allowed by law, all governmental permits, notifications, approvals and inspections required for the performance of the Services. Consultant shall promptly notify the District if any such permit or approval lapses or is modified or revoked. If, pursuant to applicable law, any such permits or approvals must be procured in the District's name, Consultant shall promptly so inform the District and assist the District in obtaining such permits or approvals.

16. Taxes and Benefits

Consultant has full and exclusive liability for the payment of, and Consultant will pay, any and all taxes and contributions for unemployment insurance, retirement benefits, workers' compensation insurance or benefits, life insurance, pensions, annuities and similar benefits and any other employment-related costs, obligations, and duties that may now or hereafter be imposed by law, collective bargaining agreements or otherwise with respect to persons employed by Consultant for the performance of Services pursuant to this Agreement.

17. Nonwaiver of Rights

The failure of either Party to this Agreement to object to or to take affirmative action with respect to any conduct of the other Party that is in violation of the terms of this Agreement will not be construed as a waiver thereof, or as waiver of any future breach or subsequent wrongful conduct.

18. Notices

Unless otherwise specified in this Agreement, all requests for written approval or legal notices must be sent to the representatives below. All notices are deemed to have been given when made in writing and when delivered or mailed to the representatives of the District and Consultant at their respective addresses as follows:

DISTRICT:

Deputy Officer, as listed in Section 1. Representatives, of the attached Schedule(s), Scope of Services

CONSULTANT:

Consultant Principal Officer, as listed in Section 1. Representatives, of the attached Schedule(s), Scope of Services

19. Appendices

The following listed Appendices are incorporated herein by this reference as though set forth in full:

Appendix One - Additional Legal Terms
Appendix Two - Dispute Resolution
Appendix Three - Task Order Template
Appendix Four - Insurance Requirements

20. Schedule(s) and Attachments

Schedule D, Scope of Services, and the following listed Attachments are incorporated herein by this reference as though set forth in full:

Attachment One to Schedule D - Fees and Payments
Attachment Two to Schedule D - Schedule of Completion
Attachment Three to Schedule D - Consultant's Key Staff and Subconsultants
Attachment Four to Schedule D - Reference Materials

(SIGNATURES FOLLOW ON NEXT PAGE)

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IN WITNESS WHEREOF, THE PARTIES HAVE SET FORTH BELOW THEIR CONSENT TO THE TERMS AND CONDITIONS OF THIS AGREEMENT THROUGH THE SIGNATURES OF THEIR DULY AUTHORIZED REPRESENTATIVES.

SANTA CLARA VALLEY WATER DISTRICT
District

By: _____
Nai Hsueh
Chair, Board of Directors

Date: _____

ATTEST:

Michele L. King, CMC
Clerk, Board of Directors

TRIPLE HS, INC.
Consultant

By: _____
Daniel D. Stephens
Vice President

Date: _____

Consultant's Address:

983 University Avenue, Building D
Los Gatos, CA 95032-7637

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STANDARD CONSULTANT AGREEMENT
APPENDIX ONE
ADDITIONAL LEGAL TERMS

1. Conflict of Interest for Future Services

Consultant, Consultant's parent company, Consultant's subsidiaries, or any affiliated entity sharing substantially similar ownership of or control with Consultant shall not submit a proposal:

A. For any agreement contract to be awarded for construction management and construction of any project that is related to the Services provided pursuant to this Agreement;

B. In response to any request for proposal or District solicitation developed or prepared by or with the assistance of Consultant, Consultant's parent company, Consultant's subsidiaries, or any affiliated entity sharing substantially similar ownership of or control with Consultant; or

C. For any single or sole source products/services related to the Services pursuant to this Agreement, or have a financial stake in any single or sole source products/services resulting from this Agreement.

2. Dispute Resolution

If a dispute occurs between the Parties as a result of this Agreement, then the Parties agree to use the Dispute Resolution process outlined in the Standard Consultant Agreement, Appendix Two Dispute Resolution.

3. Small Business Enterprise (SBE) Participation

This Agreement provides for the Consultant to include California Department of General Services certified Small/Micro Businesses in the performance of the Services, estimated to be **30%** or more of the Total Not-to-Exceed Fees stated in the Standard Consultant Agreement, Attachment One Fees and Payments, to the Schedule(s), and Consultant agrees to use its best efforts to meet this goal.

4. Task Order Approvals

A. Services to be performed pursuant to a Task Order may only commence once a specific Notice to Proceed for that Task Order has been issued by the District.

B. Task Orders are subject to approval by the District Deputy Officer unless delegated to the Unit Manager.

C. District Unit Manager(s) is authorized to approve individual Task Orders in an amount not-to-exceed $ [Authorization Amount]. [NOT USED]

D. The total not-to-exceed amount for any one Task Order shall not exceed $ [NOT-TO-EXCEED AMOUNT]. [NOT USED]

STANDARD CONSULTANT AGREEMENT
APPENDIX TWO
DISPUTE RESOLUTION

1. Consultant's Questions and Concerns

Questions regarding the Terms, Conditions, and Services relating to this Agreement will be decided by the District who will furnish the decisions to Consultant in writing within 30 days after receiving a written request from Consultant.

2. Dispute Resolution

A. Alternate Dispute Resolution

District intends to use Alternate Dispute Resolution (ADR) techniques including partnering and mediation to resolve disputes relating to the Project.

B. Consultant and its Subconsultants are expected to participate in all ADR efforts.

C. The cost of partnering, training facilities, and facilitator will be borne by District.

3. Negotiations Before and During Mediation

Negotiations to resolve disputes before and during mediation are initiated for settlement purposes only and are not binding unless otherwise agreed by District and Consultant.

4. Voluntary Mediation

A. Initiation of Mediation

Any Party to a dispute or claim may initiate mediation by notifying the other Party or Parties in writing.

B. Request for Mediation

A request for mediation must contain a brief written statement of the nature of the dispute or claim, and the names, addresses, and phone numbers of all parties to the dispute or claim, and those who will represent them, if any, in the mediation.

C. Selection of Mediator

1) Upon receipt of a written request for mediation, unless otherwise agreed by the Parties, within 14 days, the Parties will confer to select an appropriate mediator agreeable to all Parties.

2) If the Parties cannot agree on a mediator, they hereby agree to accept a mediator appointed by a recognized association such as the American Arbitration Association.

D. Qualifications of a Mediator

1) Any mediator selected must have expertise in the area of the dispute and be knowledgeable in the mediation process.

2) No person shall serve as a mediator in any dispute in which that person has any financial or personal interest in the result of the mediation.

3) Before accepting an appointment, the prospective mediator must disclose any circumstances likely to create a presumption of bias or prevent a prompt meeting with the Parties. Upon receipt of such information, the Parties will confer and decide whether to select another mediator.

E. Vacancies

If any mediator becomes unwilling or unable to serve, another mediator will be selected unless the Parties agree otherwise.

F. Representation

1) Any Party may be represented by person(s) of their choice who must have full authority to negotiate.

2) The names and addresses of such person(s) must be communicated in writing to both Parties and to the mediator.

G. Time and Place of Mediation

1) The mediator will set the time of each mediation session.

2) The mediation will be held at a convenient location agreeable to the mediator and the Parties, as determined by the mediator.

3) All reasonable efforts will be made by the Parties and the mediator to schedule the first session within 60 days after selection of the mediator.

H. Identification of Matters in Dispute

1) Parties shall comply with the process as required by the mediator with regard to providing the mediator with a memorandum setting forth its position with regard to the issues that need to be resolved. At the discretion of the mediator, or otherwise agreed by the Parties, the Parties may mutually exchange such memoranda.

2) At the first session, the Parties will be expected to produce all information reasonably required for the Mediator to understand the issue(s) presented. The mediator may require each Party to supplement such information.

I. Authority of Mediator

1) The mediator does not have authority to impose a settlement on the Parties but will attempt to assist the Parties in reaching a satisfactory resolution of their dispute.

2) The mediator is authorized to conduct joint and separate meetings with the Parties and to make oral and written recommendations for settlement.

3) Whenever necessary, the mediator may also obtain expert advice concerning technical aspects of the dispute, provided the Parties agree and assume the expenses of obtaining such advice. Arrangements for obtaining such advice will be made by the mediator or the Parties, as determined by the mediator.

4) The mediator is authorized to end the mediation whenever, in the mediator's judgment, further efforts at mediation would not contribute to a resolution of the dispute between the Parties.

J. Privacy

1) Mediation sessions are private.

2) The Parties and their representatives may attend mediation sessions.

3) Other persons may attend only with the permission of the Parties and with the consent of the mediator.

K. Confidentiality

Except as provided by California or federal law or regulation:

1) The mediator will not divulge confidential information disclosed to a mediator by the Parties or by witnesses in the course of the mediation.

2) All records, reports, or other documents received by a mediator while serving as mediator, are confidential.

3) The mediator must not be compelled to divulge such records or to testify in regard to the mediation in any adversary proceeding or judicial forum.

4) The Parties must maintain the confidentiality of the mediation and must not rely on, or introduce as evidence in any arbitration, judicial or other proceedings:

a. Views expressed, or suggestions made by the other Party with respect to a possible settlement of the dispute;

b. Statements made by the other Party in the course of the mediation proceedings;

c. Proposals made or views expressed by the mediator; and

d. Whether the other Party had or had not indicated willingness to accept a proposal for settlement made by the mediator.

L. No Stenographic Record

There shall be no stenographic record of the mediation.

M. Termination of Mediation

The mediation shall be terminated:

1) By the execution of a Settlement Agreement by the Parties;

2) By a written declaration of the mediator to the effect that further efforts at mediation are no longer worthwhile; or

3) By a written declaration of a Party or Parties to the effect that the mediation proceedings are terminated.

N. Exclusion of Liability

No mediator shall be a necessary Party in judicial proceedings related to the mediation.

O. Interpretation and Application of These Mediation Provisions

The mediator will interpret and apply these mediation provisions insofar as they relate to the mediator's duties and responsibility.

P. Expenses

1) The expenses of witnesses for each Party must be paid by the Party producing the witnesses.

2) All other expenses of the mediation, including required travel and other expenses of the mediator, and the expenses of any witness called by the mediator, or the cost of any proofs or expert advice produced at the direct request of the mediator, will be apportioned as the mediator finds appropriate or as otherwise agreed to by the Parties.

5. Compensation for Participation in Mediation

Neither Consultant nor the District is entitled to compensation for time spent in or for negotiations or mediation to resolve questions or disputes between Consultant and District arising out of this Agreement.

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STANDARD CONSULTANT AGREEMENT
APPENDIX THREE
TASK ORDER TEMPLATE

Task Order No. _____

Title: _____

Agreement: Standard Consultant Agreement _____ ("Agreement") Between the Santa Clara Valley Water District ("District") and _____ ("Consultant"), dated _____.

District: _____

Consultant: _____

Dollar Amount of Task Order: Not-to-Exceed $_____

1. Upon full execution of this Task Order No._____, as set forth in the Standard Consultant Agreement, Section Twelve Miscellaneous Provisions, subsection 13. Task Orders, and the issuance of a Notice to Proceed by the District Project Manager, the Consultant is hereby authorized to perform the Services described in Attachment A to this Task Order. Any costs incurred, Services performed or expenditures by the Consultant before this Task Order is executed or before the issuance of the Notice to Proceed will be considered outside the contracted Scope of Services and will not be eligible for payment.

2. Both the Scope of Services to be performed and the deliverables to be provided in accordance with this Task Order are described in Attachment A which is attached hereto and incorporated by this reference. Attachment A shall include at a minimum the following:

   A. The Consultant personnel to be assigned to perform the Services, including resumes if not previously provided to the District;

   B. The total not-to-exceed fees amount for Consultant to complete the Services, including estimated number of hours required to perform the Services assigned to each Consultant classification;

   C. Estimated cost of each other direct cost and reimbursable expense, including any applicable fees; and

   D. Project schedule for completing the Scope of Services.

3. Consultant shall be compensated at fixed fees or at the hourly rates established in Attachment One to the Schedule(s), Fees and Payments, of the Agreement. Consultant agrees that it will provide all equipment, furnish all materials, except as may be otherwise noted in the Attachment A.

4. This Task Order becomes effective on the date of full execution by authorized representatives of the Parties and remains in effect until the earlier of: completion of the tasks set forth in Attachment A; or [expected completion date].

5. Copies of applicable local, state and federal permits required to perform the Services described in Attachment A are attached to this Task Order, unless the Consultant previously provided the appropriate permits to the District.

6. Consultant shall perform all Services described in Attachment A to this Task Order in accordance with the Terms and Conditions of the Agreement.

7. Prevailing Wage Requirements [NOT USED]

   A. The Scope of Services described in this Task Order is considered by the District to be "Public Works" requiring the payment of prevailing wages. See the Standard Consultant Agreement, Section Four Fees and Payments, subsection 3. Prevailing Wages.

   B. In accordance with prevailing wage laws, the Director of the California Department of Industrial Relations (Director) has ascertained the general prevailing rate of wages and employer payments for health and welfare, pension, vacation, and similar purposes available to the particular craft, classification, or type of workers employed on the Project. These rates are set forth in the latest determination obtained from the Director, which is on file in the District's Office of the Clerk of the Board of Directors and incorporated herein by reference the same as though set forth in full. The rates are also available on the State of California Department of Industrial Relations website at http://www.dir.ca.gov.

8. Signatures:

Signature: _____ _____

NAME OF CONSULTANT FIRM — DATE
[PRINT NAME]
[PRINT TITLE]

Signature: _____ _____

SANTA CLARA VALLEY WATER DISTRICT — DATE
[PRINT NAME]
[PRINT TITLE]

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STANDARD CONSULTANT AGREEMENT
APPENDIX FOUR
INSURANCE REQUIREMENTS

Please Note: Failure to comply with the instructions below could result in a delay in receiving the Notice to Proceed. The District will not be responsible for time lost or costs incurred due to failure to comply with these requirements. Please note the check-list of documents needed at the end of this Appendix IV insurance requirement.

Without limiting the Consultant's indemnification of, or liability to, the Santa Clara Valley Water District ("District"), the Consultant must provide and maintain at its own expense, during the term of this Agreement, or as may be further required herein, the following insurance coverages and provisions as listed below.

Consultant must provide its insurance broker(s)/agent(s) with a copy of these requirements and warrants that these requirements have been reviewed by Consultant's insurance agent(s) and/or broker(s), who have been instructed by Consultant to procure the insurance coverage required herein.

In addition to certificates, Consultant must furnish District with copies of all original endorsements affecting coverage required by this Appendix. The certificates and endorsements are to be signed by a person authorized by that insurer to bind coverage on its behalf. **All endorsements and certificates are to be received and approved by District before the Agreement is executed**. In the event of a claim or dispute, District has the right to require Consultant's insurer to provide complete, certified copies of all required pertinent insurance policies, including endorsements affecting the coverage required by this Appendix insurance document.

If your insurance broker has any questions about the above requirements, please advise him/her to call Mr. David Cahen, District Risk Manager at (408) 630-2213.

Certificates of Insurance

Consultant shall furnish the District with a Certificate of Insurance. The certificates will be issued on a standard ACORD Form.
Consultant shall instruct their insurance broker/agent to submit all insurance certificates and required notices electronically in PDF format to the designated District Contract Administrator and email a copy to **Insurance.Certificates@valleywater.org**.

The certificates will:

1. Identify the underwriters, the types of insurance, the insurance limits, the deductibles and the policy term;
2. Include copies of all the actual policy endorsements required herein; and
3. In the "Certificate Holder" box include:
4.

Santa Clara Valley Water District
5750 Almaden Expressway
San Jose, CA 95118
Agreement/CAS No. 5044

IMPORTANT: The agreement or CAS number must be included.

STANDARD CONSULTANT AGREEMENT
APPENDIX FOUR
INSURANCE REQUIREMENTS

In the Description of Operations/Locations/Vehicles/Special Items Box:

1. Certificate Holder shall be named as Additional Insured;
2. District agreement or project number shall appear;
3. The list of policies scheduled as underlying on the Umbrella policy shall be listed; and
4. Waiver of Subrogation must be indicated as endorsed to all policies.

If Consultant receives any notice that any of the insurance policies required by this Appendix IV Insurance may be cancelled or coverage reduced for any reason whatsoever, Consultant or insurer shall immediately provide written notice to the designated District Contract Administrator that such insurance policy required by this Appendix IV Insurance is canceled or coverage is reduced.

Maintenance of Insurance

If Consultant fails to maintain such insurance as is called for herein, District, at its option, may suspend payment for work performed and/or may order Consultant to suspend all Consultant's work at Consultant's expense until a new policy of insurance is in effect.

Renewal of Insurance

Consultant will provide the District with a current Certificate of Insurance and endorsements within thirty (30) business days from the expiration of insurance.
Consultant shall instruct its insurance broker/agent to:

1. Submit all renewals of insurance certificates and required notices electronically in PDF format to:
   Insurance.Certificates@valleywater.org

2. Provide the following information in the "Certificate Holder" box:
   Santa Clara Valley Water District
   5750 Almaden Expressway
   San Jose, CA 95118
   Agreement/CAS No. 5044

IMPORTANT: The agreement or CAS number must be included.

Consultant must, at its sole cost and expense, procure and maintain during the entire period of this Agreement the following insurance coverage(s).

Required Coverages

1. **Commercial General/Business Liability Insurance** with coverage as indicated:
   $2,000,000 per occurrence / **$2,000,000** aggregate limits for bodily injury and property damage
   General Liability insurance must include:

   a. Coverage at least as broad as found in standard ISO form CG 00 01.
   b. Contractual Liability expressly including liability assumed under this contract.
   c. If Consultant must be working within fifty (50) feet of a railroad or light rail operation, any exclusion as to performance of operations within the vicinity of any railroad bridge,

trestle, track, roadbed, tunnel, overpass, underpass, or crossway must be deleted, or a railroad protective policy in the above amounts provided.

d. Severability of Interest.
e. Broad Form Property Damage liability.

2. Business Auto Liability Insurance with coverage as indicated:

$2,000,000 combined single limit for bodily injury and property damage per occurrence, covering all owned, non-owned and hired vehicles.

3. Professional/Errors and Omissions Liability with coverage as indicated:

$2,000,000 per claim/ **$2,000,000** aggregate

Professional/Errors and Omission Liability appropriate to the Consultant's profession, and must include:

a. If coverage contains a deductible, or self-insured retention, it shall not be greater than one hundred thousand dollars ($100,000) per occurrence/event.
b. Coverage shall include contractual liability
c. If coverage is claims-made:

i. Certificate of Insurance shall clearly state that the coverage is claims-made.
ii. Policy retroactive date must coincide with or precede the Consultant's start of work (including subsequent policies purchased as renewals or replacements).
iii. Policy must allow for reporting of circumstances or incidents that might give rise to future claims.
iv. Insurance must be maintained and evidence of insurance must be provided for at least three (3) years after completion of the contract of work.

4. Workers' Compensation and Employer's Liability Insurance

Statutory California Workers' Compensation coverage covering all work to be performed for the District.

Employer Liability coverage for not less than $1,000,000 per occurrence.

General Requirements

With respect to all coverages noted above, the following additional requirements apply:

1. **Additional Insured Endorsement(s):** Consultant must provide an additional insured endorsement for Commercial General/Business Liability (for both on-going and completed operations) and Business Automobile liability coverage naming the **Santa Clara Valley Water District, its Directors, officers, employees, and agents, individually and collectively,** as additional insureds, and must provide coverage for acts, omissions, etc. arising out of the named insureds' activities and work. Other public entities may also be

added to the additional insured endorsement as applicable and the Consultant will be notified of such requirement(s) by the District. **NOTE:** This section does not apply to the Workers' Compensation and Professional Liability policies.

(**NOTE:** Additional insured language on the Certificate of Insurance is **NOT** acceptable without a separate endorsement such as Form CG 20 10, CG 2033, CG 2037, or CG 2038. Editions dated 07/04 are not acceptable.)

2. **Primacy Clause:** Consultant will provide evidence (either through the Certificate of Insurance, endorsement or language in the insurance contract) that consultant's insurance is primary with respect to any other insurance which may be carried by the District, its Directors, its officers, agents and employees, and the District's coverage must not be called upon to contribute or share in the loss. **NOTE:** This section does not apply to the Workers' Compensation policies.

3. **Cancellation Clause**: Consultant will provide endorsements for all policies stating that the policy will not be cancelled without 30 days prior notification to the District**.**

4. **Acceptability of Insurers:** All coverages must be issued by companies admitted to conduct business in the State of California, which hold a current policy holder's alphabetic and financial size category rating of not less than A- V, according to the current Best's Key Rating Guide or a company of equal financial stability that is approved by the District's Risk Manager. Non-Admitted companies may be substituted on a very limited basis at the Risk Manager's sole discretion.

5. **Self-Insured Retentions or Deductibles:** Any deductibles or self-insured retentions must be declared to and approved by the District. At the option of the District, either: the insurer shall reduce or eliminate such deductibles or self-insured retentions as respects the District, its officers, officials, employees and volunteers; or the Consultant shall provide a financial guarantee satisfactory to the Entity guaranteeing payment of losses and related investigations, claim administration, and defense expenses. Consultant agrees that in the event of a claim they will pay down any agreed upon SIR in a prompt manner as soon as bills are incurred in order to trigger the insurance related to the SIR.

6. **Subconsultants:** The Consultant shall secure and maintain or shall be responsible for ensuring that all subconsultants performing the Contract Services secure and maintain all insurance coverages appropriate to their tier and scope of work in a form and from insurance companies reasonably acceptable to the District.

7. **Amount of Liability not Limited to Amount of Insurance:** The insurance procured by Consultant for the benefit of the District must not be deemed to release or limit any liability of Consultant. Damages recoverable by the District for any liability of Consultant must, in any event, not be limited by the amount of the required insurance coverage.

8. **Coverage to be Occurrence Based:** Except for Professional Liability, all coverage must be occurrence-based coverage. Claims-made coverage is not allowed.

9. **Waiver of Subrogation:** Consultant agrees to waive subrogation against the District to the extent any loss suffered by Consultant is covered by any Commercial General Liability policy, Automobile policy, Workers' Compensation policy described in **Required Coverages** above. Consultant agrees to advise its broker/agent/insurer and agrees to provide evidence (either through the Certificate of Insurance, endorsement or language in the insurance contract) that subrogation has been waived by its insurer.

10. **Non-compliance:** The District reserves the right to withhold payments to the Consultant in the event of material noncompliance with the insurance requirements outlined above.

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STANDARD CONSULTANT AGREEMENT
APPENDIX FOUR
INSURANCE REQUIREMENTS

CHECK LIST OF DOCUMENTS NEEDED

General Liability:	A.	Limits **($2,000,000)**	
	B.	Additional Insured (Endorsement)	
	C.	Waiver of Subrogation (COI, Endorsement or policy language)	
	D.	Primacy (COI, Endorsement or policy language)	
	E.	Cancellation Endorsement	

Auto Liability:	A.	Limits **($2,000,000)**	
	B.	Additional Insured (Endorsement)	
	C.	Waiver of Subrogation (COI, Endorsement or policy language)	
	D.	Primacy (COI, Endorsement or policy language)	
	E.	Cancellation Endorsement	

Umbrella:	A.	Limits ($)	
	B.	Primacy (Endorsement or policy language)	

Workers Comp:	A.	Limits **($1,000,000)**	
	B.	Waiver of Subrogation (Endorsement or policy language)	
	C.	Cancellation Endorsement	

Professional Liability:	A.	Limits **($2,000,000)**	
	B.	Cancellation Endorsement	

Appendix IV ConsultantGL2AL2PL2_rev. 10.23.18

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SCHEDULE D
SCOPE OF SERVICES

1. Representatives

A. The District's representatives are as listed below. Unless otherwise provided in this Agreement, all correspondence to the District must be addressed to the District Project Manager (DPM).

Zooey Diggory (District Project Manager)
Senior Biologist
Watersheds Design & Construction
Santa Clara Valley Water District
5750 Almaden Expressway
San Jose, CA 95118-3638

Phone: (408) 630-2851
Email: zdiggory@valleywater.org

Sunshine Julian, P.E. (District Unit Manager)
Engineering Unit Manager
Watersheds Design & Construction
Santa Clara Valley Water District
5750 Almaden Expressway
San Jose, CA 95118-3638

Phone: (408) 630-2273
Email: svjulian@valleywater.org

Ngoc Nguyen, P.E. (Division Deputy Operating Officer)
Watersheds Design & Construction
Santa Clara Valley Water District
5750 Almaden Expressway
San Jose, CA 95118-3638

Phone: (408) 630-2632
Email: nnguyen@valleywater.org

B. The Consultant's Project Manager is as listed below. All District questions pertaining to this Agreement shall be referred to the Consultant's Project Manager.

Karen Verpeet (Consultant Project Manager)
Senior Associate
Triple HS Inc.
983 University Avenue, Building D
Los Gatos, CA 95032-7637

Phone: (408) 458-3227
Email: kverpeet@harveyecology.com

C. The Consultant's Principal Officer for this Agreement is as listed below. As per the Agreement, Section Twelve, Miscellaneous Provisions, subsection 18. Notices, all notices pertaining to this Agreement must be submitted to the Consultant's Principal Officer.

Daniel Stephens (Consultant Principal Officer)
Triple HS Inc.
983 University Avenue, Building D
Los Gatos, CA 95032-7637

Phone: (408) 458-3202
Email: dstephens@harveyecology.com

2. Scope of Services

A. This Schedule D, Preliminary Scope of Services describes the professional design services to be performed by Consultant for the District's **Almaden Lake Improvement Project Landscape Design Services** (Project). The District may, at its discretion, choose to negotiate an amendment to this Agreement with Consultant, as engineer-of-record, for construction phase engineering support services. The District may, at its discretion, choose to initiate a new consultant agreement selection process for services for any subsequent phase(s) and/or utilize District staff to perform such services. [applies to A&E services – remove if not applicable]

B. If the District proceeds with using the design/build project delivery method for this Project, Consultant will be precluded from submitting a proposal in response to any procurement issued by the District to retain a design-build entity.

3. Project Objectives

A. Consultant will develop plans, specifications, and estimated costs for the landscaping, irrigation, and establishment maintenance elements of the Almaden Lake Improvement Project, and contribute to the soils plans, specifications, and estimated costs prepared by Valley Water, that will enable construction contracting and implementation; be technically feasible and reasonable to implement given post-construction site conditions; maximize the project's potential for successful habitat restoration and enhancement; and be ecologically appropriate given the climate, flora, and hydrology of the restored Alamitos Creek channel and Almaden Lake, and recreational uses of Almaden Lake Park. The plans should build from and be consistent with the Project's existing draft planting plan (Attachment 4 Reference Materials, Item No. 3).

B. Consultant will prepare a Restoration and Monitoring Plan that incorporates the landscaping plans, describes the basis for the restoration design, is appropriate for review by permitting agencies, and is technically feasible and reasonable to implement in the long-term.

C. Consultant will provide visual/artistic renderings of the landscaping plan at developmental stages to facilitate public outreach and understanding.

D. Consultant will develop conceptual alternatives for the new Almaden Lake Park area and nearby areas, assist Valley Water and the City of San Jose Parks Department to select an agreed-upon alternative, and develop 90% and 100% plans, specifications, and estimate costs for the selected alternative.

4. Project Background

A. The District manages an integrated water resources system that includes the supply of clean safe water, flood protection, and stewardship of streams on behalf of Santa Clara County's 1.8 million residents and businesses. The District effectively manages 10 (ten) dams and surface water reservoirs, 3 (three) water treatments plants, nearly 400 (four hundred) acres of groundwater recharge ponds and more than 275 (two hundred seventy-five) miles of streams.

B. This Project is being conducted as part of the District's Almaden Lake Improvement Project. The Almaden Lake Improvement Project is a creek/lake separation project intended to improve fishery access to spawning and rearing habitat within the Guadalupe Watershed by restoring and separating Alamitos Creek from Almaden Lake. This project will restore the Alamitos Creek channel section and its connectivity to Guadalupe River within Almaden Lake Park to improve sediment transport and restore its natural creek functions by developing a stable geomorphic channel dimension, pattern and profile. The project will help restore and maintain healthy steelhead trout populations by improving fish habitat and passage through the footprint of Almaden Lake. The project will also address the lake's mercury related water quality issues by capping existing elemental mercury in the separated lake and continuing effective measures to reduce future methylmercury production and bioaccumulation.

5. Assumptions and Requirements

A. General Assumptions and Requirements

1) **Manage Scope of services.** Consultant shall manage the Scope of Services such that the work is completed within the Not-to-Exceed Fees limit and in accordance with the Project schedule and ensure that all services and deliverables meet the District and Project objectives and requirements.

2) **Deliverable Format**. Consultant shall submit deliverables in both electronic and hardcopy format, if requested. Deliverables shall be submitted in PDF and native (editable) format, including Word documents, Excel spreadsheets, PowerPoint files, AutoCAD files, etc. The hard copy deliverables shall be printed in professional quality presentation and submitted in 5 (five) copies, if requested. District may require original copies of signed documents and/or scanned (Adobe PDF) versions.

3) **Review of Deliverables**. The District will review and comment on all Project deliverables and forward to the Consultant for revision and preparation of final versions. As determined by the District, some of the deliverables may also be subject to review and comment from regulatory agencies and stakeholders following the District review process. For each deliverable, the District will collect comments from all District stakeholders and provide a single set of consolidated comments to the Consultant. The comments provided by the District staff during the workshops will be documented by the Consultant as meeting minutes and will be included in the next revision of the documents.

4) **District Quality Environmental Management System**. The District maintains a Quality Environmental Management System (QEMS) which has procedures, guidelines and work instructions for the performance of various District work. If requested, the Consultant will perform some of the Agreement tasks and/or sub-tasks in accordance with the QEMS framework. In such situations, the District Project Manager (DPM) will provide the Consultant with the specific QEMS procedure, guideline, and/or work instruction prior to the production of deliverables.

5) **Consultant Responsibility**. Consultant, with its expertise in performing the Services described herein, is responsible for making the appropriate assumptions in each task to complete each task's deliverables and to achieve the Project objectives of this Agreement as described in **Section Three, Scope of Services**.

6) **Document Control.** The Consultant is responsible for establishing and maintaining its own document control system to execute this Scope of Services. An internal document control system for this project is maintained by the District.

7) **File Exchange Service.** Consultant will provide a file exchange service, accessible to all parties as designated by the District, to facilitate communications; particularly of large files over three megabytes. Difficulties in using and transmitting information with this exchange service shall be resolved by the Consultant. In the event that transmitting or receiving information does not occur in a timely manner, the District will not be responsible for delays in completing Project work. Consultant may need to coordinate with District's Information Technology Division to address any firewall issues and/or permissions required to allow for these communications.

8) **Completeness.**

   a. The completeness of a design set is determined primarily by the substance of the materials on the set, including the adequacy of background and relevant information. Three levels of completeness of a design set are defined using these four terms: Partially Complete; Substantially Complete; Virtually Complete; and Complete.

   b. A Complete Design Set must include all the information required for a constructible set of plans and specifications; include a project cost estimate; and provide sufficient direction to enable the construction to be performed. The set must be ready for certification (stamping, signing and dating) by a Registered

Landscape Architect. The set must show the work with complete details and dimensions; identify all constraints; include all background information and provide dimensions, and comply with all drafting, specifications and cost estimating standards.

B. Project-Specific Assumptions and Requirements

1) All AutoCAD files will follow the requirements in the existing Valley Water CADD Standards Manual (Attachment 4 Reference Materials, Item No. 4).

2) All deliverables will conform to Valley Water's Design Phase Work Breakdown Structure (WBS) Descriptions and Instructions (document number W-730-122) and the associated Master Checklist: General, Plans, Specifications (Attachment 4 Reference Materials, Item No. 5).

3) This project will use the following definitions of "complete":

a) A "partially" to "substantially complete" drawing includes more than half of the information required for a complete sheet. It should indicate the work with sufficient details and dimensions, identify major constraints, include sufficient background information, and comply with all drafting standards.

b) A "substantially" to "virtually complete" drawing includes most of the information required for a complete sheet. It should indicate the work with complete details and dimensions, identify all constraints, include all background information, and comply with all drafting standards. Lacking certain background information or call out dimensions may be acceptable in some cases.

c) A "complete" drawing shows the complete information.

4) The District will be responsible for completing all other plans and specifications and will provide them to the Consultant as the technical basis for their designs. Consultant will contribute to the soils plans, specifications, and estimated costs prepared by Valley Water, and to the Basis of Design Report prepared by Valley Water. All Consultant deliverables for the landscaping, irrigation, and maintenance elements of the 60%, 90%, and 100% design documents will be incorporated into full plans and specifications for the Almaden Lake Improvement Project.

6. Design Phase Tasks

Task 1 - Project Management

The purpose of this task is for Consultant to manage this Scope of Services such that the work is completed within the fees limit stated in Attachment One to Schedule D, Fees and Payments, and in accordance with the Project Schedule stated in Attachment Two to Schedule D, Schedule of Completion, while ensuring that all services and deliverables by the Consultant meet the District and Project requirements.

SCHEDULE D
SCOPE OF SERVICES

1.1 **Kickoff Meeting**. Consultant will attend kickoff meeting with the District. The purpose of the kickoff meeting is to introduce key District and Consultant team members to one another, acquaint all participants with the purpose of and expectations for the Project, describe team members' roles and responsibilities, describe Project procedures, and summarize scope and schedule.

1.2 **Project Work Plan**. Consultant will prepare a Project Work Plan in accordance with this Scope of Services.

1.2.1 The Project Work Plan shall include Project objectives, requirements, constraints, a detailed Project Schedule (showing major tasks and deliverables), a breakdown of Consultant's costs for the major tasks, a list of the Consultant's team members and their roles and responsibilities, communication protocols (internal and external), document control procedures, and other administrative procedures.

1.2.2 The Project Work Plan shall include a Project Quality Assurance and Quality Control (QA/QC) Plan documenting the Consultant's procedures to ensure the Consultant's services and deliverables meet District requirements and accepted practices and standards of the Consultant's profession. The District reserves the right to request and review the Consultant's Project documentation demonstrating its adherence with their own quality assurance procedures.

1.3 **Progress Meeting and Workshops.** District and Consultant key staff and subconsultants as determined necessary and appropriate by Consultant, subject to DPM approval, will coordinate and attend periodic progress meetings and workshops with District staff, regulatory and resource agencies, and review boards, as needed, to review, discuss and progress of the work. For each meeting or workshop, the Consultant will prepare the meeting agenda and notes and submit them for review by the District.

1.4 **One-on-One Meetings with District.** The Consultant Project Manager must provide a brief update of the teams work activities, the look-ahead activities, and the issues and actions that require the District's attention, in a meeting/conference call with the DPM; frequency of these meetings and calls will be as directed by the District.

1.5 **Coordination and Communication with External Agencies.** Consultant will assist the DPM with coordination and communication with appropriate regulatory or other agencies, as necessary, to execute this Scope of Services. This task includes support in drafting correspondence related to the Consultant's Project activities as requested by the District.

1.6 **Public Outreach.** If requested, the Consultant will provide support and assistance to the District's public outreach activities and will relate to coordination, preparation, and participation including, preparing presentation materials, attendance at meetings, preparation of newsletters, graphics, updates to the Project website, developing responses to questions, and performing other tasks as directed by the DPM.

1.7 Additional Review Meetings. Consultant shall recommend convening and attending meetings, workshops and consultations with the District as needed to complete the tasks.

Task 1 - Deliverables

1. Project Design Work Plan including QA/QC Plan (Draft, Draft Final and Final)
2. Meeting and workshop agendas, minutes/notes, and presentations
3. Coordination and communication correspondences, as necessary
4. Public outreach preparation, presentation, and follow-up materials, as necessary

Task 1 - Assumptions

1. Task 1.3 assumes attendance at up to 4 progress meetings and up to 1 workshop.
2. Task 1.4 assumes attendance at up to 2 in person meetings and up to 2 conference call meetings.
3. Task 1.5 assumes a maximum of 14 hours for a moderate level of support, including phone calls and email coordination, but not in-person meetings or site visits.
4. Task 1.6 assumes a maximum of 34 hours for a moderate level of support.
5. Task 1.7 assumes attendance at up to 2 additional in-person review meetings.

Task 2 - Data Collection and Investigations

The purpose of this task is to research, review, and use existing information resources as a basis for the design, as well as to conduct necessary field investigations. Consultant is responsible for collecting all the data and conducting all investigations that are needed to complete the final design. The District will provide all other plans and specifications to the Consultant as the technical basis for their designs.

2.1 Research and Review of Available Project Documentation. Consultant will research and review available relevant documents and standards provided by the District.

Task 2 - Deliverables

1. List of documents and standards reviewed
2. Concise technical memoranda describing methods and results of field investigations

Task 2 - Assumptions

1. Additional site surveys, including geotechnical investigations, are not required because Valley Water has completed these surveys already, or will be redesigning and re-grading the area on which the revegetation work will take place.

Task 3 – Basis of Design Report

The purpose of this Task is to document the landscape design analyses, calculations, and interpretations that are required to support and to help develop the Basis of Design Report, of which Valley Water is the lead author. The supporting analyses, calculations, and other standards and detailed design information shall be used to prepare a biddable and constructible set of Plans and Specifications and Engineering Cost Estimates for the Project.

3.1 **Basis of Design Report**. Valley Water will be the lead author of the Basis of Design Report. Consultant shall prepare the landscaping, irrigation, and establishment maintenance sections of the Basis of Design Report to define the technical requirements and parameters for the landscaping, irrigation, and establishment maintenance elements of the Project. Consultant shall provide description of and rationale for soil texture, composition, nutrient, and compaction criteria for planting areas in the soil section of the Basis of Design Report.3.1.2 The Basis of Design Report is to be updated throughout the design phase, if required. Upon completion of final design, the Consultant-prepared sections of the Basis of Design Report shall be updated to reflect any changes or additions that occurred over the course of the design development as detailed in the final design document preparation.

Task 3 - Deliverables

1. Landscape, irrigation, and establishment maintenance sections of the Basis of Design Report (Draft, Draft Final and Final) for 60%, 90%, and 100% design document preparation.
2. Soil texture, composition, nutrient, and compaction criteria for planting areas as part of the soil section of the Basis of Design Report (Draft, Draft Final and Final) for 60%, 90%, and 100% design document preparation.

Task 3 - Assumptions

1. Valley Water will provide templates and/or examples of Basis of Design Reports
2. Valley Water will incorporate Consultant-prepared sections into the master Basis of Design Report
3. It is assumed that the soil criteria will primarily pertain to the upper 3 feet of the soil profile, which is most relevant to vegetation establishment and success.

Task 4 - 60% Design Document Preparation

Consultant will develop 60% design-level plans, specifications and cost estimates for the landscaping, irrigation, and establishment maintenance elements of the Almaden Lake Improvement Project. The plans should build from and be consistent with the Project's existing draft planting plan (Attachment 4 Reference Materials, Item No. 3) and 30% designs (Attachment 4 Reference Materials, Item No. 6). The plans shall be ready for agency permitting

review, technically feasible and reasonable to implement given post-construction site conditions; and will be ecologically appropriate given the climate, flora, and hydrology of the restored Alamitos Creek channel and Almaden Lake, and recreational uses of Almaden Lake Park. The level of completeness shall be substantially complete to virtually complete and ready for permitting agency review. See Project-Specific Requirements and Assumptions for definitions.

4.1 **Sample Drawings and Specifications**. Consultant shall prepare, and submit to the District, sample drawings and specifications for District review and approval to ensure that Drafting Standards are being adopted into the plan set and the specifications also follow District Specification standards.

4.1.1 The sample drawings shall include an index drawing numbering scheme, file naming labeling, layout, and format.

4.1.2 For specification development, the Consultant shall use the District's Standard Provisions (boilerplate) and the District's Special Provisions format. Consultant shall recommend edits and additions to the District Provisions where appropriate.

4.2 **60% Plans, Specification and Cost Estimate**. Consultant shall prepare and submit 60% drawings, specifications, and an Association for the Advancement of Cost Engineering (AACE) Class 3 construction cost estimate. The drawings, sections, and details must be substantially complete. Cost estimates for the most significant lines of the work breakdown structure shall be "bottom-up" estimates based on assumed productivity, equipment, and labor spreads for the activities. The basis for field and office overhead, other markups, and profit shall be clearly identified in the estimate.

4.3 **Review Meeting**. Consultant will conduct a 60% review meeting/workshop with the District to review and discuss District comments. Consultant will compile a Comment Resolution Document. The Comment Resolution Document shall list collected comments, proposed means of resolution, and means to document that resolution is completed in the next design submittal. This sub-task is funded in sub-task 1.3.

4.4 **Additional Review Meetings**. Consultant shall identify and attend design input meetings, workshops and consultations with District as needed to complete the 60% design tasks. This sub-task is funded in sub-task 1.7.

4.5 **Draft Bid Items**. Consultant shall prepare draft bid items at the 60% level of design, including a Technical Memorandum that explains the basis for the bid items and the strategies related to risk and cost uncertainty associated with work that may be difficult to define.

Task 4 - Deliverables

1. 60% Plans, Specifications, and AACE Class 3 Construction Cost Estimate for landscaping, irrigation, and establishment maintenance
2. Review meeting agenda and 60% Design Comment Resolution Document
3. Draft bid items technical memorandum

Task 4 – Assumptions

1. All design documents not described above will be prepared by others, including all front-end plan sheets and specifications (including invitation to bid, instructions to bidders, general conditions, supplementary conditions, contract clauses, construction contract, etc.).
2. Review comments on the designs documents will be provided during a design review meeting or as 1 set of consolidated comments with all conflicting comments resolved.
3. For the new Almaden Lake Park area, this task assumes a basic design consisting of an open landscaped area, such as lawn, with decomposed granite pedestrian paths.

Task 5 – 90% Design Document Preparation

The 90% design set shall reflect the revisions and resolutions required from the comments received for the 60% design set and any new information or guidance that becomes available. It shall also incorporate any permit conditions established by regulatory agencies. The level of completeness shall be virtually complete to complete. See Project-Specific Requirements and Assumptions for definitions.

5.1 **90% Plans, Specification and Cost Estimate**. Consultant shall prepare and submit 90% drawings, specifications, and an AACE Class 2 construction cost estimate. The submittal shall be a complete drawing and specification set at or near the level of completion for construction. The cost estimate shall be based on an updated, detailed logical work breakdown structure based on the 90% plans and specifications. The submittal shall address the comments made in the 60% Design Comment Resolution Document.

5.2 **Review Meeting**. Consultant will conduct a 90% review meeting/workshop with the District to review and discuss District comments. Consultant will compile a Comment Resolution Document. The Comment Resolution Document shall list collected comments, proposed means of resolution, and means to document that resolution is completed in the next design submittal. This sub-task is funded in sub-task 1.3.

5.3 **Additional Review Meetings**. Consultant shall identify and attend design input meetings, workshops, and consultations with District as needed to complete the 90% design tasks. This sub-task is funded in sub-task 1.7.

5.4 **Technical Design Document Update**. Consultant shall prepare and/or update the Basis of Design Report, analyses, calculations, etc., as identified in previous task.

5.5 **Draft Bid Items**. Consultant shall update the draft bid items to the 90% level of design, including a Technical Memorandum that explains the basis for the bid sheet and the strategies related to risk and cost uncertainty associated with work that may be difficult to define. Provisions regarding milestones, testing, and acceptance schedule and criteria for the Project aligned with completion and payment for the Contractor's completion of each milestone to be included in the Project specifications.

5.6 **Constructability/Sequencing Requirements for the Contractor**. Consultant shall prepare/update a Construction Sequencing Plan and/or Specification, which will identify key milestone dates to be met during construction, and will include specific provisions for incorporation into the Contractor's plan, as needed for the landscaping, irrigation, and maintenance elements of the Project.

5.7 **Irrigation System Commissioning and Training Plans, and Operations and Maintenance Manual**. Consultant shall develop a Commissioning, Training and Maintenance Plan to prepare District staff for different operational modes: through the construction milestones, start-up and testing, and through the first year of operation. The plan shall assure the facility can continue to operate through construction and not disrupt the ability to meet its delivery obligations and assist the District Operations and Maintenance staff to continue to complete their primary duties of operating the facility on a day-to-day basis and not be dedicated to supporting the Project.

Task 5 – Deliverables

1. 90% Plans, Specifications, and AACE Class 2 Construction Cost Estimate for landscaping, irrigation, and establishment maintenance
2. Review meeting agenda and 90% Design Comment Resolution Document
3. Updated Draft Bid Sheet and supporting Technical Memorandum (Draft and Final)
4. 90% Construction Sequencing Plan and Specification (Draft and Final) Commissioning and Training Plans Plan and Operations and Maintenance Manual (Preliminary and Final)

Task 5 – Assumptions

1. All design documents not described above will be prepared by others, including all front-end plan sheets and specifications (including invitation to bid, instructions to bidders, general conditions, supplementary conditions, contract clauses, construction contract, etc.).
2. Review comments on the designs documents will be provided during a design review meeting or as 1 set of consolidated comments with all conflicting comments resolved.

3. For the new Almaden Lake Park area, this task assumes a basic design consisting of an open landscaped area, such as lawn, with decomposed granite pedestrian paths.

Task 6 - Final Design Document Preparation

The 100% Design Set shall be a fully completed, signed, and sealed set of Plans, Specifications and Cost Estimate that is ready for construction bidding. The 100% design set shall reflect the revisions and resolutions required from the comments received for the 90% design set, any new information or guidance that becomes available, and remaining permitting agency comments. The level of completeness shall be complete. See Project-Specific Requirements and Assumptions for definitions.

6.1 **100% Plans, Specifications, Cost Estimate and Engineering Documents**. Consultant shall prepare and submit 100% Design and Contract Documents for District review, including:

6.1.1 Plans and Specifications that address 90% review comments and design modifications or clarifications, as required.

6.1.2 100% Class 2 Engineer's Estimate as defined by AACE.

6.1.3 The Final Basis of Design Report with all revisions incorporated.

6.1.4 All Engineering Analysis and Calculations completed and checked as per the QA/QC Plan and assembled in accordance with the relevant design analyses sections in the Basis of Design Report.

6.1.5 100% Design Comments Resolution Document.

6.2 **Review Meeting**. Consultant will conduct a 100% review meeting/workshop with the District to review and discuss how District comments and new information, guidance or agency requirements from the 90% plans were resolved in the 100% plans. This sub-task is funded in sub-task 1.3.

6.3 **Bid Set**. Prepare and submit Bid Set including:

6.3.1 Final plans and specifications (signed and stamped), Engineer's Estimate, Basis of Design Report, and Engineering Calculations, if necessary, which include revisions that address and resolve all outstanding issues.

Task 6 - Deliverables

1. 100% Plans, Specifications, AACE Class 2 Cost Estimate for landscaping, irrigation, and establishment maintenance

2. Bid Set Plans, Specifications, AACE Class 2 Cost Estimate for landscaping, irrigation, and establishment maintenance
3. Final Basis of Design Report sections
4. Review Meeting agenda and 100% Comment Resolution Document
5. All source files including but not limited to CADD and GIS files

Task 6 – Assumptions

1. All design documents not described above will be prepared by others, including all front-end plan sheets and specifications (including invitation to bid, instructions to bidders, general conditions, supplementary conditions, contract clauses, construction contract, etc.).
2. Review comments on the designs documents will be provided during a design review meeting or as 1 set of consolidated comments with all conflicting comments resolved.
3. For the new Almaden Lake Park area, this task assumes a basic design consisting of an open landscaped area, such as lawn, with decomposed granite pedestrian paths.

Task 7 – Contributions to Valley Water Soils Plans, Specifications, and Cost Estimates

Consultant shall review and provide input and technical content to the soil-related plans, specifications, and cost estimates prepared by Valley Water. In particular, Consultant shall provide soil texture, composition, nutrient, and compaction criteria for all planting areas. It is understood these criteria will primarily pertain to the upper 3 feet of the soil profile, which is most relevant to vegetation establishment and success. Consultant will review and comment on Valley Water plans for soil handling, placement and blended transitions between different soil types and compaction level.

Task 7 – Deliverables

1. Soil texture, composition, nutrient, and compaction criteria for planting areas as part of the soil sections of the 60%, 90%, 100%, and Bid Set design documents.

Task 7 – Assumptions

1. Valley Water will lead the development of the soil designs, specifications, and cost estimates.
2. Valley Water will incorporate Consultant comments and input into the master soil sections of the 60%, 90%, 100%, and Bid Set design documents.
3. Consultant level of effort for reviewing and commenting on Valley Water soils plans is expected to be moderate- that level of effort is reflected if fees shown in Attachment One to Schedule D Fees and Payments. A single iteration of materials will be reviewed at 60%, 90%, and 100%.

Task 8 – Restoration and Monitoring Plan

Consultant shall develop a Restoration and Monitoring Plan (Plan) for areas within the restored Alamitos Creek channel and Almaden Lake. The Plan shall describe the basis for the landscaping design (per Tasks 3 through 6); is appropriate for review by permitting agencies; is technically feasible and reasonable to implement in the long-term; and is ecologically appropriate given the climate, flora, and hydrology of the restored Alamitos Creek channel and Almaden Lake, and recreational uses of Almaden Lake Park.

The Plan will include any necessary mitigation elements (Valley Water will provide guidance on mitigation elements and quantities to be incorporated into the Plan), but will provide flexibility in success criteria, adaptive management, and monitoring methods appropriate to the restoration/habitat enhancement objectives of the Project.

Required elements of the Plan will include:

- Description of existing conditions, including physical, biological and logistical conditions and constraints.
- Description of anticipated impacts (this will be provided by the District) and required mitigation.
- Description of restoration/enhancement Project elements and basis for landscaping plan.
- Monitoring plan with appropriate success criteria and monitoring methods, focused on restoration vegetation and regulated habitats.
- Potential maintenance and/or adaptive management actions to achieve success criteria.

Task 8 - Deliverables

1. Restoration and Monitoring Plan (Administrative Draft) for District review
2. Draft Plan incorporating District review comments for permitting agency review
3. Final Plan incorporating permitting agencies review comments

Task 8 – Assumptions

1. It is understood that this is primarily a restoration project not a mitigation project so the monitoring success criteria will focus on indicators of successful habitat establishment (vegetation and regulated habitats).
2. Adaptive management sections of the Plan will briefly summarize an approach to be engaged if there is a substantial problem with restored vegetation (flood, fire, massive dieback of vegetation, substantial disruption of landscape by people, etc.) and will identify possible solutions. A detailed remedial action plan is not proposed at this time. Remedial actions for engineered elements of the restored areas, including soil, are excluded.

3. Review comments on the Plan will be provided as 1 set of consolidated comments with all conflicting comments resolved.

Task 9 - Visual Renderings of Planting Design

Upon request, Consultant will develop artistic renderings of the final planting design (electronic source files) as it is expected to appear over time after implementation. Renderings could also include video components; for example, drone footage of upstream reference sites.

Renderings must depict at least one example of each primary planting zone described in the draft planting plan (Attachment 4 Reference Materials, Item No. 3). The planting zones may be depicted together in combined renderings, or in separate renderings.

Renderings will be provided for at least three stages:

- Early-development view depicting likely site conditions approximately one year after planting.
- Establishment view depicting likely site conditions approximately three to five years after planting.
- Mature view depicting likely site conditions approximately ten to fifteen years after planting.

Task 9 - Deliverables

1. High-resolution digital graphic files of renderings of restoration design
2. Printed versions on foam core or similar portable format suitable for easel display
3. PowerPoint presentation format incorporating visuals, suitable for editing and presentation by District staff

Task 9 - Assumptions

1. None.

Task 10 – New Park Area Concepts and Workshops

For the new Almaden Lake Park area, Tasks 4-6 include a basic design consisting of an open landscaped area, such as lawn, with decomposed granite pedestrian paths.

To further explore design options, Consultant will develop additional conceptual alternatives for the new Almaden Lake Park area, assist Valley Water and the City of San Jose Parks and Recreation Department (City) to select an agreed-upon design alternative (the agreed upon alternative will be designed as a supplemental services task).

10.1 New Park Area Design Concept Alternatives. Consultant shall attend a 2-hour meeting with Valley Water and the City to discuss program, materiality, and goals for the new park area. Consultant shall then prepare and submit of up to three (3) design concept alternatives for the new park area to be used to further the discussion and decision making process with Valley Water and the City.

10.2 Design Workshop and Selected Design Concept. Consultant shall convene a 2-hour workshop with representatives of Valley Water and the City to review and discuss the conceptual alternatives and, ultimately, select an alternative for refinement. Consultant will prepare the meeting agenda and notes and submit them for review by Valley Water.

10.3 Selected Design Concept Refinement. Consultant shall refine the selected design concept and convene a 2-hour review meeting with representatives of Valley Water and the City to confirm that the new park area design is ready to move forward into detailed design (plans, specifications, and cost estimate). Consultant will prepare the meeting agenda and notes and submit them for review by Valley Water.

10.4 Detailed Design Scope Review Meeting. Consultant shall attend a 1-hour meeting with Valley Water and the City to review the required level of effort to prepare the detailed design (Plans, Specifications, and Cost Estimate) of the selected new park area concept. The consensus from this meeting will be used to refine and update the scope and fee for Supplemental Task 11.1.

Task 10 – Deliverables

1. Agendas and notes for the four (4) design workshops/meetings described above
2. Task 10.1: Up to three (3) conceptual design alternatives for the new park area in a format suitable for presentation and printing
3. Task 10.3: Preferred conceptual design refinement in a format suitable for presentation and printing
4. Task 10.4: Scope and budget for Task 11.1

Task 10 – Assumptions

1. The new park area concept selected in Task 10.3 will be designed in detail as a supplemental services task.

Task 11 - Supplemental Services

The District may require, and the Consultant will perform, Supplemental Services on an as-needed basis. Prior to performing any Supplemental Services, Consultant must receive an approved Task Order issued by the District and executed by both Parties. Refer to the Standard

Consultant Agreement, Section Twelve, Miscellaneous Provisions, subsection 13. Task Orders, and Appendix Three, Task Order Template.

11.1 Selected New Park Area Design Plans, Specifications, and Cost Estimate. Consultant shall prepare 60%, 90%, 100%, and Bid Set design, specifications, and cost estimate for the selected design concept for the new park area (per Task 10.3), in accordance with the technical requirements specified for Tasks 4–6, to incorporate into the overall design package prepared in those tasks.

While the outcomes of Tasks 10.3 and 10.4 will provide the ultimate basis for the selected new park area design scope and fee, this task assumes the selected design will include elements such as additional pedestrian paths, un-engineered on-grade overlooks, site furnishings (such as benches, picnic tables, trash receptacles, etc.), pollinator gardens, and more detailed native planting areas.

In addition, Consultant shall prepare a rendering and text description of the selected alternative (which may be used in the Basis of Design Report).

Task 11.1 – Deliverables

1. 60%, 90%, 100%, and Bid Set Plans, Specifications, Cost Estimate for the selected alternative for the new park area

Task 11.1 – Assumptions

1. The new park area design selected in Task 10.3 will not include (1) structural or other engineering analysis/design, (2) custom-designed site elements, such as boardwalks, which require a greater quantity and more complex design details and specifications for aesthetics, ADA compliance, and public safety, or (3) interpretive elements, which require substantive coordination regarding both content and format.
2. This scope and fee estimate has been prepared as a placeholder reflecting a moderate level of effort without the benefit of understanding the desired park program, design elements, materiality, or cost and maintenance drivers. The outcomes of Task 10.4 will be used to refine the scope and fee estimate for this task.

11.2 Additional Services. Consultant will provide additional quantities of previously identified services as requested by District. Consultant will provide additional services for any quantity of tasks and deliverables beyond those stated in Tasks 1 through 10 as Task 11 Supplemental Services, to include but not be limited to:

11.2.1 Additional meetings;

11.2.2 Additional time allotted for meetings;

11.2.3 Additional status/progress reports;

11.2.4 Additional phone conference calls;

11.2.5 Additional pages or copies of technical memoranda, plans, reports, drawings, and specifications; and

11.2.6 Additional public outreach visual materials.

Task 11.2 – Assumptions

Fee for each of the following four (4) subtasks is assumed to be one unit to establish a unit cost per subtask.

11.2.1 Additional meetings (in-person 2-hour meeting)
11.2.2 Additional time allotted for meetings (extended in-person meeting by 1 hour)
11.2.3 Additional status/progress reports
11.2.4 Additional phone conference calls (1-hour)

For each of the following two (2) subtasks, because the magnitude of this effort is unknown, and would vary significantly depending on the type of report or plans, fee estimate will be provided on a case-by-case basis based on a more detailed scope outline provided by Valley Water.

11.2.5 Additional pages or copies of technical memoranda, plans, reports, drawings, and specifications

11.2.6 Additional public outreach visual materials

8. Attachments

The following listed Attachments are incorporated herein by this reference as though set forth in full:

Attachment One to Schedule D - Fees and Payments
Attachment Two to Schedule D - Schedule of Completion
Attachment Three to Schedule D - Consultant's Key Staff and Subconsultants
Attachment Four to Schedule D - Reference Materials

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ATTACHMENT ONE TO
SCHEDULE D
FEES AND PAYMENTS

1. Total Authorized Funding

Total payment for Services performed, to the satisfaction of District, as described in the Schedule(s) will not exceed a total amount of **$361,473.96** (Not-to-Exceed Fees or NTE). Under no conditions will the total compensation to the Consultant exceed this NTE payment amount without prior written approval in the form of an amendment to this Agreement executed by the District's Board of Directors (Board), or Chief Executive Officer, or designee, as authorized by the Board.

2. Cost Breakdown

The NTE total compensation of this Agreement consists of the following task fee breakdown. No services will be performed or fees paid by the District to the Consultant for Supplemental Services without prior written authorization by the District as stated in this Agreement.

COST BREAKDOWN

Task	Description	Not-to-Exceed Fees
1	Project Management	$30,566.23
2	Data Collection and Investigations	$9,137.72
3	Basis of Design Report	$16,731.52
4	60% Design Document Preparation	$46,788.30
5	90% Design Document Preparation	$45,312.48
6	Final Design Document Preparation	$37,516.95
7	Contributions to Valley Water Soils Plans, Specifications, and Cost Estimates	$7,948.12
8	Restoration and Monitoring Plan	$44,797.84
9	Visual Renderings and Planting Design	$6,706.84
10	New Park Area Concepts, Workshop, and Design	$35,623.02
11	Supplemental Services	$80,344.94
	Total Not-to-Exceed Fees	**$361,473.96**

3. Terms and Conditions

Payments for Services performed, as described in this Schedule, which applies to the specific Services, will be based on the following terms:

A. The District will pay for Services provided by the Consultant according to the schedule of rates for professional, technical, and administrative personnel, as well as materials and supplies as listed below in the Hourly/Unit Rate Schedule.

B. The stated hourly rates are effective for the term of this Agreement unless otherwise revised as indicated. After 12 months from the date this Agreement is entered into by

parties ("anniversary date"), and each 12 months thereafter, these hourly rates may be negotiated by the Consultant and the District, provided Consultant submits written notice to District of Consultant's request to revise the hourly rates 90 calendar days prior to the anniversary date of this Agreement. Both parties will use as a benchmark for negotiations the percent change for the previous 12 months of the "Employment Cost Index (ECI), for total compensation for private industry workers, for the San Francisco-Oakland-San Jose, CA CSA Census region and metropolitan area (not seasonally adjusted)" as published by the U.S. Department of Labor, Bureau of Labor Statistics, or 2.5%, whichever is less. A negative index will result in rates remaining the same. Such rate revisions are subject to written approval by the District's Deputy Operating Officer.

C. **Reimbursable Expenses**

1. All reimbursable expenses not already covered in overhead may include, but are not limited to, mapping, rendering, printouts, leased equipment, mailing and delivery services, printing services, film and processing, plotting, and supplies. These other direct expenses as approved by the District Project Manager will be billed on a monthly basis at actual cost linked to each Agreement Task, provided that the Task total NTE amount is not exceeded. Consultant shall provide receipts for each other direct expense item(s) with monthly invoices submitted.

2. Equipment purchased on behalf of the District that costs $50 or more must receive the prior written approval of the District Project Manager. All equipment purchased on behalf of the District and paid for by the District shall become the property of the District and be delivered to District prior to expiration of this Agreement.

3. Travel expenses are reimbursed at actual costs. Travel and overnight accommodations, including per diem, required for performance of this Agreement will be paid at reasonable cost not to exceed the U.S. General Services Agency Per Diem Rates for Sunnyvale/Palo Alto/San Jose, California area, provided prior approval has been obtained from the District Project Manager. For air travel, District will pay the cost of a coach class or equivalent ticket. Where air travel is required, District will pay the total cost of taxi, rideshare, public transportation, or a rental car, which may include insurance, gas, car fee, and taxes and will be paid at the actual costs incurred. Vehicle rental is limited to a compact or economy model, unless prior approval has been obtained from the District Project Manager for a different type of vehicle.

D. Expenses incurred by the Consultant, including for Subconsultants, subcontractors and vendors, including lab services, will be reimbursed at actual cost. Consultant shall provide invoices for all such services regardless of cost.

E. For staff with rates exceeding the rate of $[RATE LIMIT]/hr, the Consultant must obtain written approval from the District Project Manager as to the numbers of hours per task prior to that individual working on the Project. [NOT USED]

F. **Prevailing Wage Requirements** [NOT USED]

The Scope of Services described in Task INSERT APPLICABLE TASK NUMBER HERE is considered by the District to be "Public Works" requiring the payment of prevailing wages. See the Standard Consultant Agreement Section Four, Fees and Payments, subsection 3., Prevailing Wages.

1. In accordance with prevailing wage laws, the Director of the California Department of Industrial Relations (Director) has ascertained the general prevailing rate of wages and employer payments for health and welfare, pension, vacation, and similar purposes available to the particular craft, classification, or type of workers employed on the Project. These rates are set forth in the latest determination obtained from the Director, which is on file in the District's Office of the Clerk of the Board of Directors and incorporated herein by reference the same as though set forth in full. The rates are also available on the State of California Department of Industrial Relations website at http://www.dir.ca.gov.

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ATTACHMENT ONE
TO SCHEDULE D
FEES AND PAYMENTS

HOURLY/UNIT RATE TABLE

CLASSIFICATION	HOURLY/ UNIT RATE
Consultant:	
Principal	$250.00
Senior Associate Ecologist	$192.75
Associate Ecologist	$170.17
Senior Ecologist 2	$153.23
Senior Ecologist 1	$137.51
Ecologist 2	$122.59
Ecologist 1	$108.88
Field Biologist 2	$96.38
Field Biologist 1	$85.49
Senior GIS Analyst	$154.44
GIS Analyst	$110.09
GIS Technician	$85.49
Technical Editor	$110.09
Technical Support	$85.55
GIS (surcharge)	$10.00
Subconsultant(s):	
Principal	$200.00
Senior Landscape Architect III	$173.00
Senior Landscape Architect/Urban Designer III	$165.00
Landscape Architect III/	$165.00
PM-Landscape Architect III	$142.00
PM-Landscape Architect II	$135.00
Landscape Architect II/	$124.00
Landscape Architect III	$115.00
PM-Landscape Architect II	$114.00
Landscape Designer III	$106.00
Landscape Designer II	$100.00
Landscape Designer I	$96.00
CAD Specialist III	$120.00
Graphic Designer / Copy Editor	$110.00

ATTACHMENT TWO TO
SCHEDULE D
SCHEDULE OF COMPLETION

1. This Agreement commences on the Effective Date, subject to accomplishment of all conditions to formation of an agreement listed in the Agreement at Section Twelve, Miscellaneous Provisions, subsection 2. Formation of Agreement.

2. This Agreement expires on **June 30, 2021**, unless, prior to its expiration, its term is modified by a written amendment hereto, and signed by both Parties.

3. District and Consultant may agree to modify the schedule specified for Consultant's performance as an administrative modification to the Agreement and will confirm such modification in writing.

PROJECT SCHEDULE

Task	Description	Duration From Notice to Proceed (months)
1	Project Management	Term of Agreement
2	Data Collection and Investigations	Term of Agreement
3	Basis of Design Report	Term of Agreement
4	60% Design Document Preparation	Term of Agreement
5	90% Design Document Preparation	Term of Agreement
6	Final Design Document Preparation	Term of Agreement
7	Contributions to Valley Water Soils Plans, Specifications, and Cost Estimates	Term of Agreement
8	Restoration and Monitoring Plan	Term of Agreement
9	Visual Renderings and Planting Design	Term of Agreement
10	New Park Area Concepts, Workshop, and Design	Term of Agreement
11	Supplemental Services	Term of Agreement

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ATTACHMENT THREE TO
SCHEDULE D
CONSULTANT'S KEY STAFF AND SUBCONSULTANTS

1. Consultant's key staff assigned to the Project are as follows:

Team Member	Classification	Project Role	Contact Information (Address, Phone and Email)
Daniel D. Stephens	Principal	QA/QC Restoration	H. T. Harvey & Associates 983 University Ave., Bldg. D Los Gatos, CA 95032 (408) 458-3202 dstephens@harveyecology.com
Joseph M. Howard	Principal	QA/QC Landscape Architecture	H. T. Harvey & Associates 983 University Ave., Bldg. D Los Gatos, CA 95032 (408) 458-3224 jhoward@harveyecology.com
Karen Verpeet	Senior Associate Ecologist	Project Coordinator	H. T. Harvey & Associates 983 University Ave., Bldg. D Los Gatos, CA 95032 (408) 458-3227 kverpeet@harveyecology.com
Rachel Visscher	Senior Ecologist 1	Project Manager, Landscape Architecture	H. T. Harvey & Associates 983 University Ave., Bldg. D Los Gatos, CA 95032 (408) 458-3248 rvisscher@harveyecology.com
William Spangler	Senior Ecologist 1	Project Manager, Restoration	H. T. Harvey & Associates 983 University Ave., Bldg. D Los Gatos, CA 95032 (408) 458-3255 wspangler@harveyecology.com

2. The following Subconsultants are authorized to perform Services on the Project:

Firm	Project Role	Contact Information (Address, Phone and Email)
Merrill Morris Partners	Principal, QA/QC	Cathy Merrill 249 Front Street San Francisco, CA 94111 (415) 291-8960 cmerrill@merrill-morris.com

ATTACHMENT THREE TO
SCHEDULE D
CONSULTANT'S KEY STAFF AND SUBCONSULTANTS

Firm	Project Role	Contact Information (Address, Phone and Email)
Merrill Morris Partners	Project Manager	John Potis 249 Front Street San Francisco, CA 94111 (415) 291-8960 jpostis@merrill-morris.com

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ATTACHMENT FOUR TO
SCHEDULE D
REFERENCE MATERIALS

Ref No.	Description
1	Santa Clara Valley Water District Non-Disclosure Agreement (NDA) and Personal Non-Disclosure Agreement (PNDA)
2	Santa Clara Valley Water District (District) Standards for GIS Products July 2017 version
3	Almaden Lake Improvement Project 30% Design Plans
4	CADD Standards Manual
5	General Standards, Master Checklist

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Santa Clara Valley Water District

File No.: 20-0231

Agenda Date: 2/25/2020
Item No.: *3.4.

BOARD AGENDA MEMORANDUM

SUBJECT:
Accept the CEO Bulletins for the Weeks of February 7-13, and February 14-20, 2020.
(PREVIOUSLY LISTED AS ITEM 3.3)

RECOMMENDATION:
Accept the CEO Bulletins.

SUMMARY:
The CEO Bulletin is a weekly communication for the CEO, to the Board of Directors, assuring compliance with Executive Limitations Policy EL-7: The BAOs inform and support the Board in its work. Further, a BAO shall: inform the Board of relevant trends, anticipated adverse media coverage, or material external and internal changes, particularly changes in the assumptions upon which any Board policy has previously been established; and report in a timely manner an actual or anticipated noncompliance with any policy of the Board.

CEO Bulletins are produced and distributed to the Board weekly as informational items, and then placed on the bimonthly, regular Board meeting agendas to allow opportunity for Board discussion on any of the matters contained therein.

FINANCIAL IMPACT:
There is no financial impact associated with this item.

CEQA:
The recommended action does not constitute a project under CEQA because it does not have a potential for resulting in direct or reasonably foreseeable indirect physical change in the environment.

ATTACHMENTS:
Attachment 1: 02132020 CEO Bulletin
*Attachment 2: 02202020 CEO Bulletin

UNCLASSIFIED MANAGER:
Norma Camacho, 408-630-2084

To: **Board of Directors**
From: **Norma J. Camacho, CEO**

Week of February 7 – February 13, 2020

Board Executive Limitation Policy EL-7:
The Board Appointed Officers shall inform and support the Board in its work. Further, a BAO shall 1) inform the Board of relevant trends, anticipated adverse media coverage, or material external and internal changes, particularly changes in the assumptions upon which any Board policy has previously been established and 2) report in a timely manner an actual or anticipated noncompliance with any policy of the Board.

Item	IN THIS ISSUE
1	Annual Hazardous Waste Generator Fees
2	Completion of McKelvey Park Flood Detention Basin Construction
3	Emergency Operations Center Training
4	Environmental Planning Services On-Call Contract: Request For Proposals
5	Establishment of Emergency Steering Committee
6	New Stricter Response Level Established for PFOA and PFOS by the Division of Drinking Water
7	Saratoga Creek Hazard Tree Removal and Restoration Project Update
8	Upper Llagas Creek Flood Protection Project: Phase 1 Construction
9	Valley Water Receives Outstanding Business Award from the Mountain View Chamber of Commerce
10	Valley Water renews agreement to fund SJPD patrols to address criminal activity along streams and provide a safe work environment for staff and volunteers
11	LeZotte Safe, Clean Water Program Renewal Budget and Schedule Information R-20-0002
12	Keegan & Santos Director Keegan requested that, similar to the County of Santa Clara and the City of San Jose, staff consider allegations made about Downtown Streets by local media sources in regards to inappropriate use of funds; and Director Santos requested that this information also be shared with the Homeless Encampment Ad Hoc Committee R-20-0004
13	Varela Director Varela request to acquire information about how the newly formed ACWA Latino Caucus could host a panel discussion at the ACWA Spring Conference. I-20-0002

1. Annual Hazardous Waste Generator Fees

Each year, Valley Water is required to pay hazardous waste generator fees to the Department of Toxic Substance Control, collected by the California Board of Equalization's Department of Tax and Fee Administration. The generator fee is imposed on each site that generates hazardous waste of 5-tons or more in each calendar year. The fee is calculated for each site's generation of waste regardless of the final disposition of the waste, i.e., recycled or disposed. During calendar year 2019, Valley Water disposed of approximately 88-tons of hazardous waste from sixteen different locations. Eleven of the locations generated less than 5-tons of hazardous waste, and therefore paid no fees. The five Valley Water locations that generated over 5-tons of hazardous waste, resulted in a total of $1,200 in generator fees to the State.

In a previous CEO Bulletin, it was reported that a significant amount of Sulfuric Acid was removed from the Santa Teresa Water Treatment Plant to allow for tank repairs. In lieu of disposing the Sulfuric Acid as hazardous waste, the Sulfuric Acid was transferred to other Valley Water facilities to use in-process. By transferring the Sulfuric Acid between facilities, instead of disposing it as hazardous waste, it not only saved Valley Water the costs associated with hazardous waste transport and disposal, it also saved Valley Water from paying $4,800 in generator fees to the State.

For further information, please contact Tina Yoke at (408) 630-2385.

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2. Completion of McKelvey Park Flood Detention Basin Construction

The McKelvey Park Flood Detention Basin is a part of the larger Permanente Creek Flood Protection Project which is a Safe, Clean Water project. The project is currently under construction through three separately bid contracts at various stages of completion: Rancho San Antonio Detention Basin; McKelvey Park Detention Basin; and the Permanente Creek Channel Improvements. When completed, the Permanente Creek Flood Protection Project will protect approximately 2,200 parcels. The construction of the Permanente Creek Channel Improvements was accepted by the Board on April 9, 2019, and construction of the Rancho San Antonio Detention Basin is currently in progress and is anticipated for completion in late 2020.

Construction of the McKelvey Park Flood Detention Basin has just been completed. In the week of January 27, 2020, the County Department of Environmental Health and various departments of City of Mountain View (MV) have signed off the completed work. Valley Water staff is requesting Board acceptance of Phase 1 construction on February 11, 2020, and later on the same date, Mountain View staff is requesting the Mountain View City Council to accept the complete work. A grand opening event on February 29, 2020 is being coordinated with MV staff.

For further information, please contact Ngoc Nguyen at (408) 630-2632.

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3. Emergency Operations Center Training

On February 3-6, 2020, Emergency Services and Security held three Emergency Operations Center (EOC) trainings for Valley Water personnel that staff Valley Water's EOC. This four-day span of classes included Incident Command System (ICS)/EOC Interface, EOC Operations and Management, and Essentials in Action Planning. These trainings follow the California Specialized Training Institute (CSTI) standard under the State of California Office of Emergency Services (CA OES). Valley Water follows the training model within the CA OES credentialing program with regard to EOC training requirements. There are also multiple online trainings that accompany these three in-class training sessions, which are included in Valley Water's EOC training requirements.

On February 6, 2020, Valley Water's Administration Building experienced a unique power outage that began mid-morning and lasted until after 9:00 PM that evening. During the power outage, the EOC scheduled training made adjustments to the real-life scenario and relocated the to the Administration Building 1st Floor break room. The training was ultimately completed while Valley Water responded to the power outage and needs from building occupants. During this training, CSTI also had an auditor reviewing the course at Valley Water. The auditor provided positive feedback to Valley Water for the demonstration of flexibility and resiliency in completing the training while balancing a response to the power outage event.

For further information, please contact Tina Yoke at (408) 630-2385.

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4. Environmental Planning Services On-Call Contract: Request For Proposals

Valley Water issued a Request for Proposals (RFP) for environmental planning services on January 23, 2020. The intent of the RFP is to solicit and contract a range of on-call services to assist with the environmental planning and permitting process for current and future capital and operations projects. Valley Water anticipates executing two or more on-call contracts with multi-disciplinary environmental planning teams, each with a $5 million cap over a five-year period. Proposals are due on February 26, 2020 and Valley Water anticipates the on-call contract agreements to be brought to the board for authorization in summer of 2020.

This contracting approach will greatly streamline the procurement of environmental planning services. This will improve consistency and timeliness in addressing environmental planning and permitting tasks across the agency.

Environmental planning and compliance services to be provided by the on-call contract will range from technical studies (such as archaeological, air quality, and noise analyses); developing sections of, or completing stand-alone environmental documentation, to satisfy requirements of the California Environmental Quality Act and the National Environmental Policy Act; conducting analyses in support of or obtaining regulatory agency permits; and assisting with stakeholder outreach and the public review processes.

For further information, please contact Lisa Bankosh at (408) 630-2618.

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5. Establishment of Emergency Steering Committee

Emergency Services and Security has established an Emergency Steering Committee to align Valley Water emergency-related efforts, set priorities, and build emergency function capacity. The committee is sponsored by Tina Yoke, Chief Operating Office of Information Technology and Administrative Services and led by Alexander Gordon, Emergency Services and Security Manager. Committee members include key Deputy and Assistant Operating Officers as well as select Unit Managers throughout Valley Water. The goals of committee include building a culture where all Valley Water maintains a year-round focus on emergency preparedness, and to build a model organization that implements preparedness, mitigation, response/continuity and recovery measures. The focus will be all-inclusive to the four Valley Water divisions (Water Utility, Watersheds, External Affairs and IT/Administration), and will address field operations, emergency center coordination and support, as well as partnerships with cities/county and water retailers. With this committee, Valley Water as a whole can address the emergency preparedness needs that support Valley Water's mission to provide safe, clean water and natural flood protection to Santa Clara County.

For further information, please contact Tina Yoke at (408) 630-2385.

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6. New Stricter Response Level Established for PFOA and PFOS by the CA Division of Drinking Water

On February 6, 2020, the California State Water Resources Control Board - Division of Drinking Water (DDW) announced lower levels for perfluorooctanoic acid (PFOA) and perfluorooctanesulfonic acid (PFOS) in drinking water that trigger responses by local water systems. The State Board set new response levels of 10 parts per trillion (ppt) for PFOA and 40 ppt for PFOS, based on a running four-quarter average. Previously, the combined response level for PFOA and PFOS was 70 ppt. Now that the reporting is separate and lower, the number of exceedances across the State is expected to increase.

If the newly established response levels are exceeded, DDW recommends that the water provider either 1) remove the drinking water source from service, 2) utilize treatment or blending, or 3) if water system plans to keep affected source in service without treatment, provide customer notification within 30 days.

In 2019, the State Board began issuing orders for phased well testing throughout the state to help inform potential drinking water standards. Based on results of required testing completed to date, PFOA was not detected above the notification level in Santa Clara County. PFOS was detected in six North County water supply wells with a maximum value of 8.2 ppt, prompting the water retailer to remove the wells from service out of an abundance of caution. PFOA or PFOS have not been detected above the newly established response levels in Santa Clara County water supply wells tested to date. Based on Valley Water's initial sampling, we do not anticipate the lowered response level to be an issue for the treated water we deliver.

To better understand the presence and extent of PFAS in local water supplies, Valley Water has initiated regional groundwater monitoring and sampling of raw water supplies to the three treatment plants as well as treated water produced. Valley Water will continue to coordinate closely with water retailers on this issue and appraise the Board as new information becomes available.

For further information, please contact Bhavani Yerrapotu at (408) 630-2735.

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7. Saratoga Creek Hazard Tree Removal and Restoration Project Update

The Saratoga Creek Hazard Tree Removal and Restoration Project, a project that will remove Nonnative eucalyptus trees along Saratoga Creek between Prospect High School and Cox Avenue in District 5 is progressing. The public review period for the project’s Draft Initial Study/Mitigated Negative Declaration (IS/MND) closed on September 16, 2019. Responses to comments will be included in the final MND which is anticipated to be approved in the next couple of weeks. The issuance of permits from jurisdictional regulatory agencies is also expected following approval of the MND. This will allow for work on the first phase to begin following the bird nesting season which generally concludes in August.

A letter to the seven property owners in the first phase of tree removal was sent on February 7, 2020. The letter provides a project status update, informs the property owners of the Board’s recent approval of an updated encroachment remediation approach. Due to project site threats to health and safety associated with the trees and the project implementation goals and regulatory permit compliance, the site is not eligible for interim licensing. The letter provides notice that misaligned

fences and other personal items within the project limits must be removed from public property by April 1, 2020. An invitation is included to owners to discuss details of the removal requirement with staff and participate in Valley Water's fence cost sharing program if a property line fence is desired.

A similar letter was sent to the remaining creek side neighbors within the project reach providing a status update and notice that a request to remove personal items will be forthcoming in preparation for the next phases of work.

For further information, please contact Sue Tippets at 408-630-2253.

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8. Upper Llagas Creek Flood Protection Project: Phase 1 Construction

Phase 1 Work Completed in 2019

Phase 1 construction began on September 3, 2019. With the late start to the instream construction season, the Contractor did not propose activities which would require dewatering. Instead, construction activities for the 2019 work period focused on several of the Project's mitigation elements and preparation of the site for dewatering and channel excavation beginning May 1, 2020. The 2019 activities included removal of vegetation as a bird nesting deterrent, removal of concrete rubble at Lake Silveira (on-site compensatory wetlands mitigation), trash and debris removal in Reach 4 and 5, fence installation, installation of bat boxes, girdling of trees for snag habitat, cutting the pilot channel for Llagas Creek restoration around Lake Silveira, destruction of monitoring wells, invasive species removal (Arundo donax-Reach 4 and mastication of blackberry (Rubus armeniacus) at Lake Silveira), herbicide application for control of invasives, installation of bird spikes and plywood for nesting deterrents at existing bridge crossings, soil sampling, and winterization activities.

Summary of Anticipated Phase 1 Construction Activities in 2020

The Project team anticipates dewatering Lake Silveira and Llagas Creek will occur beginning May 1, 2020 for creation of the Lake Silveira wetlands, including the inlet and outlet structures. The proposed step pools features within Llagas Creek downstream of Lake Silveira are anticipated to be constructed during the 2020 summer. Herbicide application will occur in the spring at the blackberry areas adjacent to Lake Silveira and fence installation will continue at Lake Silveira in 2020. Installation of signage for the protection of the Conservation Easement will occur within the restored Llagas Creek channel and the constructed wetlands. Construction of Reach 7a will continue with the excavated material from 7a to be utilized to construct the wetlands. Reach 7a work will include construction of maintenance roads, grade control structures, and drainage swales. Planting the wetlands and associated riparian habitat at Lake Silveira is anticipated to begin October 2020.

Construction in Reaches 4 and 5 will commence May 1 and will include widening and deepening existing Llagas Creek, construction of maintenance roads and associated infrastructure (i.e. box culvert crossings), removal of legacy trash and debris, construction of maintenance ramps, bankfull benches, low flow fish passage channel, instream complexities, grade control structures, and the removal of the Denil fish ladder and hardscape downsteam of Buena Vista Avenue. Herbicide application will occur in the spring as needed to control invasive species. Planting is anticipated in the completed portion of Reaches 4 and 5 in fall/winter 2020.

For further information, please contact Heath McMahon at (408) 630-3126.

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9. Valley Water Receives Outstanding Business Award from the Mountain View Chamber of Commerce

On March 6, 2020, Valley Water will be honored at the Mountain View Chamber of Commerce's 25th Annual Celebration of Leaders Awards Gala as an Outstanding Business. This category recognizes businesses who have made an exceptional contribution to the Mountain View community. Valley Water is receiving the award in recognition of the work they have done at McKelvey Park on the Permanente Creek Flood Protection Project, as well as the recent agreement signed with Mountain View to develop recycled water, which will ultimately benefit the Mountain View community as a whole. The event will take place at the Computer History Museum in Mountain View, CA on Friday, March 6, 2020 from 6:00-9:30 p.m., and Valley Water will be provided tickets to the event as both a member and an awardee. A Board Schedule Request has been submitted to alert the Board and solicit attendees.

For further information, please contact Rachael Gibson at (408) 630-2884.

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10. Valley Water renews agreement to fund SJPD patrols to address criminal activity along streams and provide a safe work environment for staff and volunteers

Valley Water has renewed its agreement with the City of San José (City) for the San José Police Department (SJPD) to conduct patrols targeting criminal activities along local waterways, including Coyote Creek and Guadalupe River.

Through this agreement, Valley Water provides funding for the law enforcement personnel cost of the City's Stream Stewardship Law Enforcement (SSLE) Program. This program targets criminal activity impacting quality of life and safety along local waterways and is vital to ensure a safe environment for staff and volunteers to undertake stream stewardship activities. During an eight (8) month pilot between May and December of 2019, SJPD conducted numerous criminal activity patrols along streams within the City.

Under the amended agreement, Valley Water will provide additional funding of up to $200,000 for the SSLE Program's criminal activity patrols for a new eight (8) month term. As an added requirement, each officer assigned to the program will attend environmental crimes training intended to enhance officers' ability to identify environmental code violations as they are encountered and to take appropriate enforcement actions.

SJPD will work with Valley Water to identify sections of streams that will be the focus of patrols. SJPD will notify Valley Water of any criminal activity discovered by law enforcement personnel in or along the streams so that Valley Water can warn its employees, contractors, and volunteers working in those areas.

Officers on Stream Stewardship Law Enforcement teams will continue to refer unhoused individuals encountered during the sweeps to the appropriate city or county agency, or social service provider.

For further information, please contact Melanie Richardson at (408) 630-2035.

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11. <u>LeZotte</u>
Safe, Clean Water Program Renewal Budget and Schedule Information
R-20-0002

At the January 28, 2020 Board Meeting, Director LeZotte requested a budget breakdown and

project schedule to be submitted as a non-agenda item to provide supplemental information on the Safe Clean Water Program renewal project budget.

This week's non-agenda includes the staff response to Director LeZotte's BMR request (R-20-0002), which includes additional budget and project information regarding the exploratory Safe, Clean Water Program renewal effort.

For further information, please contact Marta Lugo at (408) 630-2237.

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12. Keegan & Santos

Director Keegan requested that, similar to the County of Santa Clara and the City of San Jose, staff consider allegations made about Downtown Streets by local media sources in regards to inappropriate use of funds; and Director Santos requested that this information also be shared with the Homeless Encampment Ad Hoc Committee
R-20-0004

The response to BMR-20-0004 has been included in the Non-Agenda.

For further information, please contact Rick Callender (408) 630-2017.

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13. Varela

Director Varela request to acquire information about how the newly formed ACWA Latino Caucus could host a panel discussion at the ACWA Spring Conference.
I-20-0002

Director Varela's request was responded to in an in-person discussion with Valley Water staff.

Director Varela is leading an effort create an ACWA (Association of California Water Agencies) Latino Caucus to advance issues important to the Latino community. Director Varela reached out to Valley Water staff for assistance in moving the effort forward with ACWA.

Valley Water discussed the issue with Michael Cervantez, ACWA's Senior Regional Affairs Representative. He said he is planning to meet with ACWA leadership to find a path forward in formalizing a diversity effort at could include the proposed Latino Caucus. The formalization of a new internal body would need to be approved by a vote of the ACWA Board of Directors.

At this time, ACWA has agreed to work with the ACWA Region 5 Board in planning a discussion panel regarding issues important to diversity. Director Varela is leading the effort and is moving forward with planning.

Director Varela was provided contact information for Michael Cervantez and Adam Quinonez at ACWA to work on the effort directly.

For further information, please contact Rachael Gibson at (408) 630-2884.

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CEO BULLETIN

To: **Board of Directors**
From: **Norma J. Camacho, CEO**

Week of February 14 – February 20, 2020

Board Executive Limitation Policy EL-7:
The Board Appointed Officers shall inform and support the Board in its work. Further, a BAO shall 1) inform the Board of relevant trends, anticipated adverse media coverage, or material external and internal changes, particularly changes in the assumptions upon which any Board policy has previously been established and 2) report in a timely manner an actual or anticipated noncompliance with any policy of the Board.

Item	IN THIS ISSUE
1	Association of California Water Agencies' Website on Voluntary Agreements
2	Governor Reappoints Sean Maguire to State Water Resources Control Board
3	Highlighting Valley Water's efforts to improve the environment and fish habitat.
4	Water Treatment, Distribution, and Supervisory Control and Data Acquisition (SCADA) Systems Infrastructure Planning Outreach
5	Valley Water Upgrades Personal AlertGPS Safety Devices

1. Association of California Water Agencies' Website on Voluntary Agreements

A coalition of organizations, including federal, state and local water and irrigation districts, along with farmers, have united behind comprehensive plans called Voluntary Agreements for protecting the Bay-Delta from further environmental harm, while providing adequate water supplies for farms and cities. The Association of California Water Agencies has created a website with information on the Voluntary Agreements. The site includes links to related resources including key documents on the effort from the California Natural Resources Agency as well as links to information on many of the habitat improvement projects being proposed by water user participants. The site also contains links to recent news coverage and answers to frequently asked questions, along with a list of participants and supporters.

The website can be found here: https://voluntaryagreements.org/

For further information, please contact Jerry De La Piedra at (408) 630-2257.

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2. Governor Reappoints Sean Maguire to State Water Resources Control Board

On February 11, 2020, Governor Newsom reappointed Sean Maguire, 38, of Carmichael, to the State Water Resources Control Board, where he has served as a member since 2018. Maguire, a registered civil engineer, held multiple positions at the California State Water Resources Control

Board from 2015 to 2018, and at Kennedy/Jenks Consultants from 2003 to 2015. This appointment requires confirmation by the California Senate which will take up the appointment later this year. Maguire, a Democrat, may continue to serve on the Board until confirmed. The compensation for the position is $159,068.

For further information, please contact Rachael Gibson at (408) 630-2884.

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3. Highlighting Valley Water's efforts to improve the environment and fish habitat.

Valley Water developed a plan to highlight the good news regarding the work Valley Water does to help improve the environment and fish habitat. Valley Water has been actively sharing videos and projects on social media, Valley Water's website and earned media in local publications.

Examples of recent posts and media coverage include:

- A video on social media about Steelhead Trout being spotted by a Valley Water camera in the Guadalupe River.
  Link: https://www.facebook.com/SCVWD/videos/2876246329063222/

- A board column by Director LeZotte on the Almaden Lake Improvement Project, with an emphasis on the environmental benefits, was published by the Mercury News, Almaden Times and on Valleywater.org.
  Link: https://www.mercurynews.com/2020/02/14/almaden-lake-project-will-help-the-environment/

- Staff posted a video on social media about a lamprey being spotted by a Valley Water camera in the Guadalupe River.
  Link: https://www.facebook.com/SCVWD/videos/437969016927127/

Valley Water will continue to look for more opportunities to share these types of stories on social media, Valleywater.org and with local media.

For further information, please contact Rick Callender at (408) 630-2017.

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4. Water Treatment, Distribution, and Supervisory Control and Data Acquisition (SCADA) Systems Infrastructure Planning Outreach

In accordance with Board Policy E-2 to ensure there is a reliable, clean water supply, and in alignment with Board priorities of asset management, Water Utility is looking at strategies for long term planning of the development and implementation of water treatment, distribution, and SCADA systems infrastructure projects. Towards that end, Valley Water is embarking on an outreach effort to gather planning information from other water utility agencies and experienced consultants. Valley Water plans to outreach to other agencies to learn about their infrastructure planning efforts. Valley Water also plans to issue a request for information (RFI) to consultants with relevant expertise to learn about the infrastructure planning projects they have completed, their project management strategies, and their project delivery methods. The information collected will be used as a benchmark for planning our own facilities projects.

For further information, please contact Bhavani Yerrapotu at (408) 630-2735.

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5. Valley Water Upgrades Personal AlertGPS Safety Devices

For select field staff, Valley Water has been using AlertGPS Safety Wearables for just over three years now. AlertGPS Safety Wearables are small electronic safety devices that are similar in size to a pager. If a worker ever feels unsafe, threatened or is injured, they can simply press the SOS button on the device for immediate assistance. The SOS alert triggers a 2-way call to a 24/7 monitoring center where there are trained dispatchers to assess and dispatch emergency help if needed. Additionally, if a worker is lost, visiting an unfamiliar neighborhood, or is walking to their vehicle late at night, they can press the SOS button and speak directly with an agent. The agent will stay on the line until the worker confirms all is well or dispatch help if needed. Another use for the SOS button is if a worker witnesses an accident or any other crisis while on the job, they can simply press the SOS button and get help on the scene immediately. The device also has GPS locate capability that pinpoints the location of the employee upon pressing the SOS button.

AlertGPS Safety Wearables recently added new technical features to the device, and Valley Water has replaced all older versions with the new device. The new features include a Personal Alarm button and an Automatic Fall Detection feature. If a worker feels threatened and wants to summon others nearby for help, the worker can press the Personal Alarm button on the Device to initiate a loud local alarm. The AlertGPS's fall detection feature senses when a worker falls. If the worker fails to respond after receiving an audible fall detection alert from the device, a call is automatically initiated into AlertGPS' Monitoring Center and the dispatchers will attempt to contact the employee or automatically summon help if unresponsive.

For further information, please contact Tina Yoke at (408) 630-2385.

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Santa Clara Valley Water District

File No.: 20-0203

Agenda Date: 2/25/2020
Item No.: *3.5.

BOARD AGENDA MEMORANDUM

SUBJECT:
Approval of Minutes.

RECOMMENDATION:
Approve the minutes.

SUMMARY:
In accordance with the Ralph M. Brown Act, a summary of Board discussions, and details of all actions taken by the Board, during all open and public Board of Directors meetings, is transcribed and submitted to the Board for review and approval.

Upon Board approval, minutes transcripts are finalized and entered into the District's historical records archives and serve as historical records of the Board's meetings.

FINANCIAL IMPACT:
There is no financial impact associated with this item.

CEQA:
The recommended action does not constitute a project under CEQA because it does not have a potential for resulting in direct or reasonably foreseeable indirect physical change in the environment.

ATTACHMENTS:
Attachment 1: 121019 Regular Meeting Minutes
Attachment 2: 121719 Special Meeting Minutes
Attachment 3: 011420 Regular Meeting Minutes

UNCLASSIFIED MANAGER:
Michele King, 408-630-2711

BOARD OF DIRECTORS MEETING

MINUTES

11:00 AM CLOSED SESSION AND 1:00 PM REGULAR MEETING
TUESDAY, DECEMBER 10, 2019
11:00 AM

(Paragraph numbers coincide with agenda item numbers)

1. CALL TO ORDER:

A Closed Session and Regular Meeting of the Santa Clara Valley Water District (Valley Water) Board of Directors was called to order in the Valley Water Headquarters Building Boardroom at 5700 Almaden Expressway, San Jose, California, at 11:00 a.m.

1.1 Roll Call.

Board members in attendance were Nai Hsueh, Barbara Keegan, Gary Kremen, Linda J. LeZotte, Richard Santos, and John L. Varela, constituting a quorum of the Board.

Director Tony Estremera arrived as noted below.

Staff members in attendance were N. Camacho, Chief Executive Officer (CEO), S. Yamamoto, District Counsel, M. King, Clerk, Board of Directors, R. Blank, T. Bramer, R. Callender, M. Cook, G. De La Piedra, R. Fuller, R. Gibson, C. Hakes, G. Hall, N. Hawk, B. Hopper, L. Infante, M. Lugo, L. Orta, M. Richardson, D. Taylor, B. Yerrapotu, and T. Yoke.

2. TIME CERTAIN:

11:00 AM

Chairperson LeZotte confirmed that the Board would adjourn to Closed Session for consideration of Items 2.1 and 2.2.

During Closed Session, Director Estremera arrived.

Upon return to Open Session, the same Board Members, including Director Estremera, and staff were present.

2.1 CLOSED SESSION
CONFERENCE WITH LEGAL COUNSEL
Pursuant to Government Code section 54956.9(d)(2)
Significant Exposure to Litigation

2.2 CLOSED SESSION
PUBLIC EMPLOYEE APPOINTMENT
Title: Chief Executive Officer
Ref: Government Code 54957(b)(1)

1:00 PM

2.3 District Counsel Report.

Mr. Stan Yamamoto, District Counsel, reported that in regard to Items 2.1 and 2.2, the Board met in Closed Session with all members present and gave direction to staff.

2.4 Pledge of Allegiance/National Anthem.

Director Kremen led all present in reciting the Pledge of Allegiance.

2.5 Orders of the Day.

Chairperson LeZotte confirmed that there were no changes to the Orders of the Day.

2.6 Time Open for Public Comment on any Item not on the Agenda.

Chairperson LeZotte declared time open for public comment on any item not on the agenda.

Mr. Doug Muirhead, Morgan Hill Resident, expressed concern that the Board's report on discussions held on the Anderson Dam Seismic Retrofit Project while in Washington, D.C., differed from reports on the same discussion given by the Morgan Hill City Mayor, and expressed the opinion that the Federal Permitting Improvement Steering Council was disconnected from Anderson Dam Seismic Retrofit Project permitting issues.

Mr. Felix Sukhovitsky, representing Ms. Marina Lipkind, Los Altos resident, submitted the attached request for Board consideration of relinquishing a segment of the easement held by Valley Water on his property, identified as Handout 2.6-A herein. Copies of the Handout were distributed to the Board and made available to the public.

Chairperson LeZotte referred Handout 2.6-A to staff.

Mr. Walter Hayes, Palo Alto resident, suggested that Valley Water use the Measure E site in Palo Alto as the potential site for the Advanced Water Purification Plant, and submitted the attached letter, identified as Handout 2.6-B herein. Copies of the Handout were distributed to the Board and made available to the public.

2.7 Approval of Partnership Agreement Between the Santa Clara Valley Water District, the City of Palo Alto, and the City of Mountain View to Advance Resilient Water Reuse Programs in Santa Clara County.

Recommendation:
A. Adopt a Resolution Making Responsible Agency Findings Pursuant to the California Environmental Quality Act (CEQA) Based on the Environmental Impact Report for the City of Palo Alto Recycled Water Project and the addendum prepared by the City of Palo Alto; and
B. Authorize the Chief Executive Officer to execute the Agreement Between the Santa Clara Valley Water District, the City of Palo Alto, and the City of Mountain View to Advance Resilient Water Reuse Programs in Santa Clara County (Agreement).

Mr. Gerald De La Piedra, Assistant Officer, reviewed the information on this item, per the attached Board Agenda Memorandum, and per the information contained in Attachment 3.

Mr. Dennis Murphy, Sustainable Silicon Valley, expressed support for approval of the partnership agreement, and suggested the agreement be termed the *North County Water Resiliency Agreement*, or NiCe Water in acronym.

Motion:	Adopt a Resolution No. 19-74 MAKING RESPONSIBLE AGENCY FINDINGS PURSUANT TO THE CALIFORNIA ENVIRONMENTAL QUALITY ACT FOR PARTNERSHIP AGREEMENT TO ADVANCE RESILIENT WATER REUSE PROGRAMS IN SANTA CLARA COUNTY, by roll call vote; and authorize the Chief Executive Officer to execute the Agreement Between the Santa Clara Valley Water District, the City of Palo Alto, and the City of Mountain View to Advance Resilient Water Reuse Programs in Santa Clara County.
Move to Adopt:	Tony Estremera
Second:	Gary Kremen
Yeas:	Tony Estremera, Nai Hsueh, Barbara Keegan, Gary Kremen, Linda J. LeZotte, Richard Santos, John L. Varela
Nays:	None
Abstains:	None
Recuses:	None
Absent:	None
Summary:	7 Yeas; 0 Nays; 0 Abstains; 0 Absent.

Chairperson LeZotte declared a brief recess. Upon reconvening the meeting, the same Board members, excluding Director Kremen. were present.

Director Kremen returned as noted below.

3. CONSENT CALENDAR:

The Board considered Consent Calendar Items 3.1 through 3.4 under one motion.

3.1 Approve the Board of Directors' Quarterly Expense Report for the Quarter Ending September 30, 2019.

Recommendation:
A. Review the Board of Directors' Quarterly Expense Report for the Quarter Ending September 30, 2019; and
B. Approve the report, if the reimbursements comply with Board Policy.

3.2 Adopt Revisions to the Board Governance Policy Executive Limitation 5 required by Assembly Bill (AB) 707 (Kalra) Valley Water Contracting.

Recommendation: Review and adopt proposed revisions to the Board Governance Policy Executive Limitation (EL) 5 in accordance with AB 707 (Kalra) effective January 1, 2020.

3.3 Accept the CEO Bulletins for the Weeks of November 22-28, and November 29 Through December 5, 2019.

Recommendation: Accept the CEO Bulletins.

3.4 Approval of Minutes.

Recommendation: Approve the minutes.

Motion: Approve Consent Calendar Items 3.1 through 3.4, under one motion, as follows: Approve the Board of Directors' Quarterly Expense Report for the Quarter ending September 30, 2019, as contained in Item 3.1; adopt revisions to the Board Governance Policy Executive Limitation 5 required by Assembly Bill (AB) 707 (Kalra) Valley Water Contracting, as contained in Item 3.2; accept the CEO Bulletins, as contained in Item 3.3; and approve the minutes, as contained in Item 3.4.

Move to Approve:	Richard Santos
Second:	Barbara Keegan
Yeas:	Tony Estremera, Nai Hsueh, Barbara Keegan, Linda J. LeZotte, Richard Santos, John L. Varela
Nays:	None
Abstains:	None
Recuses:	None
Absent:	Gary Kremen
Summary:	6 Yeas; 0 Nays; 0 Abstains; 1 Absent.

REGULAR AGENDA:

4. BOARD OF DIRECTORS:

4.1 Review of Board Governance Policy, GP-9.2.1, Governance Process, Board Committee Structure, Board Members Representation on Board Standing and Ad Hoc Committees.

Recommendation: Review Board Governance Policy, GP-9.2.1, Governance Process, Board Committee Structure, Board Members Representation on Board Standing and Ad Hoc Committees and make revisions as the Board deems necessary.

Ms. Michele King, Clerk, Board of Directors, reviewed the information on this item, per the attached Board Agenda Memorandum.

Director Kremen returned.

Motion: Approve the proposed changes to Board Governance Policy GP-9.2.1, Governance Process, Board Committee Structure, as contained in the attached Board Agenda Memorandum, Page 2, Potential Policy Revision section, Paragraph 2.

Move to Approve:	Richard Santos
Second:	Tony Estremera
Yeas:	Tony Estremera, Nai Hsueh, Barbara Keegan, Gary Kremen, Linda J. LeZotte, Richard Santos, John L. Varela
Nays:	None
Abstains:	None
Recuses:	None
Absent:	None
Summary:	7 Yeas; 0 Nays; 0 Abstains; 0 Absent.

4.2 Board Committee Reports.

Standing Reports (Verbal Reports):
1. Delta Conveyance Design and Construction Authority (DCA) Update
2. Delta Conveyance Finance Authority (Finance Authority) Update

Board Committees (Summary or Meeting Agenda):
3. Board Audit Committee (BAC)
4. Board Policy and Planning Committee (BPPC)
5. Capital Improvement Program (CIP) Committee
6. Coyote Flood Risk Reduction (CFRR) Ad Hoc Committee
7. Diversity and Inclusion (D&I) Ad Hoc Committee
8. Fishery and Aquatic Habitat Collaborative Effort (FAHCE) Ad Hoc Committee
9. Homeless Encampment Ad Hoc Committee (HEAHC)
10. Recycled Water Committee (RWC)
11. Water Conservation and Demand Management (WCDM) Committee
12. Water Storage Exploratory Committee (WSEC)

Board Advisory Committees (Summary or Meeting Agenda):
13. Agricultural Water Advisory Committee (AWAC)
14. Environmental and Water Resources Committee (EWRC)
15. Santa Clara Valley Water Commission (Water Commission)
16. Youth Commission

Board Joint Committees (Summary or Meeting Agenda):
17. Joint Recycled Water Advisory Committee (JRWAC) (Sunnyvale)
18. Joint Recycled Water Advisory Committee (JRWAC) (East PA/PA/MV)
19. Joint Recycled Water Policy Advisory Committee (JRWPAC) (SJ/SC/TPAC)
20. Joint Water Resources Committee (JWRC) (Gilroy/Morgan Hill)
21. San Felipe Division Reach One

External Committees/Agencies (Verbal Report):
22. ACWA and ACWA Joint Powers Insurance Authority
23. Baylands Shoreline Steering Committee
24. California WateReuse Association
25. Joint Venture Silicon Valley Board of Directors
26. Landscape Committee
27. Local Agency Formation Commission (LAFCO)
28. Northern California Latino Water Coalition
29. Pajaro River Watershed Flood Protection Authority
30. Redevelopment Dissolution Countywide Oversight Board of Santa Clara County
31. Safe, Clean Water Independent Monitoring Committee (IMC)
32. San Francisquito Creek JPA
33. Santa Clara County Water Retailers
34. Santa Clara Valley Habitat Conservation Plan JPA
35. San Luis and Delta-Mendota Water Authority Board and Delta Habitat Conservation & Conveyance Plan Steering Committee
36. Santa Clara County Emergency Operations Area Council
37. Santa Clara County Recycling and Waste Reduction Commission
38. Santa Clara County Special Districts Association
39. South County Regional Wastewater Authority (SCRWA)
40. Station Area Advisory Group (SAAG)
41. Zone 7, EBRPD, ACWD, SCVWD, LARPD and Tri-Valley Conservancy Liaison Committee

In regard to Handouts 4.2.4-A, 4.2.5-A, 4.2.5-B, 4.2.12-A, and 4.2.3-A, Chairperson LeZotte acknowledged receipt of the attached BPPC, CIP, WSEC, and BAC meeting agendas and summaries. Copies of the Handouts were distributed to the Board and made available to the public.

Director Estremera reviewed and distributed the attached DCA meeting summary, identified as Handout 4.1.1-A, herein. Copies of the Handout were distributed to the Board, and made available to the public.

Director Kremen reported attending a Water Storage Exploratory Committee (WSEC) meeting and advised the Board of the WSEC's intentions to invite representatives from other local water agencies to engage in discussion; and advised the Board of his receipt of constituent concerns that lights from the San Francisquito Creek Flood Protection Project would shine too brightly on neighboring residences.

Director Santos reported observing a Water Retailers Committee meeting and commended the level of participation and engagement he witnessed among Valley Water staff and water retailer participants.

Director Hsueh reviewed the attached November 18, 2019 Capital Improvement Program (CIP) meeting summary, identified as Handout 4.2-A herein, and discussed the Committee's efforts to monitor progress of capital projects that have been identified to have budget or scheduling issues.

Director Varela reported attending the Association of California Water Agencies (ACWA) Fall Conference, discussed his and Director Estremera's participation in a Diversity and Inclusion meeting at the conference, and discussed the formation of an ACWA Latino Caucus which would be enacted by ACWA as a formal association committee during the Spring 2020 ACWA Conference.

Chairperson LeZotte reported attending a Special District Association meeting, and discussed changes to the Association's bylaws.

5. WATER UTILITY ENTERPRISE:

None.

6. WATERSHEDS:

The Board considered Items 6.1, 6.2, and 6.3 without staff presentation.

6.1 Approve the Agreement with Environmental Science Associates (ESA) for On-Call Planning & Design Services for Water Resources and Stewardship Agreement, CAS File No. 5017, for a not-to-exceed fee of $1,000,000; and approve the Agreement with GEI Consultants for On-Call Planning and Design Services for Water Resources and Stewardship Agreement, CAS File No. 4968, for a not-to-exceed fee of $1,000,000.

Recommendation:
A. Approve the On-Call Planning & Design Services for Water Resources & Stewardship Agreement with Environmental Science Associates (ESA), for a not-to-exceed fee of $1,000,000 for the initial base term of four years, with the option to renew for up to one year, at the sole discretion of the District, for an additional amount of $500,000; and
B. Approve the On-Call Planning & Design Services for Water Resources & Stewardship Agreement with GEI Consultants, Inc. (GEI), for a not-to-exceed fee of $1,000,000 for the initial base term of four years, with the option to renew for up to one year, at the sole discretion of the District, for an additional amount of $500,000.

Move to Approve:	Nai Hsueh
Second:	Richard Santos
Yeas:	Tony Estremera, Nai Hsueh, Barbara Keegan, Gary Kremen, Linda J. LeZotte, Richard Santos, John L. Varela
Nays:	None
Abstains:	None
Recuses:	None
Absent:	None
Summary:	7 Yeas; 0 Nays; 0 Abstains; 0 Absent.

6.2 Budget Adjustment in the Amount of $320,000; Approve an Increase of $12,591.63 to the Construction Contract Contingency Sum; and Accept the Project as Complete for the Cunningham Flood Detention Facility Certification Project (Construction Stage 1 - Milestones 1 and 1a), Gordon N. Ball, Contractor, Project No. 40264011, Contract No. C0641 (San Jose) (District 1).

Recommendation:

A. Approve a Fiscal Year 2020 budget adjustment in the amount of $320,000 from Fund 12 Watershed Stream Stewardship Fund to the Cunningham Flood Detention Facility Project;
B. Approve an increase of $12,591.88 to the construction contract contingency sum;
C. Accept the work as complete on the Cunningham Flood Detention Facility Certification Project (Construction Stage 1 - Milestones 1 and 1a), Project No. 40264011, Contract No. C0641; and
D. Direct the Clerk of the Board to sign the Notice of Completion of Contract and Acceptance of Work for Construction Stage 1 - Milestones 1 and 1a and submit for recording to the County of Santa Clara Office of the Clerk-Recorder.

Move to Approve:	John L. Varela
Second:	Richard Santos
Yeas:	Tony Estremera, Nai Hsueh, Barbara Keegan, Gary Kremen, Linda J. LeZotte, Richard Santos, John L. Varela
Nays:	None
Abstains:	None
Recuses:	None
Absent:	None
Summary:	7 Yeas; 0 Nays; 0 Abstains; 0 Absent.

6.3 Budget Adjustment in the Amount of $3 Million from Fund 12 Watershed and Stream Stewardship Operating and Capital Reserves to the South San Francisco Bay Shoreline Project, Project No. 00044026 (District 3).

Recommendation: Approve a budget adjustment in the amount of $3 million from Fund 12 Watersheds Stream Stewardship Operating and Capital Reserves to the South San Francisco Bay Shoreline Project, Project No. 00044026.

Director Kremen requested that staff include in future items pertaining to budget adjustments, information on the balance that would be left in the fund(s) that money is proposed to for transfer out of, if the proposed budget adjustment is approved.

Move to Approve:	Richard Santos
Second:	Tony Estremera
Yeas:	Tony Estremera, Nai Hsueh, Barbara Keegan, Gary Kremen, Linda J. LeZotte, Richard Santos, John L. Varela
Nays:	None
Abstains:	None
Recuses:	None
Absent:	None
Summary:	7 Yeas; 0 Nays; 0 Abstains; 0 Absent.

7. EXTERNAL AFFAIRS:

7.1 Opportunities to Enhance and Update the Safe, Clean Water and Natural Flood Protection Program by Evaluating a Future Funding Measure.

Recommendation:

A. Receive information on opportunities to strengthen and update the existing Safe, Clean Water and Natural Flood Protection Program;
B. Receive information on the feasibility of developing and placing a future funding measure on the November 2020 ballot;
C. Receive information of next steps towards developing a future funding measure and program, which will be brought to the Board for consideration in 2020; and
D. Provide staff direction on considerations and next steps for developing a funding measure to continue and extend an existing special parcel tax for continued funding of the Safe, Clean Water and Natural Flood Protection Program for potential placement on the November 2020 ballot.

Ms. Marta Lugo, Assistant Officer, reviewed the information on this item, per the attached Board Agenda Memorandum.

Director Keegan left the meeting and returned as noted below.

Motion: Approve expressing support for staff to explore potential opportunities to place a Safe, Clean Water and Natural Flood Protection Program ballot measure on the November 2020 ballot; come back to Board, beginning at the February 2020 Board Strategic Planning Session, with regular updates on the Next Steps identified in the attached Board Agenda Memorandum, Page 5; and include in staff's first presentation back to the Board, information on the feasibility of pursuing future funding as general tax ballot measure.

Move to Approve:	Nai Hsueh
Second:	Tony Estremera
Yeas:	Tony Estremera, Nai Hsueh, Gary Kremen, Linda J. LeZotte, Richard Santos, John L. Varela
Nays:	None
Abstains:	None
Recuses:	None
Absent:	Barbara Keegan
Summary:	6 Yeas; 0 Nays; 0 Abstains; 1 Absent.

Director Keegan returned.

7.2 2019 Update on Programs and Activities in the Office of Civic Engagement.

Recommendation: Receive information and updates on the programs and activities in the Office of Civic Engagement.

Ms. Sherilyn Tran, Civic Engagement Manager, reviewed the information on this item, per the attached Board Agenda Memorandum, and per the information contained in Attachment 1.

The Board noted the information without formal action.

8. CHIEF EXECUTIVE OFFICER:

8.1 Planning for Fiscal Year 2020-21 Budget Process.

Recommendation: Receive and discuss the Fiscal Year 2020-21 budget process overview.

Mr. Darin Taylor, Chief Financial Officer, reviewed the information on this item, per the attached Board Agenda Memorandum, and per the information contained in Attachment 1.

The Board noted the information without formal Action.

8.2 CEO and Chiefs' Report.

Mr. Rick Callender, Chief of External Affairs, distributed and reviewed the attached Office of Civic Engagement and Office of Communications Reports, identified respectively as Handouts 8.2-B and 8.2-C herein; reported on the recent formation of a Federal Permit Improvement Steering Council (FPISC); confirmed that staff would work with the FPISC on Anderson Dam Seismic Retrofit Project permit issues; and reported on a meeting with Congresswoman Zoe Lofgren, and other federal delegates, during the Board's recent visit to Washington, D.C. Copies of the Handouts were distributed to the Board and made available to the public.

Ms. Melanie Richardson, Chief Operating Officer, distributed and reviewed the attached Storm Report, identified as Handout 8.2-A herein. Copies of the Handout were distributed to the Board and made available to the public; and Ms. Rechelle Blank, Assistant Officer, provided an update on the South San Francisco Bay Shoreline Project.

Ms. Nina Hawk, Chief Operating Officer, provided an update on regulatory and participating agency discussions regarding utilization of the South Bay Aqueduct to convey water from the Los Vaqueros Reservoir Expansion Project; reported on discussions with Bay Area Regional Reliability regarding two potential water transfer pilot programs between the San Francisco Public Utilities Commission and Alameda County Water District, and between the Bay Area Water Supply and Conservation Agency, Contra Costa Water District, and Valley Water, for Hetch Hetchy and Central Valley Water Project water, respectively; and reported on the water transfer pilot project between the San Joaquin River Exchange Contractors and Valley Water.

9. ADMINISTRATION:

None.

10. DISTRICT COUNSEL:

None.

11. ADJOURN:

11.1 Board Member Reports/Announcements.

Directors Estremera, Keegan, Kremen, and Varela reported attending the Association of California Water Agencies Annual Conference.

Vice Chairperson Hsueh left the meeting and did not return.

11.2 Proposed Future Board Member Agenda Items.

Director Kremen requested that staff agendize discussion on public art, including information on the CalTrans Transportation Art Policy.

11.3 Clerk Review and Clarification of Board Requests.

Ms. King confirmed that there were no new Board Member Requests.

11.4 Adjourn to Special Meeting at 10:00 a.m., on December 17, 2019, in the Santa Clara Valley Water District Headquarters Building Boardroom, 5700 Almaden Expressway, San Jose, California.

Chairperson LeZotte adjourned the meeting at 4:00 p.m., to the 10:00 a.m. Special Board meeting on Tuesday, December 17, 2019, in the Valley Water Headquarters Building Boardroom, 5700 Almaden Expressway, San Jose.

Michele L. King, CMC
Clerk, Board of Directors

Approved:

Date:

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BOARD OF DIRECTORS MEETING

MINUTES

SPECIAL MEETING
TUESDAY, DECEMBER 17, 2019
10:00 AM

(Paragraph numbers coincide with agenda item numbers)

1. CALL TO ORDER:

1.1 Roll Call.

Board members in attendance were Tony Estremera, Nai Hsueh, Barbara Keegan, Linda J. LeZotte, Richard Santos, and John L. Varela, constituting a quorum of the Board.

Director Gary Kremen arrived as noted below.

Staff members in attendance were S. Yamamoto, District Counsel, M. King, Clerk, Board of Directors, M. Baratz, T. Bramer, M. Cook, V. Gin, C. Hakes, B. Hopper, L. Infante, M. Lugo, N. Nguyen, A. Noriega, D. Taylor, T. Yoke, and B. Yerrapotu.

Chief Operating Officer M. Richardson represented Chief Executive Officer N. Camacho, Deputy Operating Officer S. Tippets represented Chief Operating Officer M. Richardson, Deputy Operating Officer G. Hall represented Chief Operating Officer N. Hawk, and Deputy Administrative Officer R. Gibson represented Chief of External Affairs R. Callender.

1.2 Pledge of Allegiance/National Anthem.

Chairperson LeZotte led all present in reciting the Pledge of Allegiance.

1.3 Time Open for Public Comment on any Item not on the Agenda.

Chairperson LeZotte declared time open for any item not on the agenda. There was no one present who wished to speak.

2. TIME CERTAIN:

10:00 AM

2.1 Adopt Resolution of Intention to Amend the Contract With CalPERS to Include Partial Service Retirement Benefit.

Recommendation: Adopt Resolution of INTENTION TO APPROVE AN AMENDMENT TO CONTRACT BETWEEN THE BOARD OF ADMINISTRATION CALIFORNIA PUBLIC EMPLOYEES RETIREMENT SYSTEM AND THE BOARD OF DIRECTORS SANTA CLARA VALLEY WATER DISTRICT, to Include Section 21118 Partial Service Retirement.

Ms. Anna Noriega, Chief People Officer, reviewed the information on this item, per the attached Board Agenda Memo.

Motion: Adopt Resolution No. 19-75, INTENTION TO APPROVE AN AMENDMENT TO CONTRACT BETWEEN THE BOARD OF ADMINISTRATION CALIFORNIA PUBLIC EMPLOYEES RETIREMENT SYSTEM AND THE BOARD OF DIRECTORS SANTA CLARA VALLEY WATER DISTRICT, to Include Section 21118 Partial Service Retirement, by roll call vote.

Move to Adopt:	Tony Estremera
Second:	Nai Hsueh
Yeas:	Tony Estremera, Nai Hsueh, Barbara Keegan, Linda J. LeZotte, Richard Santos, John L. Varela
Nays:	None
Abstains:	None
Recuses:	None
Absent:	Gary Kremen
Summary:	6 Yeas; 0 Nays; 0 Abstains; 1 Absent

2.2 Receive Watersheds Operations and Maintenance Program Overview and Review Draft 5-Year Plan.

Recommendation:
A. Receive a Watersheds Operations and Maintenance Program Overview; and
B. Review the Draft 5-Year Operations and Maintenance Plan.

Ms. Melanie Richardson, acting Chief Executive Officer, reviewed the information on this item, per the attached Board Agenda Memo; distributed and reviewed the attached Watersheds Workshop Overview, identified as Handout 2.2-A herein; and introduced Ms. Sue Tippets, Acting Chief Operating Officer, Watersheds, who distributed and reviewed the attached maps of Capital Improvement Projects in North and South County, identified as Handout 2.2-B herein. Copies of the Handouts were distributed to the Board and made available to the public.

The additional materials contained in Attachments 1 and 2 were reviewed by Ms. Tippets, Ms. Jennifer Codianne, Integrated Vegetation Manager, Mr. Scott Akin, Environmental Services Manager, Mr. Devin Mody, Operations and Maintenance Engineering Support Manager, and Mr. Jeff Ham, Program Administrator.

Director Keegan requested that staff come back with information on how many of the comments received through Access Valley Water pertain to stream maintenance, with information grouped into the categories of maintained vs. non-maintained channels (Board Member Request No. 19-0017).

The Board noted the information, without formal action.

2.3 19-1142 Receive Updates on Safe, Clean Water and Natural Flood Protection Program Flood Protection Projects and Funding Scenarios.

Recommendation:

A. Receive project updates on the following Safe, Clean Water and Natural Flood Protection Program (Safe, Clean Water Program) Flood Protection Projects:
    i. Coyote Creek
    ii. Upper Penitencia Creek
    iii. Upper Llagas Creek
    iv. Upper Guadalupe River;
B. Review potential funding scenarios:
    i. Consider the Capital Improvement Program (CIP) Committee's Recommendation to proceed with Scenario 2, and approve moving forward with Scenario 2 and set the time and place for the public hearing for January 14, 2020, to modify the Upper Guadalupe River and Upper Llagas Creek Flood Protection Projects; or
    ii. Based upon the Board's recent decision to explore the opportunity for a renewed Safe, Clean Water Program for voter consideration during the November 2020 election, direct staff to:
        a. Move forward with the required public hearing for the Upper Llagas Creek Flood Protection Project and set the time and place for the public hearing for January 14, 2020; and
        b. Return to the Board in one year to review the potential funding scenarios for the remaining Safe, Clean Water Program Flood Protection Projects; and
C. Provide feedback and direction to staff, as necessary.

Ms. Jessica Collins, Watersheds Business Plan and Analysis Manager, reviewed the information on this item, per the attached Board Agenda Memo.

The additional materials contained in Attachments 1 through 7, and Handouts 2.3-A and 2.3-B, were reviewed by Ms. Collins, Mr. Afshin Rouhani,

Water Policy and Planning Manager, Mr. Stephen Ferranti, Capital Engineering Manager, and Mr. Karl Neuman, Engineering Unit Manager.

Director Kremen Arrived.

Motion:	In regard to the Capital Improvement Program (CIP) Committee's recommendation to the Board, contained in the attached Board Agenda Memorandum, Page 1, Recommendation B.i., approve delaying consideration of Funding Scenario 2; delay consideration of a public hearing to modify the Upper Guadalupe River Flood Protection Project; direct staff to come back in approximately one year with updated funding scenarios; and approve setting the time and place for a public hearing to modify the Upper Llagas Creek Flood Protection Project on January 14, 2020.
Move to Approve:	Tony Estremera
Second:	John L. Varela

Director Hsueh requested, and Directors Estremera and Varela accepted, an amendment to the motion as follows:

Motion:	In regard to the Capital Improvement Program (CIP) Committee's recommendation to the Board, contained in the attached Board Agenda Memorandum, Page 1, Recommendation B.i., authorize staff to transfer funds from the Upper Penitencia Creek Flood Protection Project, to the Coyote Creek Flood Protection Project, and approve moving forward the Coyote Creek Flood Protection Project; approve delaying consideration of the remaining portions of Funding Scenario 2 not related to the Coyote Creek Flood Protection Project; delay consideration of a public hearing to modify the Upper Guadalupe River Flood Protection Project; direct staff to come back in approximately one year with updated funding scenarios, including shortfalls to the Coyote and Upper Llagas Creek Flood Protection Projects; and approve setting the time and place for a public hearing to modify the Upper Llagas Creek Flood Protection Project on January 14, 2020.
Move to Approve:	Tony Estremera
Second:	John L. Varela
Yeas:	Tony Estremera, Nai Hsueh, Barbara Keegan, Gary Kremen, Linda J. LeZotte, Richard Santos, John L. Varela
Nays:	None
Abstains:	None
Recuses:	None
Absent	None
Summary:	7 Yeas; 0 Nays; 0 Abstains; 0 Absent

2.4 Review the Draft Preliminary Fiscal Years 2021-2025 Capital Improvement Program for the Watersheds Stream Stewardship Fund and the Safe, Clean Water and Natural Flood Protection Program Fund.

Recommendation:
A. Review and discuss the Draft Preliminary Fiscal Years 2021-2025 Capital Improvement Program for the Watersheds Stream Stewardship Fund and the Safe, Clean Water and Natural Flood Protection Program Fund; and
B. Provide direction to staff, as needed.

Ms. Collins reviewed the information on this item, per the attached Board Agenda Memo, and the additional materials contained in Attachments 1 and 2 were reviewed by Ms. Collins and Mr. Darin Taylor, Chief Financial Officer.

The Board noted the information without formal action.

3. ADJOURN:

3.1 Clerk Review and Clarification of Board Requests.

Ms. Michele King, Clerk, Board of Directors, read the new Board Member Request into the record.

3.2 Adjourn to 11:00 a.m. Closed Session and 1:00 p.m. Regular Meeting on January 14, 2020, in the Santa Clara Valley Water District Headquarters Building Boardroom, 5700 Almaden Expressway, San Jose, California.

Chairperson LeZotte adjourned the meeting at 1:05 p.m., to the 11:00 a.m. Closed Session and 1:00 p.m. Regular Meeting on January 14, 2020, in the Santa Clara Valley Water District Headquarters Building Boardroom, 5700 Almaden Expressway, San Jose, California.

Michele L. King, CMC
Clerk, Board of Directors

Approved:

Date:

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BOARD OF DIRECTORS MEETING

MINUTES

CLOSED SESSION AND REGULAR MEETING
TUESDAY, JANUARY 14, 2020
11:00 AM

(Paragraph numbers coincide with agenda item numbers)

1. CALL TO ORDER:

A Closed Session and Regular Meeting of the Santa Clara Valley Water District (Valley Water) Board of Directors was called to order in the Valley Water Headquarters Building Boardroom at 5700 Almaden Expressway, San Jose, California, at 11:00 a.m.

1.1 Roll Call.

Board members in attendance were Nai Hsueh, Barbara Keegan, Gary Kremen, Linda J. LeZotte, Richard Santos, and John L. Varela, constituting a quorum of the Board.

Director Tony Estremera arrived as noted below.

Staff members in attendance were N. Camacho, Chief Executive Officer, J. Aranda, A. Baker, R. Callender, M. Cook, G. De La Piedra, R. Fuller, R. Gibson, C. Hakes, G. Hall, N. Hawk, B. Hopper, L. Infante, M. Lugo, N. Nguyen, M. Richardson, D. Taylor, S. Yamamoto, B. Yerrapotu, and T. Yoke. Senior Assistant District Counsel L. Orta represented District Counsel S. Yamamoto, and Deputy Clerk of the Board M. Meredith represented Clerk, Board of Directors M. King.

2. TIME CERTAIN:

11:00 AM

Chairperson LeZotte announced that the Board would adjourn to Closed Session for consideration of Items 2.1 and 2.2.

During Closed Session, Director Estremera arrived. Upon return to Open Session, the same Board members and staff, including Director Estremera, were present.

2.1 CLOSED SESSION
CONFERENCE WITH LEGAL COUNSEL - ANTICIPATED LITIGATION
Government Code Section 54956.9(d)(4)
One Potential Case

2.2 CLOSED SESSION
CONFERENCE WITH LEGAL COUNSEL - EXISTING LITIGATION
Pursuant to Government Code 54956(d)(1)
SCVWD v. Moitozo, et al., Santa Clara Superior Court, Court No.: 19CV345563

1:00 PM

2.3 District Counsel Report.

Ms. Leslie Orta, Senior Assistant District Counsel, reported that in regard to Items 2.1 and 2.2, the Board met in Closed Session with all members, and gave direction to staff.

2.4 Pledge of Allegiance/National Anthem.

Chairperson LeZotte led all present in reciting the Pledge of Allegiance.

2.5 Orders of the Day.

Chairperson LeZotte confirmed that Item 4.2 would be continued to the January 28, 2020, Regular Board meeting.

2.6 Time Open for Public Comment on any Item not on the Agenda.

Chairperson LeZotte declared time open for public comment on any item not on the agenda. There was no one present who wished to speak.

2.7 Election of Board Chair and Vice Chair for Year 2020.

Recommendation:	Nominate and elect a new Chairperson and Vice Chairperson for the calendar year 2020.
Motion:	Nominate and elect District 5 Director Nai Hsueh as Board Chairperson, and District 6 Director Tony Estremera as Vice Chairperson, for the calendar year 2020.
Move to Approve:	Gary Kremen
Second:	Barbara Keegan
Yeas:	Tony Estremera, Nai Hsueh, Barbara Keegan, Gary Kremen, Linda J. LeZotte, Richard Santos, John L. Varela
Nays:	None
Abstains:	None
Recuses:	None
Absent:	None
Summary:	7 Yeas; 0 Nays; 0 Abstains; 0 Absent.

The remainder of the meeting was facilitated by newly elected Chairperson Hsueh.

2.8 Recognition of Outgoing Chair.

Ms. Norma Camacho, Chief Operating Officer (CEO), presented outgoing Chairperson LeZotte with a memento of appreciation, and reviewed her accomplishments as Chairperson during 2019, and the remaining Board members collectively and individually expressed their appreciation to the outgoing Chair.

2.9 Public Hearing on the Proposed Modifications to the Safe, Clean Water and Natural Flood Protection Program's Upper Llagas Creek Flood Protection Project.

Recommendation:
A. Open the public hearing to receive comments on the Safe, Clean Water and Natural Flood Protection Program's Project E6: Upper Llagas Creek Flood Protection Project;
B. Close the public hearing; and
C. Adopt the resolution APPROVING THE MODIFICATION TO THE UPPER LLAGAS CREEK FLOOD PROTECTION PROJECT OF THE SAFE, CLEAN WATER AND NATURAL FLOOD PROTECTION PROGRAM.

Chairperson Hsueh opened the Public Hearing.

Mr. Tim Bramer, Interim Deputy Operating Officer, reviewed the information on this item, per the attached Board Agenda Memo; and Ms. Meenakshi Ganjoo, Program Administrator, reviewed the information contained in Attachments 1 through 3.

Chairperson Hsueh declared time open for public comments.

Mr. Jarad Shiva, Mott MacDonald, requested, and was provided with information by staff, on the anticipated schedule to have a contract in place by May 2020 for Phase 2-A of the Upper Llagas Creek Flood Protection Project.

Chairperson Hsueh closed the Public Hearing.

Motion:	Adopt Resolution No. 20-01, APPROVING THE MODIFICATION TO THE UPPER LLAGAS CREEK FLOOD PROTECTION PROJECT OF THE SAFE, CLEAN WATER AND NATURAL FLOOD PROTECTION PROGRAM.
Move to Approve:	John L. Varela
Second:	Tony Estremera
Yeas:	Tony Estremera, Nai Hsueh, Barbara Keegan, Gary Kremen, Linda J. LeZotte, Richard Santos, John L. Varela
Nays:	None
Abstains:	None
Recuses:	None
Absent:	None
Summary:	7 Yeas; 0 Nays; 0 Abstains; 0 Absent.

2.10 Comprehensive Annual Financial Report for the Fiscal Year Ended June 30, 2019, and other Independent Auditor's Reports.

Recommendation: Accept the Comprehensive Annual Financial Report for the Fiscal Year Ended June 30, 2019, and other Independent Auditor's Reports.

Mr. Darin Taylor, Chief Financial Officer, reviewed the information on this item, per the attached Board Agenda Memo, and discussed the status of staff efforts to purchase a software program that would help Valley Water do its own actuarial analysis on unfunded pension liability.

Directors Keegan and Kremen requested that a discussion regarding other agencies' best management practices for auditing annual financial reports be added to the February 2020 Board Audit Committee Agenda, and confirmed that the Board Audit Committee would come back to the Board if there was a recommendation to change current processes.

Move to Accept:	Tony Estremera
Second:	John L. Varela
Yeas:	Tony Estremera, Nai Hsueh, Barbara Keegan, Gary Kremen, Linda J. LeZotte, Richard Santos, John L. Varela
Nays:	None
Abstains:	None
Recuses:	None
Absent:	None
Summary:	7 Yeas; 0 Nays; 0 Abstains; 0 Absent.

2.11 Work Study Session on Preliminary Fiscal Year (FY) 2020-21 Groundwater Production Charges and the Capital Improvement Program, and Board Consideration to Approve the Fiscal Years 2021-25 Preliminary Capital Improvement Program (CIP).

Recommendation:
A. Review the FY 2021-25 Preliminary CIP and provide direction to staff for development of the Draft FY 2021-25 CIP;
B. Discuss and provide direction on the preliminary FY 2020-21 Groundwater Production Charge analysis prepared by staff; and
C. Provide direction regarding whether to include three newly proposed water supply projects into the Draft FY 2021-25 CIP.

Mr. Christopher Hakes, Deputy Operating Officer, reviewed the information on this item, per the attached Board Agenda Memo, and the corresponding presentation materials contained in Supplemental Attachment 1 were reviewed by staff as follows: Mr. Hakes, reviewed Slides 1 through 20; Mr. Taylor, reviewed Slides 21 through 35, and Slides 41; Ms. Nina Hawk, Chief Operating Officer, reviewed Slide 36; Ms. Bhavani Yerrapotu, Deputy Operating Officer, reviewed Slides 37 through 38; and Mr. Garth Hall, Deputy Operating Officer, reviewed Slides 39 through 40. Slides 41 through 56 were not reviewed by staff.

Mr. Hakes informed the Board that in Supplemental Agenda Memo, Page 8, Under the *Summary of Proposed Changes to the CIP* section*,* Paragraph 2,

Line 2, as well as in Supplemental Attachment 2, *Preliminary FY 2021-25 CIP*, Page 11, in the *Changed from FY 20* column of the *CIP Grand Total* table, the $1.5 billion reported should be revised to read $280 million.

The Board made the following requests of staff:

In regard to the development of future CIPs:

- Staff is to include a list of unfunded operations and maintenance projects;
- Staff is to investigate ways to fund long-term capital project operation and maintenance costs; and
- Staff is to investigate Capital budget planning approaches that allow funds for capital operations and maintenance projects to be moved from projects with higher priority, but lower probability of clearing regulatory requirements and other challenges that would allow the project to start, to projects with lower priority but higher probability to qualify to be started within the budgeted period.

In regard to the Preliminary FY 20-21 Groundwater Production Charges:

- Staff is to come back with a scenario that incorporates long-term investment as a Joint Powers Authority participant in Los Vaqueros Reservoir;
- Staff is to come back with a scenario that assumes WIIN funds are achieved, or replaced by funding from partnerships or grants, for the Pacheco Reservoir Expansion Project;
- Staff is to come back with a scenario that incorporates projections associated with South County water treatment; and
- Staff is to discuss the Purified Water Program with the Recycled Water Committee.

The Board expressed support for a $200 per-acre-foot treated water surcharge and for the Fiscal Years 21-25 CIP, and noted the remainder of information presented without formal action.

The Board noted the information, without formal action.

3. CONSENT CALENDAR:

Chairperson Hsueh removed Items 3.1 and 3.7 from the Consent Calendar, and the Board considered Consent Calendar Items 3.2 through 3.6, under one motion.

3.2 Receive and Direct the Clerk to File the Notice of Completion of Contract and Acceptance of Work for the San Tomas Aquino Creek Erosion Repair, From United States Geological Survey Gage Near Williams Road to Virginia Avenue, and Barron Creek Concrete Repair at Bryant Street Project, Bosco Constructors, Inc., Contractor, Project No. 62084001, Contract No. C0647 (Palo Alto, Campbell, San Jose) (Districts 2, 4, 7).

Recommendation:
A. Accept the work on the San Tomas Aquino Creek Erosion Repair, from United States Geological Survey Gage near Williams Road to Virginia Avenue for approximately 2.1 miles long, and Barron Creek Concrete Repair at Bryant Street Project, Project No. 62084001, Contract No. C0647 as complete; and
B. Direct the Clerk of the Board to sign the Notice of Completion of Contract and Acceptance of Work and submit for recording at the Santa Clara County Office of the Clerk-Recorder.

3.3 Receive and Direct the Clerk to File the Notice of Completion of Contract and Acceptance of Work for the Main Avenue and Madrone Pipeline Restoration Project, Monterey Peninsula Engineering, Contractor, Project No. 26564001, Contract No. C0633 (Morgan Hill) (District 1).

Recommendation:
A. Accept the work on the Main Avenue and Madrone Pipeline Restoration Project, Monterey Peninsula Engineering, Contractor, Project No. 26564001, Contract No. C0633 as complete; and
B. Direct the Clerk of the Board to sign the Notice of Completion of Contract and Acceptance of Work and submit for recording at the Santa Clara County Office of the Clerk-Recorder.

3.4 Membership Nominations for Committee Re-Appointments to the Environmental and Water Resources Committee (EWRC), for Committee Appointment to the Safe, Clean Water Independent Monitoring Committee (SCW IMC), and adopt Resolutions Expressing Appreciation for outgoing SCW IMC Members.

Recommendation:
A. Consider re-appointments to the EWRC;
B. Consider two-year membership appointment to the SCW IMC; and
C. Adopt the resolutions EXPRESSING APPRECIATION to outgoing SCW IMC members.

3.5 Set Time and Place of Public Hearing for the Santa Clara Valley Water District Board of Directors to Determine the Necessity for Directors to be Compensated for up to 15 Days per Calendar Month, and to Consider Directors' Compensation for Calendar Year 2020.

Recommendation:
A. Set time and place of public hearing at 1:00 p.m., on February 11, 2020, at the Santa Clara Valley Water District Headquarters Boardroom, 5700 Almaden Expressway, San Jose, California, for the Board of Directors to:
   i. Consider evidence and determine if there is an operational need for Directors to be compensated for up to 15 days per calendar month; and
   ii. Consider Directors' compensation for calendar year 2020, pursuant to Chapter 2, Division 10 of the California Water Code; and

B. Direct the Clerk of the Board to publish notice of public hearing in a newspaper of general circulation within Santa Clara County.

3.6 Approval of Minutes.

Recommendation: Approve the minutes.

Motion: Approve Consent Calendar Items 3.2 through 3.6, under one motion, as follows: accept the work as complete and direct the Clerk to file the Notices of Completion of Contract and Acceptance of Work for the San Tomas Aquino Creek Erosion Repair, Williams Road/ U.S. Geological Survey Gage to Virginia Avenue/Barron Creek, Concrete Repair at Bryant Street Project, and the Main Avenue and Madrone Pipeline Restoration Project, as contained in Items 3.2 and 3.3, respectively; adopt Resolution Nos. 20-02, 20-03 and 20-04 EXPRESSING APPRECIATION TO Ms. JULIE HUTCHESON, MR. DOUG MUIRHEAD, AND HON. VIRGINIA HOTZ, respectively, by roll call vote, as contained in Item 3.4; set the time and place of public hearing and direct the Clerk to publish notice of public hearing, as contained in Item 3.5; and approve the minutes, as contained in Item 3.6.

Move to Approve:	Linda J. LeZotte
Second:	Tony Estremera
Yeas:	Tony Estremera, Nai Hsueh, Barbara Keegan, Gary Kremen, Linda J. LeZotte, Richard Santos, John L. Varela
Nays:	None
Abstains:	None
Recuses:	None
Absent:	None
Summary:	7 Yeas; 0 Nays; 0 Abstains; 0 Absent.

Chairperson Hsueh returned the Agenda to Item 3.1.

3.1 Adopt the Resolution Amending Resolution No. 19-05 to Amend the Easement Deed from Silicon Valley Club, LLC, for APN 015-45-013 and 015-45-24, File No. 3015-684 (San Jose) (District 3).

Recommendation:
A. Adopt the Resolution AMENDMENT TO RESOLUTION NO. 19-05 TO AMEND EXHIBIT A, THE EASEMENT DEED FROM Silicon Valley Club, LLC (APN 015-45-013 and 015-45-24, File No. 3015-684); and
B. Authorize the Chief Executive Officer (CEO) to accept the amended Easement Deed from Silicon Valley Club, LLC.

The Board continued Item 3.1 to a future meeting.

Chairperson Hsueh moved the Agenda to Item 3.7.

3.7 Accept the CEO Bulletins for the Weeks of December 6-12, December 13-19, December 20-26, 2019, December 27, 2019 to January 2, 2020, and January 3-9, 2020.

Recommendation: Accept the CEO Bulletins.

In regard to Board Member Request No. 19-0017, and Informal Board Member Request No. I-19-0022, contained in Attachment 4, Page 3, and Attachment 5, Page 3, respectively, Director Keegan requested that Board members be interviewed to provide feedback on what information would be valuable to them to capture and generate reports on, when the Access Valley Water database is replaced; and in regard to Informal Board Member Request No. I-19-0026, contained in Attachment 4, Page 4, Director Keegan requested that staff provide information on what outreach was conducted prior to the encampment cleanup to both constituents, and to San Jose City Council member Devora Davis' office.

REGULAR AGENDA:

4. BOARD OF DIRECTORS:

4.1 Set the Time and Place of Regular Meetings of the Santa Clara Valley Water District Board of Directors.

Recommendation:
A. Consider the schedule for the regular meetings of the Board, currently held on the second and fourth Tuesday of each month, beginning at 1:00 p.m. and 6:00 p.m., respectively, or as designated by the Clerk of the Board to accommodate closed session subject matter;
B. Discuss and identify, if necessary, 2020 Board meeting recess dates; and
C. If a new regular Board meeting schedule is approved, adopt the Resolution SETTING TIME AND PLACE OF MEETINGS OF THE BOARD OF DIRECTORS OF THE SANTA CLARA VALLEY WATER DISTRICT AND RESCINDING RESOLUTION NO. 17-55.

Chairperson Hsueh reviewed the information on this item, per the attached Board Agenda Memo.

Motion: Approve maintaining the current regular Board meeting schedule; approve a recess during the July 14, 2020, regular meeting; and direct the Clerk of the Board to come back with a survey of Board members to determine preferences for scheduling Closed Session.

Move to Approve:	Tony Estremera
Second:	John L. Varela
Yeas:	Tony Estremera, Nai Hsueh, Barbara Keegan, Gary Kremen, Linda J. LeZotte, Richard Santos, John L. Varela
Nays:	None
Abstains:	None
Recuses:	None
Absent:	None
Summary:	7 Yeas; 0 Nays; 0 Abstains; 0 Absent.

4.2 Review Proposed Board Performance Framework.

Recommendation: Review and approve the proposed Board Performance Framework.

The Board continued Item 4.2 to the January 28, 2020, regular meeting.

4.3 Approve Recommendation from Board Audit Committee to Approve the Fiscal Years 2018-2019 to 2020-2021 Annual Audit Work Plan Updated by the Board Independent Auditor, TAP International, Inc.

Recommendation:
A. Approve the addition of the Fiscal Year 2020-2021 Property Management Audit to the Fiscal Year 2018-2019 to Fiscal Year 2020-2021 Annual Audit Work Plan; and
B. Approve the Updated Fiscal Year 2018-2019 to Fiscal Year 2020-2021 Annual Audit Work Plan.

Mr. Taylor reviewed the information on this item, per the attached Board Agenda Memo.

Director LeZotte requested that staff come back with information on the Independent Auditor's attendance at Board Meetings during 2019, including purpose for attendance and cost to District (Board Member Request No. R-20-0001).

Move to Approve:	John L. Varela
Second:	Tony Estremera
Yeas:	Tony Estremera, Nai Hsueh, Barbara Keegan, Gary Kremen, Linda J. LeZotte, Richard Santos, John L. Varela
Nays:	None
Abstains:	None
Recuses:	None
Absent:	None
Summary:	7 Yeas; 0 Nays; 0 Abstains; 0 Absent.

4.4 Board Committee Reports.

Standing Reports (Verbal Reports):
1. Delta Conveyance Design and Construction Authority (DCA) Update
2. Delta Conveyance Finance Authority (Finance Authority) Update

Board Committees (Summary or Meeting Agenda):
3. Board Audit Committee (BAC)
4. Board Policy and Planning Committee (BPPC)
5. Capital Improvement Program (CIP) Committee
6. Coyote Flood Risk Reduction (CFRR) Ad Hoc Committee
7. Diversity and Inclusion (D&I) Ad Hoc Committee
8. Fishery and Aquatic Habitat Collaborative Effort (FAHCE) Ad Hoc Committee
9. Homeless Encampment Ad Hoc Committee (HEAHC)
10. Recycled Water Committee (RWC)
11. Water Conservation and Demand Management (WCDM) Committee
12. Water Storage Exploratory Committee (WSEC)

Board Advisory Committees (Summary or Meeting Agenda):
13. Agricultural Water Advisory Committee (AWAC)
14. Environmental and Water Resources Committee (EWRC)
15. Santa Clara Valley Water Commission (Water Commission)
16. Youth Commission

Board Joint Committees (Summary or Meeting Agenda):
17. Joint Recycled Water Advisory Committee (JRWAC) (Sunnyvale)
18. Joint Recycled Water Advisory Committee (JRWAC) (East PA/PA/MV)
19. Joint Recycled Water Policy Advisory Committee (JRWPAC) (SJ/SC/TPAC)
20. Joint Water Resources Committee (JWRC) (Gilroy/Morgan Hill)
21. San Felipe Division Reach One

External Committees/Agencies (Verbal Report):
22. ACWA and ACWA Joint Powers Insurance Authority
23. Baylands Shoreline Steering Committee
24. California WateReuse Association
25. Joint Venture Silicon Valley Board of Directors
26. Landscape Committee
27. Local Agency Formation Commission (LAFCO)
28. Northern California Latino Water Coalition
29. Pajaro River Watershed Flood Protection Authority
30. Redevelopment Dissolution Countywide Oversight Board of Santa Clara County
31. Safe, Clean Water Independent Monitoring Committee (SCW IMC)
32. San Francisquito Creek JPA
33. Santa Clara County Water Retailers
34. Santa Clara Valley Habitat Conservation Plan JPA
35. San Luis and Delta-Mendota Water Authority Board and Delta Habitat Conservation & Conveyance Plan Steering Committee
36. Santa Clara County Emergency Operations Area Council
37. Santa Clara County Recycling and Waste Reduction Commission
38. Santa Clara County Special Districts Association
39. South County Regional Wastewater Authority (SCRWA)
40. Station Area Advisory Group (SAAG)
41. Zone 7, EBRPD, ACWD, SCVWD, LARPD and Tri-Valley Conservancy Liaison Committee

The Board noted the information, without discussion.

5. WATER UTILITY ENTERPRISE:

5.1 Update on the Condition of the Almaden Valley Pipeline and Determination that the Condition of the Almaden Valley Pipeline Continues to Constitute an Emergency (San Jose) (District 7).

Recommendation:
A. Receive an update on the Almaden Valley Pipeline; and
B. Determine by a four-fifths vote of the Board that there is a need to continue the emergency action declared by the Chief Executive Officer (CEO) on December 23, 2019, pursuant to California Public Contract Code §22050, to repair the Almaden Valley Pipeline.

Mr. Aaron Baker, Deputy Operating Officer, reviewed the information on this item per the attached Board Agenda Memo.

Motion:	Determine by a four-fifths vote of the Board that there is a need to continue the emergency action declared by the Chief Executive Officer (CEO) on December 23, 2019, pursuant to California Public Contract Code §22050, to repair the Almaden Valley Pipeline.
Move to Approve:	Tony Estremera
Second:	John L. Varela
Yeas:	Tony Estremera, Nai Hsueh, Barbara Keegan, Gary Kremen, Linda J. LeZotte, Richard Santos, John L. Varela
Nays:	None
Abstains:	None
Recuses:	None
Absent:	None
Summary:	7 Yeas; 0 Nays; 0 Abstains; 0 Absent.

6. WATERSHEDS:

None.

7. EXTERNAL AFFAIRS:

7.1 Receive Update on the 2019 Flood Preparedness Campaign.

Recommendation:
A. Receive information on 2019-2020 Flood Preparedness Campaign; and
B. Provide input on the 2020-2021 Flood Preparedness Campaign focus and direction.

Ms. Paola Giles, Public Information Representative I, reviewed the information on this item, per the attached Board Agenda Memo, and per the information contained in Attachment 1.

The Board noted the information without formal action.

7.2 Receive Update on Office of Communications.

Recommendation:
A. Receive information on the Office of Communication's accomplishments and planned activities; and
B. Provide input on current and future efforts, goals, and accomplishments since the last presentation to the Board.

Ms. Linh Hoang, Communications Manager, reviewed the information on this item, per the attached Board Agenda Memo, and per the information contained in Attachment 1.

The Board noted the information without formal action.

Director Estremera left the meeting and returned as noted below.

The Board considered Item 7.3 without a staff presentation.

7.3 Sponsorship of the Water Education for Latino Leaders (WELL) Conference 2020.

Recommendation:
A. Receive information on the Water Education for Latino Leaders 2020 Conference; and
B. Approve the request for sponsorship in the amount of $12,500.

Move to Approve:	John L. Varela
Second:	Richard Santos
Yeas:	Nai Hsueh, Barbara Keegan, Gary Kremen, Linda J. LeZotte, Richard Santos, John L. Varela
Nays:	None
Abstains:	None
Recuses:	None
Absent:	Tony Estremera
Summary:	6 Yeas; 0 Nays; 0 Abstains; 1 Absent.

Director Estremera returned.

8. CHIEF EXECUTIVE OFFICER:

8.1 CEO and Chiefs' Report.

Ms. Nina Hawk, Chief Operating Officer, reported on activities associated with a recent South Bay Aqueduct (SBA) raw water pipeline leak, including a January 20-22, 2020 planned SBA shutdown, interim distribution of groundwater to Valley Water's three water treatment plants, and outreach to water retailers; and reported on efforts to identify the cause of sludge accumulation at a storm drain adjacent to Smith Creek.

Ms. Melanie Richardson, Chief Operating Officer, distributed and reviewed the attached Storm and Stream Maintenance Reports, identified as Handouts 8.1-C and 8.1-D, respectively herein; reported on harmonic vibration issues associated with the Palo Alto Flood Basin Tide Gate Project; and reported on issues associated with the Anderson Dam Seismic Retrofit Project, including the Federal Energy Regulatory Commission's response to Valley Water's December 31, 2019, letter on Interim Risk Reductions, ongoing inter-agency coordination of the Emergency Response Plan, and staff inspection following mild, recent earthquakes.

Mr. Rick Callender, Chief External Affairs, reported Guadalupe-Coyote Resource Conservation District Board of Directors tours of various Valley Water facilities, and distributed and reviewed the attached Office of Communications and Office of Civic Engagement Reports, identified respectively as Handouts 8.1-E and Handout 8.1-F, herein. Copies of the Handouts were distributed to the Board and made available to the public.

Ms. Linh Hoang, Communications Manager, provided an update on the Legacy, Campus and Creek Sign Projects.

Ms. Tina Yoke, Chief Operating Officer, and Mr. Mike Cook, Deputy Operating Officer, distributed and reviewed the attached Office of Administrative and IT Services Quarterly Update and Project InForAll Newsletter, identified respectively as Handouts 8.1-A and Handout 8.1-B, herein. Copies of the Handouts were distributed to the Board and made available to the public.

9. ADMINISTRATION:

9.1 Adopt Resolution to Amend the Contract With CalPERS to Include Partial Service Retirement Benefit.

Recommendation:	Adopt Resolution TO APPROVE AN AMENDMENT TO CONTRACT BETWEEN THE BOARD OF ADMINISTRATION CALIFORNIA PUBLIC EMPLOYEES RETIREMENT SYSTEM AND THE BOARD OF DIRECTORS SANTA CLARA VALLEY WATER DISTRICT, to Include Section 21118 Partial Service Retirement.
Motion to Adopt:	Adopt Resolution No. 20-05, TO APPROVE AN AMENDMENT TO CONTRACT BETWEEN THE BOARD OF ADMINISTRATION CALIFORNIA PUBLIC EMPLOYEES RETIREMENT SYSTEM AND THE BOARD OF DIRECTORS SANTA CLARA VALLEY WATER DISTRICT, to Include Section 21118 Partial Service Retirement, by roll call vote
Move to Adopt:	Tony Estremera
Second:	John L. Varela
Yeas:	Tony Estremera, Nai Hsueh, Barbara Keegan, Gary Kremen, Linda J. LeZotte, Richard Santos, John L. Varela
Nays:	None
Abstains:	None
Recuses:	None
Absent:	None
Summary:	7 Yeas; 0 Nays; 0 Abstains; 0 Absent.

10. DISTRICT COUNSEL:

None.

11. ADJOURN:

11.1 Board Member Reports/Announcements.

None.

11.2 Proposed Future Board Member Agenda Items.

Director Keegan requested that, similar to the County of Santa Clara and the City of San Jose, staff investigate and come back with information on allegations made about Downtown Streets by local media sources to determine whether inappropriate use of funds or unprofessional behavior patterns existed and

whether further consideration is warranted for Valley Water's future consideration of financial engagement with Downtown Streets; and Director Santos requested that this information also be shared with the Homeless Encampment Ad Hoc Committee (Board Member Request No. 20-0004).

11.3 Clerk Review and Clarification of Board Requests.

Ms. Michelle Meredith, Acting Clerk, Board of Directors, read the new Board Member Requests into the record.

11.4 Adjourn to Regular Meeting at 6:00 p.m., on January 28, 2020, in the Santa Clara Valley Water District Headquarters Building Boardroom, 5700 Almaden Expressway, San Jose, California.

Chairperson Hsueh adjourned the meeting at 4:30 p.m., to the next regularly scheduled meeting at 6:00 p.m. on January 28, 2020, in the Santa Clara Valley Water District Headquarters Building Boardroom, 5700 Almaden Expressway, San Jose, California.

Michele L. King, CMC
Clerk, Board of Directors

Approved:

Date:

Santa Clara Valley Water District

File No.: 20-0160

Agenda Date: 2/25/2020
Item No.: 4.1.

BOARD AGENDA MEMORANDUM

SUBJECT:
Review Fiscal Year 2020 Board Policy Planning and Performance Monitoring Calendars.

RECOMMENDATION:
Review, discuss, and revise the Fiscal Year 2020 Board Policy Planning and Performance Monitoring Calendars.

SUMMARY:
This item provides the Board an opportunity to review, discuss and revise the Fiscal Year 2020 Board Policy Planning and Performance Monitoring Calendars (FY20 Board Calendar) and identify appropriate items for Board Advisory Committee work plans for discussion and feedback to the Board.

The current FY20 Board Calendars are attached for Board review.

FINANCIAL IMPACT:
There is no financial impact associated with this item.

CEQA:
The recommended action is a ministerial action and thus is not subject to the requirements of CEQA.

ATTACHMENTS:
Attachment 1: FY20 Board Policy Planning Calendar
Attachment 2: FY20 Board Performance Monitoring Calendar

UNCLASSIFIED MANAGER:
Michele King, 408-630-2711

Board Policy Planning Calendar

Santa Clara Valley Water District

FY 2019-20 Board Policy Planning Calendar Items	Frequency	Planned Board Meeting Dates		Board Committee Work Plan	Board Committee Outcome	Advisory Committee Work Plan	Advisory Committee Outcome
		July-Dec	Jan-June				
Board Governance							
Board Annual Planning Session	Annually		2/18/20	Assigned to BPPC	Recommend planning, review and report process; synthesize final report info for Board approval	All Advisory Committees	Incorporate Finalized Work Plan Strategies into Committee Workplans as standing items
Board Agenda Planning – Time Certain Item Prioritization	One Time	TBD					
Outsourcing Large Printing Jobs	One Time	TBD					
Review GP-9.2.1	One Time	12/10/19					
2020 Legislative Policy Proposals and Legislative Guiding Principles	Annually	10/22/19				All Advisory Committees	Provide link to Board Agenda item
Federal Appropriations Requests for Federal Fiscal Years 2020 and 2021	Annually	10/22/19					
Policy Issues Identified by *Board Audit Committee* • **BAC Audit Charter** • **Annual Audit Work Plan** • **Change Order Audit Report** • **District Counsel Audit Report** • **Real Estate Audit Report**	 One Time Annually One Time One Time One Time	 8/2019 6/2019 TBD TBD TBD		Assinged to BAC	Recommendations to Board as identified		
Community Linkage							
Safe, Clean Water Renewal Project			03/2020 05/2020 06/2002 07/2020				

FY 2019-20 Board Policy Planning Calendar Items	Frequency	Planned Board Meeting Dates		Board Committee Work Plan	Board Committee Outcome	Advisory Committee Work Plan	Advisory Committee Outcome
		July-Dec	Jan-June				
E.2.1. Current and future water supply for municipalities, industries, agriculture, and the environment is reliable.							
Policies Issues Identified by *California Delta Conveyance Working Group* • **Actively Participate in Decisions Regarding the California Delta Conveyance** WP (WS Strategy #3) • **Principals for Participation in Delta Conveyance Project**	Oral Reports @ Regular Board Mtgs	8/2019		Assigned to CA Delta Conveyance Working Group	Recommendations to Board as identified		Ag Water requested update
Policies Issues Identified by *Water Storage Exploratory Committee* • **Actively Pursue Efforts to Increase Water Storage Opportunites** WP (WS Strategy #2) ➢ **Pacheco Reservoir Expansion** ➢ **Negotiate with San Benito Co Water District on partnership terms for participation in the Pacheco Reservoir Expansion Project** ➢ **Los Vaqueros Expansion** ➢ **Site Reservoir Project** ➢ **San Luis Reservoir Expansion** ➢ **Shasta Reservoir Expansion** ➢ **San Luis Low Point Improvement Project**	TBD By Committee	10/2019		Assigned to WSEC	Recommendations to Board as identified		
Policy Issues Identified by *Recycled Water Committees* • **Lead Recycled and Purified Water Efforts with CSJ and Other agencies** WP (WS Strategy #4) ➢ **Partnership between Palo Alto, Mt. View & VW** ➢ **Countywide Water Reuse Master Plan** ➢ **SFPUC/BAWSCA Collaboration Efforts** ➢ **Water Exchange w/CCWD & CCCSD** ➢ **Reverse Osmosis Concentrate Mngmnt** **South County Recycled Water Governance**	TBD by Committee	12/10/19	5/19/20	Assigned to RWC	Recommendations to Board as identified		

FY 2019-20 Board Policy Planning Calendar Items	Frequency	Planned Board Meeting Dates		Board Committee Work Plan	Board Committee Outcome	Advisory Committee Work Plan	Advisory Committee Outcome
		July-Dec	Jan-June				
Policy Issues Identified by *FAHCE Ad Hoc Committee* • **Finalize FAHCE Effort** - **WP (WS Strategy #1)** • **Provide for Wateshed-wide Regulatory Planning and Permitting effort** **WP (FP Strategy #1)** • **Update on Anderson Dam Seismic Retrofit Project and FAHCE**	TBD by Committee	10/2019	3/17/20	Assgined to FAHCE Committee	Recommendations to Board as identified		

Policy Issues Identified by *Water Conservation and Demand Management Committee*
• **Engage and Educate the Community, local elected officials, and staff on future water supply strategies in SCCo.** **WP (WS Strategy #5)**
  ➢ **Implement "No Regrets" package as identified in 2040 Water Supply Master Plan**
  ➢ **Model Water Efficient New Development Ordinance**
  ➢ **Stormwater Capture Project**
  ➢ **Advanced Metering Infrastructure**
  ➢ **Shallow Groundwater Dewatering**
  ➢ **Update on Water Conservation Options for Agriculture ("Reality vs Talk") (Ag Plan)**
  ➢ **Update on Climate Change Action Plan**
	TBD by Committee			Assgined to WSDM Committee	Recommendations to Board as identified		

Surface Water Program	One Time	11/12/19		Assigned to BPPC	Recommendation to Board on current program.		
E.2.3. Reliable high quality drinking water is delivered.							
E.3.1. Provide natural flood protection for residents, businesses, and visitors.							

FY 2019-20 Board Policy Planning Calendar Items	Frequency	Planned Board Meeting Dates		Board Committee Work Plan	Board Committee Outcome	Advisory Committee Work Plan	Advisory Committee Outcome
		July-Dec	Jan-June				
E.3.2. Reduce potential for flood damages.							
Maintenance Roles/Responsibilities for District Owned and Non-District-Owned, Improved/Natural Creeks and Creekside Land	One Time	11/26/19		Assigned to BPPC	Recommendation to Board on policy and/or process revisions	All Advisory Committees	Provide link to Board Agenda item
E.4.1. Protect and restore creek, bay, and other aquatic ecosystems.							
Policy Issues Identified by the *Homeless Encampment Ad Hoc Committee* • **Promote the protection of creeks, bay and other aquatic ecosystems from threats of pollution and degradation** WP (ES Stategy 2) ➢ **Address homeless encampment clean ups (Environmental Cleanup Event 12/2019)**	Regular Board Updates	10/2019		Assigned to Homeless Encampment Ad Hoc Committee	Homeless Encampment Recommendations to Board as identified		Water Commission requested information relative to Homeless in creeks (#13 on workplan)
Proposed Policy for Encroachment on District Properties	One Time	10/22/19		Assigned to BPPC	Recommendations to Board on policy/process		
Attain Net Positive Impact on the Environment When Implementing Valley Water's Mission WP (ES Strategy #1) • **One Water Plan**	Regular Board Updates						
E.4.2. Improved quality of life in Santa Clara County through appropriate public access to trails, open spaces, and District facilities.							
E.4.3. Strive for zero net greenhouse gas emission or carbon neutrality.							

FY 2019-20 Board Policy Planning Calendar Items	Frequency	Planned Board Meeting Dates		Board Committee Work Plan	Board Committee Outcome	Advisory Committee Work Plan	Advisory Committee Outcome
		July-Dec	Jan-June				
EL-3. Human Resources							
Policy Issues Identified by the *Diversity & Inclusion Ad Hoc Committee* • **Develop new Goal/Strategy that ensures a work environment that is diverse, inclusive, free of discrimination and harassment, and that provides equal opportunity employment.** **WP (New BM Strategy)** • **Develop new Goal/Strategy that ensures there are capable employees with knowledge and subject-matter expertise to accomplish Valley Water Vision and Mission** **WP (New BM Strategy)**	TBD by Committee		3/2020 3/2020	Assinged to D&I Ad Hoc Committee	Recommendations to Board as identified		
EL-4. Capital Improvement Program							
Policy Issues Identified by the *Capital Improvement Program Committee* • **Project Labor Agreements** • **Preliminary Validated but Unfunded Project List** • **Watershed Capital Program Funding Scenarios** • **Water Utility Capital Program Funding Scenarios** • **FY21-25 Preliminary CIP Development**	One Time Annually Annually Annually Annually	10/2019	4/21/20 1/2020 1/2020 1/2020	Assinged to CIP Committee	Provide recommendations to Board as identified	All Advisory Committee	Provide Link to CIP document

FY 2019-20 Board Policy Planning Calendar Items	Frequency	Planned Board Meeting Dates		Board Committee Work Plan	Board Committee Outcome	Advisory Committee Work Plan	Advisory Committee Outcome
		July-Dec	Jan-June				
EL-4. Financial Management							
FY20-21 Financial Planning, Budget Message, Budget Development, and Groundwater Production Charges including OSC and SWP	Annually	11/2019 Planning for GWC 11/26/19 PERS-OPEB Unfunded Liabilities 12/2019 Budget Guidelines - CIP Process	1/14/20 Preliminary GWC 4/2020 GWC Public Hearing 4/2020 GWC So Co Public Hearing 4/2020 Close GWC Public Hearing 2/2020 1st Pass Budget Upate 3/2020 2nd Pass Preliminary Budget 4/2020 Budget Study Session 5/2020 Adopt Operating & Capital Budget & GWC			All Advisory Committees	Provide link to Budget document

FY 2019-20 Board Policy Planning Calendar Items	Frequency	Planned Board Meeting Dates		Board Committee Work Plan	Board Committee Outcome	Advisory Committee Work Plan	Advisory Committee Outcome
		July-Dec	Jan-June				
Develop new Goal/Strategy that focuses on Providing Affordable and Effective Cost of Services, researching and pursuing feasible revenue sources allowed by the District Act. **WP (New BM Strategy)**	TBD By Working Group			Assigned to Financial Sustainability Working Group	Recommendations to Board as identified		
EL-5. Procurement							
EL-6. Asset Protection							

WP-FY20 Board Work Plan

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Performance Monitoring Calendar

Santa Clara Valley Water District

FY2019-20 Performance Monitoring Items	Frequency	Planned Board Meeting Dates		Board Committee Work Plan	Board Committee Outcome	Advisory Committee Work Plan	Advisory Committee Out Come
		July-Dec	Jan-June				
Board Governance							
Board Self-Assessment	Provide process revision recommendations to Board		1/28/20	Assigned to BAC			
Board Expense Report	Quarterly	9/2019 12/2019	3/2020 6/2020				
BAOs Performance Evaluation	Quarterly	TBD	TBD				
BAOs Compensation Review	Annually		TBD				
Review GP-6.3.1	One Time	9/24/19		Assigned to BPPC			
Review Effectiveness of Board Committees	Provide recommendations to Board as identified by BPPC			Assigned to BPPC			
Community Linkage							
District Communication Program Update	Annually	12/2019					
Safe, Clean Water Programs Update	Annually	9/2019					
E.2.1. Current and future water supply for municipalities, industries, agriculture, and the environment is reliable.							
Water Supply Master Plan (2040) Update • **Engage and Educate the Community, Local Elected Officials and Staff on Future Water Supply Strategies in Santa Clara County** **WP (WS Strategy #5)**	Annually	11/2019				All Advisory Committees	Provide Link to Report/Agenda Item

FY2019-20 Performance Monitoring Items	Frequency	Planned Board Meeting Dates		Board Committee Work Plan	Board Committee Outcome	Advisory Committee Work Plan	Advisory Committee Out Come
		July-Dec	Jan-June				
Groundwater Management Program Update including Salt/Nutrient Management	Annually		TBD			All Advisory Committees	Provide Link to Agenda Item
E.2.3. Reliable high quality drinking water is delivered.							
E.3.1. Provide natural flood protection for residents, businesses, and visitors.							
E.3.2. Reduce potential for flood damages.							
Winter Preparedness Update	Annually	11/2019				All Advisory Committees	Provide Link to Agenda Item
E.4.1. Protect and restore creek, bay, and other aquatic ecosystems.							
E.4.2. Improved quality of life in Santa Clara County through appropriate public access to trails, open spaces, and District facilities.							
Included in SCW Program Update							
E.4.3. Strive for zero net greenhouse gas emission or carbon neutrality.							
Climate Change Mitigation—Carbon Neutrality by 2020 Program Update	Semi-Annually	TBD	TBD			All Advisory Committees	Provide Link to Agenda Item
Update on Climate Change Adaptation	Semi-Annually	TBD	TBD			All Advisory Committees	Provide Link to Agenda Item
EL-3. Human Resources							
EL-4. Capital Improvement Program							
Advance Anderson Dam Seismic Retrofit Project WP (WS Strategy #6)	Regular Reports to Board and Recommendations as identified		2/4/20	Assigned to CIP		All Advisory Committees	Provide Link to Agenda Item

FY2019-20 Performance Monitoring Items	Frequency	Planned Board Meeting Dates		Board Committee Work Plan	Board Committee Outcome	Advisory Committee Work Plan	Advisory Committee Out Come
		July-Dec	Jan-June				
COE Projects/Partnership Update	Annually		3/2020			All Advisory Committees	Provide Link to Agenda Item
CIP Project Implementation	Regular Reports to Board by CIP			Assigned to CIP		All Advisory Committees	Provide Link to Agenda Item
EL-4. Financial Management							
EL-5. Procurement							
EL-6. Asset Protection							
Asset Management Program (including Dams, Dam Safety, small assets, data/programs)	Annually		5/2020			All Advisory Committees	Provide Link to Agenda Item
Information Technology Master Plan Implementation	Exception Reporting						
Backup Operation Plans for Treatment Plants during power outages; Lessons learned on the HQ Generator Power Test; and Alternative Power Sources	TBD by Board	8/13/19 Closed Session					
District Security Assessment	TBD by Board	9/24/19 Closed Session					

WP – FY20 Board Work Plan

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Santa Clara Valley Water District

File No.: 20-0234

Agenda Date: 2/25/2020
Item No.: 4.2.

BOARD AGENDA MEMORANDUM

SUBJECT:
Review 2020 Capital Improvement Committee Work Plan.

RECOMMENDATION:
Review the 2020 Capital Improvement Program Committee Work Plan, and make adjustments as necessary.

SUMMARY:
Work Plans are created and implemented by all Board Committees to increase Committee efficiency, provide increased public notice of intended Committee discussions, and enable improved follow-up by staff. Work Plans are dynamic documents managed by Committee Chairs and are subject to change. Committee Work Plans also serve to assist to prepare an Annual Committee Accomplishments Reports.

The 2020 Capital Improvement Program Committee (CIP) Work Plan is contained in Attachment 1. Information in this Plan document was provided by staff as follows:

Discussion of topics as stated in the Plan have been described based on information from the following sources:

- Items referred to the Committee by the Board;
- Items requested by the Committee to be brought back by staff;
- Items scheduled for presentation to the full Board of Directors; and
- Items identified by staff.

The 2020 CIP Work Plan contained in Attachment 1 is presented for the Board's review to determine topics for discussion in 2020.

All meetings have been scheduled to occur on the second Monday of each month in 2020 in accordance with the Committee's charter, except for the October meeting, which has been rescheduled to October 19, 2020, due to the holiday schedule.

FINANCIAL IMPACT:
There is no financial impact associated with this item.

CEQA:
The recommended action does not constitute a project under CEQA because it does not have a potential for resulting in direct or reasonably foreseeable indirect physical change in the environment.

ATTACHMENTS:
Attachment 1: 2020 CIP Committee Work Plan

UNCLASSIFIED MANAGER:
Michele King, 408-630-2306

CIP Committee 2020 Workplan

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Capital Project Monitoring												
Construction		X			X			X			X	
Design			X			X			X			X
Planning/Feasibility	X			X			X			X		
Upcoming Consultant Agreement Amendments		X	X									
Contract Compliance Process Review				X								
CIP Implementation												
Review Project Delivery Process for Capital Projects		X		X								
Safe, Clean Water Program - Renewal Measure (Potential Capital Projects)			X									
CIP Development												
CIP Planning Process - Committee Review of Initially Validated Projects									X			
Preliminary CIP Review												X

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Santa Clara Valley Water District

File No.: 20-0192

Agenda Date: 2/25/2020
Item No.: *4.3.

BOARD AGENDA MEMORANDUM

SUBJECT:
Consider Water Storage Exploratory Committee's Recommendation and Associated Staff Analysis from the Committee's Meeting on January 15, 2020.

RECOMMENDATION:

A. Receive and consider recommendation by the Water Storage Exploratory Committee to accelerate the partnerships discussion for the Pacheco Reservoir Expansion Project; and
B. Give direction to CEO regarding acceleration of partnerships discussion for the Pacheco Reservoir Expansion Project.

SUMMARY:
At the Water Storage Exploratory Committee's meeting on Wednesday, January 15, 2020, the Committee took the following action:

Recommendation:
Voted unanimously that the Board consider the Committee's recommendation to the Board to:

1. Accelerate the partnerships discussion for the Pacheco Reservoir Expansion Project.

Staff Analysis:
Staff supports the Committee's recommendation to move forward with exploring Pacheco Reservoir Expansion Project partnership opportunities. Staff will inform the Board periodically on which partners are engaged in discussions on participation in the project. However, the timing of significant partnership discussions with prospective partners will depend on the progress of resolution with State and federal agencies as to the range of allowable operating rules for the reservoir. Partnership opportunities would be attractive only to the extent that reservoir operation has flexibility while still meeting Proposition 1 approved benefits. The majority of benefits to be funded by the State via the Proposition 1 grant are designated as benefits for steelhead in Pacheco Creek and for emergency water supply. The State agencies involved in the administration of public benefit are the Department of Fish and Wildlife, the Department of Water Resources and the California Water Commission. The federal agencies involved are National Marine Fisheries Service, United States Fish and Wildlife Service and the Bureau of Reclamation.

Depending on the scope of partnership opportunities based on agency determinations, staff

anticipates that the partnership-building effort may ramp up to 2,000 hours per year in staff time over the next five years. Also, the effort will likely require financial consultant assistance to develop optional partnership structures, pricing proposals, and term sheets and/or JPA draft agreement. For reference, partnership efforts for the Los Vaqueros Expansion (LVE) project will require over $800,000 in consultant assistance over a span of approximately two years. Although Pacheco partnership efforts and costs may be less than for LVE if the number of partners is smaller, the potential timeline to finalize partnership discussions may exceed that of LVE.

FINANCIAL IMPACT:
There is no significant financial impact associated with this item at this time. As partnership negotiations proceed, a budget adjustment may be required for execution of agreements for financial consultation if insufficient funds exist within the Pacheco Reservoir Expansion Project budget. Alternatively, funds may be budgeted for future fiscal years to cover the partnership negotiations. Over a period of five years, financial consulting may cost up to $800,000.

CEQA:
The recommended action does not constitute a project under CEQA because it does not have a potential for resulting in direct or reasonably foreseeable indirect physical change in the environment.

ATTACHMENTS:
None.

UNCLASSIFIED MANAGER:
Christopher Hakes, 408-630-3796
Garth Hall, 408-630-2750

Santa Clara Valley Water District

File No.: 20-0162

Agenda Date: 2/25/2020
Item No.: *4.4.

BOARD AGENDA MEMORANDUM

SUBJECT:
Board Committee Reports. (PREVIOUSLY LISTED AS ITEM 4.3)

ATTACHMENTS:
*Handout 4.4-A: 022420 AWAC Agenda
*Handout 4.4-B: 021920 BAC Agenda
*Handout 4.4-C: 012720 BPPC Summary
*Handout 4.4-D: 012720 EWRC Summary
*Handout 4.4-E: 012120 RWC Summary
*Handout 4.4-F: 011520 WSEC Summary

Santa Clara Valley Water District
Agricultural Water Advisory Committee Meeting

HQ Building A143
5700 Almaden Expressway
San Jose, CA 95118

SPECIAL MEETING
AGENDA

Monday, February 24, 2020
1:30 PM

District Mission: Provide Silicon Valley safe, clean water for a healthy life, environment and economy.

David Vanni, Chair
Jan Garrod, Vice Chair

BOARD REPRESENTATIVES:
Director Nai Hsueh
Director Richard P. Santos
Director John L. Varela

All public records relating to an item on this agenda, which are not exempt from disclosure pursuant to the California Public Records Act, that are distributed to a majority of the legislative body will be available for public inspection at the Office of the Clerk of the Board at the Santa Clara Valley Water District Headquarters Building, 5700 Almaden Expressway, San Jose, CA 95118, at the same time that the public records are distributed or made available to the legislative body. Santa Clara Valley Water District will make reasonable efforts to accommodate persons with disabilities wishing to attend Board of Directors' meeting. Please advise the Clerk of the Board Office of any special needs by calling (408) 265-2600.

Mr. Jerry De La Piedra
(Staff Liaison)

Ms. Glenna Brambill, (COB Liaison)
Management Analyst II
gbrambill@valleywater.org
1-408-630-2408

Note: The finalized Board Agenda, exception items and supplemental items will be posted prior to the meeting in accordance with the Brown Act.

Santa Clara Valley Water District
Agricultural Water Advisory Committee

SPECIAL MEETING
AGENDA

Monday, February 24, 2020	1:30 PM	HQ Building A143 5700 Almaden Expy San Jose CA 95118

1. CALL TO ORDER:

1.1. Roll Call.

2. TIME OPEN FOR PUBLIC COMMENT ON ANY ITEM NOT ON THE AGENDA.

Notice to the public: This item is reserved for persons desiring to address the Committee on any matter not on this agenda. Members of the public who wish to address the Committee on any item not listed on the agenda should complete a Speaker Form and present it to the Committee Clerk. The Committee Chair will call individuals in turn. Speakers comments should be limited to two minutes or as set by the Chair. The law does not permit Committee action on, or extended discussion of, any item not on the agenda except under special circumstances. If Committee action is requested, the matter may be placed on a future agenda. All comments that require a response will be referred to staff for a reply in writing. The Committee may take action on any item of business appearing on the posted agenda.

3. ACTION ITEMS:

3.1. Review and Comment to the Board on the Fiscal Year 2020-21 Preliminary Groundwater Production Charges. 20-0225

Recommendation: Discuss and consider the attached preliminary groundwater production charge analysis and provide comment to the Board on policy implementation, as necessary.

Manager: Darin Taylor, 408-630-3068

Attachments: Attachment 1: PowerPoint Presentation

Est. Staff Time: 30 Minutes

4. CLERK REVIEW AND CLARIFICATION OF COMMITTEE REQUESTS.

This is an opportunity for the Clerk to review and obtain clarification on any formally moved, seconded, and approved requests and recommendations made by the Committee during the meeting.

5. ADJOURN:

5.1. Adjourn to Regular Meeting at 1:30 p.m., on Monday, April 6, 2020, in the Santa Clara Valley Water District HQ Boardroom, 5700 Almaden Expressway, San Jose, California.

Santa Clara Valley Water District
Board Audit Committee Meeting

Headquarters Building Conference Room A-124
5700 Almaden Expressway
San Jose, CA 95118

2:00 PM REGULAR MEETING
AGENDA

Wednesday, February 19, 2020
2:00 PM

District Mission: Provide Silicon Valley safe, clean water for a healthy life, environment and economy.

BOARD AUDIT COMMITTEE

Barbara Keegan, Chair, District 2
Nai Hsueh, Vice Chair, District 5
Gary Kremen, District 7

All public records relating to an item on this agenda, which are not exempt from disclosure pursuant to the California Public Records Act, that are distributed to a majority of the legislative body will be available for public inspection at the Office of the Clerk of the Board at the Santa Clara Valley Water District Headquarters Building, 5700 Almaden Expressway, San Jose, CA 95118, at the same time that the public records are distributed or made available to the legislative body. Santa Clara Valley Water District will make reasonable efforts to accommodate persons with disabilities wishing to attend Board of Directors' meeting. Please advise the Clerk of the Board Office of any special needs by calling (408) 265-2600.

DARIN TAYLOR
Committee Liaison

MAX OVERLAND
Assistant Deputy Clerk II
Office/Clerk of the Board
(408) 630-2749
moverland@valleywater.org
www.valleywater.org

Note: The finalized Board Agenda, exception items and supplemental items will be posted prior to the meeting in accordance with the Brown Act.

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Santa Clara Valley Water District
Board Audit Committee

2:00 PM REGULAR MEETING
AGENDA

Wednesday, February 19, 2020 **2:00 PM** **Headquarters Building Conference Room A-124**

1. CALL TO ORDER:

1.1. Roll Call.

2. TIME OPEN FOR PUBLIC COMMENT ON ANY ITEM NOT ON THE AGENDA.

Notice to the public: This item is reserved for persons desiring to address the Committee on any matter not on this agenda. Members of the public who wish to address the Committee on any item not listed on the agenda should complete a Speaker Form and present it to the Committee Clerk. The Committee Chair will call individuals in turn. Speakers comments should be limited to three minutes or as set by the Chair. The law does not permit Committee action on, or extended discussion of, any item not on the agenda except under special circumstances. If Committee action is requested, the matter may be placed on a future agenda. All comments that require a response will be referred to staff for a reply in writing. The Committee may take action on any item of business appearing on the posted agenda.

3. APPROVAL OF MINUTES:

3.1. Approval of Minutes. 20-0066

Recommendation: Approve the minutes.
Manager: Michele King, 408-630-2711
Attachments: Attachment 1: 121619 BAC Minutes
Attachment 2: 012220 BAC Minutes
Est. Staff Time: 5 Minutes

4. ACTION ITEMS:

4.1. Election of 2020 Board Audit Committee Vice Chair. 20-0228

Recommendation: Nominate and elect the 2020 Board Audit Committee Vice Chair.
Manager: Michele King, 408-630-2711
Est. Staff Time: 5 Minutes

4.2. Approve the Auditor Response to Final Draft Management Response for the Contract Change Order Audit for Presentation to the Full Board. 20-0188

Recommendation:
A. Receive and discuss the Auditor Response to the Final Draft Management Response to Draft Contract Change Order Audit Report; and
B. Approve the Final Draft Audit Report and Management Response for the Contract Change Order Audit and direct staff and TAP International, Inc. to present to the Full Board at a future Board meeting.

Manager: Darin Taylor, 408-630-3068

Attachments: Attachment 1: Auditor Response to CCO Audit Mgmnt Response

Est. Staff Time: 10 Minutes

4.3. Discuss the Options to Extend, Allow to Expire, or Terminate the Board Independent Auditing Services Agreement, with TAP International, Inc., Set to Expire Effective May 8, 2020. 20-0210

Recommendation:
A. Discuss options to extend, allow to expire, or terminate Board Independent Auditing Services Agreement with TAP International, Inc. for Board Independent Auditing Services currently scheduled to expire effective May 8, 2020; and
B. Approve recommendation to the full Board to:
    i. Exercise option to extend Board Independent Auditing Services Agreement with TAP International, Inc. for one year and increase the not-to-exceed amount by $600,000 from $1,005,000 to $1,605,000;
    ii. Allow the expiration of the Board Independent Auditing Services Agreement with TAP International; or
    iii. Exercise option to terminate the Board Independent Auditing Services Agreement with TAP International, Inc. prior to the expiration date of May 8, 2020.

Manager: Darin Taylor, 408-630-3068

Attachments: Attachment 1: FY2020 Procurement Year-end Deadlines

Est. Staff Time: 5 Minutes

4.4. Conduct Annual Self-Evaluation. 20-0186

Recommendation:
A. Conduct Annual Self-Evaluation; and
B. Prepare Formal Report to Provide to the Full Board.

Manager: Darin Taylor, 408-630-3068

Attachments: Attachment 1: BAC Self-Evaluation Framework

Est. Staff Time: 10 Minutes

4.5. Review and Approve the Updated 2020 Board Audit Committee (BAC) Work Plan. 20-0187

Recommendation:
A. Review and Discuss topics of interest raised at prior Board Audit Committee Meetings and make any necessary adjustments to the Board Audit Committee Work Plan; and
B. Approve the updated 2020 Board Audit Committee Work Plan.

Manager: Darin Taylor, 408-630-3068

Attachments: Attachment 1: 2020 BAC Work Plan

Est. Staff Time: 5 Minutes

5. INFORMATION ITEMS:

5.1. Receive and Discuss Board Auditor Activity Report from TAP International, Inc. to Evaluate Board Auditor Performance. (Continued From January 22, 2020) 20-0176

Recommendation: Receive and Discuss Board Auditor Activity Report from TAP International, Inc. to Evaluate Board Auditor Performance.

Manager: Darin Taylor, 408-630-3068

Attachments: Attachment 1: SCVWD Independent Auditor Annual Performance

Est. Staff Time: 10 Minutes

5.2. Receive and Discuss Financial Analysis Regarding the Board Independent Auditing Services Contract with TAP International, Inc. (Continued from January 22, 2020) 20-0177

Recommendation: Receive and Discuss Financial Analysis Regarding the Board Independent Auditing Services Contract with TAP International, Inc.

Manager: Darin Taylor, 408-630-3068

Attachments: Attachment 1: Financial Analysis

Est. Staff Time: 10 Minutes

5.3. Board Independent Auditor Annual Audit Work Plan - TAP International, Inc. 20-0202

Recommendation: Discuss the Annual Audit Work Plan and update, if necessary.

Manager: Darin Taylor, 408-630-3068

Attachments: Attachment 1: Annual Audit Work Plan

Est. Staff Time: 5 Minutes

5.4. Receive an Update on the Status of the District Counsel Audit. 20-0189

Recommendation: Receive an update on the status of the on-going District Counsel Audit.

Manager: Darin Taylor, 408-630-3068

Attachments: Attachment 1: Distrct Counsel Audit Progress Report

Est. Staff Time: 5 Minutes

5.5. Receive an Update on the Status of the Real Estate Audit. 20-0190

Recommendation: Receive an update on the status of the on-going Real Estate Audit.

Manager: Darin Taylor, 408-630-3068

Attachments: Attachment 1: Real Estate Audit Progress Report

Est. Staff Time: 5 Minutes

5.6. Receive an Update on the Status of the Grant Management Ad-hoc Desk Review. 20-0207

Recommendation: Receive an update on the status of the on-going Grant Management Ad-hoc Desk Review.

Manager: Darin Taylor, 408-630-3068

Attachments: Attachment 1: Grant Management Ad-hoc Desk Review

Est. Staff Time: 5 Minutes

5.7. Receive an Update on the Status of the Hiring Practices Ad-hoc Desk Review. 20-0208

Recommendation: Receive an update on the status of the on-going Hiring Practices Ad-hoc Desk Review.

Manager: Darin Taylor, 408-630-3068

Attachments: Attachment 1: Hiring Practice Ad-hoc Desk Review

Est. Staff Time: 5 Minutes

5.8. Receive an Update on the Status of the Board Agenda Preparation Ad-hoc Desk Review. 20-0209

Recommendation: Receive an update on the status of the on-going Board Agenda Preparation Ad-hoc Desk Review.

Manager: Darin Taylor, 408-630-3068

Attachments: Attachment 1: Board Agenda Preparation Ad-hoc Desk Review

Est. Staff Time: 5 Minutes

5.9. Discuss Potential Recommendation to Board to Authorize Release of Attorney-Client Privileged Documents to Board Independent Auditor. 20-0224

Recommendation: Discuss Potential Recommendation to Board to Authorize Release of Attorney-Client Privileged Documents to Board Independent Auditor.

Manager: Darin Taylor, 408-630-3068

Est. Staff Time: 5 Minutes

6. CLERK REVIEW AND CLARIFICATION OF COMMITTEE REQUESTS.

This is an opportunity for the Clerk to review and obtain clarification on any formally moved, seconded, and approved requests and recommendations made by the Committee during the meeting.

7. ADJOURN:

7.1. Adjourn to Regular Meeting as Set by the Committee.

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*Handout 4.4-C
02/25/20

MEMORANDUM

FC 14 (02-08-19)

TO:	Board of Directors	**FROM**:	Nai Hsueh, BPPC Chairperson
SUBJECT:	Board Policy and Planning Committee (BPPC) January 27, 2020 Meeting Summary	**DATE**:	02/10/20

Update on the Fiscal Year 2020-2021 Board Strategic Planning Meeting.

Mr. Lawrence Grodeska, Co-Founder and Chief Executive Officer at CivicMakers, and the Board strategic planning session on February 18, 2020, provided an updated on the data discovery gathering process and distribution method currently being drafted.

The Committee and staff asked questions and provided feedback on the draft agenda, themes, timeline, engagement process and information distribution approach.

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MEMORANDUM

FC 14 (01-02-07)

TO: Board of Directors

FROM Environmental and Water Resources Committee

SUBJECT: Environmental and Water Resources Committee Meeting Summary for January 27, 2020

DATE: February 25, 2020

This memorandum summarizes agenda items from the regular meeting of the Environmental and Water Resources Committee held on January 27, 2020.

Attendees:
Committee members in attendance were: Bonnie Bamburg, Loren Lewis, Charles Ice, Elizabeth Sarmiento, Hon. Dean Chu, Rev. Jethroe Moore, II, Charles Taylor, Susan Blake, John Bourgeois, Bob Levy, Hon. Tara Martiin-Milius, Marc Rauser, Hon. Patrick S. Kwok, Tess Byler, Stephen A. Jordan and Arthur M. Keller, Ph.D.

Board members in attendance were: Director Tony Estremera, Board Representative, Director Nai Hsueh, Board Alternate and Director Linda J. LeZotte, Board Representative.

Staff members in attendance were: Aaron Baker, Glenna Brambill, Vincent Gin, Garth Hall, Marta Lugo, Brian Mendenhall, Michael Potter and Darin Taylor.

ACTION ITEMS:

4.1 ELECTION OF 2020 CHAIR AND VICE CHAIR
The Environmental and Water Resources Committee by majority vote, approved Arthur M. Keller, Ph.D. as Chair and Rev. Jethroe Moore, II, as Vice Chair for 2020.

5.1. REVIEW AND APPROVE 2019 ANNUAL ACCOMPLISHMENTS REPORT FOR PRESENTATION TO THE BOARD
Ms. Glenna Brambill gave an overview of the Committee's Accomplishments for 2019.

The Committee took the following action:
The Committee by unanimous vote, approved the 2019 Annual Accomplishments Report for Presentation to the Board.

The Board should receive the Committee's report at its March 24, 2020, meeting.

5.2. OPPORTUNITIES TO ENHANCE AND UPDATE THE SAFE, CLEAN WATER AND NATURAL FLOOD PROTECTION PROGRAM BY EVALUATING A FUTURE FUNDING MEASURE
Ms. Marta Lugo reviewed the following:

Summary:
The Safe Clean Water team wishes to share information and receive input from Valley Water's Board advisory committees to keep them apprised of planning for future funding. It is recognized that the committees provide a valuable service to Valley Water with each member bringing expertise and insight that reflect the values of the community at large for their specific committee directives. The team sees

this as the first step of many in engaging the committees as stakeholders in this process that is critical to the future of Valley Water and its projects and programs.

With the upcoming November 2020 elections, staff is exploring the opportunity to place a ballot measure to continue the existing special parcel tax for the Safe, Clean Water Program beyond its current expiration in 2028 in an effort to extend existing funding levels and address additional funding needs. Additionally, this new program could potentially include more multi-benefit projects and strategies to address Board priorities such as infrastructure reliability and climate change adaption.

At the December 10 Board meeting, the Board of Directors provided direction to staff to continue exploring the feasibility of such a funding measure and to bring back information as it relates to what a new program would look like. Staff is now seeking input from the advisory committees.

Current Safe Clean Water Program
Overwhelmingly approved by voters, the Safe, Clean Water and Natural Flood Protection Program (Safe, Clean Water Program) is a 15-year strategy to ensure uninterrupted water resources services in Santa Clara County. The program was developed through community collaboration and input from residents and stakeholders that identified five top community priorities:

Priority A: Ensure a Safe, Reliable Water Supply
Priority B: Reduce Toxins, Hazards, and Contaminants from our Waterways
Priority C: Protect our Water Supply from Earthquakes and Natural Disasters
Priority D: Restore Wildlife Habitat and Provide for Open Space
Priority E: Provide Flood Protection to Homes, Business, Schools and Highways

In November 2012, Santa Clara County voters passed the Safe, Clean Water ballot measure by nearly 74%, extending the funding at the same parcel tax rate approved under the previous Clean, Safe, Creek and Natural Flood Protection Plan (Clean, Safe Creeks Plan).

Currently, the Safe, Clean Water Program special parcel tax includes five (5) types of parcels that cover categories for commercial/ industrial, institutional purposes such as churches, schools or multiple dwellings exceeding four units, single-family residential and multi-family units up to four, agricultural, and nonutilized urban and rural areas. A sixth category, parcels used exclusively as well sites for residential use, is exempt from the special parcel tax. An annual escalator is also included to account for the effects of inflation. Santa Clara Valley Water District (Valley Water) Board of Directors may adjust the special tax amounts annually by the change in the San Francisco-Oakland-San Jose Consumer Price Index for all Urban Consumers (CPI-U), or 3%, whichever is greater.

The current FY20 annual tax rate for the average single-family residence stands at $67.67. In FY21, the Board may consider increasing the tax to $69.70 based on the consumer price index increase in costs for performing the functions of the program.

Current Program Needs and Opportunities
In the face of new challenges due to climate change, population/economic growth and future uncertainties with imported water supplies, it is imperative for Valley Water to plan, adapt, build, and upgrade its water resources systems by investing in existing and new programs that will help meet the future challenges of tomorrow. Currently, there is an opportunity to put a ballot measure in front of voters to extend the Safe, Clean Water Program which sunsets on June 30, 2028, and funds approximately one-third of the existing watershed and stewardship budgeted programs.

The existing Safe, Clean Water Program has priorities that could be enhanced to address several existing and new challenges, including the opportunity to develop more multi-benefit projects that provide enhanced environmental benefits, and providing needed funding for several large infrastructure and flood protection projects.

Furthermore, with increased homeless encampments along our creeks and waterways, water quality will remain a top priority. A new program will enable Valley Water to adequately address such existing challenges that have significant impacts to our water quality, as well as new and emerging threats. Valley Water must remain well-equipped to address all water quality issues to continue providing safe, clean water to our entire community.

In addition, a new program would allow Valley Water to better adapt and meet the growing challenges that stem from climate change and extreme weather patterns, such as severe drought, flooding and wildfires. Climate change adaptation needs to be integrated across projects to include upgrading aging infrastructure; expanding water storage; securing locally-controlled, reliable and sustainable water supplies; increasing and expanding flood protection for homes, businesses, and schools, as well as addressing sea-level rise. Each of these priorities will require significant mitigation, along with ongoing infrastructure maintenance and vegetation and sediment removal. This work is more critical than ever as we face increased flooding and wildfire threats.

Some of the key projects that have been identified as prime candidates for additional enhancements or funding under the new program are:

- *Anderson Dam Seismic Retrofit*
- *Pacheco Reservoir Expansion*
- *Almaden Valley Pipeline Replacement Project*
- *Coyote Creek Flood Protection Project*
- *Upper Penitencia Creek Flood Protection Project*
- *San Francisquito Creek Flood Protection Project*
- *Upper Llagas Creek Flood Protection Project*
- *Upper Guadalupe Flood Protection Project*
- *San Francisco Bay Shoreline Flood Protection*
- *Stevens Creek Fish Passage Barrier Removal*
- *Creek Cleanups and Homeless Encampments*

Project Priorities and Initial Gap Assessment
Staff has begun the process for a preliminary identification of needs and opportunities in November 2019. The identified needs and opportunities represent a range of candidate projects and programs that could be undertaken. The development of needs and opportunities is in effect the “gap” analysis to identify those areas where the current Safe, Clean Water Program could benefit from additional funding for existing projects over the next planning horizon, along with potential new projects that could benefit the community. The identified opportunities are included below and will be further refined. Staff is seeking input from the advisory committees on such priorities that they would like staff to investigate and consider.

Priority A: Ensure a Safe, Reliable Water Supply

- Safe Clean Water Partnerships and Grants – Continue and Enhance
- Pipeline Reliability Project – Continue and Enhance

Priority A Newly Identified Opportunities
Staff is exploring the feasibility of adding, replacing, enhancing or expanding the following new concepts:

- Pacheco Reservoir Expansion
- Water Conservation Rebate Program

Priority B: Reduce Toxins, Hazards, and Contaminates from our Waterways

- Impaired Water Bodies Improvement – Continue
- Interagency Urban Runoff Program – Continue

- Pollution Prevention Partnerships and Grants – Continue and Enhance
- Good Neighbor Program: Encampment Cleanup – Continue and Enhance
- Hazardous Materials Management and Response – Continue
- Good Neighbor Program: Remove Graffiti and Litter – Continue
- Support Volunteer Cleanup Efforts and Education – Continue and Enhance

Priority B Newly Identified Opportunities

Staff is exploring the feasibility of adding, replacing, enhancing or expanding the following new concepts:

- Green Stormwater Infrastructure Projects
- Good Neighbor Public Arts Program

Priority C: Protect our Water Supply from Earthquakes and Natural Disasters

- Anderson Dam Seismic Retrofit – Continue and Enhance
- Emergency Response Upgrades – Continue and Enhance

Priority C Newly Identified Opportunities

Staff is exploring the feasibility of adding, replacing, enhancing or expanding the following new concepts:

- Dam Safety Program Seismic Retrofit Projects
- Almaden Valley Pipeline Replacement Project

Priority D: Restore Wildlife Habitat and Provide for Open Space

- Management of Riparian Vegetation Projects – Continue and Enhance
- Revitalize Stream, Upland and Wetland Habitat – Continue and Enhance
- Grants and Partnerships to Restore Wildlife Habitat/ Provide Access to Trails – Continue and Enhance
- Fish Habitat and Passage Improvements
    - Almaden Creek-Lake Separation – Continue and Enhance
    - Fish Passage Improvements – Continue and Enhance
    - Install Large/Woody Debris and Gravel Augmentation – Continue and Enhance
- Ecological Data Collection and Analysis – Continue and Enhance
- Creek Restoration and Stabilization
    - Hale Creek – Continue and Enhance
- Partnerships for the Conservation of Habitat Lands – Continue and Enhance
- South Bay Salt Ponds Restoration Partnership – Continue

Priority D Newly Identified Opportunities

Staff is exploring the feasibility of adding, replacing, enhancing or expanding the following new concepts:

- Coyote Valley Partnership
- Lands Management – Land acquisition for strategic floodplain management, access for operations, mitigation efforts, and habitat connectivity.
- Calabazas – San Tomas Aquino Creeks Realignment Project
- Coyote Creek Riparian and Aquatic Enhancements
- Coyote Meadows Habitat and Floodplain Enhancements

Priority E: Provide Flood Protection to Homes, Business, Schools and Highways

- Vegetation Control and Sediment Removal for Flood Protection – Continue and Enhance

- Emergency Response Planning – Continue and Enhance
- Flood Risk Reduction Studies – Continue and Enhance
- Upper Penitencia Creek Flood Project – Additional funding
- San Francisquito Creek Flood Protection – Additional funding
- Upper Llagas Creek Flood Protection – Additional funding
- San Francisco Bay Shoreline Protection – Additional funding
- Upper Guadalupe River Flood Protection – Additional funding

Continued Clean, Safe Creeks Projects

- Sunnyvale East and Sunnyvale West Channels Flood Protection – Continue
- Coyote Creek Flood Protection – Additional funding

Priority E Newly Identified Opportunities

Staff is exploring the feasibility of adding, replacing, enhancing or expanding the following new concepts:

- Ross Creek Flood Protection
- Upper Berryessa Creek (680 to Old Piedmont)
- 5-year O&M Plan identified activities
- Thompson Creek Sediment and Erosion Management
- Watersheds Asset Reliability Program – prioritize/ improve reaches in need of rehabilitation

NEXT STEPS

Program Development

Under the Board's direction, staff is exploring the feasibility of this effort, including how to enhance and update the program that is inclusive of the community's desire and values. As part of this effort, an agency-wide internal Steering Committee with functional task groups has been assembled and key program staff have been identified to assist with internal project teams to start developing an updated community plan to refine priorities. These priorities, along with financial analysis models to further refine program funding estimates, will be further developed between mid-December 2019 and May 2020.

Community and Stakeholder Outreach

To achieve public consent on any future program, which may go to the voters, staff will lead a broad public participation effort. This effort will allow for the public to provide input on their interests and values for the new program, including recommended project outcomes. This input will aid staff in developing a draft community preferred program.

Staff will fine tune the priorities and projects through a series of broad outreach efforts, such as Board advisory committees and a blue-ribbon stakeholder roundtable (anticipated to be held in February 2020).

Additionally, staff will develop other outreach tools and strategies to solicit programmatic input for the Board's consideration. Based on information gathered from the community and stakeholders, staff will prepare a report for the Board on the community preferred program, for the Board's consideration for the November 2020 ballot.

The Committee (Ms. Tess Byler, Mr. Steve Jordan, Mr. Bob Levy, Mr. John Bourgeois, Mr. Marc Rauser, Hon. Dean Chu, Arthur M. Keller, Ph.D., Mr. Charles Ice, Ms. Elizabeth Sarmiento and Director Nai Hsueh) discussed the following issues/concerns: Blue Ribbon stakeholder meeting, why try to place on ballot now, current program, funding measure votes needed, survey/extensive outreach, agricultural rate stabilization, setting aside specific funds for program, project(s) expenses, relabel priorities for climate change issues/concerns, flood protection issues and Coyote Creek project completed.

The Committee took no action.

5.5. REVIEW AND COMMENT TO THE BOARD ON THE FISCAL YEAR 2020-21 PRELIMINARY GROUNDWATER PRODUCTION CHARGES

Mr. Darin Taylor reported on the following:

Summary:

Summary of Groundwater Production Charge Analysis:

Staff has prepared the preliminary FY 2020-21 groundwater production charge analysis, which includes several scenarios for Board review. Staff has developed a baseline scenario that aligns with the 80% level of service goals per the Water Supply Master Plan approved by the Board in November 2019, along with several other scenarios for Board consideration. Staff is seeking Board input on the preliminary analysis to incorporate into the development of the groundwater production charge recommendation.

The groundwater production charge recommendation will be detailed in the Annual Report on the Protection and Augmentation of Water Supplies that is planned to be filed with the Clerk of the Board on February 28, 2020. The public hearing on groundwater production charges is scheduled to open on April 14, 2020. It is anticipated that the Board would set the FY 2020-21 groundwater production charges by May 12, 2020, that would become effective on July 1, 2020.

The FY 2020-21 groundwater production charge and surface water charge setting process will be conducted consistent with the District Act, and Board resolutions 99-21 and 12-10.

Water Use Assumptions

District managed water use for FY 2018-19 is estimated to be approximately 208,000 acre-feet (AF), roughly 19,000 AF lower than budgeted due to a wet winter and wet spring. If the wet winter and wet spring were to repeat for the current year FY 2019-20, then there would be a 30,000 AF water usage shortfall versus budget, which would translate to an estimated $40 million revenue shortfall. Wet springs have happened roughly 30% of the time over the past two decades, so the likelihood of a repeat is low but still possible. The current water demand projection for FY 2020-21 is 251,000 AF, which is approximately a 21% increase compared to the FY 2018-2019 estimate. Staff believes that the water demand projection should be adjusted downward to 230,000 AF for FY 2020-21. This adjustment would better align with the FY 2017-18 actuals (which did not include a wet spring) and includes consideration for the impact of ramping up production at San Jose Water Company's Montevina Treatment Plant, which uses non-District sourced water. The preliminary groundwater charge scenarios discussed in the following section are based on a reduced water demand projection of 230,000 AF in FY 2020-21, and then assumes a very small amount of growth in the following years.

Staff will continue to carefully monitor monthly water use actuals and work closely with the water retailers during the upcoming rate setting process to modify the water usage forecast as necessary.

Newly Proposed Water Supply Projects

On November 20, 2019, the Board approved the Water Supply Master Plan 2040, which identified a suite of investments to meet long-term water supply reliability goals. The WSMP's sustainability strategy emphasized the need to secure existing supplies and infrastructure. However, this plan did not evaluate the utility infrastructure needs; this evaluation has not taken place since 2011. Valley Water continues to experience greater constraints on system operations (including recent Public Safety Power Shutoffs), and infrastructure is aging/obsolete and needs to be replaced (e.g., SCADA, Almaden Valley Pipeline).

Therefore, to ensure all the conveyance, treatment, and distribution systems are ready to deliver on those future investments, staff has identified the following three new projects:

1. Supervisory Control and Data Acquisition (SCADA) Implementation Project,

2. Water Treatment Plant Implementation Project, and
3. Distribution System Implementation Project.

The three projects referenced above are aligned with the WSMP's sustainability strategy. However, as a result of the parallel timelines, the three projects were not included in the FY 2021-25 Preliminary CIP, but can be added into the Draft FY 2021-25 CIP upon Board direction.

Additional information about the scope of work, deliverables, schedule, and resource needs for each new project is provided below:

SCADA Implementation Project

Valley Water's process control and SCADA systems, which serve a pivotal role in monitoring and controlling the raw water conveyance system (including reservoirs and pumping plants), treatment plants and distribution systems are aging and in need of 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 and SCADA systems contain important data used by Operations, Maintenance, Water Quality, Management and other Engineering staff for operations, reporting, analysis, and planning purposes; and expanded access to the data systems is needed.

The objectives of the project are to prepare an update to the process control systems/SCADA master plan (2011), recommend a coordinated suite of improvement projects (projects implementation plan) for the Board's consideration, produce detailed design and implementation standards for the new projects, develop the new projects through conceptual design, and provide owner's engineering support for new projects through construction.

It is anticipated that the project will start in FY 2021 and take 15 years to complete. The first three years of the project will be focused on bringing the updated master plan and suite of new projects with an implementation plan to the Board, at a budgeted cost of $6.7 million (which includes $3.3 million in consultant cost, along with staff resources for project engineering, and key partner and stakeholder participation). The remainder of the project, through FY 2035, will consist of the design and construction of the recommended replacement and upgrade projects themselves, with Board check-ins and approvals for each as they are initiated.

Water Treatment Plant Implementation Project

The infrastructure needs for the water treatment plants (WTPs) have been developed over the years through a number of planning documents focused on specific process areas, and not through an integrated master implementation plan. As a result, projects are often piecemealed for specific needs, needing frequent rebuilds or upgrades due to adjacent processes or regulatory requirements changes. There is a need to develop a comprehensive implementation plan that coordinates regulatory-driven changes with aging infrastructure needs and other operational improvements for the WTPs as well as integrates with the recently completed Water Supply Master Plan.

The WTP Implementation Project will prepare an implementation plan over the next 30 years to identify projects needed to repair, replace, and/or upgrade Valley Water's WTP infrastructures; address the increasingly stringent water quality regulations; and prepare to implement projects that the Board approves. The implementation plan will also conclude with a programmatic EIR. Facilities include the Rinconada, Santa Teresa, Penitencia WTPs and the Purification Center.

It is anticipated that the project will start in FY 2021 and take three years to complete. The estimated cost of the project is $8.4 million (which includes $6 million in consultant cost, along with staff resources for dedicated project management and project engineering, and for key partner and stakeholder participation).

Distribution System Implementation Project

Valley Water has not conducted a comprehensive evaluation of its distribution system (raw and treated water pipelines) in recent history. With the recently completed Water Supply Master Plan, there is a need to develop a comprehensive Distribution Systems Implementation Plan (DSMP) looking out 30 years to identify improvements to Valley Water's raw and treated water systems based on current demands, future growth, and emergencies.

The DSMP will provide significant insights, analysis tools for Valley Water's raw and treated water distribution systems to ensure that the distribution system infrastructure is appropriately sized to accommodate new supplies as they are brought online, retailer needs, recommend direct capital actions needed to protect existing distribution systems, and will conclude with a programmatic EIR.

It is anticipated that the project will start in FY 2021 and take three years to complete. The estimated cost of the project is $8.1 million (which includes $6 million in consultant cost, along with staff resources for dedicated modeling analysis and evaluation, project engineering support, and for key partner and stakeholder participation).

Groundwater Production Charge Projections

Staff has prepared several preliminary groundwater production charge projection scenarios for Board review. The increase in the North County Municipal and Industrial (M&I) groundwater production charge ranges from 8.1% to 8.7% for FY 2020-21 depending on the scenario, and from 4.7% to 5.3% in the South County.

The overall impact of the preliminary analysis scenarios for FY 2020-21 to the average household would be an increase ranging from $3.83 to $4.12 per month in North County and from $0.78 to $0.88 per month in South County.

Staff proposes to increase the Contract Treated Water Surcharge from $100/AF to $200/AF to encourage retailers to continue investing in groundwater wells. Staff is concerned about increased retailer interest in reliance on treated water relative to groundwater due to the increased life-cycle cost of groundwater wells. Groundwater provides 40% of water used in the county and is the largest emergency supply. It is important that treated water retailers maintain groundwater wells for routine use as well as use during an emergency.

Staff has prepared the following scenarios for Board consideration:

Scenario 1) Baseline: Water Supply Master Plan (WSMP) 80% Level of Service (LOS)

This scenario includes the following projects and assumptions:

- Baseline Projects according to the WSMP including the Almaden Valley Pipeline Replacement, Land Rights – South County Recycled Water Pipeline, and Supervisory Control and Data Acquisition (SCADA)/Water Treatment Plant/ Distribution System Implementation Projects;
- Delta Conveyance (State side only);
- No Regrets Package projects;
- Potable Reuse Phase 1 to produce 24,000 AF (assume operations start in FY 28);
- Pacheco Reservoir Expansion (assumes $485M Proposition 1 grant, $250M of WIIN Act Funding, 20% Partnerships);
- Transfer-Bethany Pipeline;
- South County Recharge (assume facilities built beyond FY 2029-30);
- $200M warranty placeholder cost for dams and Water Treatment Plants.

Scenario 2) No WIIN Act Funding

Includes the same projects and assumptions as Scenario 1 except as follows:

- Assumes $0 WIIN Act Funding instead of $250M.

Scenario 3) Revised Purified Water Program
Includes the same projects and assumptions as Scenario 2 except as follows:

- Replaces Potable Reuse Phase 1 placeholder project with a $614M Potable Reuse Project based on the recently signed agreement with Palo Alto and Mountain View to produce 13KAF by FY 30, and;
- Assumes that the District builds, finances and operates the facilities (i.e. not delivered via a Public-Private Partnership or P3) and therefore the P3 reserve is eliminated.

Scenario 4) Add Delta Conveyance Central Valley Project (CVP) side investment
Includes the same projects and assumptions as Scenario 3 except as follows:

- Adds the Delta Conveyance CVP side costs.

Staff can model additional scenarios for the Board as needed.

It should be noted that Investment Scenario 3 replaces the Potable Reuse Phase 1 placeholder project, which would produce 24KAF by FY 28, with a $614M Potable Reuse Project based on the recently signed agreement with Palo Alto/Mountain View to produce 10 to 13KAF by FY 30. This revised Potable Reuse Project under Scenario 3 would meet the 80% level of service goal (note that the Baseline scenario slightly exceeded the 80% LOS goal, due to future uncertainties discussed with the Board in 2019). The cost estimate for the revised Potable Reuse Project is based on an indirect potable reuse (IPR) project, but it could potentially be a direct potable reuse (DPR) project. Regulations for DPR are expected by the end of 2023, and draft regulations are expected to be released sometime in 2022. A DPR project may lower total cost due to avoiding long pipelines to recharge areas.

There are a couple of strategic options for the Board to consider:

1. Given the reduced near-term water usage projection, the Board could wait until the Fall of 2020 for the Monitoring and Assessment Plan (MAP) review to determine if a water supply shortfall exists relative to achieving the 80% level of service goal.
2. Pursue substitute water supply investment to make up the 11 to 14KAF shortfall (including incremental purified water investments, incremental Delta Conveyance “CVP side” investments, and/or investments in Sites or Los Vaqueros water storage projects).

Transition to modified Groundwater Benefit Zones
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), effective July 1, 2020. New metes and bounds (the legal description that defines the boundaries of the zones) will be developed for Board consideration in accordance with Santa Clara Valley Water District Act requirements. Accordingly, staff has engaged Raftelis Financial Consultants to assist with analyzing cost allocations between the modified zones that would support corresponding modified groundwater charges for each zone for FY 2020-21. As of the preparation of this memo, staff is still working on the cost allocations between the modified zones in the South County area (Zones W-5, W-7 and W-8).

Other Assumptions
All scenarios assume the continued practice of relying on the State Water Project (SWP) Tax to pay for 100% of the SWP contractual obligations. Pursuant to Water Code Section 11652, the District, whenever necessary, is required to levy on all property in its jurisdiction not exempt from taxation, a tax sufficient to provide for all payments under its SWP contract with the California Department of Water Resources (DWR). All scenarios assume no change in the SWP Tax for FY 2020-21, which would remain at $18M. The SWP Tax for the average household in Santa Clara would remain at about $27 per year.

All scenarios also assume the continued practice to set the South County agricultural groundwater production charge at 6% of the M&I charge until FY 2022.

A Drought Reserve was established in FY 2015-16 and was budgeted at $10M for FY 2019-20. No further funding for this reserve is included in the preliminary analysis. The purpose of this reserve would be to help minimize rate impacts during the next drought and would complement the Supplemental Water Supply Reserve. The preliminary analysis also includes a P3 reserve of $10M in FY 2020-21 under Scenarios 1 and 2, which is adjusted to $0 under Scenarios 3 and 4. The purpose of this reserve would be to help minimize the impact of unforeseen events associated with the delivery of the Purified Water Program via a public-private partnership or P3. The preliminary analysis does not include unfunded capital projects or additional unfunded operations cost needs identified by staff.

All scenarios assume Water Utility operations cost of $208.7M in FY 2020-21 versus the FY 2019-20 adopted budget of $184.9M.

A PowerPoint presentation will be provided at the meeting.

The Committee (Arthur M. Keller, Ph.D., Ms. Tess Byler, Mr. Steve Jordan, Mr. Marc Rauser, Mr. Charles Ice, Hon. Dean Chu, Ms. Elizabeth Sarmiento, Ms. Bonnie Bamburg) discussed the following issues/concerns: gap funding calculation, 3 new master plans, Transfer Bethany Pipeline/Los Vaqueros Expansion projects, wells in or out of zones, preparing for April Charges discussions, treated water surcharges, optimization, recycle water/balancing rates, direct/indirect potable water, groundwater, concern with the summary-on what was approved in 2020's budget-increase ($3.00), charges are being increased because of reduction of base, annual rate model/surplus, water conservation/revenue sales of water (reduction of water usage) and projections being utilized (trends).

Comments to the Board: Continue Water Usage Reduction, use #3b scenario-wait for the fall 2020 on Monitoring Assessment Plan, don't assume another P3 (recent signing of Palo Alto/Mtn View), wait for it to play out,-see what happens, do not get involved with the Delta/CVP and continue with Sites and LVE.

The Committee took no action.

6.1 STANDING ITEMS REPORT

Chair Arthur M. Keller, Ph.D. reviewed the following standing agenda items.

Summary:
The Environmental and Water Resources Committee was established to assist the Board with policy review and development, provide comment on activities in the implementation of the District mission, and to identify Board-related issues.

On March 12, 2019, the Board of Directors approved aligning the Board Advisory Committees' agendas and work plans with the Board's yearly work plan.

The new agenda format will allow regular reports on the Board's priorities from the Board's committees and/or Board committee representative and identify subjects where the committees could provide advice to the Board on pre-identified subjects in a timely manner to meet the Board's schedule, and distribute information/reports that may be of interest to committee members.

For the Environmental and Water Resources Committee to receive information on the Board's priorities on the following subjects:

The Committee took no action.

The next scheduled meeting is Monday, April 20, 2020, 6:00 p.m., in the Valley Water Headquarters Boardroom.

If you have any questions or concerns, you may contact me at, gbrambill@valleywater.org or 1.408.630.2408.

Thank you.

Glenna Brambill, Management Analyst II,
Board Committee Liaison
Office of the Clerk of the Board

*Handout 4.4-E
02/25/20

Valley Water

MEMORANDUM

FC 14 (01-02-07)

TO: Board of Directors **FROM**: Recycled Water Committee

SUBJECT: 01/21/20 RWC Committee Meeting Summary **DATE**: February 25, 2020

This memorandum summarizes the Recycled Water Committee (Committee) meeting held on January 21, 2020, where the following workplan items were discussed:

3.1 Approval of Minutes.

The Committee unanimously considered the Minutes of the August 14, 2019 meeting.

4.1 Election of 2020 Recycled Water Committee Chairperson and Vice Chairperson.

The Committee unanimously carried that Director Estremera as 2020 Chairperson and Director Keegan as Vice Chairperson.

4.2 Update on Countywide Reuse Master Plan (Reuse Master Plan).

The Committee made the following requests:

- Staff is to provide the Committee with information on the ratepayer advocate participant in the Project Partner Group;
- Staff is to identify and include in the Countywide Reuse Master Plan, constraints and obstacles on making strategic decisions; and
- Staff is to provide clear definition of the limits that affect timelines, and affordability of implementing the recycled water program projects.

4.3 Update on Reverse Osmosis Concentrate Management Plan (ROCM) Plan.

This item was not discussed and was moved to a future meeting.

4.4 Roadmap for Potable Reuse Development.

It was moved by Director Keegan, seconded by Director Kremen, and unanimously carried that the Committee authorize staff during their January 28, 2020 presentation to the full Board of Directors regarding water rate scenarios, to also present the Committee's recommendation that a letter be drafted to the Cities of San Jose and Sunnyvale and the south county water recycling partner agencies, regarding the commitment needed to reach the December 2020 completion date of the Countywide Reuse Master Plan.

The Committee made the following requests:

- Staff is to come back with an update on the rate-setting scenarios described in Attachment 1, Slide 9, that incorporates the P3 program and includes the Cities of San Jose and Sunnyvale and South County on a reduced program, and with a $200 million placeholder for potential additional investments; and

- Staff is to update the Project Partners Group on out-of-county recycled water projects, such as desalination, brackish water, and recycled refinery water projects, and include them in the rate setting scenarios.

4.5 Review and Authorize the Chair to Present the 2019 Recycled Water Committee Accomplishments Report to the Board and Discuss the 2020 Recycled Water Committee Work Plan and Meeting Schedule.

The Committee approved, without formal action, the proposed meeting schedule for 2020 with comments that some meeting dates may be rescheduled due to external commitments by some Committee members; and made the following requests:

- Staff is to agendize Centralized and Decentralized Reuse in February 2020, and a P3 program update on April 2020; and

- Staff is to invite P3 short-listed entities to the April 2020 Committee meeting.

The next regular Committee meeting will be held on February 26, 2020.

Board member comments and suggestions can be forwarded to Ms. Eva Sans, Assistant Deputy Clerk II, at (408) 630-2306, or by email to esans@valleywater.org

Tony Estremera

Director, District 6
Recycled Water Committee Chairperson

MEMORANDUM

FC 14 (01-02-07)

TO: Board of Directors

FROM Water Storage Exploratory Committee

SUBJECT: Water Storage Exploratory Committee Meeting Summary for January 15, 2020

DATE: February 25, 2020

This memorandum summarizes agenda items from the regular meeting of the Water Storage Exploratory Committee held on January 15, 2020.

Attendees:

Valley Water Board Members in attendance were: Director Gary Kremen-District 7, Director Richard P. Santos-District 3, and Director John L. Varela-District 1.

Valley Water Staff in attendance were: Bradly Arnold, Glenna Brambill, Jerry De La Piedra, Andrew Garcia, Garth Hall, Nina Hawk, Brian Hopper, Dana Jacobson, Eric Leitterman, Kathleen Low, Bill Magleby, Ryan McCarter, Steven Peters, Metra Richert, Eli Serrano, Charlene Sun and Beckie Zisser.

Guests in attendance were: Maureen Martin, Ph.D. (Contra Costa Water District-CCWD, Steve Jordan and Tim Francis (BAWSCA) and Katja Irvin (Sierra Club-Loma Prieta Chapter).

INFORMATION ITEMS:

5.1 STANDING ITEMS INFORMATION

Mr. Bradly Arnold review the following:

1. Update on Los Vaqueros Reservoir Expansion Project (LVE) Transfer Bethany Pipeline (TBP) (Metra Richert) and Update on Management of South Bay Aqueduct (SBA) Facilities (Erin Baker)

Report:

- Valley Water staff attended the Joint Powers Authority (JPA) and Service Agreement (i.e., term sheet) workshop held by Clean Energy Capital (CEC) and Contra Costa Water District (CCWD). Topics discussed included the allocation of fixed and variable costs, Local Agency Partner (LAP) creditworthiness, and other project cost-related topics; as well as the term and post-term of the agreement, off-ramps, and services to be provided.
- Independent reviewers of the project (existing facility) usage fees released a draft evaluation report to the LAPs and facility owners CCWD and East Bay Municipal Utility District (EBMUD). The report provides commentary on the calculation and application of various fee components proposed by CCWD and EBMUD. The final report is expected to be circulated by early 2020.
- Selection of legal counsel to develop the draft JPA formation documents is underway, and expected to be complete in December.
- Staff are evaluating Bay Area Water Supply & Conservation Agency (BAWSCA)/San Francisco Public Utilities Commission request to convey, treat and transfer their LVE Project water through the South Bay Aqueduct (SBA), Valley Water's Water Treatment Plants, and the Milpitas Intertie. Several concept scenarios have been provided to Valley Water staff for analysis, many which differ in timing and reliance on SBA and Valley Water facilities. Staff have requested additional details and refined scenarios from SFPUC and BAWSCA.
- Valley Water executive management met with General Managers of other LAPs on December 9, 2019 to discuss proposed use of SBA facilities to convey LVE project water for BAWSCA and SFPUC. The meeting focused on discussion of current SBA infrastructure conditions and assessments, and the potential issues with increased reliance on the SBA given current facility limitations (e.g., reduced operational capacity).
- Valley Water staff is coordinating a meeting between DWR Director Karla Nemeth, the South Bay Aqueduct Contractors (SBC), and other Los Vaqueros Expansion project partners including BAWSCA

and SFPUC to discuss the use of the South Bay Aqueduct for the LVE project. Additionally, the SBC are working to hire a consultant to assess available SBA capacity to use as part of the LVE project.

2. Lake Del Valle (Cindy Kao)
   Report: There is nothing to report at this time.

3. Del Puerto (Cindy Kao)
   Report: There is nothing to report at this time.

4. Water Banking Opportunities including but not limited to Pleasant Valley Water District (Cindy Kao)
   Report: See Agenda Item 6.1.

5. Pacheco (Christopher Hakes)
   Report: There is nothing to report at this time.

6. Semitropic (Cindy Kao)
   Report: Staff will be giving a verbal update at the January 15, 2020, meeting.

7. Sites (Cindy Kao)
   Report: Staff will be giving a verbal update at the January 15, 2020, meeting.

8. San Luis Reservoir Low Point (Christopher Hakes)
   Report: There is nothing to report at this time.

9. B.F. Sisk Dam Raise Project (Cindy Kao)
   Report: Staff will be giving a verbal update at the January 15, 2020, meeting.

10. Shasta (Cindy Kao)
    Report: There is nothing to report at this time.

The Committee discussed the following: LVE user groups/fees, final report review, hiring of attorney for the JPA, Transfer Bethany Pipeline (TBP) are investing in TBP or TBP storage ("bookends"), timelines, limitations, Prop 1 funding, current SBA Leak-fixing per schedule and partners—range of volume/capacity (BAWSCA-scenario).

Ms. Metra Richert, Maureen Martin, Ph.D. Mr. Garth Hall and Mr. Jerry De La Piedra were available to answer questions.

Mr. Jerry De La Piedra introduced newest staff, Mr. Andrew Garcia who reported on Del Puerto, estimate 82,000 acre-feet of new off stream storage-CVP-worth estimate $420 m-current partners are Del Puerto and San Joaquin River Exchange Contractors Water Authority, draft EIR, project development, design and land acquisition and construction 6 years and Del Puerto received $1.5 mil federal funding.

The Committee discussed the following: location-off I 5 by City of Patterson, potential opposition and Ms. Katja Irvin responded on behalf of Sierra Club-Loma Prieta Chapter.

Dr. Maureen Martin reported on the Transfer Bethany Pipeline (TBP)-benefits-references start and end of the pipeline, CCWD project is to connect their transfer station tie into the TBP and SBA, Prop 1 funding and environmental benefit-improve some mechanical features/small reduction of intake of salmonid and major water supply for wildlife refuges in Central Valley south of the Delta, adds additional points of diversion for Valley Water Climate change/sea level rise and salination in the Delta. Bring desalination pilot study report to Committee.

Ms. Katja Irvin would like to receive updates on Pacheco.

Mr. Ryan McCarter gave update on Pacheco's environmental benefits which is habitat improvement for steelhead in releasing more water to enhance habitat Pacheco Creek runs in Pajaro River, colder water temperatures sustains the reproductive cycle of the species (public benefits as filed with Prop 1 funding).

Potential private investments need an update for next meeting.

Ms. Nina Hawk was available to answer questions.

The Committee took the following action:
The Committee voted unanimously to recommend that the Board consider accelerating the partnerships discussions for Pacheco Project.

Mr. Bradly Arnold reported on Semitropic update, as of October 31, 2019, there is full 350,000 in semitropic bank in Kern County, Valley Water staff worked with Zone 7 and Alameda County Water District to meet with Jason Gianquinto (General Manager of Semitropic) discussed future banking operations over SGMA, GSP content and submission Kern Groundwater Authority (KGA) to DWR, Semitropic with KGA, there is a MOU in place semitropic would maintain authority with enforcement activities of SGMA, staff attending Semitropic/KGA meetings, 3rd party banking concepts letter and Semitropic contract sunsets December 2035.

Mr. Eric Leitterman reported on, Sites Reservoir update, project description being updated and will be a smaller/less expensive project, funding decisions, amendment to extend current project agreement at no cost through June 30, 2020, received additional $6 mil for project, Governor's New Year's release as a smart storage project could benefit water supply and the environment. Ms. Nina Hawk reported on the visit to Sites Reservoir and a potential Joint Board Meeting, strategic planning, Prop 1 funding and partnerships.

Ms. Beckie Zisser available to answer questions.

Mr. Dana Jacobson reported on, B.F. Sisk Dam Raise Project, beginning in 2007 Reclamation/DWR assessed seismic stability concerns, preferred alternative is to raise dam 12 feet, sure up embankment dam, extend for additional water supply storage, technical memorandum, modeling to determine potential benefits and staff will bring updated information at a later date.

Mr. Andrew Garcia reported on the Shasta Dam Raise Project, in November 2019 Westlands Water District signed a stipulation barring them from participating in the project resulting from the Attorney General's lawsuit, Reclamation is searching for non-federal/non-state partners - potentially a public private partnership (50% requirement), and project is on hold pending an executed record of decision.

ACTION ITEMS:
6.1 PROPOSED GROUNDWATER BANKING PROJECTS (COMPARISON MATRIX)
Mr. Bradly Arnold review the following:

Summary:
Santa Clara Valley Water District (Valley Water) staff have been exploring different groundwater banking opportunities as well as surface storage projects to diversify and potentially expand its storage capabilities. This effort is relevant given that projections of climate change impacts indicate that future water supplies will likely come in concentrated and shorter wet periods that will result in large slugs of water that may require additional storage facilities to capture. At the same time, sea level rise will likely increase salinity intrusion into the Delta, which may reduce the availability of SWP and CVP supplies during drier years, increasing Valley Water's reliance on stored supplies.

Groundwater Banking Projects

The current groundwater banking projects under investigation by Valley Water are as follows:
- Antelope Valley-East Kern 'High Desert' Groundwater Bank in Antelope Valley near Mojave;
- North San Joaquin Valley;
- Buena Vista Water Storage District (WSD) Groundwater Bank in Northern Kern County;
- Friant area banking;
- Mojave Water Agency Groundwater Bank in Apple Valley (Mojave Desert);
- Sacramento Regional Water Bank proposed near Roseville and Sacramento;
- Pleasant Valley Water District Groundwater Bank near Coaligna and Avenal.

A map of these projects relative to Valley Water is provided as Attachment 1. The location of the Semitropic Groundwater Bank, which Valley Water has already invested in, is also shown in Attachment 1. Valley Water staff are actively coordinating with banking program representatives to review operational and proposed financial details of each project and are evaluating the compatibility of these projects with other Valley Water water supply and storage projects. These projects differ by physical location, storage and recovery mechanics, local groundwater management under SGMA, and several other factors.

Comparison Matrix

To assist in the comparison of potential groundwater banking projects, staff are developing a 'comparison matrix' table (Attachment 2) used to outline key factors and considerations. The comparison matrix is intended to help guide Valley Water's discussions and review in a consistent format.

Attachment 2 provides a sample comparison matrix filled out for Semitropic. Staff will continue to refine the evaluation criteria and fill in the table as the analysis for other groundwater banking projects progresses.

Attachment 1: Map of Groundwater Banking Projects

** Service area(s) shown as outline. Groundwater banking locations are smaller, with location shown using star icon.*

Attachment 2:

Potential Matrix for Comparison of Groundwater Banking Projects

		Semitropic Groundwater Bank	Antelope Valley-East Kern (AVEK) 'High Desert' GW Bank	North San Joaquin Valley	Buena Vista WSD Groundwater Bank	Friant Area Bank	Mojave Water Agency Groundwater Bank	Sacramento Regional Water Bank	Pleasant Valley WD Groundwater Bank
Location		Northern Kern County							
Status		Established							
Direction (Convey Pathway)		Indirect/Exchange							
Valley Water Rights and Ownership		Contract (Priority)							
Operations	*Max Storage*	350,000 AF							
	Put Limit	31,675 AF/yr							
	Storage Water Types	SWP, CVP, Purchased (Future?)							
	Take Limit	31,675 AF/yr Minimum							
	Managing Agencies	KCWA							
	Withdrawal Setup	SWP Supply Exchange							
Losses	*Storage*	10% Leave-Behind							
	Conveyance	None							
Costs	*Put Costs*	$89/AF (CPI-adjust)							
	Take Costs	$89/AF (CPI-adjust)							
	Capital Investment	None							
	Recurring O&M	Approx. $2.4 Mil/yr Flat (Covers Put/Take Costs)							
	Other Costs	Variable pumping/ energy recovery costs.							
Issues	*SGMA Basin Info*	Kern County SB 'High Priority'							
	Water Quality	Moderate Quality (TDS/Arsenic)							
Key Risks and Considerations		- SGMA management changes/constraints? - KCWA control of storage and recovery (e.g., 2014 drought).							

DRAFT

The Committee discussed the following: adding political implications and the strain on the Delta, pumping restrictions (reverse flow), groundwater banking opportunities, partnerships and SGMA concerns.

Ms. Nina Hawk was available to answer questions.

The Committee took no action.

2. CLOSED SESSION:

CONFERENCE WITH LEGAL COUNSEL - EXISTING LITIGATION
Govt. Code Sec. 54956.9(d)(1)
SCVWD v. Jin, et al., Santa Clara County Superior Court, No. 19CV352227

If you have any questions or concerns, you may contact me at, gbrambill@valleywater.org or 1.408.630.2408.

Thank you.

Glenna Brambill, Management Analyst II,
Board Committee Liaison
Office of the Clerk of the Board

Santa Clara Valley Water District

File No.: 20-0251

Agenda Date: 2/25/2020
Item No.: *4.5.

NON-EXHIBIT ITEM

SUBJECT:

Proposed Future Board Member Agenda Items. (PREVIOUSLY LISTED AS ITEM 4.4)

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Santa Clara Valley Water District

File No.: 20-0235

Agenda Date: 2/25/2020
Item No.: 5.1.

BOARD AGENDA MEMORANDUM

SUBJECT:
Update on the Condition of the Almaden Valley Pipeline and Determination that the Condition of the Almaden Valley Pipeline Continues to Constitute an Emergency (San Jose) (District 7).

RECOMMENDATION:

A. Receive an update on the Almaden Valley Pipeline; and
B. Determine by a four-fifths vote of the Board that there is a need to continue the emergency action declared by the Acting Chief Executive Officer (CEO) on December 23, 2019, pursuant to California Public Contract Code §22050, to repair the Almaden Valley Pipeline.

SUMMARY:
According to Public Contract Code §22050, in order for the emergency action to remain in place, the Board must determine, by four-fifths vote at every regularly scheduled Board meeting until the emergency action is terminated, that there is a need to continue the emergency action; this agenda item recommends the Board make such a finding.

On December 23, 2019, the Acting CEO declared that the condition of the Almaden Valley Pipeline (AVP) constituted an emergency condition pursuant to California Public Contract Code §22050. The emergency declaration further determined that Santa Clara Valley Water District (Valley Water) staff may repair such pipeline, take any directly related and immediate action required by that emergency, and procure the necessary equipment, services, and supplies for those purposes, without giving notice for bids to let contracts. The emergency condition continues to exist as the repairs to the AVP are underway.

The AVP consists of approximately 12 miles of 72-inch to 78-inch diameter pre-stressed concrete cylinder pipe (PCCP) and welded steel pipe, operating under pressure. The pipeline was constructed in two major segments: AVP Unit 1 was constructed in the 1960's, and AVP Unit 2 was constructed in the 1980's. The AVP is used to supply raw water to Valley Water's treatment plants, groundwater recharge facilities, and service connections. When this pipeline is out of service, Valley Water does not have access to the San Luis Reservoir (Central Valley Project), Anderson and Calero Reservoir supplies. The South Bay Aqueduct must be relied upon as the sole source and supply of raw water to all Valley Water treatment facilities.

AVP planned inspection and rehabilitation work was performed in 2007, 2008, 2011, and 2017. On

December 5, 2017, Valley Water's Acting CEO declared an emergency and a contractor repaired multiple damaged sections of PCCP identified during inspection at risk of imminent failure. Based on the information gathered before and after the 2017/2018 repairs, the nature of damage to the pipe was correlated to embrittlement of the PCCP reinforcement wires.

On March 18, 2018, an acoustic fiber optic (AFO) system was brought on-line to monitor the AVP for events that correlate to additional distress of PCCP sections. This AFO system has detected numerous events since installation. Staff has reviewed this information in combination with other pipeline records, including operation and maintenance data, to analyze changes in failure risk and remaining service life of PCCP in AVP. Results of this analysis indicate a particular PCCP section of the AVP, between Shannon Line Valve and Calero Valve Yard, is significantly distressed and at risk of imminent structural failure. The distressed section is limited to one pipe segment (24 feet in length) under the Alamitos Creek, near the bridge crossing at the southern end of Almaden Expressway.

Based on the current condition of significantly distressed pipe section and associated risks, Valley Water cannot return the AVP to safe and reliable service unless repair of significantly distressed pipe section is performed. The planned return to service date for AVP in this location is February 27, 2020. Failure to return the pipeline to service by the prescribed date will pose a significant risk to Valley Water's ability to provide sufficient water to meet minimum water supply demands, as Valley Water's contractual obligations for water delivery increase in the spring and summer.

In response to this emergency condition of the AVP, Valley Water staff activated the Water Utility Department Operations Center on December 23, 2019. Staff from various Valley Water business units participated and strategized on the necessary steps to move forward with the pipeline repairs.

The three water treatment plants in North County are already disconnected from San Luis, Anderson, and Calero reservoirs due to the Cross-Valley and Calero Pipelines Inspection and Rehabilitation Project that is underway from November 18, 2019, to February 28, 2020, and the plants are currently relying on water delivered through the South Bay Aqueduct (SBA). Taking down the AVP for inspection and repair is somewhat fortunately timed because the same contractor Kiewit Corporation working on the Cross-Valley Pipeline can go in and repair the AVP without impacting deliveries to the water treatment plants in January and February. Since the Cross-Valley Pipeline is due to be back up on February 28, 2020, staff is striving to repair the AVP by the same date.

Valley Water staff and consultant personnel performed an emergency visual and electromagnetic inspection of the distressed pipe segments on January 14, 2020. The electromagnetic inspection confirmed the level of distress that Valley Water staff has been monitoring through the AFO system. Contract C0657 for the emergency repair work was awarded to Kiewit Infrastructure West Company. The emergency repair work began, is currently progressing as planned, and is scheduled to be completed on time.

It is anticipated that the Santa Teresa Water Treatment Plant will remain online through completion of the repairs. If Valley Water should lose the ability to receive imported water from the State Water Project (via the SBA), there would be an immediate and substantial curtailment of water services in the County. Staff has informed the retailers of the emergency at AVP and will keep them abreast of

the developments. The Office of Communications has also reached out to the neighbors that may be impacted by the mobilization of the crews and the construction activities.

Staff is recommending that the Board determine, by a four-fifths vote, that there is a need to continue the emergency action declared by the Acting CEO, to enable timely procurement of necessary construction contract services, and other services, supplies and essential equipment, without competitively bidding the contracts to complete the repairs. Staff will return to the Board with an update at every regularly scheduled Board meeting until the emergency declaration is concluded.

FINANCIAL IMPACT:
Staff estimates repairing the distressed sections of the AVP could cost in the range of $1.3M to $1.7M depending on the scale of the necessary repairs. There are sufficient funds available within the FY20 budget for the 10-Year Pipeline Inspection and Rehabilitation Program (95084002). If repair costs exceed the available funding, staff will recommend a budget adjustment for this Program at a future Board meeting.

CEQA:
Impacts associated with the repair and maintenance activities of the AVP were evaluated by the Pipeline Maintenance Program and the Programmatic Environmental Impact Report, certified and approved by the Board on November 13, 2007. The California Department of Fish and Wildlife and the Regional Water Quality Control Board will be properly notified to address the issued permits for the repairs and the permits will be modified to address emergency actions. All work will be performed deploying the Valley Habitat Plan conditions and avoidance and minimization measures to prevent impacts to sensitive habitat in the project vicinity.

ATTACHMENTS:
Attachment 1: Declaration of Emergency

UNCLASSIFIED MANAGER:
Aaron Baker, 408-630-2135

Valley Water

MEMORANDUM

FC 14 (08-21-19)

TO: Norma J. Camacho
Chief Executive Officer

FROM: Nina Hawk
Chief Operating Officer
Water Utility Enterprise

SUBJECT: Emergency Declaration to Repair Almaden Valley Pipeline Pursuant to Public Contract Code §22050

DATE: December 23, 2019

The purpose of this memorandum is to formally request that you as the Santa Clara Valley Water District (Valley Water) Chief Executive Officer (CEO) immediately declare an emergency pursuant to California Public Contract Code §22050 and Valley Water Resolution 05-67 to enable immediate repair of the Almaden Valley Pipeline (AVP) in the City of San Jose, California. This emergency declaration will exempt Valley Water from undergoing competitive bidding requirements to procure the necessary equipment, supplies, non-professional services, and public works to attend to the emergency action described in this memorandum.

The current condition of the AVP poses an emergency condition as it cannot be safely returned to service prior to significant repairs. Per California Public Contract Code §1102, an emergency is "a sudden, unexpected occurrence that poses a clear and imminent danger, requiring immediate action to prevent or mitigate the loss or impairment of life, health, property, or essential public services."

Background

The AVP consists of approximately 12 miles of 72-inch to 78-inch diameter prestressed concrete cylinder pipe (PCCP) and welded steel pipe, operating under pressure. The pipeline was constructed in two major segments: AVP Unit 1 was constructed in the 1960's, and AVP Unit 2 was constructed in the 1980's. The AVP is used to supply raw water to Valley Water's treatment plants, groundwater recharge facilities, and service connections. When this pipeline is out of service, Valley Water does not have access to the San Luis Reservoir (Central Valley Project), Anderson and Calero Reservoir supplies. The South Bay Aqueduct must be relied upon as the sole source and supply of raw water to all Valley Water treatment facilities.

AVP planned inspection and rehabilitation work was performed in 2007, 2008, 2011, and 2017. On December 5, 2017, Valley Water's CEO declared an emergency and a contractor repaired multiple damaged sections of PCCP identified during inspection at risk of imminent failure. Based on the information gathered, before and after the 2017/2018 repairs, the nature of damage to the pipe was correlated to embrittlement of the PCCP reinforcement wires.

On March 18, 2018, an acoustic fiber optic (AFO) system was brought on-line to monitor the AVP for events that correlate to additional distress of PCCP sections. This AFO system has detected numerous events since installation. Staff has reviewed this information in combination with other pipeline records, including operation and maintenance data, to analyze changes in failure risk and remaining service life of PCCP in AVP. Results of this analysis indicate a particular PCCP section of the AVP, between Shannon Line Valve and Calero Valve Yard, is significantly distressed and at risk of imminent failure.

Potential Consequences

Potential consequences of a pipe failure in this location include:

a. Physical damage to adjacent area;
b. Negative impact to endangered species habitat (e.g., steelhead fish) due to excessive raw water discharge into Alamitos Creek, along with substantial erosion; and
c. Significant risk to Valley Water's ability to provide sufficient water to meet minimum water supply demands due to prolonged pipeline outage to repair a pipe break.

Potential consequences of a prolonged outage to isolate and repair the pipeline in this location include:

a. Inability to meet contractual water supply agreements, which restrict planned outages between November and March;
b. Inability to meet treated water allotment obligations to retailers beginning May 2020; and
c. Valley Water treatment facilities must rely solely on the South Bay Aqueduct for raw water supply.

Based on the current condition of significantly distressed pipe sections and associated risks, Valley Water cannot return the AVP to safe and reliable service unless repair of significantly distressed pipe sections is performed. The planned return to service date for AVP in this location is February 27, 2020. Failure to return the pipeline to service by the prescribed date will pose a significant risk to Valley Water's ability to provide sufficient water to meet minimum water supply demands, as Valley Water's contractual obligations for water delivery increase.

Recommendation

Staff recommends a Declaration of Emergency be issued so that immediate action can be taken to complete all work activities related to the repair of structurally distressed pipe on the Almaden Valley Pipeline. Based on the substantial evidence detailed above, I recommend that you officially declare that an emergency situation exists as defined by the California Public Contract Code §1102. If you agree with this recommendation, please indicate concurrence by signing below.

Aaron Baker
Deputy Operating Officer
Water Utility Enterprise
Acting for Nina Hawk
Chief Operating Officer
Water Utility Enterprise

Concur:

Nina Hawk
Chief Operating Officer
Water Utility Enterprise
Acting for Norma J. Camacho
Chief Executive Officer

District Counsel:

Leslie Orta 12-23-19
Leslie Orta
Senior Assistant District Counsel

Santa Clara Valley Water District

File No.: 19-1173

Agenda Date: 2/25/2020
Item No.: 5.2.

BOARD AGENDA MEMORANDUM

SUBJECT:
Approve the Cost Reimbursement Agreement with Google, LLC for Construction of Bay Trail Improvements as Part of the Sunnyvale East and West Channels Flood Protection Project, Project No. 26074002 (Sunnyvale), (District 3).

RECOMMENDATION:

A. Approve the Cost Reimbursement Agreement with Google, LLC for Construction of Bay Trail Improvements as Part of the Sunnyvale East and West Channels Flood Protection Project; and
B. Authorize the Chief Executive Officer (CEO) to execute the Cost Reimbursement Agreement with Google, LLC for Construction of Bay Trail Improvements as Part of the Sunnyvale East and West Channels Flood Protection Project.

SUMMARY:
Google, LLC (Google) has proposed improving the existing San Francisco Bay Trail at trail segments A, B, and C as shown on the attached Cost Reimbursement Agreement, Exhibit A, by resurfacing the trail segments with decomposed granite. These improvements will be made at no cost to the public. Google has requested that the Santa Clara Valley Water District (Valley Water) incorporate the trail improvements into Valley Water's Sunnyvale East and West Channels Flood Protection Project (Project).

The existing San Francisco Bay Trail runs along the Sunnyvale East and West Channels levees and is maintained by the City of Sunnyvale (City) under a 1998 Joint Use Agreement (JUA) between the City and Valley Water. The Project proposes levee raising and floodwall installation along the existing Bay Trail. Incorporating the Bay Trail improvements within the Project will minimize construction impacts to recreation, detour impacts during construction, and potential damage to the Bay Trail. Integration of the trail improvements into the Project will also reduce the overall cost of both efforts by avoiding unnecessary duplicative levee work and providing a single unified construction management administration. Once Valley Water acquires the necessary permits from the resource agencies to construct the Project, Valley Water will advertise and publicly bid the Project and include Google's Bay Trail Improvements as a "supplemental bid item" to ascertain the bidders' proposed price for this work.

This agenda item presents a request for the Board of Directors (Board) to consider cost

reimbursement by Google to Valley Water to incorporate the San Francisco Bay Trail decomposed granite resurfacing improvements within the Project.

Project Background

The Clean, Safe Creeks & Natural Flood Protection Plan, approved by the voters in 2000, whose funding was subsumed into the more recently voter-approved Safe, Clean Water and Natural Flood Protection Program in November 2012, provides funding for the planning, design and construction of flood improvements to provide flood protection to residents and businesses of the City of Sunnyvale and unincorporated Santa Clara County, situated along both the Sunnyvale East and Sunnyvale West Channels. The Project, when completed, is expected to provide 100-year flood protection to an estimated 1,618 properties and approximately 47 acres of industrial and government lands.

In September 2014, the Board certified an environmental impact report (EIR) for Valley Water's Sunnyvale East and West Channels Flood Protection Project. Since Project approval, Valley Water staff has completed the design documents and is currently working with regulatory agencies to obtain the necessary permits for Project construction. Upon receipt of the required permits, staff will recommend the Board to adopt the plans and specifications and authorize advertisement for bids.

FINANCIAL IMPACT:
Although Valley Water will incur negligible costs for incorporating Google's request for resurfacing the existing Bay Trail as a supplemental bid item within the proposed Valley Water flood protection construction documents, the costs for all materials and associated work will be reimbursed to Valley Water by Google, including any additional work that is mutually beneficial should both parties agree.

CEQA:
In September 2014, the Board of Directors (Board) certified an environmental impact report (EIR) for Valley Water's Sunnyvale East and West Channels Flood Protection Project, and the surface material substitution of decomposed granite does not result in any new environmental impact.

ATTACHMENTS:
Attachment 1: Agreement

UNCLASSIFIED MANAGER:
Heath McMahon, 408-630-3126

DocuSign Envelope ID: 356FC02C-AF5B-45B2-8A7C-3C5DA8E26DC5

COST REIMBURSEMENT AGREEMENT BETWEEN GOOGLE LLC AND THE SANTA CLARA VALLEY WATER DISTRICT FOR CONSTRUCTION OF BAY TRAIL IMPROVEMENTS AS PART OF THE SUNNYVALE EAST CHANNEL AND WEST CHANNELS FLOOD PROTECTION PROJECT

This agreement (AGREEMENT) is made and entered into as of the date it is fully executed, by and between GOOGLE LLC, a Delaware limited liability company. (GOOGLE), and the SANTA CLARA VALLEY WATER DISTRICT (VALLEY WATER), a special district of the State of California. GOOGLE and VALLEY WATER may be referred to individually as a "Party" or collectively as the "Parties" or the "Parties to this Agreement."

RECITALS

WHEREAS, on September 9, 2014, VALLEY WATER's Board of Directors certified a Final Environmental Impact Report (Final EIR) and approved its Sunnyvale East Channel and Sunnyvale West Channel Flood Protection Project (PROJECT) as lead agency pursuant to the California Environmental Quality Act (CEQA) (Public Resources Code section 21000 et. seq.); and

WHEREAS, VALLEY WATER is currently proceeding with the permitting phase of its PROJECT in its right-of-way. After permits are issued, VALLEY WATER will subsequently advertise for bids and award a contract for construction of the PROJECT; and

WHEREAS, GOOGLE desires that the existing San Francisco Bay Trail at trail segments A, B, and C as shown on Exhibit A be resurfaced in accordance with GOOGLE's design (TRAIL IMPROVEMENTS) at no expense to the public and desires VALLEY WATER to incorporate such TRAIL IMPROVEMENTS into its PROJECT; and

WHEREAS, it is in the public's best interests to achieve the economic benefits and efficiencies resulting from combining the design and construction of the Parties' public improvement projects; and

WHEREAS, VALLEY WATER is willing to include the TRAIL IMPROVEMENTS in its PROJECT at GOOGLE'S expense and in accordance with the terms and conditions set forth in this AGREEMENT; and

WHEREAS, the TRAIL IMPROVEMENTS are consistent with VALLEY WATER'S joint use agreement (A3979X) with the City of Sunnyvale for the existing Bay Trail and subject to approval by the City of Sunnyvale;

NOW THEREFORE, in consideration of their mutual promises and agreements, and subject to the terms, conditions and provisions hereinafter set forth, the Parties hereto agree as follows:

AGREEMENT

1. DESCRIPTION OF PROJECT SITE

Along the existing Bay Trail, from Sunnyvale West Channel, generally along VALLEY WATER'S southerly maintenance road extending from approximately Carl Road, along the southern perimeter of Pond A4, to the south maintenance road of Sunnyvale East Channel extending to its confluence with Guadalupe Slough (Exhibit A).

2. SCOPE OF WORK

2.1 VALLEY WATER shall perform the following:

2.1.1 Include the TRAIL IMPROVEMENTS in its administration, design, review, and contracting for the construction of its PROJECT, incorporating GOOGLE's trail resurfacing design plans as supplemental bid items. Coordinate with appropriate local, state, federal, and regulatory agencies regarding any permits or approvals required for construction of the TRAIL IMPROVEMENTS.

2.1.2 Proceed with construction of TRAIL IMPROVEMENTS, if authorized by appropriate regulatory agencies, pursuant to the determination by VALLEY WATER that it concurs with the Lead Agency, Association of Bay Area Governments, determination that the TRAIL IMPROVEMENTS are categorically exempt from CEQA per Section 15301.

2.1.3 In the event the regulatory agency permits are not obtained for the PROJECT or the TRAIL IMPROVEMENTS, VALLEY WATER is not required to construct the TRAIL IMPROVEMENTS.

2.2 GOOGLE shall perform the following:

2.2.1 If the TRAIL IMPROVEMENTS are not covered by permits obtained by VALLEY WATER as described in Section 2.1.1 above, use best efforts to obtain all appropriate regulatory approvals and/or permits required for construction of the TRAIL IMPROVEMENTS by VALLEY WATER.

2.2.2 Provide VALLEY WATER with all documentation and information regarding its TRAIL IMPROVEMENTS so that VALLEY WATER'S staff preparing the PROJECT design can incorporate the design of these TRAIL IMPROVEMENTS in its PROJECT, per GOOGLE'S design and specifications.

2.2.3 Promptly review VALLEY WATER'S design documents prepared for public bidding and award and provide input to VALLEY WATER and

confirm acceptance of the design documents prior to VALLEY WATER proceeding with advertisement and bidding.

2.3 The designated project manager for VALLEY WATER for the duration of the PROJECT is Mr. Stephen M. Ferranti, P.E. VALLEY WATER's project manager shall have all the necessary authority to direct technical and professional work within the scope of the AGREEMENT and shall serve as the principal point of contact with GOOGLE. The designated project manager for GOOGLE for the duration of the PROJECT is Mr. Parham Khoshkbari. GOOGLE's project manager shall have all the necessary authority to review, approve, and accept technical and professional work within the scope of the AGREEMENT and shall serve as the principal point of contact with VALLEY WATER.

3. REIMBURSEMENT

3.1 VALLEY WATER will advertise and publicly bid its PROJECT and include GOOGLE'S TRAIL IMPROVEMENTS as "supplemental bid items" in order to ascertain the bidders' proposed price for this work.

3.2 VALLEY WATER will provide to GOOGLE, for its approval, the supplemental bid items' pricing information for the TRAIL IMPROVEMENTS within seven (7) calendar days after VALLEY WATER'S award and execution of the public works contract for this PROJECT.

3.3 GOOGLE shall determine if the costs for the supplemental bid items associated with the TRAIL IMPROVEMENTS are acceptable. If the costs for the TRAIL IMPROVEMENTS are acceptable, GOOGLE will remit payment in full to VALLEY WATER for the supplemental bid items associated with the TRAIL IMPROVEMENTS within 90 calendar days after VALLEY WATER's issuance of a Notice to Proceed (NTP) to its PROJECT construction contractor (CONTRACTOR).

3.4 If GOOGLE does not approve the supplemental bid item costs associated with the TRAIL IMPROVEMENTS or, absent agreement between the Parties to modify the payment deadline stated in 3.3. above, fails to remit to VALLEY WATER payment in full within 90 days of VALLEY WATER's issuance of a NTP, then VALLEY WATER will delete these supplemental bid items from its contract with its CONTRACTOR and this Agreement will be terminated pursuant to section 7, Termination.

3.5 Modifications to VALLEY WATER'S contract with its CONTRACTOR:

3.5.1 VALLEY WATER agrees to provide GOOGLE with notice and documentation regarding any modifications, revisions, change orders, and/or extra work required in association with the TRAIL IMPROVEMENTS to GOOGLE within seven (7) calendar days of VALLEY WATER becoming aware of or initiating such matter, so GOOGLE can

provide input and approval to VALLEY WATER, if necessary and appropriate.

3.5.2 GOOGLE will respond to VALLEY WATER regarding such matters within seven (7) calendar days of receipt of such information and provide written input and approval to VALLEY WATER, if necessary and appropriate.

3.5.3 If GOOGLE approves any additional expense above the supplemental bid items amounts for which it already remitted payment to VALLEY WATER, GOOGLE agrees to remit payment in full to VALLEY WATER within 60 calendar days of receipt of VALLEY WATER invoice.

4. MAINTENANCE

Neither Party accepts any obligation or responsibility to maintain TRAIL IMPROVEMENTS to any standard or condition upon completion of work regardless of damage or modifications that may occur for any reason, including VALLEY WATER's use of its right of way, public use, and damage from natural causes, etc. VALLEY WATER represents that responsibility for any maintenance of the TRAIL IMPROVEMENTS is the responsibility of the City of Sunnyvale in accordance with the Joint Use Agreement Calabazas Creek between VALLEY WATER and the City of Sunnyvale, dated May 29, 1998.

5. INSURANCE AND INDEMNIFICATION

5.1 VALLEY WATER shall indemnify, defend, and hold harmless GOOGLE from any claim, expense or cost, injury, damage or liability arising out of or caused by any negligent acts or omissions or willful misconduct of VALLEY WATER, its officers, employees, and contractors during or after the construction of the TRAIL IMPROVEMENTS, except for the active negligence and willful misconduct of GOOGLE.

5.2 GOOGLE shall indemnify, defend, and hold harmless VALLEY WATER and its officers, directors, employees, contractors, attorneys, agents, representatives, successors, and assigns, from and against any and all claims, expense or cost, injury, damage, and liability arising out of or caused by any negligent acts or omissions or willful misconduct of GOOGLE, its officers, employees, and contractors in connection with the construction of the TRAIL IMPROVEMENTS.

5.3 GOOGLE shall defend, indemnify, protect, and hold harmless VALLEY WATER and its officers, directors, employees, contractors, attorneys, agents, representatives, successors, and assigns, from and against any and all claims, liabilities, penalties, fines, judgments, demands, directives, orders, forfeitures, losses, costs, or expenses (including reasonable attorney's fees, consultant's, and expert fees) arising from, related to, or in connection with any CEQA challenge of VALLEY WATER's approval of this AGREEMENT.

5.4 VALLEY WATER and its CONTRACTOR performing the work, will secure and

maintain in full force and effect, at all times during TRAIL IMPROVEMENTS construction and until TRAIL IMPROVEMENTS completion, bodily injury insurance, property damage insurance and contractual liability worker compensation and auto coverage in forms and limits of liability acceptable to both VALLEY WATER and GOOGLE, naming GOOGLE and its respective officers, employees, and agents as additional insured from and against all damages and claims, loss of liability, and cost or expense arising out of or in any way connected with the TRAIL IMPROVEMENTS. VALLEY WATER is self-insured and intends to meet this obligation through self-insurance, subject to approval by GOOGLE pursuant to this Section 5.2.

5.5 The rights, duties, and obligations of the Parties as set forth above in this Section 5 of this AGREEMENT will survive termination, suspension, completion, and expiration of this AGREEMENT.

6. ADDITIONAL PROVISIONS

6.1 A Party's waiver of any term, condition, covenant, or breach of any term, condition or covenant shall not be construed as a waiver of any other term, condition, or covenant or breach of any other term, condition, or covenant.

6.2 This AGREEMENT contains the entire AGREEMENT between VALLEY WATER and GOOGLE relating to the PROJECT. Any prior agreements, promises, negotiations, or representations not expressly set forth in this AGREEMENT are of no force or effect.

6.3 If any term, condition or covenant of this AGREEMENT is held by a court of competent jurisdiction to be invalid, void or unenforceable, the remaining provisions of this AGREEMENT shall be valid and binding on VALLEY WATER and GOOGLE.

6.4 This AGREEMENT shall be governed and construed in accordance with the laws of the State of California.

6.5 This AGREEMENT may be executed in counterparts and will be binding as executed.

6.6 The term of this AGREEMENT shall commence upon execution of the AGREEMENT by both parties and terminate upon PROJECT completion notification by VALLEY WATER and receipt by VALLEY WATER of payment in full by GOOGLE, unless sooner terminated pursuant to Section 7 below.

6.7 All changes or extensions to this AGREEMENT must be in writing in the form of an amendment approved by both Parties.

6.8 This AGREEMENT is entered into only for the benefit of the Parties executing this AGREEMENT and not for the benefit of any other individual, entity, or person.

7. TERMINATION

7.1 Either VALLEY WATER or GOOGLE may, upon thirty (30) days' written notice, terminate this AGREEMENT at any time prior to VALLEY WATER's award and execution of the public works contract for this PROJECT.

7.2 This AGREEMENT will automatically terminate under the conditions provided for in Section 3.4 above.

7.3 After VALLEY WATER awards and executes the public works contract for this PROJECT, this AGREEMENT may only be terminated by the mutual consent and terms acceptable to both Parties.

8. NOTICES

8.1 All correspondence relating to the PROJECT, including all notices required by the terms of this AGREEMENT may be delivered by first class mail addressed to the appropriate Party at the following addresses:

To VALLEY WATER:

Santa Clara Valley Water District
Attn: Stephen M. Ferranti, Unit Manager
5750 Almaden Expressway
San Jose, CA 95118
Phone: (408) 630-2677
Email: sferranti@valleywater.org

To GOOGLE:

Google LLC
Attn: Mr. Parham Khoshkbari, Project Executive
1212 Bordeaux Drive
Sunnyvale, CA 94089
Phone: (650) 889-6256
Email: parhamk@google.com

With a copy to:
Google LLC
1600 Amphitheatre Parkway
Mountain View, CA 94043
Attn: Google LLC: Legal Department/RE Matters

IN WITNESS WHEREOF, the Parties have executed the AGREEMENT the day and year set forth below, when fully executed.

GOOGLE:

GOOGLE LLC, a Delaware limited liability company

DocuSigned by:
Jeff Holzman
4E17BEEAC8DA4E4...

By: _____ Date: 10/31/2019
Jeff Holzman, Director - Real Estate District Development

DocuSigned by:
Joe Van Belleghem
CC0ECC0C0785...

By: _____ Date: 11/2/2019
Joe Van Belleghem, Senior Director of Development

VALLEY WATER:

SANTA CLARA VALLEY WATER DISTRICT, a special district

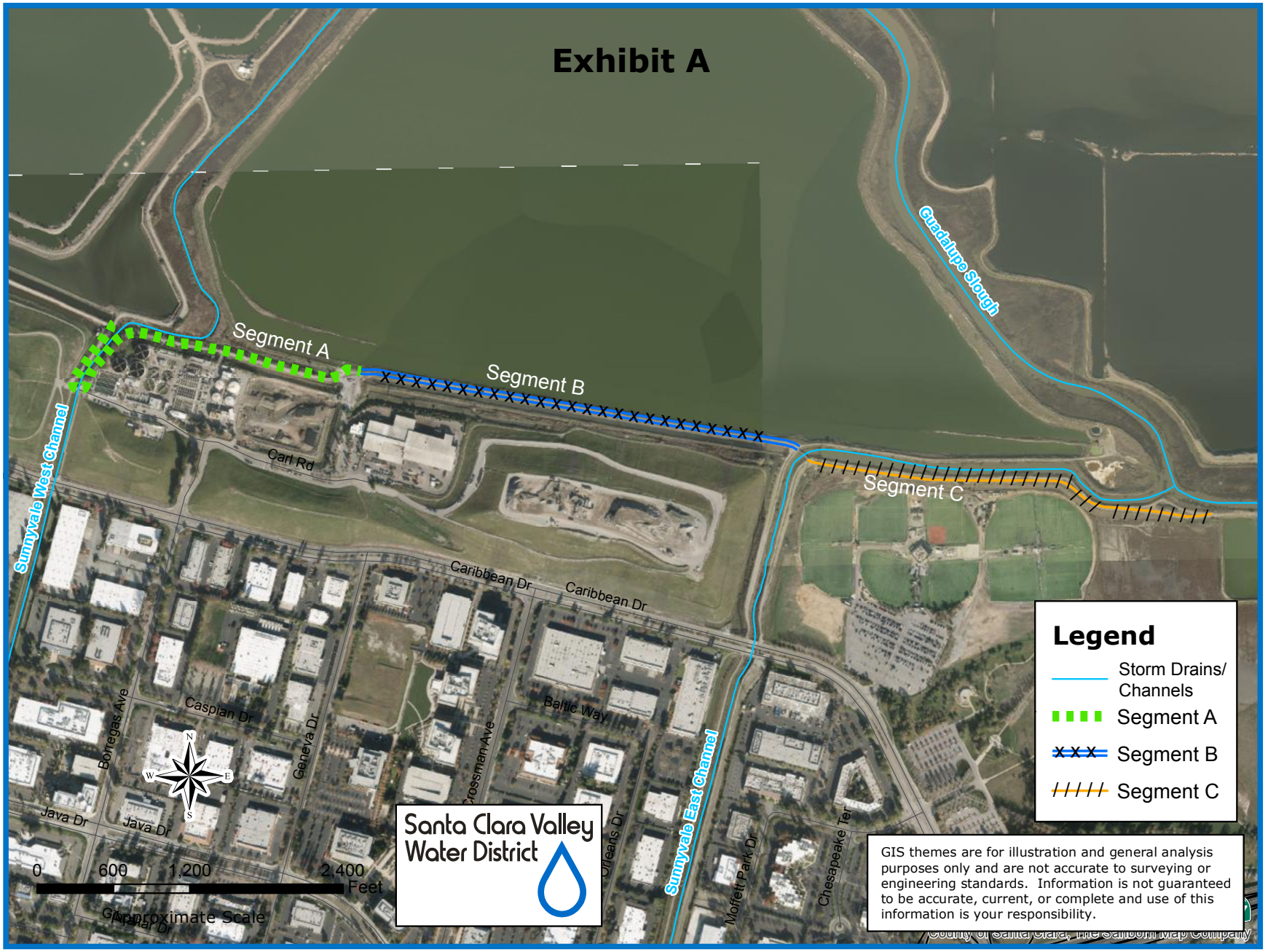
By: _____ Date: _____
Norma J. Camacho, Chief Executive Officer

APPROVED AS TO FORM:

By: _____ Date: _____
Joseph Aranda, Assistant Counsel

ATTEST:

By: _____ Date: _____
Michele L. King, CMC
Clerk/Board of Directors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Segment B
Segment C
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Sunnyvale West Channel
Sunnyvale East Channel
Carl Rd
Caribbean Dr
Caribbean Dr
Casplan Dr
Borregas Ave
Geneva Dr
Crossman Ave
Baltic Way
Orleans Dr
Java Dr
Java Dr
Moffett Park Dr
Chesapeake Ter
Legend
Storm Drains/ Channels
Segment A
Segment B
Segment C
N
W
E
S
0
600
1,200
2,400
Feet
Approximate Scale
Santa Clara Valley Water District
GIS themes are for illustration and general analysis purposes only and are not accurate to surveying or engineering standards. Information is not guaranteed to be accurate, current, or complete and use of this information is your responsibility.

Santa Clara Valley Water District

File No.: 20-0157

Agenda Date: 2/25/2020
Item No.: 6.2.

BOARD AGENDA MEMORANDUM

SUBJECT:
Review and Authorize Distribution of Santa Clara Valley Water District's Draft Fiscal Years 2021-25 Capital Improvement Program.

RECOMMENDATION:
Review the Draft Fiscal Years 2021-25 CIP and authorize release of the document to all cities in Santa Clara County and the County of Santa Clara for review as to its consistency with their General Plans.

SUMMARY:
Each year a five-year Capital Improvement Program (CIP) is prepared for Board consideration and approval. The CIP describes Santa Valley Water District's (Valley Water) capital investment priorities and provides information on the planned capital projects and Valley Water's intended source(s) of funding. Staff presents the CIP to the Board at the Preliminary and Draft stages for the Board to make decisions and provide direction. The final CIP is approved in conjunction with the annual budget, wherein funding is appropriated to the projects.

Draft FY 2021-25 CIP

The Board reviewed the Preliminary Fiscal Years (FY) 2021-25 CIP on January 14, 2020 in conjunction with the preliminary FY 2020-21 groundwater production charges. After further review of several water rate scenarios at the January 28, 2020 Board meeting, the Board directed staff to proceed with a Scenario 4. This scenario is based on the Water Supply Master Plan and includes baseline projects, a revised purified water program, Delta conveyance (Central Valley Project side), and assumes no Water Infrastructure Improvements for the Nation (WIIN) Act funding. It also provides funding for capital projects to meet the schedule and expenditures identified in the FY 2021-25 CIP. All scenarios considered on January 28, 2020, were consistent with direction given by the Board on January 14, 2020 regarding the Preliminary FY 2021-25 CIP.

As directed by the Board on January 14, 2020, staff has prepared the Draft FY2021-25 CIP, which includes the addition of the following projects:

- Almaden Valley Pipeline Replacement Project;

- Land Rights - South County Recycled Water Pipeline Project;
- Water Treatment Plant Implementation Project;
- SCADA Implementation Project; and
- Distribution System Implementation Plan.

Staff has prepared the Draft FY 2021-25 CIP (Attachment 1) for Board consideration. Subject to authorization by the Board, the Draft CIP will be transmitted to cities within Valley Water's jurisdiction and to the County to solicit feedback and obtain confirmation that Valley Water's Draft FY 2021-25 CIP is consistent with their applicable General Plans. The CIP will also be available online for general public review. Staff will contact and offer to meet with each of the City Managers, Planning Directors, and/or Public Works Directors to discuss the proposed list of projects and seek feedback on the CIP prior to returning to the Board for approval of the CIP.

The Draft FY 2021-25 CIP includes 67 funded projects distributed among the following categories: 31 Water Supply, 17 Flood Protection, 10 Water Resources Stewardship, 2 Buildings and Grounds, and 7 Information Technology projects, for a total Valley Water planned cost of $5.2 billion. An anticipated additional $1.2 billion may be funded by outside sources through cost-share partnerships, or reimbursements, yielding a total CIP value of $6.4 billion.

FINANCIAL IMPACT:
There is no financial impact associated with Board approval of the recommendation for this item. The total value of the Draft FY 2021-25 CIP is $6.4 billion, of which $1.2 billion may be funded by outside sources.

CEQA:
The recommended action does not constitute a project under CEQA because it does not have a potential for resulting in direct or reasonably foreseeable indirect physical change in the environment.

ATTACHMENTS:
Attachment 1: Draft FY 2021-2025 CIP

UNCLASSIFIED MANAGER:
Chris Hakes, 408-630-3796

Valley Water

FY 2021-25

Capital Improvement Program

DRAFT

Santa Clara Valley Water District

Fiscal Years 2021-25
Capital Improvement Program

BOARD OF DIRECTORS

Nai Hsueh
Chair, District 5

John L. Varela
District 1

Barbara F. Keegan
District 2

Richard P. Santos
District 3

Linda J. LeZotte
District 4

Tony Estremera
Vice Chair District 6

Gary Kremen
District 7

Submitted by

Norma J. Camacho
Chief Executive Officer

Presented by

Christopher Hakes
Deputy Operating Officer

February 25, 2020

Valley Water
Clean Water • Healthy Environment • Flood Protection

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Overview

OVERVIEW

The Santa Clara Valley Water District's (Valley Water) Fiscal Year 2021-25 Five-Year Capital Improvement Program (CIP) is a projection of Valley Water's capital funding for planned capital projects from Fiscal Year 2020-21 through Fiscal Year 2024-25. 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.

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.

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 Officer Association (GFOA). Capital projects in this document are defined by both the accounting criteria for capital investment and 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 cost centers. 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 $2.5 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 Almaden Campus 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.

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. Balancing the Ends Policies are the Executive Limitations, which set limits on staff activities in fulfilling the Ends Policies.

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;
- 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;
- 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;
- 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 being 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 and the two documents are presented to the board for formal adoption 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 on three separate occasions for review and input. 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. The CIP is adopted by the Board in May following a public hearing.

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 14, 2020 the FY 2021-25 Preliminary CIP project list was reviewed and endorsed by the Board. The following are highlights of changes from the previous year that have been approved as the basis for the FY 2021-25 CIP:

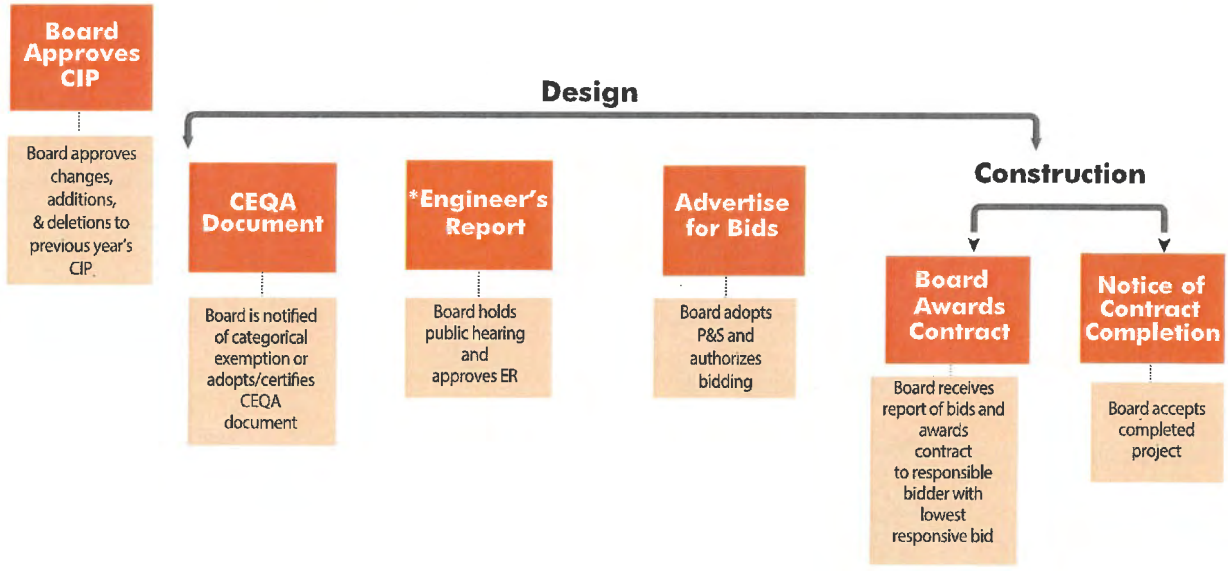
- To fully fund the Water Supply projects in the FY 2021-25 CIP, an increase in the groundwater production charges of up to 8.4% in North County and 5.3% for South County will be required in FY 2021.
- Five new Water Supply projects with a combined value of $120.3 million were added to the CIP. They are; Land Rights – South County Recycled Water Pipeline Project, Almaden Valley Pipeline Replacement Project, SCADA Implementation Project; Water Treatment Plant Implementation Project, and Distribution System Implementation Project.
- The Los Gatos Creek Restoration and Flood Protection Project (Safe, Clean Water Program Priority D, Project D6) had been added to the FY 2020-24 CIP with $9M in funding, but was removed this year because the landowner Google, Inc. is not proceeding with a flood protection and stream restoration project that aligns with the Safe, Clean Water Project D6 Key Performance Indicator and therefore can not receive Safe, Clean Water Program funds.

Overview

- The Guadalupe River, Tasman Drive to I-880 Project was approved by the Board for inclusion in the FY 2020-24 CIP with $1 million in funding for planning. Project funding has increased in the FY 2021-25 CIP to $96 million to reflect all future planning, design and construction costs to restore design flow conveyance capacity.
- The Palo Alto Flood Basin Tide Gate Structure Improvement Project increased in cost by $20 million due to increased construction phase cost estimates.
- The Upper Llagas Creek Flood Protection Project increased by $60 million to correctly reflect future year funding requirements. Funding sources have been updated to reflect the pursuit of outside funding from the Natural Resource Conservation Service.
- The South San Francisco Bay Shoreline Project Phase 1 increased in cost by $58M due to cost for right of way acquisition, levee soil acquisition, and construction of ecotone that were not included in the original estimated project cost.

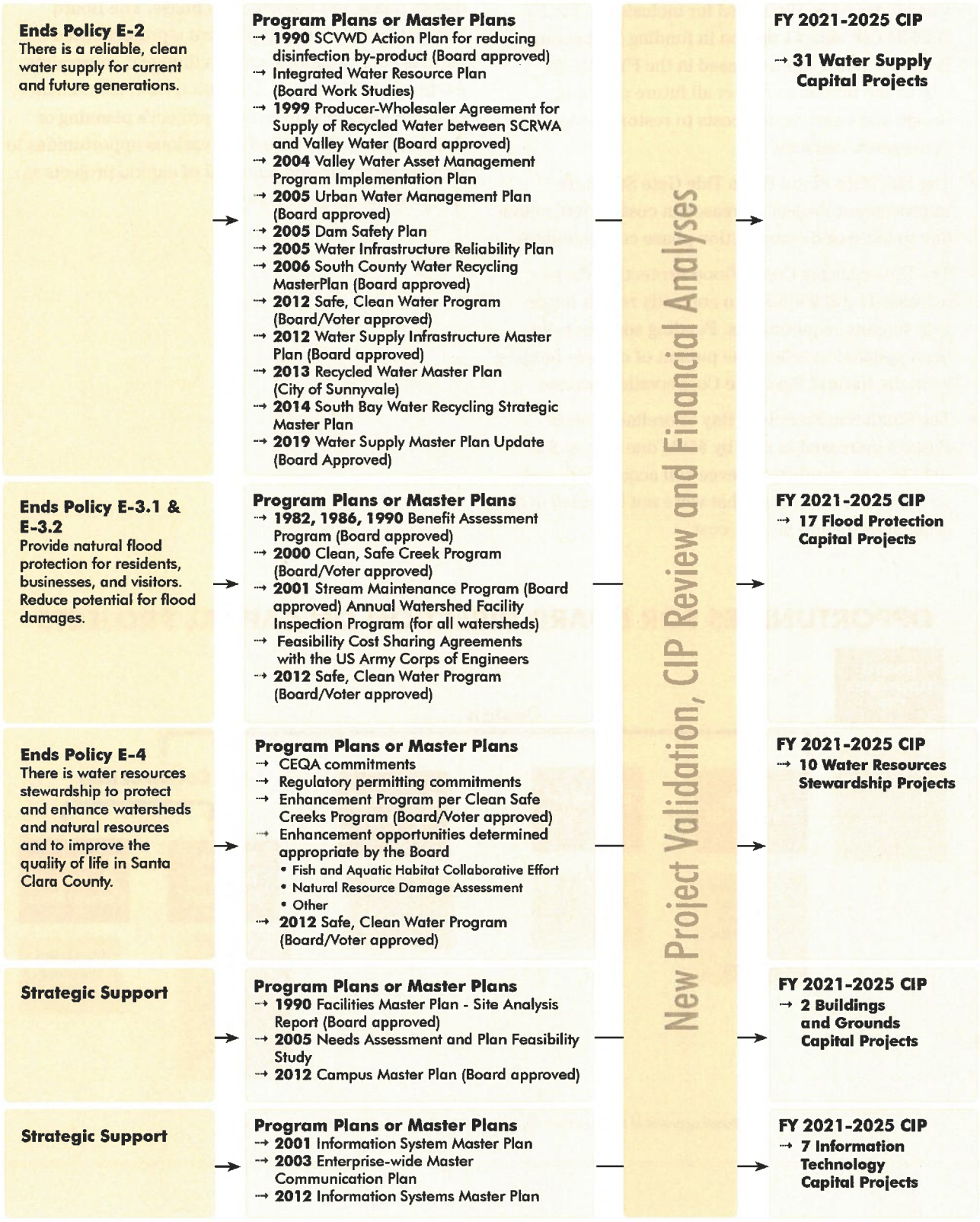
Each project in the CIP goes through a planning phase, design phase and construction phase. The Board may determine not to implement a project based on various considerations such as financial constraints, environmental impacts, Operations and Maintenance, or community desire during a project's planning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

OPPORTUNITIES FOR BOARD DIRECTION ON CAPITAL PROJECTS



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

CIP PROCESS ALIGNMENT WITH ENDS POLICIES



FISCAL YEAR 2021-25 CIP SUMMARY

The recommended CIP for FY 2021-25 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*
  10 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*
  7 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 80s and 90s. 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;
- $61.5 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.

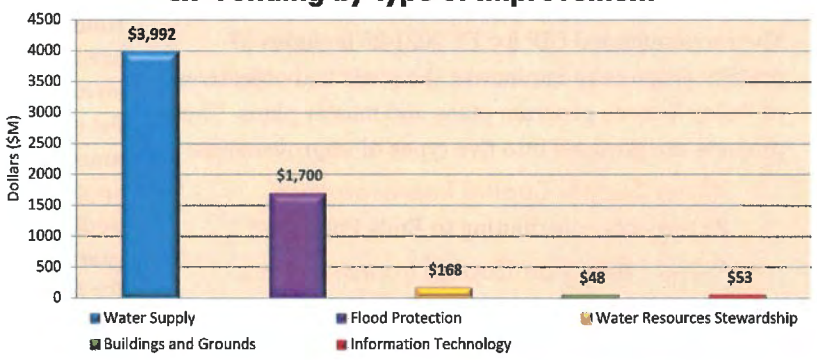
Overview

The estimated total funding required to implement the 67 projects defined in the CIP is $6.437 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 $6.437 billion total funding, $1.218 billion is expected from Valley Water's various partners, such as the U.S. Army Corps of Engineers (USACE), and $5.220 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 $1.218 billion that is expected from Valley Water's partners, $742 million is advanced by Valley Water and reimbursed later. This $742 million is included in the CIP, and increases Valley Water's total funding requirement from $5.220 billion to $5.961 billion, to ensure that Valley Water has adequate funding to advance the reimbursement.

CIP Funding by Type of Improvement

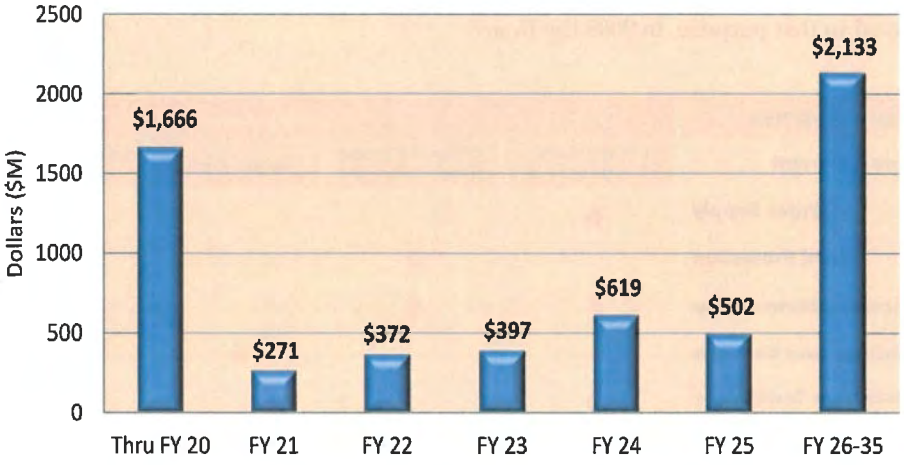


The chart above shows the distribution by type of improvement, of the $5.961 billion total CIP funding as planned in the FY 2021-25 CIP.

The chart above shows how the $5.961 billion to implement the 67 projects is allocated to each of the five types of improvements.

Of the $5.961 billion in total funding for the 67 projects identified in the CIP, the Board has appropriated $1.666 billion in prior years (through June 30, 2020, the end of Fiscal Year 2019-20). This year's CIP process identified additional funding needs of $4.295 billion to complete the projects in the CIP, with $271 million allocated in Fiscal Year 2020-21 and a total of $4.024 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 $5.961 billion is distributed by fiscal year.

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

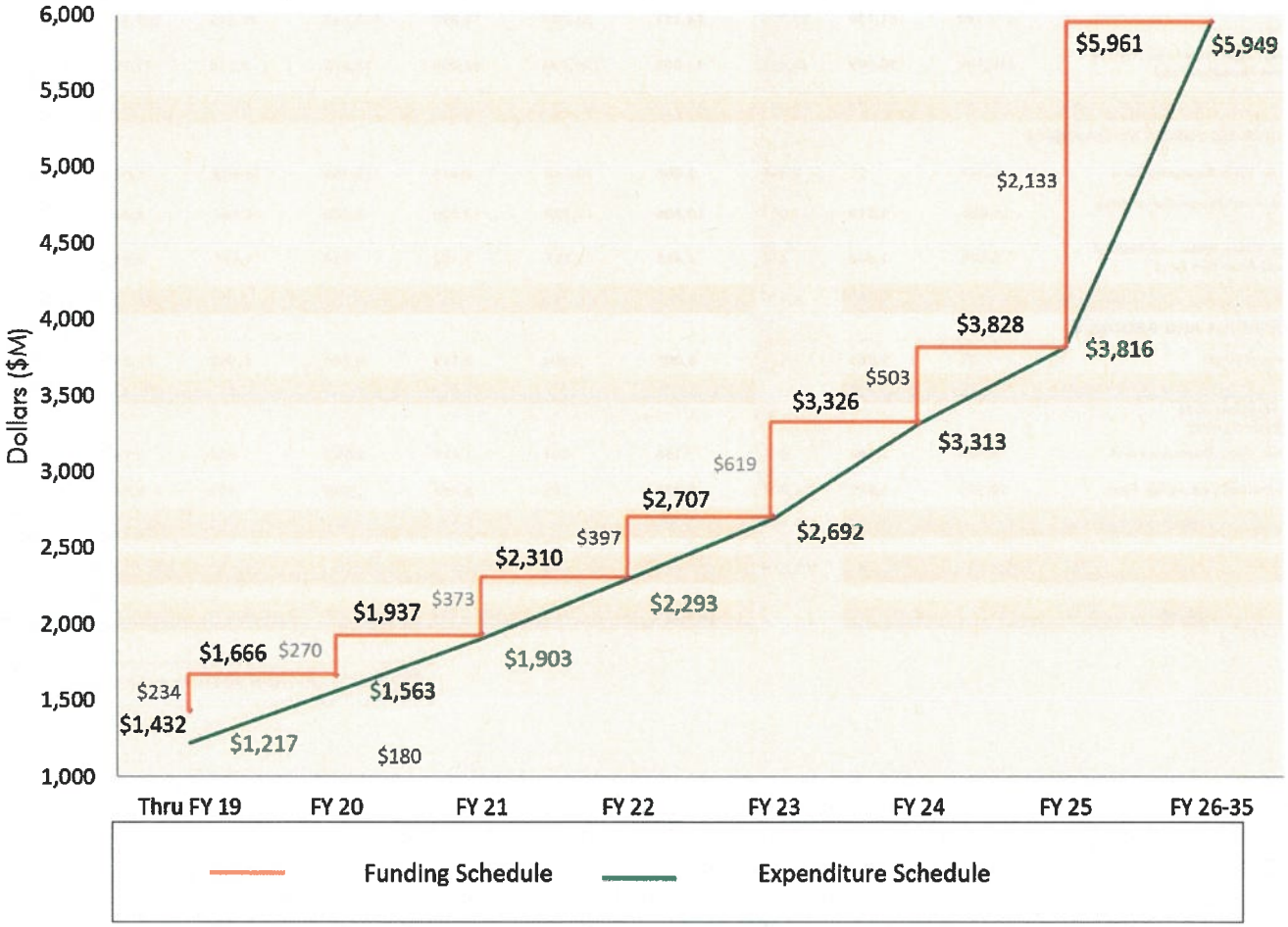
	Through FY19	FY20	FY20 Unspent	FY21	FY22	FY23	FY24	FY25	FY26-35	TOTAL
WATER SUPPLY										
Water Utility Enterprise Fund	497,946	132,926	25,729	155,583	178,245	209,868	464,605	414,840	1,909,306	3,963,319
Safe, Clean Water and Natural Flood Protection Fund	18,326	733	58	2,480	4,674	2,419	-	89	-	28,721
Water Supply Total	516,272	133,659	25,787	158,063	182,919	212,287	464,605	414,929	1,909,306	3,992,040
FLOOD PROTECTION										
Watershed Stream Stewardship Fund	402,143	61,130	23,336	34,151	56,387	72,395	102,643	49,542	107,964	886,355
Safe, Clean Water and Natural Flood Protection Fund	450,109	30,099	43,451	54,032	100,934	84,002	18,620	3,915	71,701	813,412
Flood Protection Total	852,252	91,229	66,787	88,183	157,321	156,397	121,263	53,457	179,665	1,699,767
WATER RESOURCES STEWARDSHIP										
Water Utility Enterprise Fund	5,597	21	2,699	3,858	10,143	3,472	13,168	16,985	6,037	59,281
Watershed Stream Stewardship Fund	28,826	1,513	1,001	10,406	13,734	14,530	5,875	8,144	6,037	89,065
Safe, Clean Water and Natural Flood Protection Fund	5,828	1,646	410	4,483	2,127	1,184	218	1,897	1,953	19,336
Mitigation Total	40,251	3,180	4,110	18,747	26,004	19,186	19,261	27,026	14,027	167,682
BUILDINGS AND GROUNDS										
General Fund	20	2,063	-	3,000	5,204	5,199	9,784	5,553	17,655	48,478
Buildings and Grounds Total	20	2,063	-	3,000	5,204	5,199	9,784	5,553	17,655	48,478
INFORMATION TECHNOLOGY										
Water Utility Enterprise Fund	2,723	1,162	877	156	204	1,475	2,985	854	3,747	13,306
Information Technology Fund	20,975	1,973	4,307	3,336	792	2,453	1,388	459	8,581	39,957
Information Technology Total	23,698	3,135	5,184	3,492	996	3,928	4,373	1,313	12,328	53,263
TOTAL	1,432,493	233,266	101,868	271,485	372,444	396,997	619,286	502,278	2,132,981	5,961,230
CUMULATIVE TOTAL	1,432,493	1,665,759		1,937,244	2,309,688	2,706,685	3,325,971	3,828,249	5,961,230	

FY 2019-20 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 $102 million of the already appropriated $1.666 billion is not spent and is reappropriated to Fiscal Year 2020-21 for continued use in those same projects in amounts consistent with the project expenditure schedule for Fiscal Year 2020-21. The following chart explains the relationship between the CIP funding schedule and expenditure schedule.

CIP Funding Schedule vs. CIP Expenditure Schedule



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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 (15) 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 2015, and is a multi-year effort that will be constructed in a phased approach to allow the plant to continue operations throughout the construction process.

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 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, the 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 ($576 million) was initiated in January 2011.

Water Supply Capital Improvements

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 will be 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 would 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

Transmission:

- 10-Year Pipeline Rehabilitation
- FAHCE Implementation
- Main and Madrone Pipeline Rehabilitation
- Vasona Pumping Plant Upgrade
- Almaden Valley Pipeline Replacement

Treatment:

- PWTP Residuals Management
- RWTP Reliability Improvement
- STWTP Filter Media Replacement
- Water Treatment Plant Electrical Improvement

Recycled Water:

- Expedited Purified Water Program
- South County Recycled Water Pipeline

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 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 two 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

Water Supply Capital Improvements

imported water from outside the county to provide a reliable water supply. To receive, filter and distribute the imported water, Valley Water chose to build three water treatment plants and a network of raw water and treated water distribution pipelines many decades ago. Conversely, the South County overlays the Coyote Valley (southern Santa Clara subbasin) and the Llagas groundwater subbasins and is more sparsely populated.

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

The financial analysis of the Water Utility Enterprise Fund, 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 the Board directed staff to proceed with an increase in the municipal and industrial (M&I) groundwater production charges up to 8.4% in Zone W-2 (North County) and 5.3% in Zone W-5 (South County) in FY 2020-21. This scenario is in line with the Water Supply Master Plan including Baseline Projects, and No Regrets Package. It also provides funding for capital projects in accordance with the timing and funding identified in the FY 2021-25 CIP. Preliminary projections indicate the need for annual rate increases of 8.4% on average in subsequent years for North County and 5.3% on average for South County.

Through the CIP Planning Process, two validated projects were added to the FY2021-25 Draft CIP: Land Rights – South County Recycled Water Pipeline Project and the Almaden Valley Pipeline Replacement Project.

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.

The WSMP's sustainability strategy emphasized the need to secure existing supplies and infrastructure. To that end, the Board approved three new projects for inclusion in the FY 2021-25 Draft CIP. These projects are:

- Supervisory Control and Data Acquisition (SCADA) Implementation Project;
- Water Treatment Plant Implementation Project; and
- Distribution System Implementation Project.

Water Supply Capital Improvements

The following table is a project funding schedule for water supply capital improvements resulting from this year's priority process and 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 2019-20.

Water Supply Capital Improvements

Project Number	PROJECT NAME	Through FY19	FY20	FY20 Unspent	FY21	FY22	FY23	FY24	FY25	FY26-35	TOTAL
	STORAGE FACILITY										
91854001	Almaden Dam Improvements	15,104	-	346	-	-	48	122	130	52,043	67,447
91864005	Anderson Dam Seismic Retrofit (C1)	50,061	17,919	-	4,518	2,755	58,596	53,433	53,919	334,491	575,692
91084020a	Calero and Guadalupe Dams Seismic Retrofits	32,068	1,197	1,293	2,280	14,677	25,287	24,962	6,392	153,735	260,598
91234002	Coyote Pumping Plant ASD Replacement	1,234	1,027	324	2,431	5,932	4,136	648	83	-	15,491
91234011	Coyote Warehouse	6,878	2,482	21	131	72	69	-	-	-	9,632
91084019	Dam Seismic Stability Evaluation	21,605	631	-	426	5,513	463	486	447	879	30,450
91954002	Pacheco Reservoir Expansion Project	17,260	42,056	295	42,255	32,179	24,568	243,084	232,878	711,070	1,345,350
91214010a	Small Capital Improvements, San Felipe Reach 1-3	n/a	7,432	-	1,977	2,739	109	163	2,390	28,505	43,315
	TRANSMISSION FACILITY										
95084002	10-Year Pipeline Rehabilitation (FY18-FY27)	37,854	26,064	-	14,911	5,297	4,813	5,788	6,533	10,300	111,560
92304001	Almaden Valley Pipeline Replacement Project	-	-	-	668	873	1,328	2,625	2,025	82,158	89,677
95044001	Distribution Systems Implementation Project	-	-	-	2,540	2,682	2,828	-	-	-	8,050
92C40357	FAHCE Implementation	-	-	-	4,739	4,379	14,691	14,690	15,858	90,751	145,108
26764001	IRP2 Additional Line Valves (A3)	1,090	399	58	2,480	4,674	2,419	-	89	-	11,151
26564001	Main & Madrone Pipelines Restoration (A1)	17,236	334	-	-	-	-	-	-	-	17,570
92144001	Pacheco/Santa Clara Conduit Right of Way Acquisition	3,627	-	397	915	308	-	-	-	-	4,850
95044002	SCADA Implementation Project	-	-	-	1,869	1,962	2,892	-	-	-	6,723
92764009	Small Capital Improvements, Raw Water Transmission	n/a	1,215	-	82	68	19	407	2,089	4,719	8,599
94764006	Small Capital Improvements, Treated Water Transmission	n/a	178	-	-	37	42	32	128	259	676
94084007	Treated Water Isolation Valves	529	742	-	83	2,161	2,237	2,315	68	-	8,135
92264001	Vasona Pump Station Upgrade	1,380	525	-	1,419	19,894	463	85	-	-	23,766
94084008	Westside Retailer Interties	147	-	69	-	360	1,376	117	-	-	2,000
	TREATMENT FACILITY										
93234044	PWTP Residuals Management	-	-	-	683	1,433	7,627	-	-	-	9,743
93294051a	RWTP Residuals Remediation	43,573	2,632	7,304	13,408	1,797	2,555	675	-	-	64,640
93294057	RWTP Reliability Improvement	197,597	14,566	4,991	35,844	37,126	26,649	15,987	128	-	327,897
93294056	RWTP Treated Water Valves Upgrade	8,603	21	148	-	5	-	-	-	-	8,629
93764004	Small Capital Improvements, Water Treatment	n/a	11,353	-	3,444	3,412	1,269	5,732	3,392	27,229	55,831
93284013	STWTP Filter Media Replacement Project	-	203	-	1,134	2,173	5,081	1,793	-	-	10,384
93084004	Water Treatment Plant Electrical Improvement Project	-	203	-	1,288	2,495	5,860	2,056	-	-	11,902
93044001	WTP Implementation Project	-	-	-	1,575	2,756	4,052	-	-	-	8,383
	RECYCLED WATER FACILITY										
91304001a	Expedited Purified Water Program (EPWP)	23,869	2,480	2,639	7,060	10,459	9,246	89,405	88,380	413,167	644,066
91094001	Land Rights - South County Recycled Water PL	-	-	-	585	3,462	3,564	-	-	-	7,611
91094007a	South County Recycled Water Pipeline	36,557	-	7,902	9,318	11,239	-	-	-	-	57,114
	TOTAL	516,272	133,659	25,787	158,063	182,919	212,287	464,605	414,929	1,909,306	3,992,040

FY 2019-20 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 FY19	FY20	FY20 Unspent	FY21	FY22	FY23	FY24	FY25	FY26-35	TOTAL
61	Water Utility Enterprise Fund	497,946	132,926	25,729	155,583	178,245	209,868	464,605	414,840	1,909,306	3,963,319
26	Safe, Clean Water and Natural Flood Protection Fund	18,326	733	58	2,480	4,674	2,419	-	89	-	28,721
	TOTAL	516,272	133,659	25,787	158,063	182,919	212,287	464,605	414,929	1,909,306	3,992,040

FY 2019-20 Funds to be reappropriated

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Storage Facilities

Storage Facilities

- 10 Surface Reservoirs
- 393 Acres of Recharge Ponds
- 76 Miles of In-stream Recharge
- 8 Capital Projects
- Groundwater Basins

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

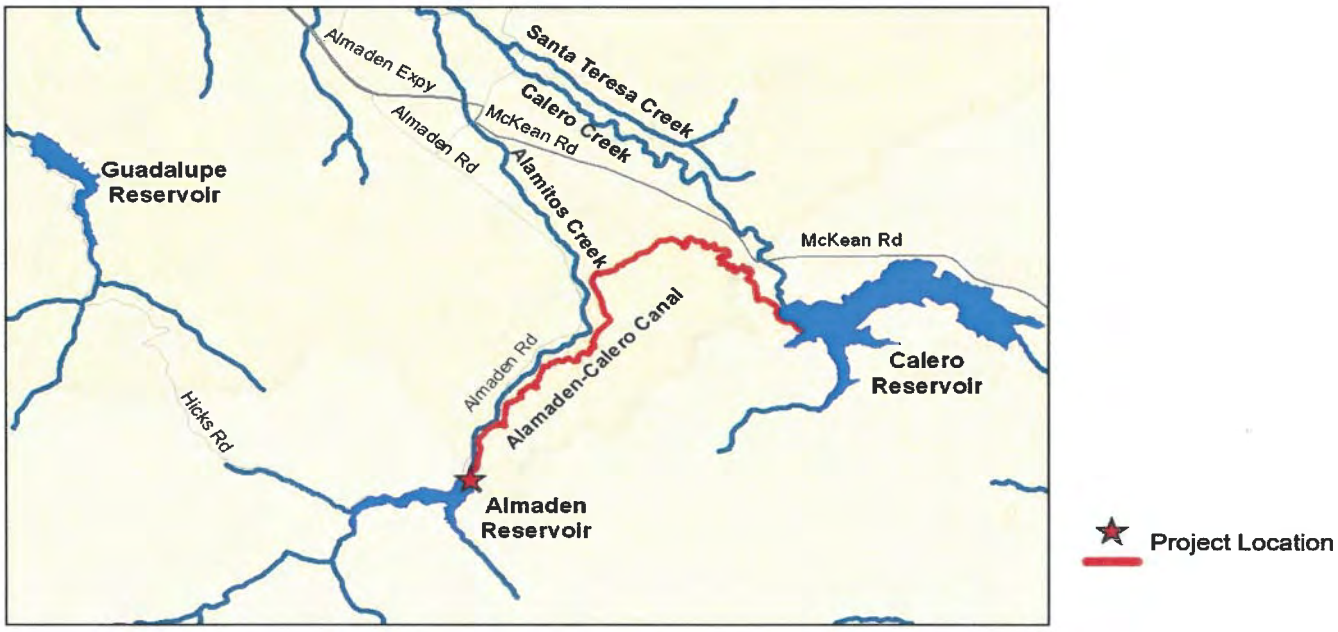
Aerial view of Almaden Dam and spillway, and part of the reservoir

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 (cfs) 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.

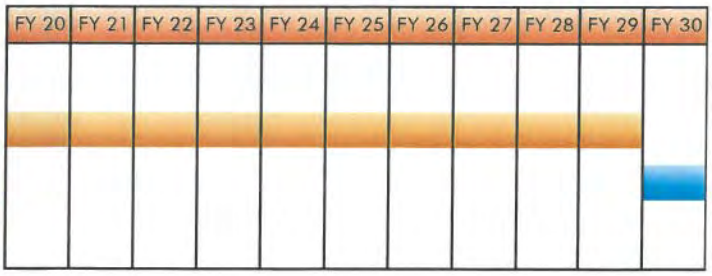
PROJECT LOCATION



SCHEDULE & STATUS

July 1995 to June 2031

Phase	Cost
Plan	5,099
Design	5,100
Construct	37,633
Closeout	4
	53,600



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures						Total
Project	FY19	FY20	FY21	FY22	FY23	FY24	FY25	Future	
91854001-Almaden Dam Improvements	13,964	794	160	100	100	100	102	38,280	53,600
with inflation	13,964	794	168	110	116	122	130	52,043	67,446

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY19	FY20		FY21	FY22	FY23	FY24	FY25	Future	
91854001-Almaden Dam Improvements	15,104	0	346	0	0	48	122	130	52,043	67,446

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	67,446
Other Funding Source	0
Total	**67,446**

OPERATING COST IMPACTS

The completion of this project is anticipated to decrease operating costs by approximately $2,000 per year, beginning in FY 2025. 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
District Contact	Christopher Hakes chakes@valleywater.org

Aerial view of Anderson Dam and spillway, with a portion 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 determined to be "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, Project C1. For a full description of the SCW benefits and KPI's, please visit www.valleywater.org.

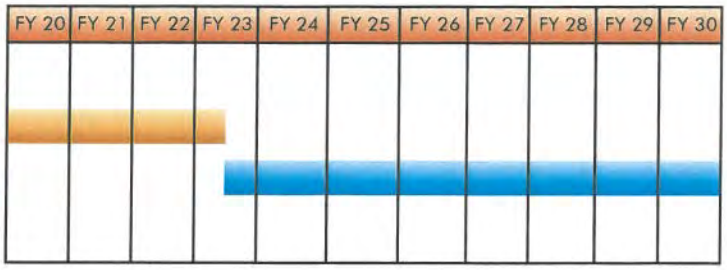
PROJECT LOCATION

★ Project Location

SCHEDULE & STATUS

January 2011 to December 2027

Phase	Cost
Plan	21,131
Design	48,488
Construct	434,360
Closeout	1,100
	512,742



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY19	FY20	FY21	FY22	FY23	FY24	FY25	Future	
91864005-Anderson Dam Seismic Retrofit	49,677	18,303	4,303	2,499	52,860	48,000	48,000	289,100	512,742
with inflation	49,677	18,303	4,518	2,755	58,596	53,433	53,919	334,492	575,694

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY19	FY20		FY21	FY22	FY23	FY24	FY25	Future	
91864005-Anderson Dam Seismic Retrofit	50,061	17,919	0	4,518	2,755	58,596	53,433	53,919	334,492	575,694

Adjusted Budget includes adopted budget plus a planned budget adjustment of $13.7M.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	509,641
SCVWD Safe Clean Water Fund	66,053
Other Funding Sources	0
Total	575,694

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
District Contact Christopher Hakes chakes@valleywater.org **Project No.** 91084020 & 91894002

Aerial view of the Calero Dam and reservoir

Areial 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 construct improvement to Guadalupe Dam. to accomplish the following objectives:

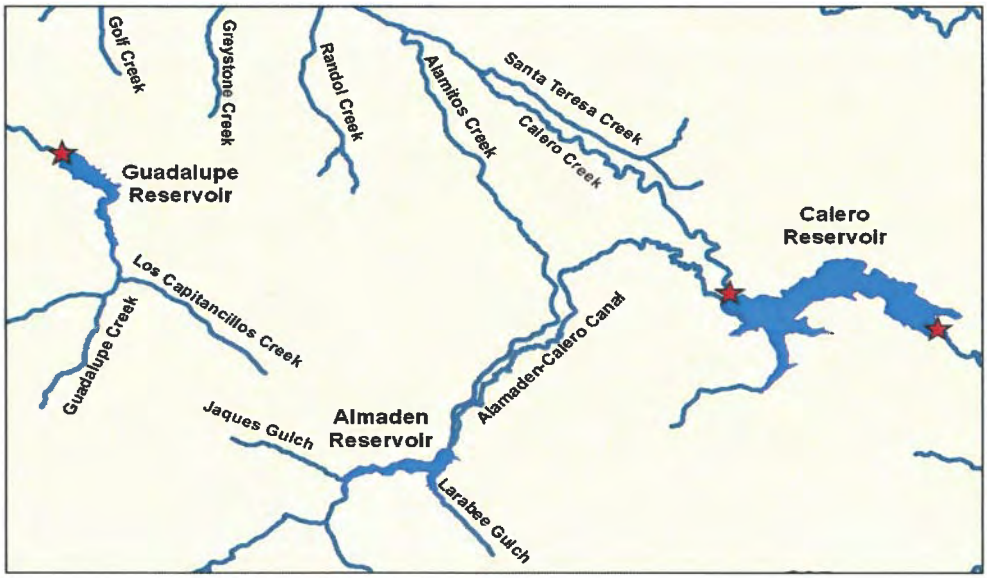
Calero Dam

- 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 (DSOD) 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.

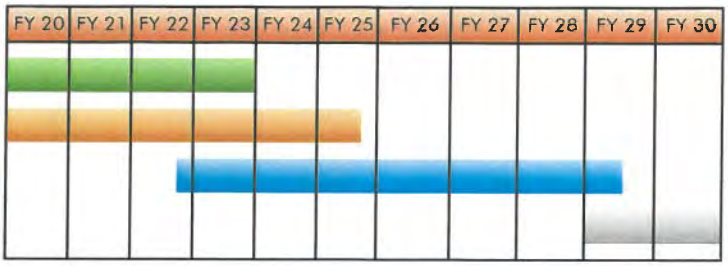
PROJECT LOCATION



SCHEDULE & STATUS

July 2012 to June 2030

Phase	Cost
Plan	10,870
Design	8,613
Construct	63,250
Closeout	72
	87,355



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY19	FY20	FY21	FY22	FY23	FY24	FY25	Future	
91084020 - Calero and Guadalupe Dams Seismic Retrofits-Planning	8,937	340	1,490	1,990	340	0	0	0	13,097
with inflation	8,937	340	1,565	2,194	394	0	0	0	13,429
91894002 - Guadalupe Dam Seismic Retrofit-Design & Construct	9,195	789	777	11,600	23,075	23,000	5,822	0	74,258
with inflation	9,195	789	816	12,373	24,777	24,865	6,354	0	79,169
TOTAL	**18,132**	**1,129**	**2,267**	**13,590**	**23,415**	**23,000**	**5,822**	**0**	**87,355**
with inflation	**18,132**	**1,129**	**2,380**	**14,567**	**25,171**	**24,865**	**6,354**	**0**	**92,598**

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY19	FY20		FY21	FY22	FY23	FY24	FY25	Future	
91084020 - Calero and Guadalupe Dams Seismic Retrofits-Planning	9,476	0	199	1,366	2,194	394	0	0	0	13,429
91894002 - Guadalupe Dam Seismic Retrofit-Design & Construct	9,468	789	273	543	12,373	24,777	24,865	6,354	0	79,169
TOTAL	**18,944**	**789**	**472**	**1,908**	**14,567**	**25,171**	**24,865**	**6,354**	**0**	**92,598**

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	92,598
Other Funding Source	0
Total	**92,598**

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
District 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:

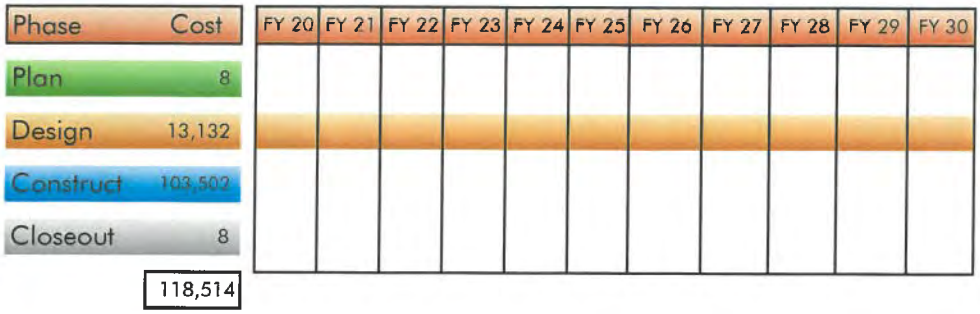
- Stabilize the embankment to withstand a Maximum Credible Earthquake (MCE).
- Modify or replace the outlet works if determined to be inadequate.
- Modify the spillway or increase the freeboard of the dam for safe passage of the Probable Maximum Flood (PMF).
- Provide modifications that do not preclude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

PROJECT LOCATION

★ Project Location

SCHEDULE & STATUS

January 2015 to June 2030



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY19	FY20	FY21	FY22	FY23	FY24	FY25	Future	
91874004 - Calero Dam Seismic Retrofit-Design & Construct	11,483	1,228	1,135	100	100	80	30	104,358	118,514
with inflation	11,483	1,228	1,192	110	116	97	38	153,734	167,999

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY19	FY20		FY21	FY22	FY23	FY24	FY25	Future	
91874004 - Calero Dam Seismic Retrofit-Design & Construct	13,124	408	821	371	110	116	97	38	153,734	167,999

Adjusted Budget includes adopted budget plus approved budget adjustments. Allocated funding exceeds the projected cost of one of the projects listed above by approximately $821,000. Excess funds will be returned to Fund Reserves at the close of the project.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	167,999
Other Funding Source	0
Total	167,999

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
District Contact	Tim Bramer TBramer@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:

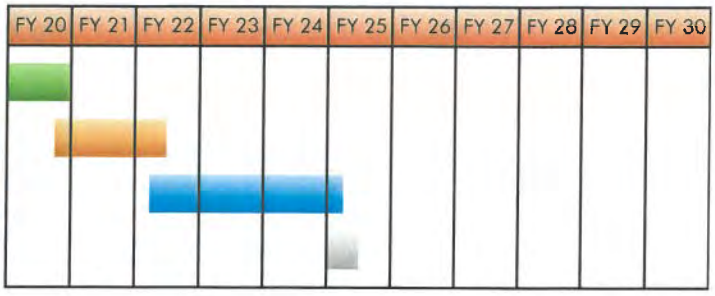
- Replace existing outdated and unsupported ASDs with the latest technology.
- Modify/convert existing six wound rotor motors to be compatible with new stator fed ASD.
- Upgrade the HVAC system to support the additional cooling requirements.
- Modify/upgrade Supervisory Control and Data Acquisition (SCADA)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

PROJECT LOCATION

SCHEDULE & STATUS

July 2017 to October 2024

Phase	Cost
Plan	495
Design	1,194
Construct	12,305
Closeout	65
	14,520



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY19	FY20	FY21	FY22	FY23	FY24	FY25	Future	
91234002-Coyote Pumping Plant ASD Replacement	911	1,027	2,662	5,550	3,735	570	65	0	14,520
with inflation	911	1,027	2,755	5,932	4,136	648	83	0	15,492

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY19	FY20		FY21	FY22	FY23	FY24	FY25	Future	
91234002-Coyote Pumping Plant ASD Replacement	1,235	1,027	324	2,431	5,932	4,136	648	83	0	15,492

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	15,492
Other Funding Sources	0
Total	15,492

OPERATING COST IMPACTS

The completion of this project is anticipated to decrease operating costs by approximately $60,000 per year beginning in FY 2024.

USEFUL LIFE: Not Available

Project	**Coyote Warehouse**
Program	Water Supply - Storage
Project No.	91234011
District Contact	Tim Bramer TBramer@valleywater.org

Storage containers 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 to protect such materials from weather.
- ImproveValley Water's staff efficiency and effectiveness in pipeline maintance work.

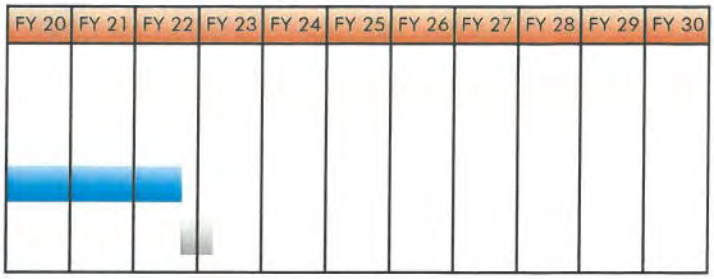
PROJECT LOCATION

★ Project Location

SCHEDULE & STATUS

July 2014 to December 2022

Phase	Cost
Plan	156
Design	883
Construct	3,882
Closeout	60
	9,609



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY19	FY20	FY21	FY22	FY23	FY24	FY25	Future	
91234011-Coyote Warehouse	5,976	3,363	145	65	60	0	0	0	9,609
with inflation	5,976	3,363	152	72	69	0	0	0	9,632

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY19	FY20		FY21	FY22	FY23	FY24	FY25	Future	
91234011-Coyote Warehouse	6,878	2,482	21	131	72	69	0	0	0	9,632

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	9,632
Other Funding Sources	0
Total	**9,632**

OPERATING COST IMPACTS

Operating cost impacts are anticipated and will be determined upon completion of the design phase.

USEFUL LIFE: 50 years

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

Field exploration for seismic stability evaluations

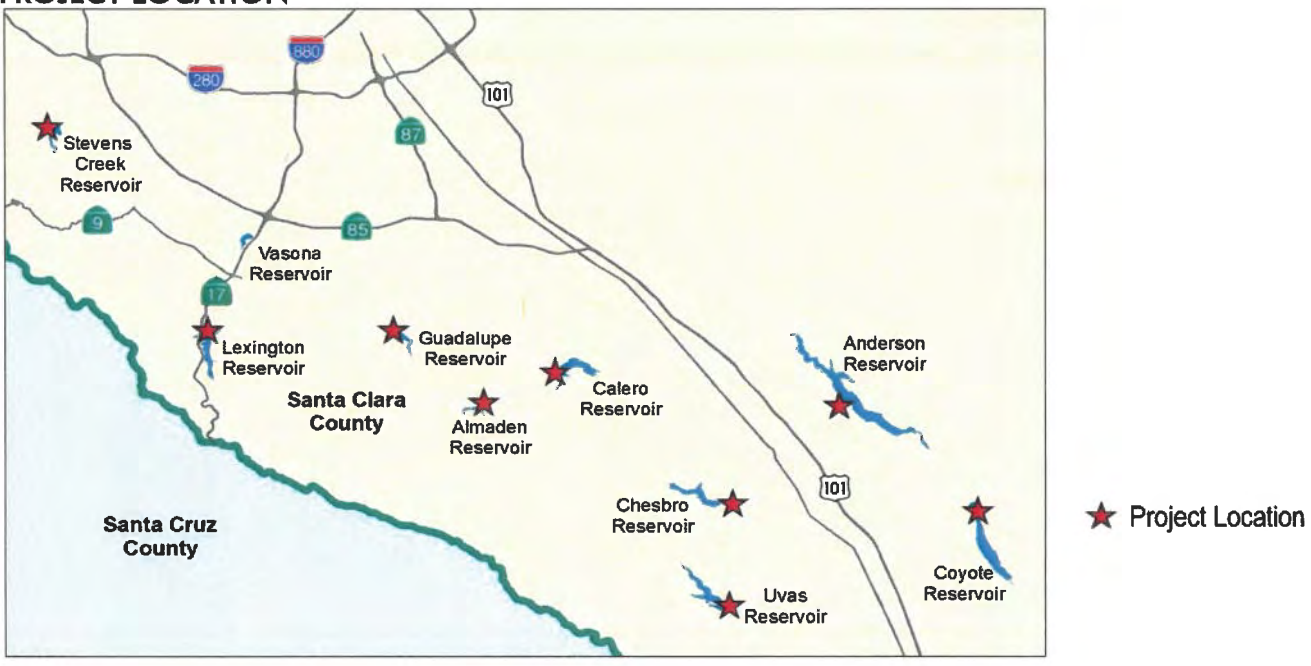
PROJECT DESCRIPTION

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

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

Site-specific planning, design, and construction of dam seismic stability improvements will be funded separately. This project funds preliminary planning (seismic stability evaluation, to determine the need for seismic stability improvements) for eight dams. The seismic stability evaluation for Anderson Dam was completed in a separate project. The seismic analysis for Almaden, Calero, Guadalupe, Lenihan, and Stevens Creek Dams has been completed. The analysis for Coyote, Chesbro and Uvas is continuing through 2020.

PROJECT LOCATION

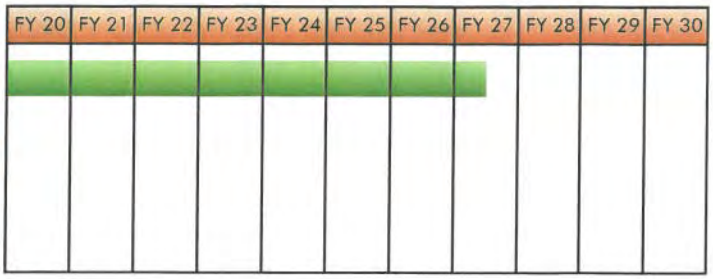


SCHEDULE & STATUS

August 2009 to December 2026

(Planning Phase Only)
Dam Safety Evaluation Report will take 5 years to complete, starting in 2015.

Phase	Cost
Plan	22,768
Design	-
Construct	-
Closeout	-
	27,768



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY19	FY20	FY21	FY22	FY23	FY24	FY25	Future	
91084019-Dam Seismic Stability Evaluations	21,507	729	407	5,000	400	400	350	650	29,443
with inflation	21,507	729	427	5,513	463	486	447	879	30,450

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY19	FY20		FY21	FY22	FY23	FY24	FY25	Future	
91084019-Dam Seismic Stability Evaluations	21,606	631	1	426	5,513	463	486	447	879	30,450

Adjusted Budget includes adopted budget plus a planned budget adjustment of $1,700,000.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	30,450
Other Funding Source	0
Total	**30,450**

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
District Contact	Christopher Hakes CHakes@valleywater.org

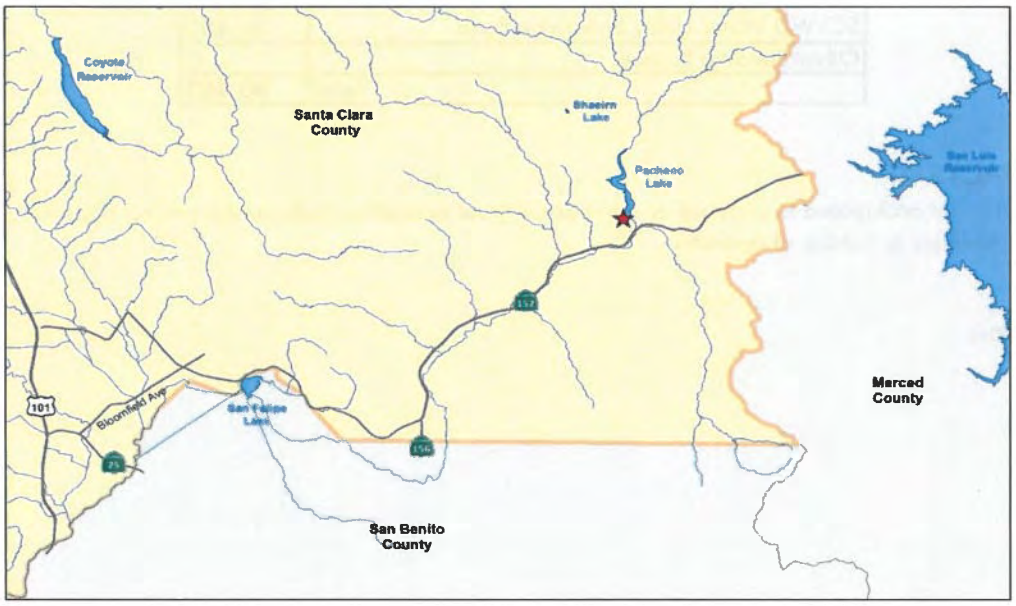
View of Pacheco Reservoir from the dam

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:

- Increase suitable habitat in Pacheco Creek for federally threatened steelhead.
- Increase water supply reliability to help meet municipal and industrial (M&I) 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.
- Avoid supply interruptions when water is needed by increasing the certainty of meeting the requested delivery schedule throughout the year to south-of-Delta contractors dependent on San Luis Reservoir.
- Reduce flood risks along Pacheco Creek and downstream areas.

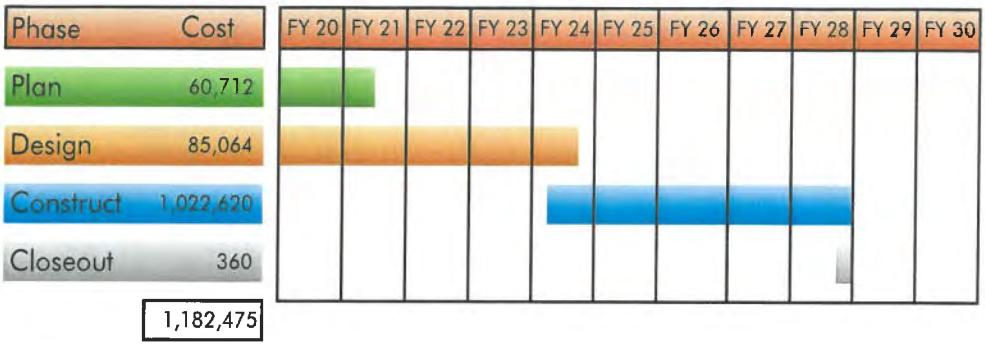
PROJECT LOCATION



★ Project Location

SCHEDULE & STATUS

October 2018 to June 2028



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY19	FY20	FY21	FY22	FY23	FY24	FY25	Future	
91954002-Pacheco Reservoir Expansion Project	16,964	42,057	40,524	29,187	21,223	213,384	203,844	615,293	1,182,475
with inflation	16,964	42,057	42,550	32,179	24,568	243,084	232,878	711,070	1,345,349

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY19	FY20		FY21	FY22	FY23	FY24	FY25	Future	
91954002-Pacheco Reservoir Expansion Project	17,260	42,056	295	42,255	32,179	24,568	243,084	232,878	711,070	1,345,349

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	438,639
California Water Commission	484,550
Other Funding Sources "Unsecured" (WIIN and WIFIA)	250,000
Partnership Contributions	172,160
Total	1,345,349

OPERATING COST IMPACTS

TBD

USEFUL LIFE: TBD

Project	**Small Capital Improvements, San Felipe**
Program	Water Supply – Storage
Project No.	91214010s
District 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 equipment replacement and renewal at facilities contained within 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 and valve structures, pumps and associated equipment, as well as a large, above-ground storage tank. The 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 FY 2020 include:

- 91214010 Reach 1: Refurbish or Rebuild the pump, motor windings and bearings for Pump Units 1 & 6. Fire suppression system installation; Electrical Upgrades; Pacheco pipeline improvements (valves, inspections etc..); Pacheco Conduit for Solar Installation on Rectifiers; Pacheco Pumping Plant (PPP) - Site Security System - Replacement; Pacheco Pump Shop Air Compressor- Replacement; PPP ASD Gallery; HMI SERVER - Replacement; PPP ASD Gallery; Primary Domain Controller (PDC) - Replacement; Pacheco Pump Unit #7 Pump Discharge Guard Valve-Replacement; PPP Totalizing Energy Meter Evaluate System; Discuss and determine if a totaling energy meter is needed to measure incoming power from PWRPA.
- 91224010 Reach 2: CFI/CFO Road Access Fix (culvert replacements); Environmental clearance/permitting.
- 91234010 Reach 3: Replace existing end-of-life staff trailers. Purchase and install mezanine and shelving in new warehouse.

All active projects have positive NPV saving at feasibility study phase 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
Plan	n/a
Design	n/a
Construct	n/a
Closeout	n/a
	33,186

FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY19	FY20	FY21	FY22	FY23	FY24	FY25	Future	
91214010-Small Capital Improvements, San Felipe Reach 1	n/a	5,716	1,791	1,473	94	89	1,864	16,844	27,871
with inflation	n/a	5,716	1,881	1,624	109	108	2,379	25,110	36,927
91224010-Small Capital Improvements, San Felipe Reach 2	n/a	867	0	0	0	0	0	10	877
with inflation	n/a	867	0	0	0	0	0	12	879
91234010-Small Capital Improvements, San Felipe Reach 3	n/a	850	91	1,011	0	45	9	2,432	4,438
with inflation	n/a	850	96	1,115	0	55	11	3,383	5,510
TOTAL	**0**	**7,433**	**1,882**	**2,484**	**94**	**134**	**1,873**	**19,286**	**33,186**
with inflation	0	**7,433**	**1,976**	2,739	**109**	**163**	2,390	28,506	43,315

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY19	FY20		FY21	FY22	FY23	FY24	FY25	Future	
91214010-Small Capital Improvements, San Felipe Reach 1	n/a	5,716	0	1,881	1,624	109	108	2,379	25,110	36,927
91224010-Small Capital Improvements, San Felipe Reach 2	n/a	866	0	0	0	0	0	0	12	878
91234010-Small Capital Improvements, San Felipe Reach 3	n/a	850	0	96	1,115	0	55	11	3,383	5,510
TOTAL	0	7,432	0	1,976	2,739	109	163	2,390	28,506	43,314

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	37,948
San Benito County Water District	5,366
Total	**43,314**

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

Transmission Facilities

- 142 Miles of Pipelines
- 3 Pump Stations
- 12 Capital Projects

Project	**10-Year Pipeline Inspection & Rehabilitation**
Program	Water Supply – Transmission
Project No.	95084002
District Contact	Tim Bramer TBramer@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, design for renewal of Valley Water's large pipelines and tunnels. The project work 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, Accoustic Fiber Optical Monitoring of PCCP, and transient pressure monitoring systems.
- Development of a Pipeline Asset Risk Management System that includes GIS, databases, algorithms, models, data acquisition, program documents, and decision support systems.

The first 5 years will include inspection and renewal work along the various pipelines and tunnels as identified below:

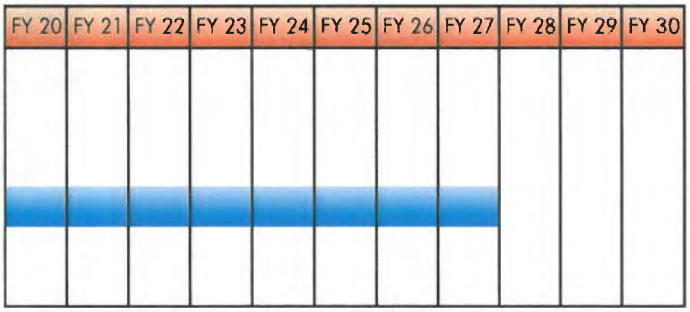
- 2019: Cross Valley Pipeline and Calero Pipeline
- 2020: Parallel East Pipeline
- 2021: Central Pipeline, Pacheco Tunnel
- 2022: Santa Clara Tunnel, Santa Clara Conduit, Snell Pipeline, Anderson Force Main
- 2023: Almaden Valley Pipeline, Santa Teresa Force Main, West Pipeline

PROJECT LOCATION

SCHEDULE & STATUS

July 2017 to June 2027

Phase	Cost
Plan	2,897
Design	14,902
Construct	80,231
Closeout	372
	105,680



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY19	FY20	FY21	FY22	FY23	FY24	FY25	Future	
95084002-10-Year Pipeline Inspection & Rehabilitation	28,561	35,357	14,370	4,880	4,270	4,910	5,325	8,007	105,680
with inflation	28,561	35,357	14,911	5,297	4,813	5,788	6,533	10,300	111,560

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY19	FY20		FY21	FY22	FY23	FY24	FY25	Future	
95084002-10-Year Pipeline Inspection & Rehabilitation	37,854	26,064	0	14,911	5,297	4,813	5,788	6,533	10,300	111,560

Adjusted Budget includes adopted budget plus a planned budget adjustment of $1,279,000

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	111,560
Other Funding Sources	0
Total	111,560

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
District Contact	Tim Bramer TBramer@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 (USBR San Felipe System). The AVP was constructed in two major units/phases: Unit 1 was constructed in the 1960's and Unit 2 was constructed in the 1980's. The AVP is approximately 12 miles in length consisting of 72-inch up to 78-inch diameter prestressed concrete cylinder pipe (PCCP, approximately 7.5 miles), welded steel pipe and bar wrapped pipe (WSP and BWP, approximately 4.2 miles).

PROJECT LOCATION

SCHEDULE & STATUS

July 2019 to June 2021

Phase	Cost
Plan	8,334
Design	10,127
Construct	43,769
Closeout	-
	62,230

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures						Total
Project	FY19	FY20	FY21	FY22	FY23	FY24	FY25	Future	
92304001-Almaden Valley Pipeline Replacement	0	0	636	792	1,147	2,160	1,587	55,908	62,230
with inflation	0	0	668	873	1,328	2,625	2,025	82,157	89,677

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY19	FY20		FY21	FY22	FY23	FY24	FY25	Future	
92304001-Almaden Valley Pipeline Replacement	0	0	0	668	873	1,328	2,625	2,025	82,157	89,677

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

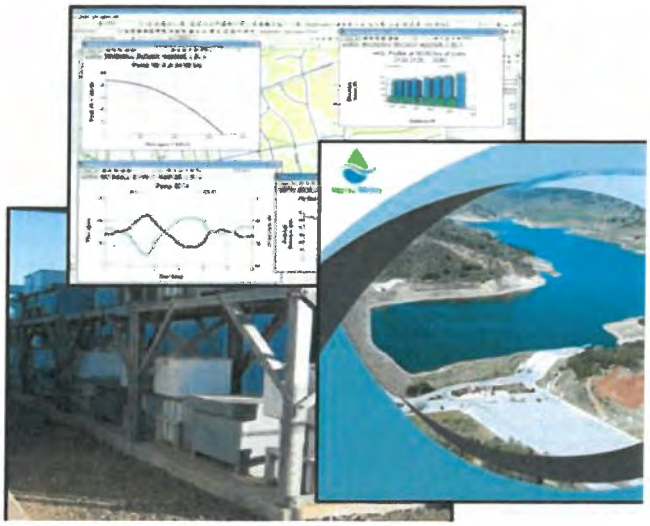
SCVWD Water Utility Enterprise Fund	89,677
Other Funding Sources	0
Total	**89,677**

OPERATING COST IMPACTS

TBD

USEFUL LIFE: TBD

Project	**Distribution System Implementation Plan**
Program	Water Supply - Transmission
Project No.	95044001
District Contact	Garth Hall GHall@valleywater.org

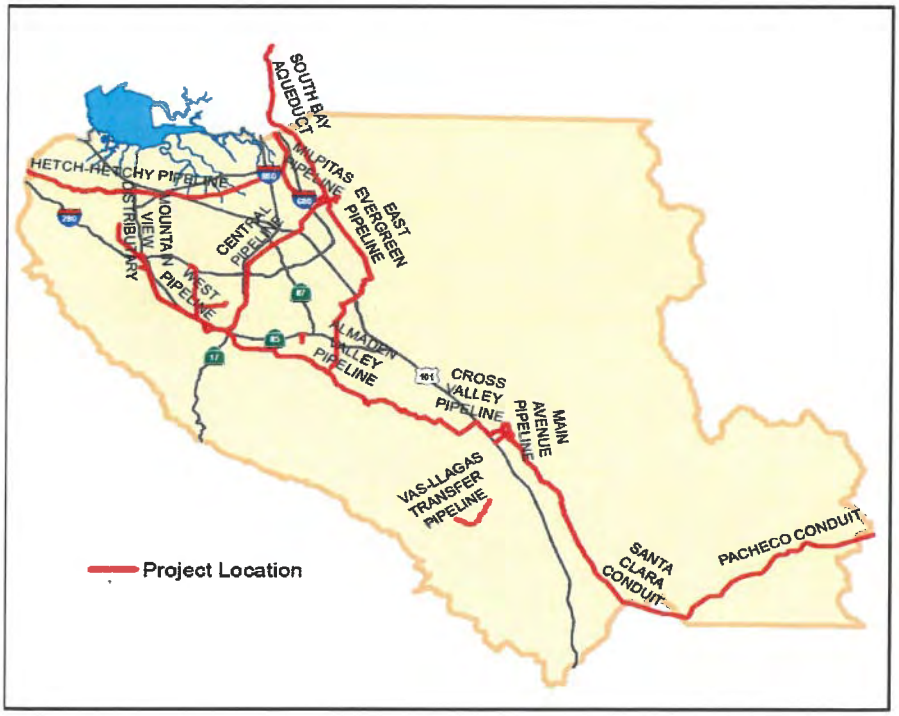


Distribution System Implementation Plan

PROJECT DESCRIPTION

Project will involve development and implementation of a Distribution Systems Master Plan, yielding recommended capital actions needed to protect existing raw and treated water distribution systems and to accommodate new project and programs, helping to ensure safe and clean water delivery for Santa Clara County.

PROJECT LOCATION

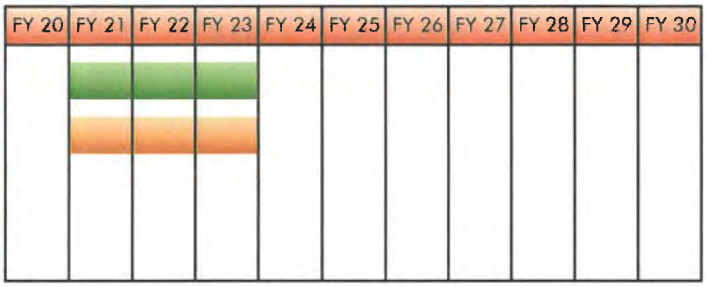


Project Location

SCHEDULE & STATUS

July 2019 to June 2021

Phase	Cost
Plan	6,930
Design	365
Construct	-
Closeout	-
	7,295



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures						Total
Project	FY19	FY20	FY21	FY22	FY23	FY24	FY25	Future	
95044001-Distribution System Implementation Plan	0	0	2,419	2,433	2,443	0	0	0	7,295
with inflation	0	0	2,540	2,682	2,828	0	0	0	8,050

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY19	FY20		FY21	FY22	FY23	FY24	FY25	Future	
95044001-Distribution System Implementation Plan	0	0	0	2,540	2,682	2,828	0	0	0	8,050

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	8,050
Other Funding Sources	0
Total	**8,050**

OPERATING COST IMPACTS

TBD

USEFUL LIFE: TBD

Project	**FAHCE Implementation**
Program	Water Supply - Transmission
Project No.	92C40357
District 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 with the State Water Resources Control Board (SWRCB) alleging Valley Water's exercise of its appropriative water rights in Coyote Creek, Guadalupe River and Stevens Creek and their tributaries (Three Creeks) was not providing adequate flows for the protection of fisheries and other aquatic resources. A negotiation process (i.e. Fish and Aquatic Habitat Collaborative Effort [FAHCE]) ensued and resulted in the initialing of the FAHCE Settlement Agreement in 2003 by GCRCD, U.S. Fish and Wildlife, National Marine Fisheries Service, California Department of Fish and Wildlife, and other parties. The FAHCE Settlement Agreement includes a proposed FAHCE program that was reviewed by staff of the State and Federal resource management agencies, and will again receive regulatory review as it undergoes environmental impact review prior to implementation to ensure compliance with all applicable laws. The FAHCE program focuses on habitat improvements for steelhead and chinook salmon and is intended to comprehensively address and resolve all issues in the water rights complaint and any related issues arising under State and Federal laws that concern the impacts of Valley Water's facilities and operation on the beneficial uses of the Three Creeks. Once environmental impact review of the FAHCE program is completed, it will be submitted to the SWRCB and included in Valley Water's Three Creek appropriative water rights. The FAHCE program consists of reservoir reoperations to support salmonid spawning, rearing and migration; fish passage remediation and aquatic habitat restoration measures; and an adaptive management program.

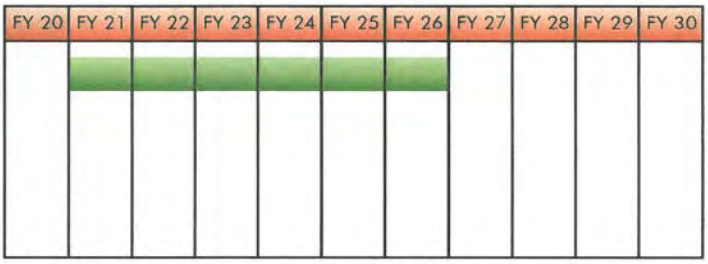
PROJECT LOCATION

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
Plan	145,108
Design	-
Construct	-
Closeout	-
	145,108



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures						Total
Project	FY19	FY20	FY21	FY22	FY23	FY24	FY25	Future	
92C40357-FAHCE Implementation	0	0	4,739	4,379	14,691	14,690	15,858	90,751	145,108
with inflation	0	0	4,739	4,379	14,691	14,690	15,858	90,751	145,108

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY19	FY20		FY21	FY22	FY23	FY24	FY25	Future	
92C40357-FAHCE Implementation	0	0	0	4,739	4,379	14,691	14,690	15,858	90,751	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 vary, depending on the requirements for maintenance 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
District Contact	Tim Bramer TBramer@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, Project A3. For a full description of the SCW benefits and KPI's, please visit www.valleywater.org.

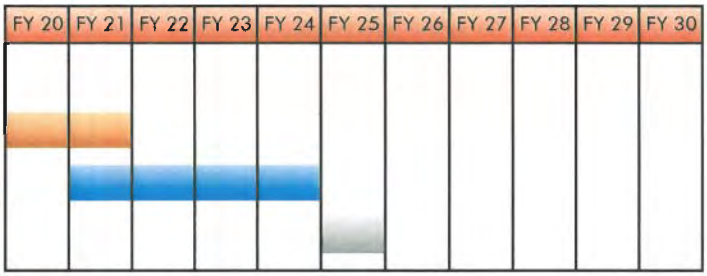
PROJECT LOCATION

SCHEDULE & STATUS

July 2018 to June 2025

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

Phase	Cost
Plan	308
Design	1,388
Construct	8,728
Closeout	70
	10,496



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY19	FY20	FY21	FY22	FY23	FY24	FY25	Future	
26764001-IRP2 Additional Line Valves	279	1,152	2,449	4,364	2,182	0	70	0	10,496
with inflation	279	1,152	2,538	4,674	2,419	0	89	0	11,152

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY19	FY20		FY21	FY22	FY23	FY24	FY25	Future	
26764001-IRP2 Additional Line Valves	1,090	399	58	2,480	4,674	2,419	0	89	0	11,152

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Safe Clean Water Fund	11,152
Other Funding Source	0
Total	**11,152**

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: 35 Years

Project Main & Madrone Pipelines Restoration
Program Water Supply - Transmission
District Contact Tim Bramer TBramer@valleywater.org **Project No.** 26564001

Main Avenue Ponds facing North

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

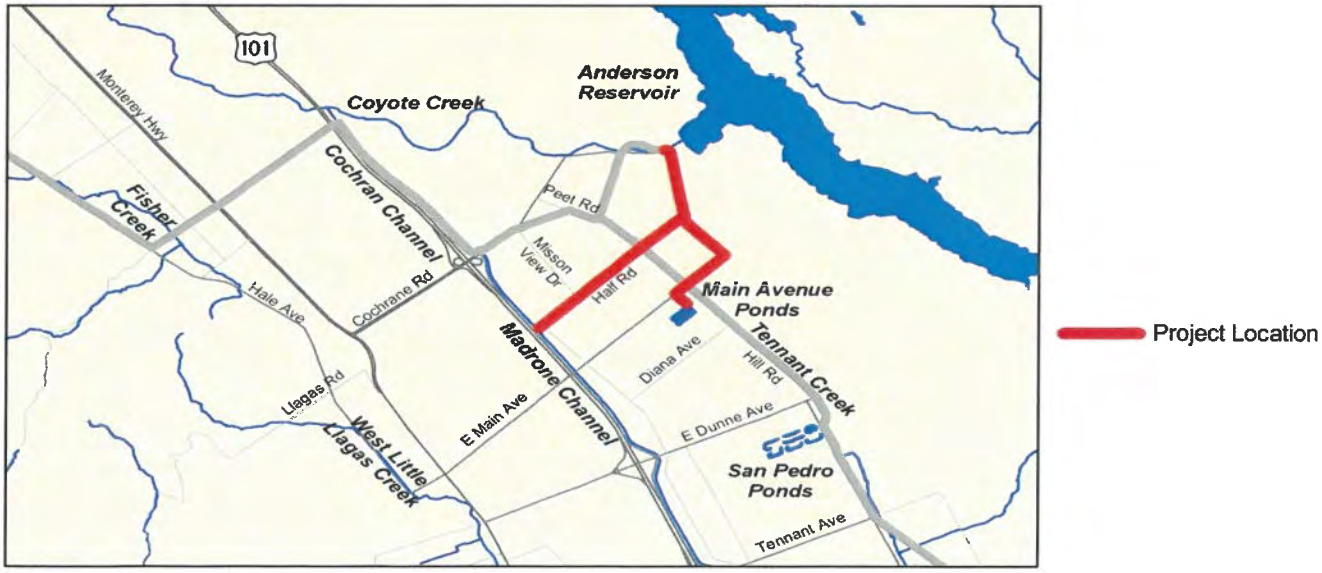
PROJECT DESCRIPTION

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, Project A1. For a full description of the SCW benefits and KPI's, please visit www.valleywater.org.

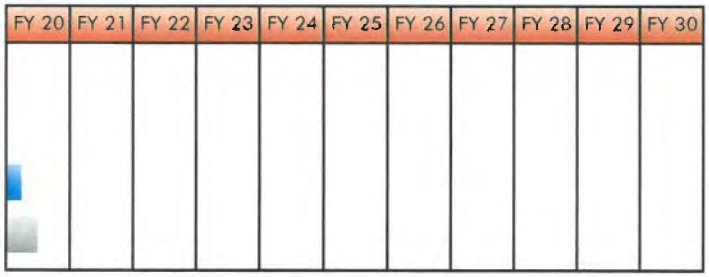
PROJECT LOCATION



SCHEDULE & STATUS

July 2014 to December 2019

Phase	Cost
Plan	345
Design	3,088
Construct	12,725
Closeout	90
	17,570



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures						Total
Project	FY19	FY20	FY21	FY22	FY23	FY24	FY25	Future	
26564001-Main & Madrone Pipelines Restoration	17,306	264	0	0	0	0	0	0	17,570
with inflation	17,306	264	0	0	0	0	0	0	17,570

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY19	FY20		FY21	FY22	FY23	FY24	FY25	Future	
26564001-Main & Madrone Pipelines Restoration	17,236	334	0	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	11,216
Total	**17,570**

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
District Contact	Christopher Hakes CHakes@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

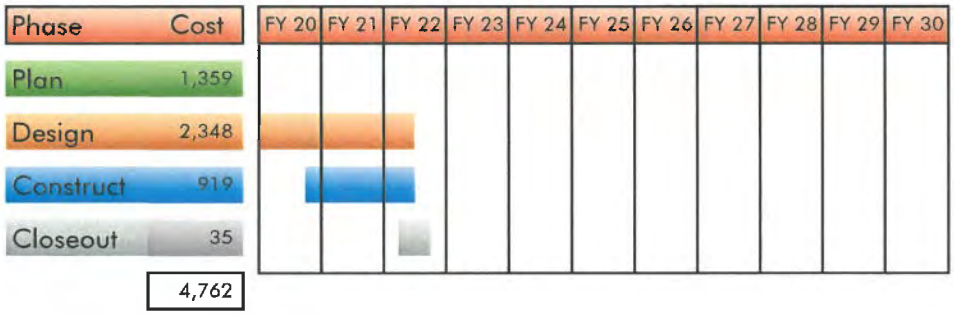
This project plans, designs, and constructs improvements related to the acquisition of right-of-way along the South County Pipeline to accomplish the following objectives:

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

PROJECT LOCATION

SCHEDULE & STATUS

July 2009 to March 2021



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY19	FY20	FY21	FY22	FY23	FY24	FY25	Future	
92144001-Pacheco/Santa Clara Conduit Right of Way Acquisition	1,680	1,550	1,251	281	0	0	0	0	4,762
with inflation	1,680	1,550	1,312	308	0	0	0	0	4,850

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY19	FY20		FY21	FY22	FY23	FY24	FY25	Future	
92144001-Pacheco/Santa Clara Conduit Right of Way Acquisition	3,627	0	397	915	308	0	0	0	0	4,850

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	4,823
San Benito County Water District	27
Total	**4,850**

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $8,000 per year, beginning in FY 2020, 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
District Contact	Bhavani Yerrapotu BYerrapotu@valleywater.org

PROJECT DESCRIPTION

The process control/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 coordinated replacement and upgrade.

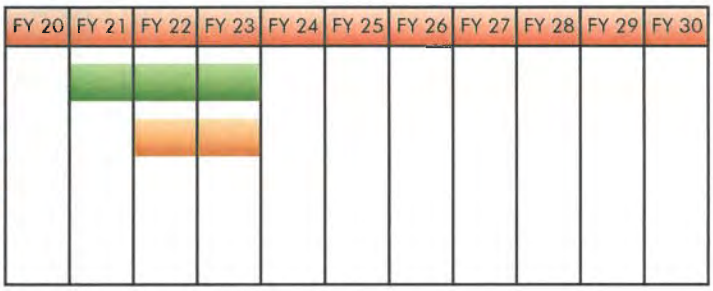
The proper functioning of these systems is essential for meeting water demand, maintaining water quality, achieving regulatory compliance, and satisfying customer expectations. In addition, the process control/SCADA systems provide important data used by Operations, Maintenance, Water Quality, Management and other Engineering staff for operations, reporting, analysis, and planning purposes, but more and better access to that information is needed for the efficient operation and management of the complex facilities and systems involved.

PROJECT LOCATION

SCHEDULE & STATUS

July 2019 to June 2021

Phase	Cost
Plan	4,364
Design	1,694
Construct	-
Closeout	-
	6,058



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures						Total
Project	FY19	FY20	FY21	FY22	FY23	FY24	FY25	Future	
95044002-SCADA Implementation Project	0	0	1,780	1,780	2,498	0	0	0	6,058
with inflation	0	0	1,869	1,962	2,892	0	0	0	6,723

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY19	FY20		FY21	FY22	FY23	FY24	FY25	Future	
95044002-SCADA Implementation Project	0	0	0	1,869	1,962	2,892	0	0	0	6,723

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	6,723
Other Funding Sources	0
Total	**6,723**

OPERATING COST IMPACTS

TBD

USEFUL LIFE: TBD

Project	**Small Capital Improvements, Raw Water Transmission**
Program	Water Supply – Transmission
Project No.	92764009
District Contact	Aaron Baker ABaker@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 FY 20 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
Plan	n/a
Design	n/a
Construct	n/a
Closeout	n/a
	n/a

FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY19	FY20	FY21	FY22	FY23	FY24	FY25	Future	
92764009-Small Capital Improvements, Raw Water Transmission	n/a	1,215	78	62	16	335	1,637	3,096	6,439
with inflation	n/a	1,215	82	68	19	407	2,089	4,720	8,600

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY19	FY20		FY21	FY22	FY23	FY24	FY25	Future	
92764009-Small Capital Improvements, Raw Water Transmission	n/a	1,215	0	82	68	19	407	2,089	4,720	8,600

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	8,600
Other Funding Source	0
Total	**8,600**

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
District Contact	Aaron Baker ABaker@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 FY20 include:

- Treated water meter replacements.

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
Plan	n/a
Design	n/a
Construct	n/a
Closeout	n/a
	n/a

FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY19	FY20	FY21	FY22	FY23	FY24	FY25	Future	
94764006-Small Capital Improvements, Treated Water Transmission	n/a	178	0	34	36	26	100	177	551
with inflation	n/a	178	0	37	42	32	128	259	675

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY19	FY20		FY21	FY22	FY23	FY24	FY25	Future	
94764006-Small Capital Improvements, Treated Water Transmission	n/a	178	0	0	37	42	32	128	259	675

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	675
Other Funding Source	0
Total	**675**

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
District Contact	Tim Bramer TBramer@valleywater.org

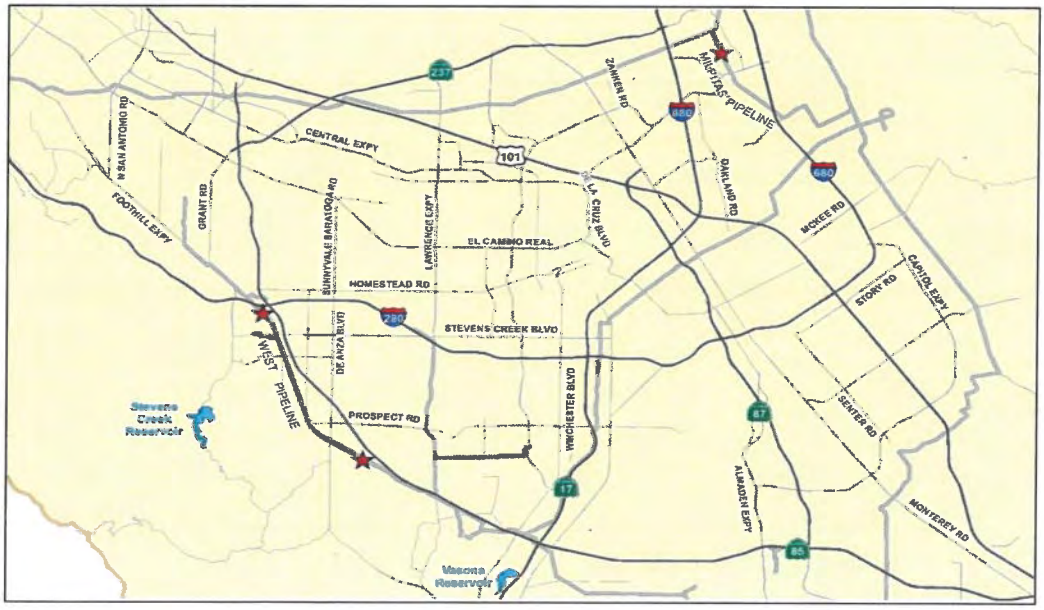
New line valves similar to this will be installed at three locations within the treated water system.

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

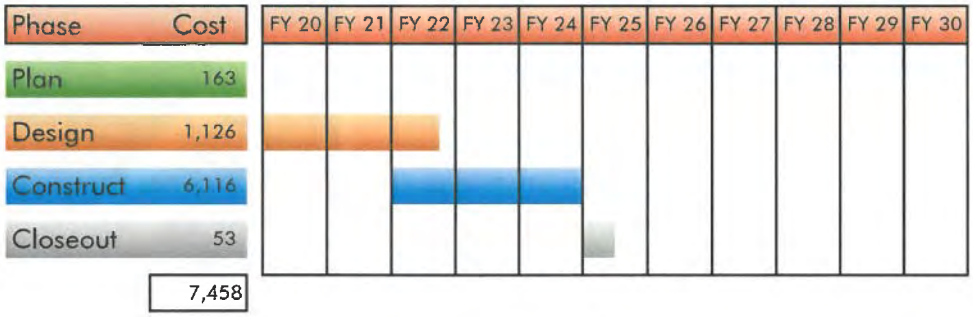


★ Project Location

SCHEDULE & STATUS

December 2018 to December 2024

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



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY19	FY20	FY21	FY22	FY23	FY24	FY25	Future	
94084007-Treated Water Isolation Valves	15	1,257	79	2,018	2,018	2,018	53	0	7,458
with inflation	15	1,257	83	2,161	2,237	2,315	68	0	8,135

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY19	FY20		FY21	FY22	FY23	FY24	FY25	Future	
94084007-Treated Water Isolation Valves	529	743	0	83	2,161	2,237	2,315	68	0	8,135

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	8,135
Other Funding Sources	0
Total	**8,135**

OPERATING COST IMPACTS

The operating budget impact for the three proposed line valve facilities is estimated to be $21,000 per year beginning in FY22.

USEFUL LIFE: 50 Years

Project	**Vasona Pump Station Upgrade**
Program	Water Supply – Transmission
Project No.	92264001
District Contact	Tim Bramer TBramer@valleywater.org

Vasona Pumping Plant pump

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:

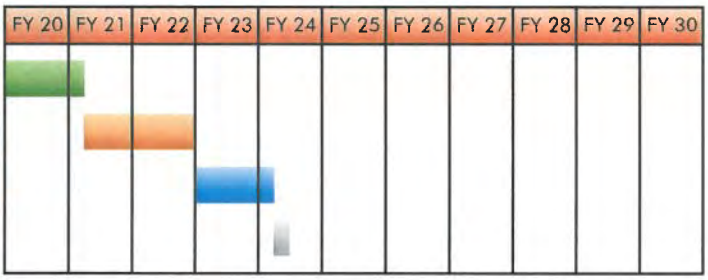
- Eliminate the risk of failure by replacing assets that have reached the end of their useful life, including four pumps (two 200 horsepower, two 400 horsepower) and associated motors, drives, electrical and control systems, as well as pump discharge and suction valves and actuators.
- Increase operational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

PROJECT LOCATION

SCHEDULE & STATUS

July 2017 to June 2023

Phase	Cost
Plan	1,315
Design	1,531
Construct	18,770
Closeout	70
	22,427



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY19	FY20	FY21	FY22	FY23	FY24	FY25	Future	
92264001-Vasona Pump Station Upgrade	1,097	809	1,351	18,700	400	70	0	0	22,427
with inflation	1,097	809	1,419	19,894	463	85	0	0	23,766

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY19	FY20		FY21	FY22	FY23	FY24	FY25	Future	
92264001-Vasona Pump Station Upgrade	1,380	526	0	1,419	19,894	463	85	0	0	23,766

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	23,766
Other Funding Sources	0
Total	**23,766**

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $70,000 per year beginning in FY 2023.

USEFUL LIFE: 50 Years

Project	**Westside Retailer Interties**
Program	Water Supply – Transmission
Project No.	94084008
District Contact	Tim Bramer TBramer@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:

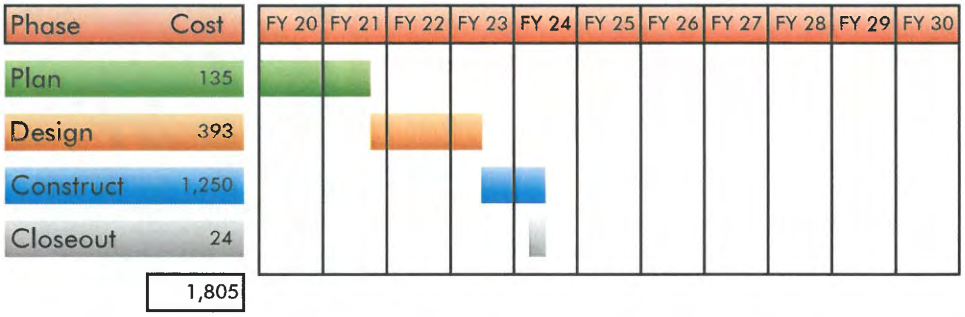
- Improve service levels to the West treated water system customers in a major hazard event or system outage.
- Improve Valley Water's ability to take sections of the West treated water distribution system out of service for maintenance activities.

PROJECT LOCATION

★ Project Location

SCHEDULE & STATUS

April 2018 to November 2023



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY19	FY20	FY21	FY22	FY23	FY24	FY25	Future	
94084008-Westside Retailer Interties	72	6	64	328	1,239	96	0	0	1,805
with inflation	72	6	67	362	1,376	117	0	0	1,999

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY19	FY20		FY21	FY22	FY23	FY24	FY25	Future	
94084008-Westside Retailer Interties	147	0	69	0	360	1,376	117	0	0	1,999

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

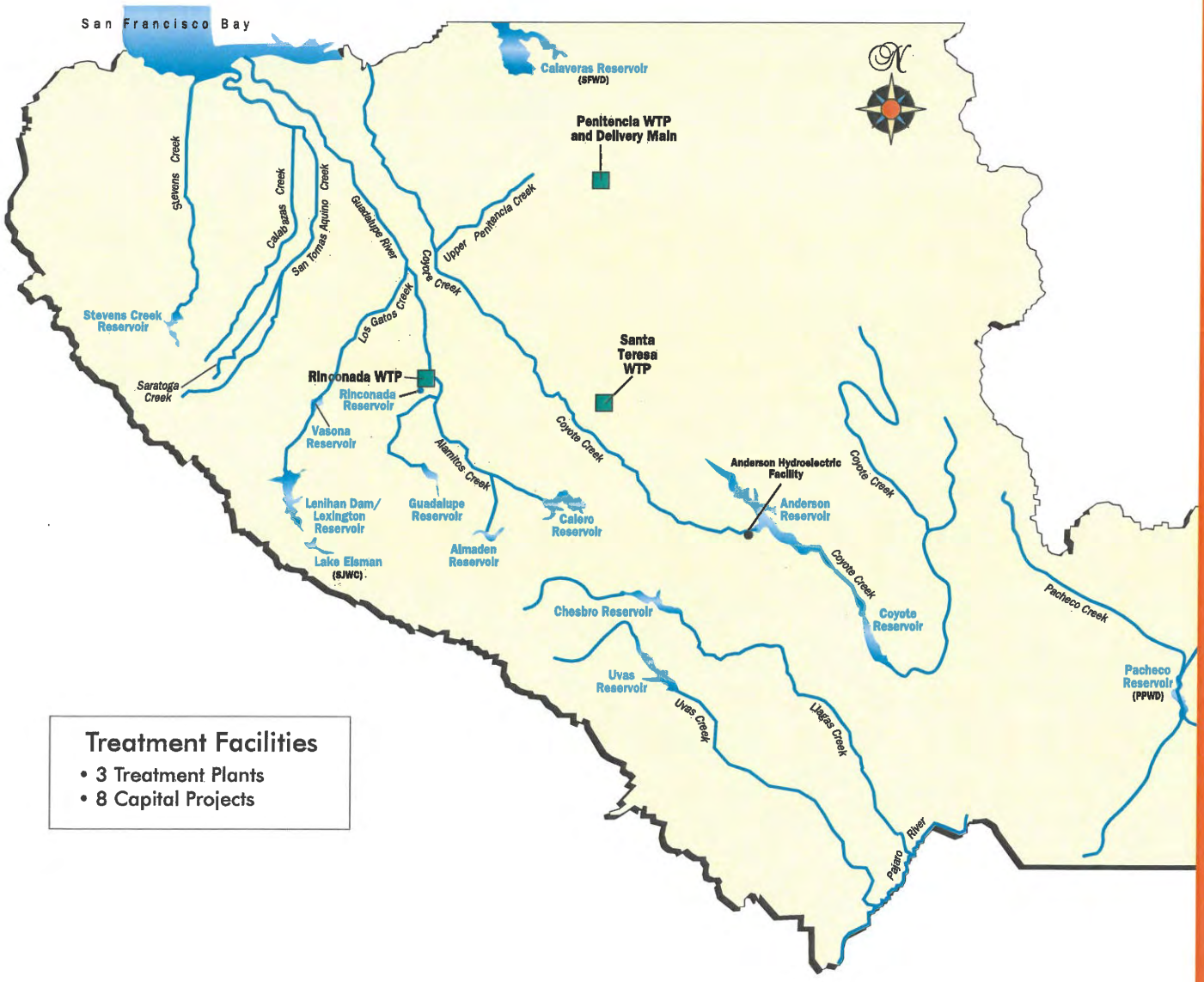
SCVWD Water Utility Enterprise Fund	1,999
Other Funding Sources	0
Total	**1,999**

OPERATING COST IMPACTS

The operating budget impact for the two proposed Interties is estimated to be $11,000 per year beginning in FY22.

USEFUL LIFE: 50 Years

Treatment Facilities



Project PWTP Residuals Management
Program Water Supply - Treatment
District Contact Tim Bramer tbramer@valleywater.org **Project No.** 93234044

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.

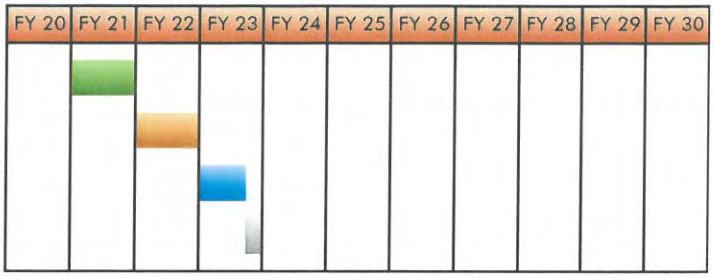
PROJECT LOCATION

★ Project Location

SCHEDULE & STATUS

July 2020 to June 2023

Phase	Cost
Plan	650
Design	1,300
Construct	6,925
Closeout	-
	8,875



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY19	FY20	FY21	FY22	FY23	FY24	FY25	Future	
93234044-PWTP Residuals Management	0	0	650	1,300	6,925	0	0	0	8,875
with inflation	0	0	683	1,433	7,627	0	0	0	9,743

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY19	FY20		FY21	FY22	FY23	FY24	FY25	Future	
93234044-PWTP Residuals Management	0	0	0	683	1,433	7,627	0	0	0	9,743

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	9,743
Other Funding Sources	0
Total	9,743

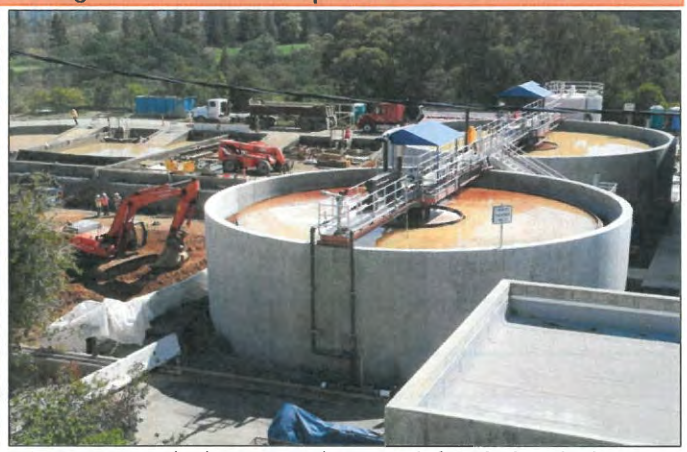
OPERATING COST IMPACTS

Operating cost impacts will be determined during the construction phase.

USEFUL LIFE: Not Available

Project RWTP Residuals Remediation
Program Water Supply - Treatment
District Contact Tim Bramer tbramer@valleywater.org **Project No.** 93294051s

Centrifuge for mechanical dewatering of sludge



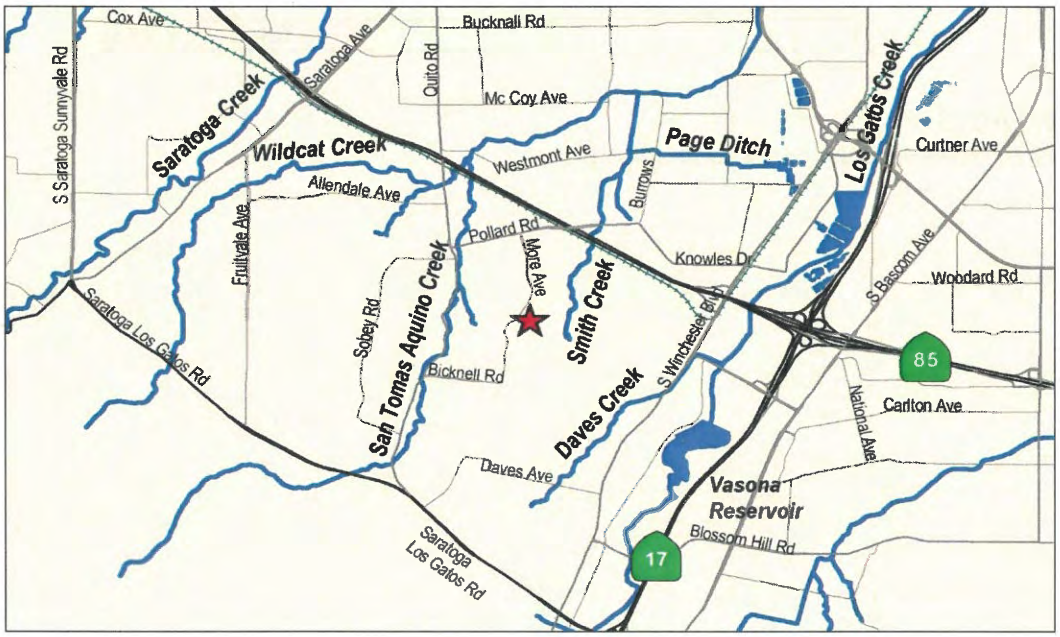
New gravity thickeners and mix tank for sludge thickening and blending

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.

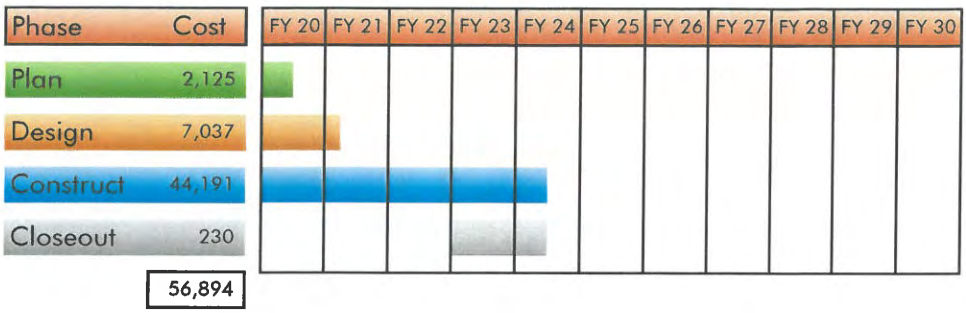
PROJECT LOCATION



★ Project Location

SCHEDULE & STATUS

July 2008 to December 2023



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY19	FY20	FY21	FY22	FY23	FY24	FY25	Future	
93294051-RWTP FRP Residuals Management	31,632	261	0	0	0	0	0	0	31,893
with inflation	31,632	261	0	0	0	0	0	0	31,893
93294058-RWTP Residuals Remediation	4,373	2,635	13,573	1,630	2,235	555	0	0	25,001
with inflation	4,373	2,635	14,032	1,797	2,555	675	0	0	26,066
TOTAL	**36,005**	**2,896**	**13,573**	**1,630**	**2,235**	**555**	**0**	**0**	**56,894**
with inflation	**36,005**	**2,896**	**14,032**	**1,797**	**2,555**	**675**	**0**	**0**	**57,959**

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY19	FY20		FY21	FY22	FY23	FY24	FY25	Future	
93294051-RWTP FRP Residuals Management	38,573	0	6,680	0	0	0	0	0	0	38,573
93294058-RWTP Residuals Remediation	5,000	2,632	624	13,408	1,797	2,555	675	0	0	26,066
TOTAL	43,573	2,632	7,304	13,408	1,797	2,555	675	0	0	64,639

Adjusted Budget includes adopted budget plus approved budget adjustments. Funding exceeds planned expenditures by approximately $6,680,000. Excess funding will be returned to reserves upon completionof the project.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	64,639
Other Funding Source	0
Total	**64,639**

OPERATING COST IMPACTS

The completion of this project is anticipated to decrease annual operating costs by approximately $200,000 per year starting in 2021.

USEFUL LIFE:

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

Project RWTP Reliability Improvement
Program Water Supply - Treatment
District Contact Tim Bramer tbramer@valleywater.org **Project No.** 93294057

Aerial view of the
Rinconada Water Treatment Plant facing west

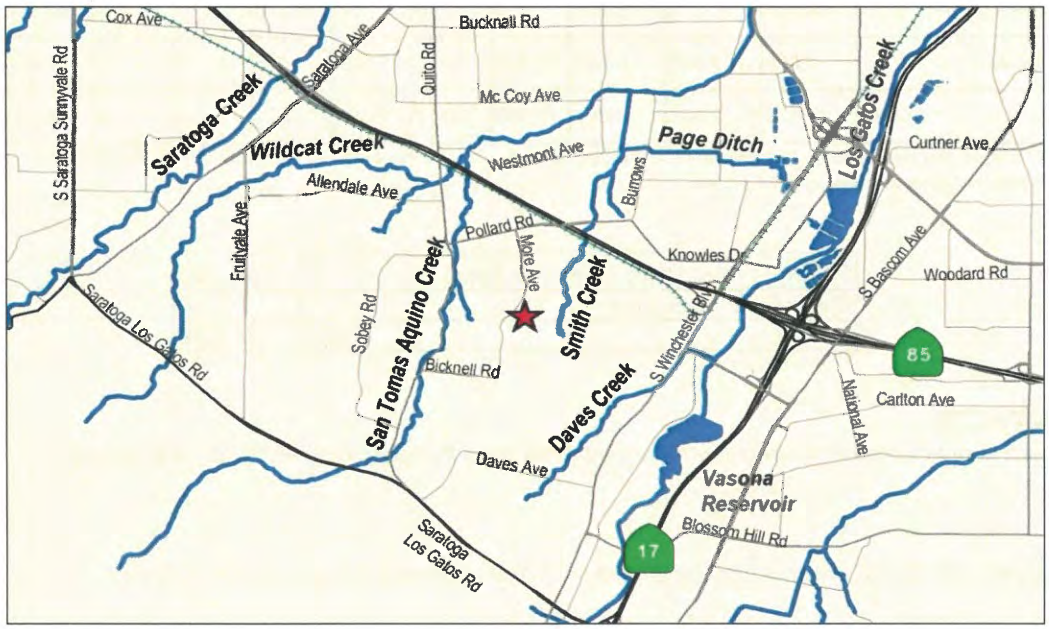
Artist rendering of the aerial view of the Rinconada
Water Treatment Plant facing south after construction

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 plant capacity to 100 million gallons per day (MGD).

PROJECT LOCATION

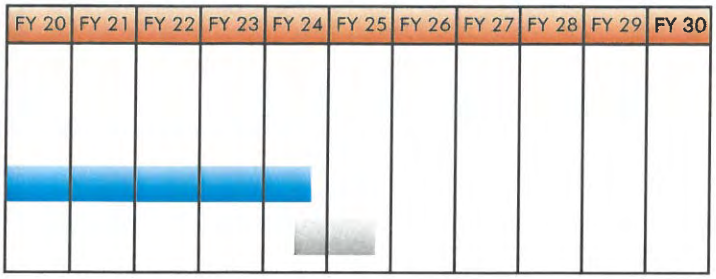


★ Project Location

SCHEDULE & STATUS

July 2009 to December 2022

Phase	Cost
Plan	1,934
Design	19,768
Construct	263,399
Closeout	120
	322,055



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY19	FY20	FY21	FY22	FY23	FY24	FY25	Future	
93294057-RWTP Reliability Improvement	187,196	19,976	39,486	35,799	25,073	14,425	100	0	322,055
with inflation	187,196	19,976	40,835	37,126	26,649	15,987	128	0	327,897

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY19	FY20		FY21	FY22	FY23	FY24	FY25	Future	
93294057-RWTP Reliability Improvement	197,597	14,566	4,991	35,844	37,126	26,649	15,987	128	0	327,897

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

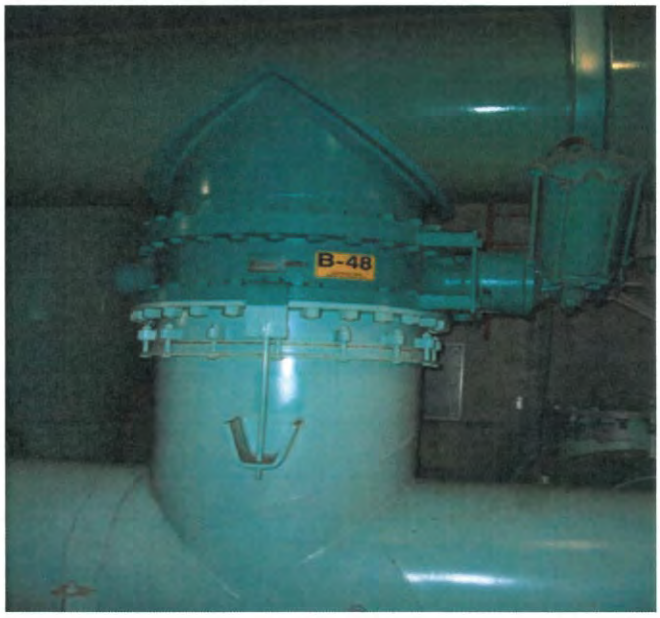
SCVWD Water Utility Enterprise Fund	327,897
Other Funding Source	0
Total	**327,897**

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $1.4 million per year, beginning in FY 2023. 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
District Contact	Tim Bramer tbramer@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 Ronconada 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 (FRP), this project will accomplish the following objectives:

- Ensure plant operational reliability.
- Improve ability to maintain the plant.
- 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.

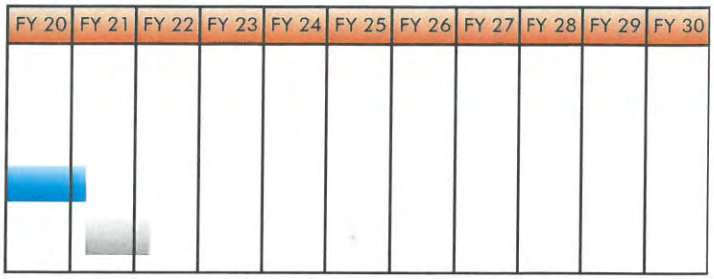
PROJECT LOCATION

★ Project Location

SCHEDULE & STATUS

July 2009 to June 2020

Phase	Cost
Plan	465
Design	1,571
Construct	6,556
Closeout	10
	8,624



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY19	FY20	FY21	FY22	FY23	FY24	FY25	Future	
93294056-RWTP Treated Water Valves Upgrade	8,276	200	138	10	0	0	0	0	8,624
with inflation	8,276	200	142	11	0	0	0	0	8,629

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY19	FY20		FY21	FY22	FY23	FY24	FY25	Future	
93294056-RWTP Treated Water Valves Upgrade	8,603	21	148	0	5	0	0	0	0	8,629

Adjusted Budget includes adopted budget plus approved budget adjustments

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	8,629
Other Funding Source	0
Total	**8,629**

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
District Contact	Aaron Baker ABaker@valleywater.org

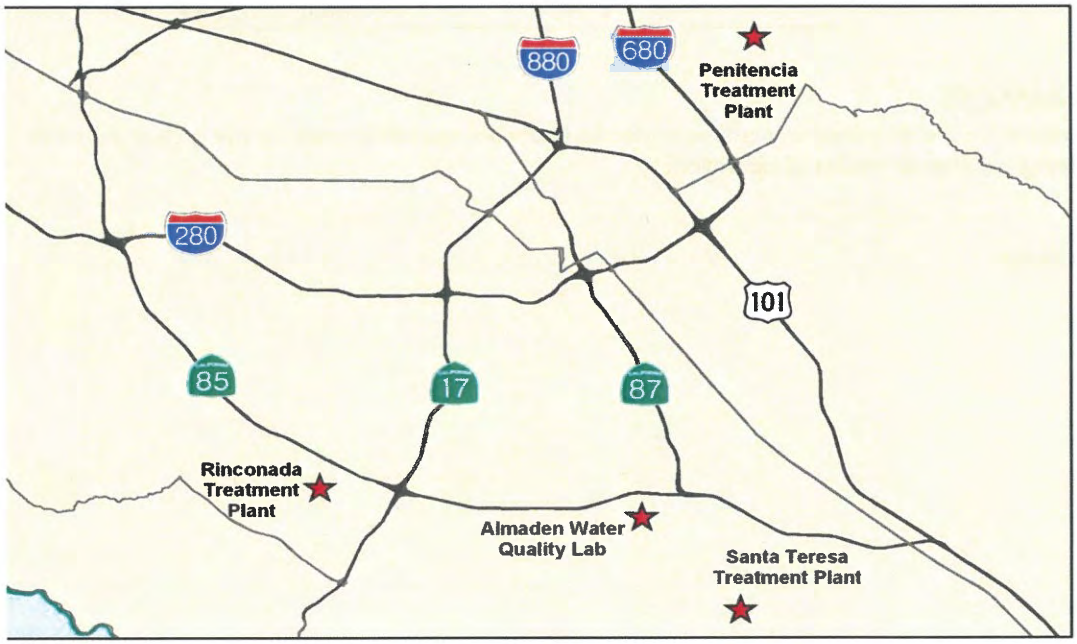
Sludge pond sediment removal at Santa Teresa Water Treatment Plant

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 included in 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 (SVAWPC) include:

- Provide engineering, supplies, and services support for the Sulfuric Acid Water Quality project.
- Purchase Laboratory Information Management System (LIMS).
- 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
Plan	n/a
Design	n/a
Construct	n/a
Closeout	n/a
	n/a

FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY19	FY20	FY21	FY22	FY23	FY24	FY25	Future	
93764004-Small Capital Improvements, Water Treatment	n/a	11,353	3,280	3,095	1,096	4,716	2,658	18,949	45,147
with inflation	n/a	11,353	3,444	3,412	1,269	5,732	3,392	27,230	55,833

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY19	FY20		FY21	FY22	FY23	FY24	FY25	Future	
93764004-Small Capital Improvements, Water Treatment	n/a	11,353	0	3,444	3,412	1,269	5,732	3,392	27,230	55,833

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	55,833
Other Funding Source	0
Total	**55,833**

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
District Contact	Tim Bramer Tbramer@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 media.
- Replace the filter media in all twelve filters with sand and Granular Activated Carbon (GAC).
- Replace the filter's damaged or deteriorated collection nozzles.

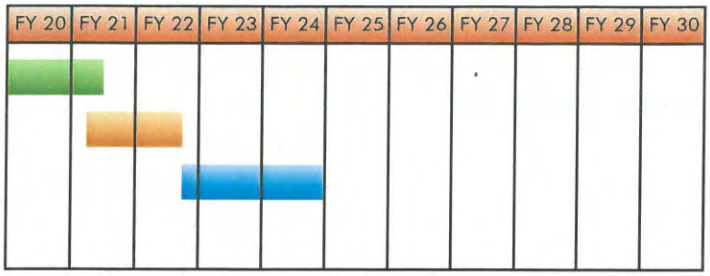
PROJECT LOCATION

★ Project Location

SCHEDULE & STATUS

July 2019 to June 2024

Phase	Cost
Plan	798
Design	961
Construct	7,648
Closeout	75
	9,482



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures						Total
Project	FY19	FY20	FY21	FY22	FY23	FY24	FY25	Future	
93284013-STWTP Filter Media Replacement	0	203	1,080	2,021	4,611	1,567	0	0	9,482
with inflation	0	203	1,134	2,173	5,081	1,793	0	0	10,384

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY19	FY20		FY21	FY22	FY23	FY24	FY25	Future	
93284013-STWTP Filter Media Replacement		203	0	1,134	2,173	5,081	1,793	0	0	10,384

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	10,384
Other Funding Sources	0
Total	**10,384**

OPERATING COST IMPACTS

N/A

USEFUL LIFE: N/A

Project	**Water Treatment Plant Electrical Improvement**
Program	Water Supply - Treatment
Project No.	93084004
District Contact	Tim Bramer Tbramer@valleywater.org

MCC Switchboard

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements to the electrical equipment at Penitencia Water Treatment Plant (PWTP) and Santa Teresa Water Treatment Plant (STWTP). The standby generator will be upgraded at STWTP. This project will accomplish the following objectives:

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

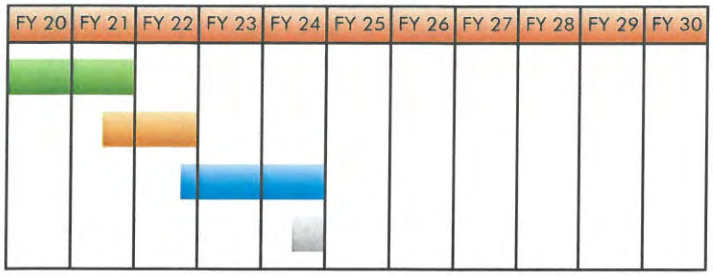
PROJECT LOCATION

★ Project Location

SCHEDULE & STATUS

July 2019 to June 2024

Phase	Cost
Plan	878
Design	1,092
Construct	8,839
Closeout	75
	10,884



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY19	FY20	FY21	FY22	FY23	FY24	FY25	Future	
93084004-Water Treatment Plant Electrical Improvement	0	203	1,227	2,323	5,328	1,803	0	0	10,884
with inflation	0	203	1,288	2,495	5,860	2,056	0	0	11,903

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY19	FY20		FY21	FY22	FY23	FY24	FY25	Future	
93084004-Water Treatment Plant Electrical Improvement		203	0	1,288	2,495	5,860	2,056	0	0	11,903

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	11,903
Other Funding Sources	0
Total	**11,903**

OPERATING COST IMPACTS

N/A

USEFUL LIFE: N/A

Project	**WTP Implementation Project**
Program	Water Supply - Treatment
Project No.	93044001
District Contact	Bhavani Yerrapotu BYerrapotu@valleywater.org

WTP Implementation Project

PROJECT DESCRIPTION

Prepare an implementation project looking out 30 years to determine the projects needed to repair, replace and/or upgrade Valley Water's water treatment plant infrastructures, address the increasingly stringent water quality regulations, and prepare to implement projects that the Board approves. The implementation project will conclude with a programmatic EIR. Facilities will include the Rinconada, Santa Teresa, Penitencia Water Treatment Plants and the Advanced Water Purification Center.

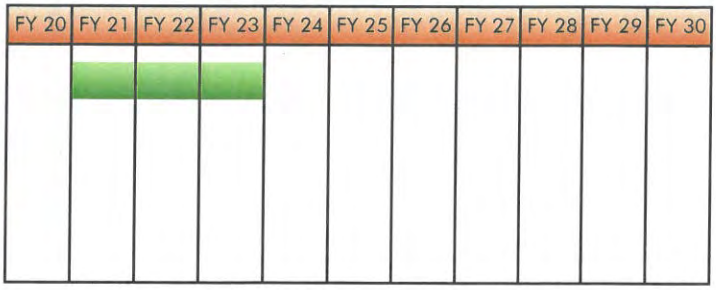
PROJECT LOCATION

★ Project Location

SCHEDULE & STATUS

July 2019 to June 2021

Phase	Cost
Plan	7,500
Design	-
Construct	-
Closeout	-
	7,500



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures						Total
Project	FY19	FY20	FY21	FY22	FY23	FY24	FY25	Future	
93044001-WTP Implementation Project	0	0	1,500	2,500	3,500	0	0	0	7,500
with inflation	0	0	1,575	2,756	4,052	0	0	0	8,383

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY19	FY20		FY21	FY22	FY23	FY24	FY25	Future	
93044001-WTP Implementation Project	0	0	0	1,575	2,756	4,052	0	0	0	8,383

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

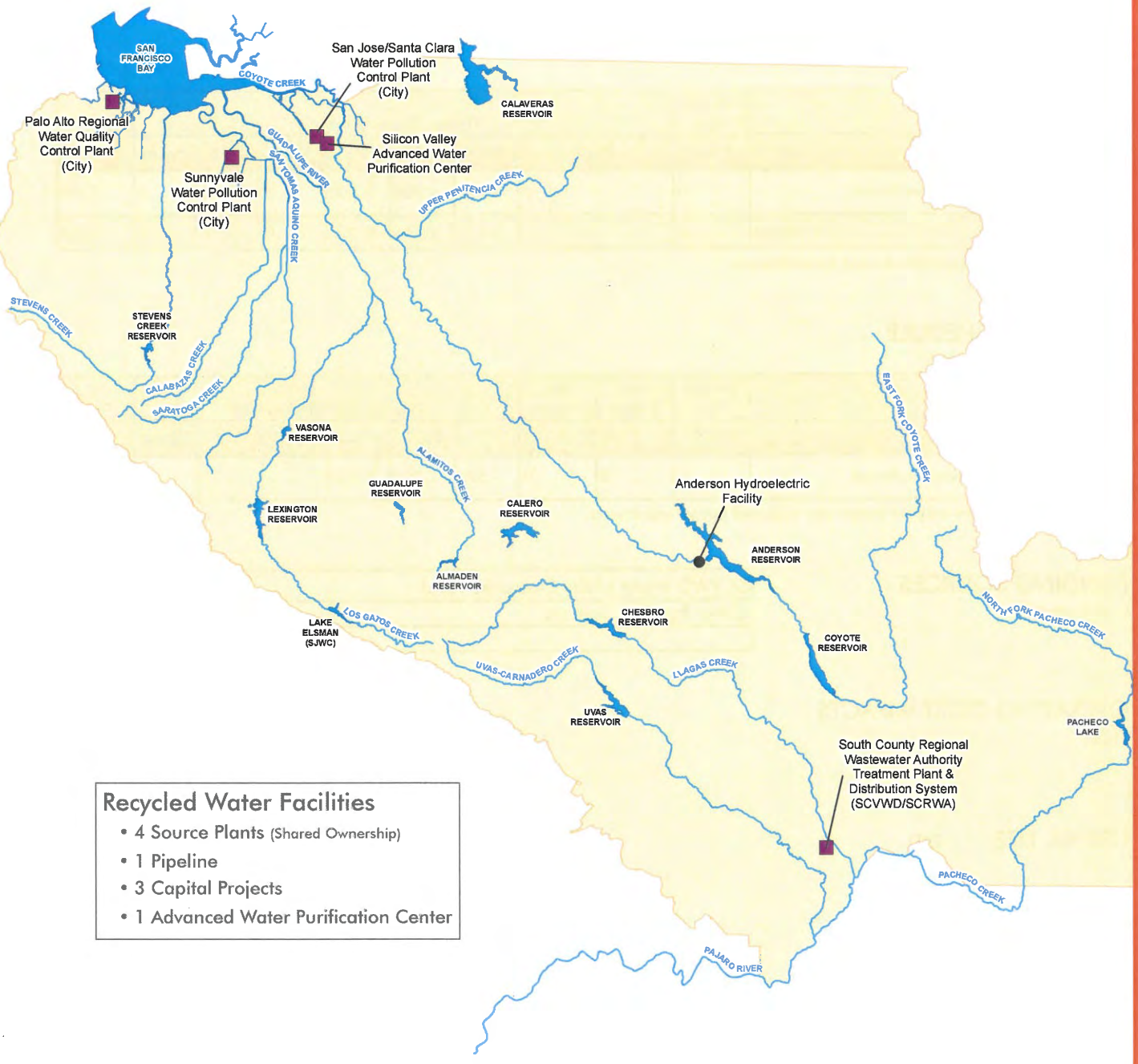
SCVWD Water Utility Enterprise Fund	8,383
Other Funding Sources	0
Total	**8,383**

OPERATING COST IMPACTS

TBD

USEFUL LIFE: TBD

Recycled & Purified Water Facilities



Recycled Water Facilities

- 4 Source Plants (Shared Ownership)
- 1 Pipeline
- 3 Capital Projects
- 1 Advanced Water Purification Center

Project	**Expedited Purified Water Program**
Program	Water Supply – Recycled Water
Project No.	91304001s
District Contact	Garth Hall GHall@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.

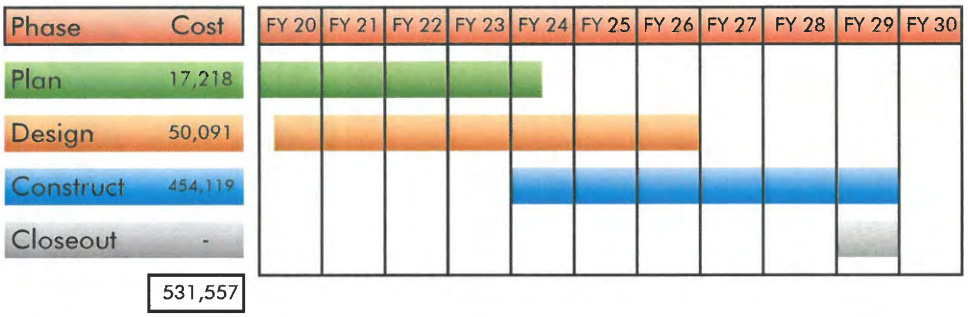
Project elements may include, but are not limited to:

- Expansion of the Silicon Valley Advanced Water Purification Center to produce up to an additional 24 million gallons per day (MGD) 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

SCHEDULE & STATUS

April 2015 to June 2027



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY19	FY20	FY21	FY22	FY23	FY24	FY25	Future	
91304001 - Indirect Potable Water Reuse Projects - Planning	20,064	2,480	9,237	9,487	7,987	77,985	74,735	329,068	531,043
with inflation	20,064	2,480	9,699	10,459	9,246	89,405	88,380	413,166	642,900
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	**20,578**	**2,480**	**9,237**	**9,487**	**7,987**	**77,985**	**74,735**	**329,068**	**531,557**
with inflation	**20,578**	**2,480**	**9,699**	**10,459**	**9,246**	**89,405**	**88,380**	**413,166**	**643,414**

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY19	FY20		FY21	FY22	FY23	FY24	FY25	Future	
91304001 - Indirect Potable Water Reuse Projects - Planning	22,703	2,480	2,639	7,060	10,459	9,246	89,405	88,380	413,166	642,900
91284009 - Silicon Valley Advanced Water Purification Center Expansion	910	0	431	0	0	0	0	0	0	910
91384001 - Purified Water Pipelines	256	0	221	0	0	0	0	0	0	256
TOTAL	**23,869**	**2,480**	**3,291**	**7,060**	**10,459**	**9,246**	**89,405**	**88,380**	**413,166**	**644,066**

Adjusted Budget includes adopted budget plus a planned budget adjustments. Funding exceeds planned expenditures by approximately $652,000. Excess funding will be returned to reserves upon completion of the project.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	644,066
Other Funding Sources	0
Total	**644,066**

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
District Contact	Tim Bramer TBramer@valleywater.org

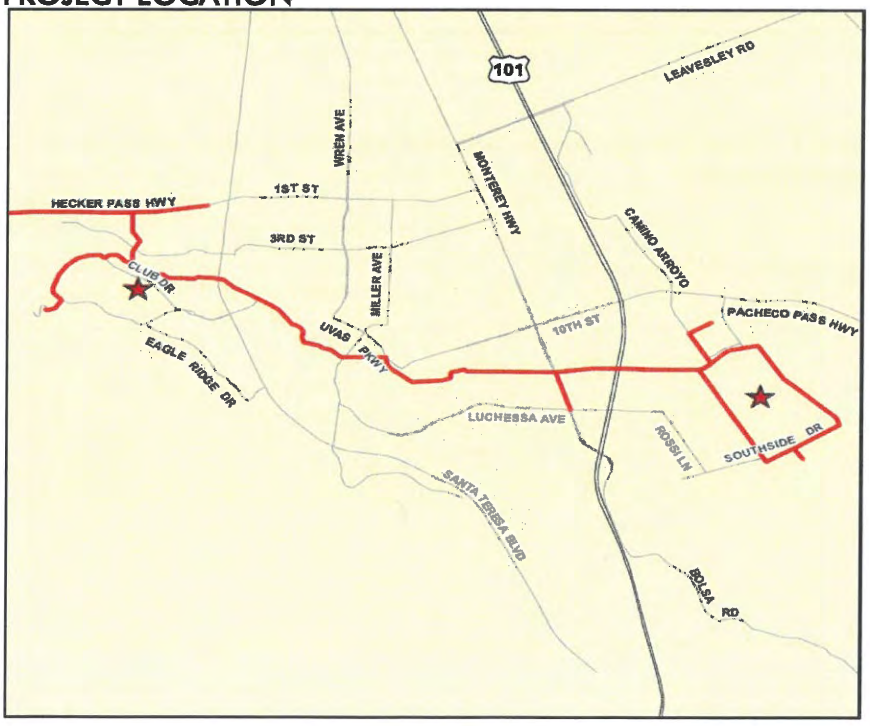
Restricted land access puts recycled water delivery at risk.

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.

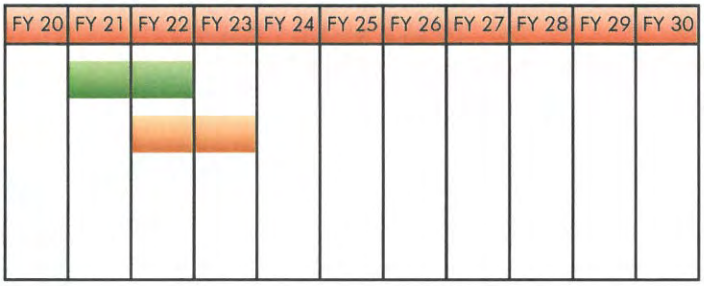
PROJECT LOCATION



SCHEDULE & STATUS

July 2015 to June 2018

Phase	Cost
Plan	797
Design	5,979
Construct	-
Closeout	-
	6,776



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures						Total
Project	FY19	FY20	FY21	FY22	FY23	FY24	FY25	Future	
91094001-Land Rights - South County Recycled Water Pipeline	0	0	557	3,140	3,079	0	0	0	6,776
with inflation	0	0	585	3,462	3,564	0	0	0	7,611

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY19	FY20		FY21	FY22	FY23	FY24	FY25	Future	
91094001-Land Rights - South County Recycled Water Pipeline	0	0	0	585	3,462	3,564	0	0	0	7,611

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	7,611
Other Funding Sources	0
Total	**7,611**

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
District Contact	Tim Bramer TBramer@valleywater.org

Purple recycled water pipe waiting to be laid during construction of 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:

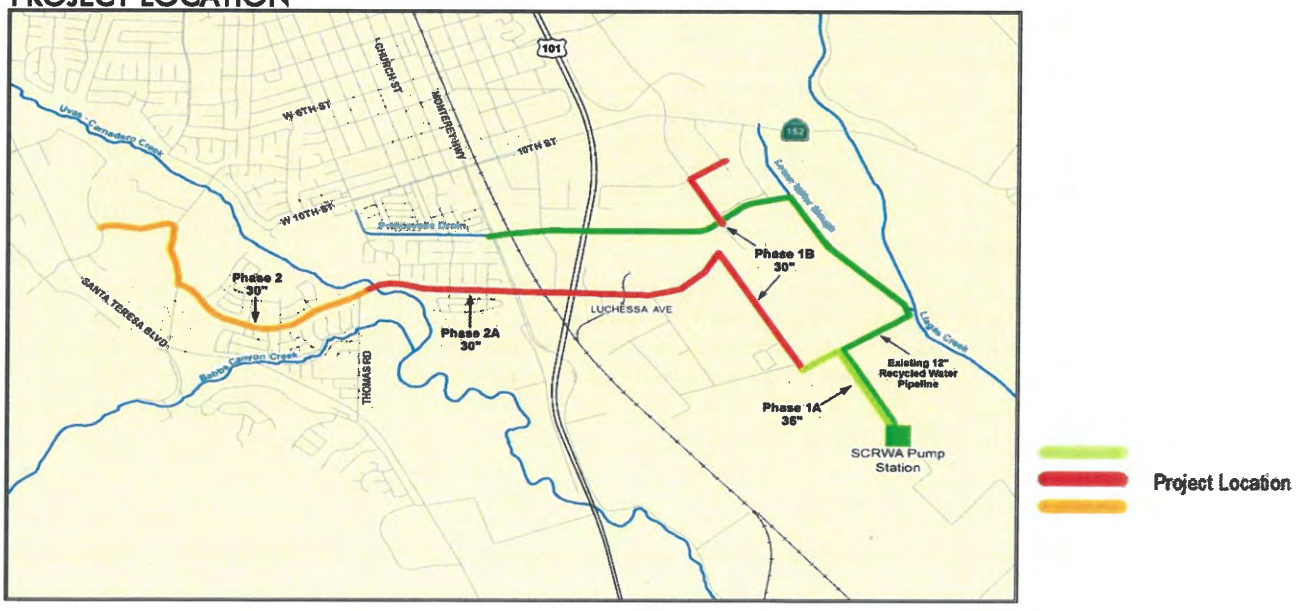
Completed:

- 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 14,000 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

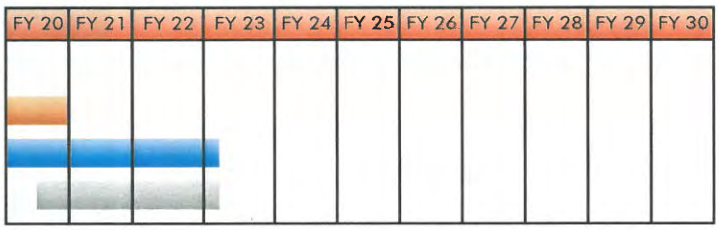


SCHEDULE & STATUS

July 2009 to September 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
Plan	3,104
Design	10,895
Construct	37,051
Closeout	155
	54,800



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY19	FY20	FY21	FY22	FY23	FY24	FY25	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	10,106	1,793	16,676	10,800	0	0	0	0	39,375
with inflation	10,106	1,793	17,220	11,239	0	0	0	0	40,358
91094010-South County Recycled Water Pipeline - Short Term 2	6,376	401	0	0	0	0	0	0	6,777
with inflation	6,376	401	0	0	0	0	0	0	6,777
TOTAL	**25,130**	**2,194**	**16,676**	**10,800**	**0**	**0**	**0**	**0**	**54,800**
with inflation	**25,130**	**2,194**	**17,220**	**11,239**	**0**	**0**	**0**	**0**	**55,783**

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY19	FY20		FY21	FY22	FY23	FY24	FY25	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	0	7,902	9,318	11,239	0	0	0	0	40,358
91094010-South County Recycled Water Pipeline - Short Term 2	8,108	0	1,331	0	0	0	0	0	0	8,108
TOTAL	**36,557**	**0**	**9,233**	**9,318**	**11,239**	**0**	**0**	**0**	**0**	**57,114**

Adjusted Budget includes adopted budget plus approved budget adjustments. Funding exceeds planned expenditures by approximately $1,331,000. Excess funding will be returned to reserves upon completion of the project.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	51,008
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	**57,114**

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 FY 2007 and an additional $25,000 for the Short-Term Phase 1, beginning in FY 2019. 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 and manages 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 working for flood protection 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 flood plain 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 a special parcel tax in 2000 and 2012 to fund the continuation of Valley Water's flood protection capital improvements; specifically, 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 (Clean, Safe Creeks/Safe, Clean Water)
- Adobe Creek from El Camino to West Edith Ave.
- Barron Creek
- Matadero Creek from Palo Alto Flood Basin to Barron Creek
- Permanente Creek from S.F. Bay to Foothill Expressway (Safe, Clean Water)
- San Francisquito Creek from Highway 101 to Searsville Dam (Clean, Safe Creeks/Safe, Clean Water)

Major Capital Improvements Identified in the CIP

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

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

Major Capital Improvements Identified in the CIP

- Guadalupe River–Upper, Interstate 280 to Blossom Hill Road (Clean, Safe Creeks/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 Old Piedmont Road (Clean, Safe Creeks)
- Berryessa Creek from Lower Penitencia Creek to Calaveras Boulevard
- Coyote Creek Montague Expressway to Tully Road (Clean, Safe Creeks/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 Road
- Uvas Creek

Major Capital Improvements Identified in the CIP

- Llagas Creek Capacity Restoration from Buena Vista Road to Pajaro River
- Llagas Creek–Upper, Buena Vista Road to Llagas Road (Clean, Safe Creeks/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 Final CIP in May.

A financial analysis of the Watershed and Steam 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 2021-25 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, u/s Hwy 101
- Upper Llagas, Phase 2 (Reaches 5, 6, 7B, 8, and 14)
- Coyote Creek, Montague Expy. to Tully Road

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.

Valley Water staff collects high water marks from significant storm events, conducts topographic surveys and collected information on vegetation growth following the 2017 storm events. The analyses, completed in 2018 for Lower Guadalupe River, indicated that a section of the Lower Guadalupe River, from upstream of Tasman Drive to Airport Parkway, no longer has conveyance capacity for the 100-year event for which it was designed. Valley Water is actively exploring options to restore the river to 100-year flow capacity and has performed significant vegetation removal during the FY 2019-20 stream maintenance season, but there are many challenges ahead. Preliminary assessments indicate that vegetation removal as permitted under the existing SMP alone will not be enough to restore the design conveyance. The Guadalupe River, Tasman Drive to I-880 Project was included in the FY 2020-24 CIP to

investigate options for immediate interim measures and to conduct an alternatives analysis and environmental evaluation of additional measures, such as construction of a floodwall or levee raising to re-establish flow conveyance capacity and freeboard for a 100-year event.

The project's funding has been increased by $95 million in the FY 2021-25 CIP to reflect all future planning, design and construction costs to restore design flow conveyance capacity.

The Palo Alto Flood Basin Tide Gate Structure Improvement Project increased in cost by $20 million due to increased construction phase cost estimates

The voter approved Safe, Clean Water program is providing funding for some of the highest priority flood protection projects including:

- Permanente Creek, San Francisco Bay to Foothill Expy.
- 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
- Berryessa Creek, Calaveras Blvd. to I-680
- Coyote Creek, Montague Expy. to I-280 (Partial funding)
- Upper Llagas Creek, Buena Vista Rd. to Llagas Rd.
- San Francisco Bay Shoreline - Design and Partial Construction of EIA 11 and Planning for other EIAs

An implementation schedule for the Safe, Clean Water projects is available in Appendix C.

Delays in the federal funding for many of the USACE projects have extended the schedules beyond the dates committed by Valley Water. Therefore, Valley Water is evaluating the option of proceeding with the local funding option on several of these projects.

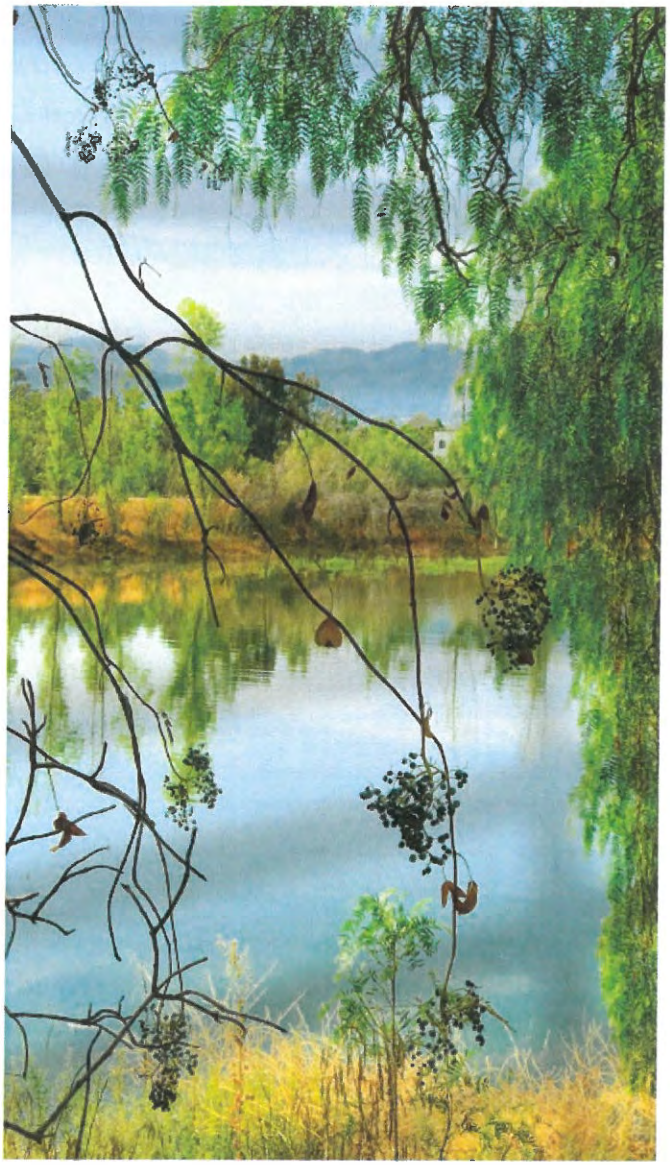
The following high priority flood protection projects, unfunded or partially funded, are of major concern to meet the Board's Ends Policy E–3, "There is a healthy and safe environment for residents, businesses and visitors, as well as for future generations."

Partially Funded and Unfunded CIP Projects

- Coyote Creek, Montague Expy. to Tully Road (actual cost will not be known until the planning study is completed in March 2020)
- San Francisquito Creek 100-year flood protection upstream of Highway 101
- Upper Berryessa Creek, I-680 to Old Piedmont Road (unfunded; $20 million)
- Upper Llagas Creek, Buena Vista Road to Llagas Road
- Upper Penitencia Creek, Coyote Creek to Dorel Drive (USACE funding is unlikely)

Flood Protection Capital Improvements

Flooding on Coyote Creek caused by severe storm in February 2017 led Valley Water to reevaluate the schedule, level of flood protection, and funding sources for the Coyote Creek Project. A public hearing was held on June 13, 2017 to extend the Coyote Creek project to Tully Road and evaluate a project that would provide protection from a 20- to 25-year flood event. A preliminary cost range of $40-85 million was identified through a planning study and presented to the Board in December 2019. Based upon the project's remaining secured funding of approximately $28 million, the project was deemed to have a shortfall between $12-57 million.



Staff worked with the Board CIP Committee to identify possible funding for construction of this project. In response to a recommendation from the Board CIP Committee, on December 17, 2019, the Board directed staff to reallocate $21 million (uninflated dollars) from the Upper Penitencia Creek from Coyote Creek to Dorel Drive (Safe, Clean Water) to the Coyote Creek, Montague Expy. to Tully Road. The reallocation of funds would go towards addressing the Coyote Creek Project's shortfall, while still leaving sufficient funds in the Upper Penitencia Creek Project to construct the local-funding-only project.

Additionally, in response to a Board CIP Committee recommendation, the Board held a public hearing on January 14, 2020 to modify the Upper Llagas Creek Flood Protection Project local-funding-only key performance indicator (KPI) to increase the length of the project to be built by the available local funds from approximately 2.9 miles to approximately 4.9 miles. This modified KPI entails constructing Reaches 4 and 5 (portion), 7a and 8 (portion) as well as the onsite compensatory mitigation at Lake Silveira. The remaining Project elements, namely Reaches 5 (portion), 6, 7b, 8 (portion) and 14, will be built later once external or other funding sources become available.

Flood Protection Capital Improvements

The following table is a project funding schedule for flood protection capital improvements resulting from this year's priority process and 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 2019-20.

Flood Protection Capital Improvements ($K)

Project Number	PROJECT NAME	Through FY19	FY20	FY20 Unspent	FY21	FY22	FY23	FY24	FY25	FY26-35	TOTAL
	LOWER PENINSULA WATERSHED										
10394001	Palo Alto Flood Basin Tide Gate Structure Improvements	2,474	1,918	1,512	82	5,379	9,627	7,350	5,935	-	32,765
10244001s	Permanente Creek, SF Bay to Foothill Expressway	99,330	7,560	483	-	-	-	-	-	-	106,890
10284007s	San Francisquito Creek, SF Bay thru Searsville Dam (E5)	59,946	2,805	783	4,315	21,121	-	-	-	-	88,187
	WEST VALEY WATERSHED										
26074002	Sunnyvale East and West Channels	30,997	4,441	15,413	2,032	17,829	14,650	486	-	-	70,435
	GUADALUPE WATERSHED										
30114002	Canoas Creek, Rodent Damage Repair	7,307	-	420	-	-	-	-	-	-	7,307
30154019	Guadalupe River Tasman Dr - I-880	90	1,000	9	3,296	2,380	29,689	29,795	29,968	-	96,218
26154001s	Guadalupe River–Upper, I-280 to Blossom Hill Road (E8)	134,556	139	23,174	945	13,545	18,091	2,309	-	-	169,585
	COYOTE WATERSHED										
26174041s	Berryessa Creek, Calaveras Boulevard to Interstate 680	54,552	1	23	27	-	-	-	-	-	54,580
40174004s	Berryessa Ck, Lower Penitencia Ck to Calaveras Blvd	126,066	-	4,903	45	923	162	-	-	71,236	198,432
26174043	Coyote Creek, Montague Expressway to Tully Road	14,000	941	1,013	2,403	6,984	21,186	19,117	1,691	-	66,322
40264011	Cunningham Flood Detention Certification	11,251	555	30	2	33	-	-	-	-	11,841
40334005	Lower Penitencia Ck Improvements, Berryessa to Coyote Cks.	16,297	8,989	7,827	954	606	637	328	-	-	27,811
40264007s	Lower Silver Creek, I-680 to Cunningham (Reach 4-6)	101,549	740	765	167	55	58	-	-	-	102,569
40324003s	Upper Penitencia Creek, Coyote Creek to Dorel Drive	13,195	1,812	1,261	1,381	2,774	232	2,201	1,711	13,485	36,791
	UVAS LLAGAS WATERSHED										
50284010	Llagas Creek–Lower, Capacity Restoration, Buena Vista Road to Pajaro River	6,947	-	2,809	-	-	3,404	3,401	-	-	13,752
26174051s	Llagas Creek–Upper, Buena Vista Avenue to Llagas Road	113,330	12,415	5,418	46,713	48,091	47,278	11,816	3,756	1,593	284,992
	MULTIPLE WATERSHEDS										
00044026s	San Francisco Bay Shoreline (E7)	35,910	36,432	944	14,398	28,922	2,399	35,159	766	266	154,252
62084001	Watersheds Asset Rehabilitation Program	24,455	11,481	-	11,423	8,679	8,984	9,301	9,630	93,085	177,038
	TOTAL	852,252	91,229	66,787	88,183	157,321	156,397	121,263	53,457	179,665	1,699,767

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 FY19	FY20	FY20 Unspent	FY21	FY22	FY23	FY24	FY25	FY26-35	TOTAL
12	Watershed Stream Stewardship Fund	402,143	61,130	23,336	34,151	56,387	72,395	102,643	49,542	107,964	886,355
26	Safe, Clean Water and Natural Flood Protection Fund	450,109	30,099	43,451	54,032	100,934	84,002	18,620	3,915	71,701	813,412
	TOTAL	852,252	91,229	66,787	88,183	157,321	156,397	121,263	53,457	179,665	1,699,767

FY 2019-20 Funds to be reappropriated

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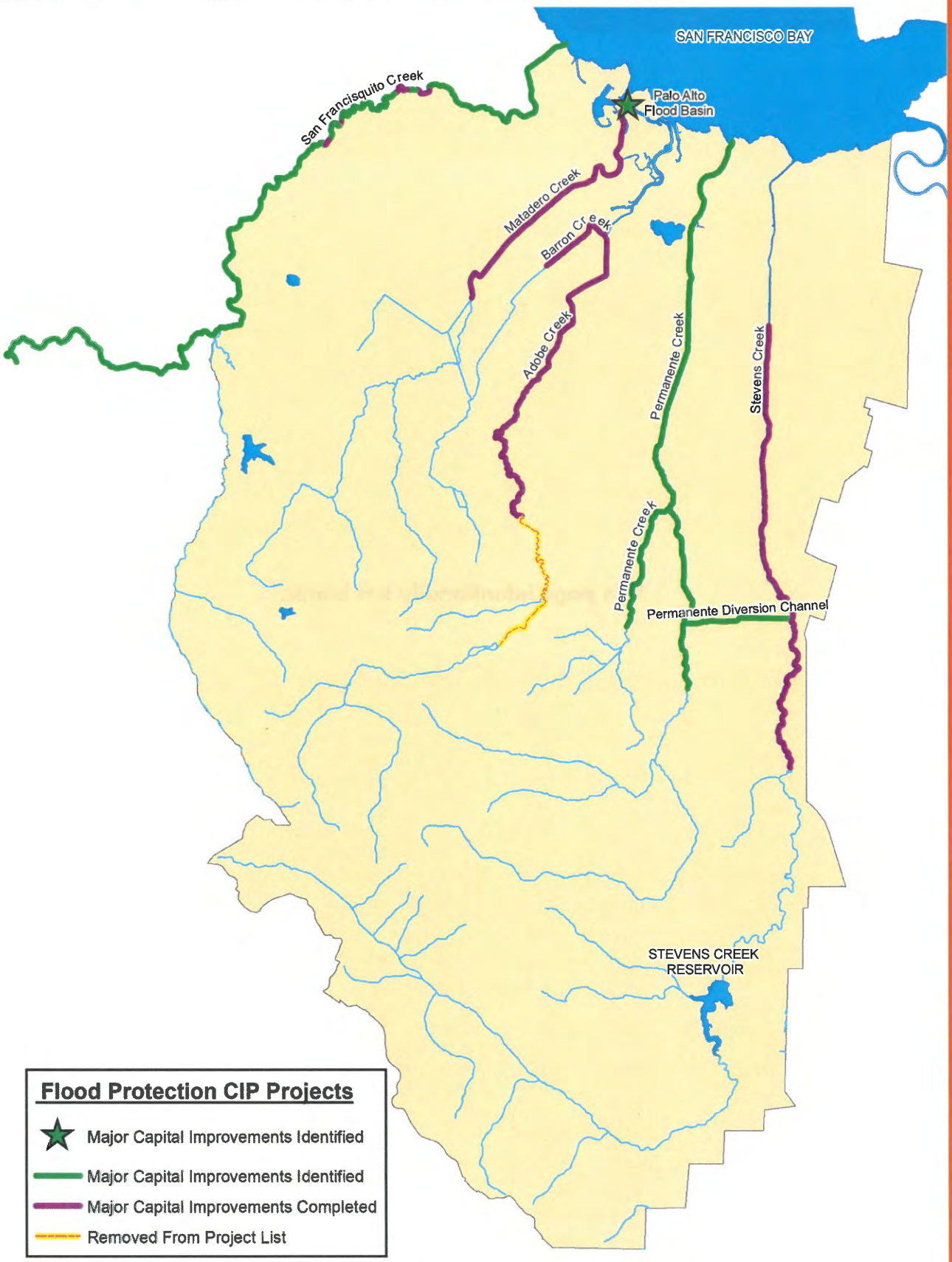
Lower Peninsula Watershed



Project	**Palo Alto Flood Basin Tide Gate Structure Improvements**
Program	Flood Protection - Lower Peninsula Watershed
Project No.	10394001
District Contact	Ngoc Nguyen nnguyen@valleywater.org

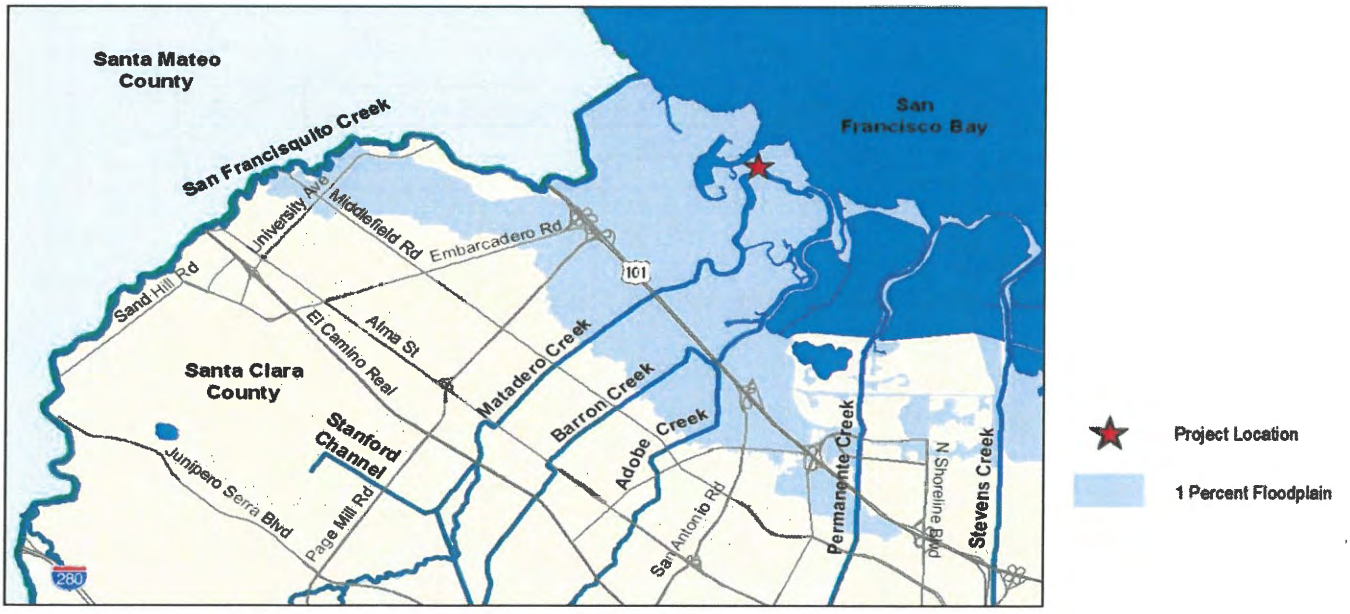
View from the west side of the Palo Alto tide gates facing east

PROJECT DESCRIPTION

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

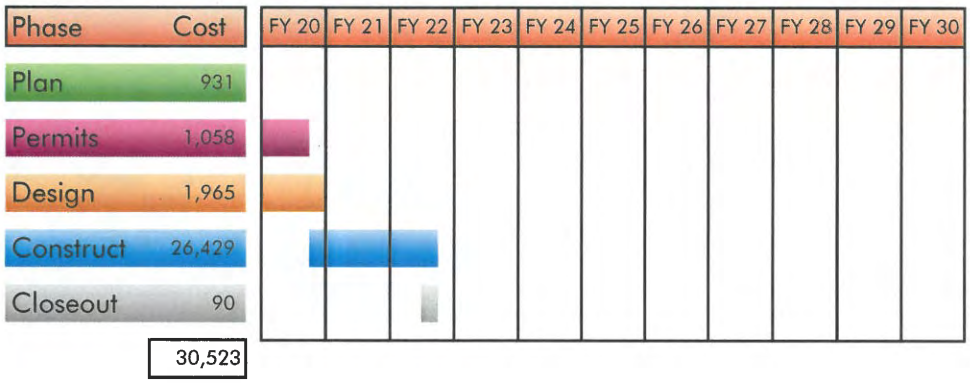
- Prepare an Emergency Action Plan (EAP) and coordinate with the City of Palo Alto.
- Mitigate potential failure of the existing tide gates structure.
- Reduce the possibility of flooding in lower reaches of Matadero, Adobe, and Barron Creeks.
- Adapt to future sea level rise scenarios.
- Coordinate with the SAFER Bay, South Bay Shoreline, and Mountain View Ponds projects.
- Protect habitat in the Palo Alto Flood Basin and around the work area.

PROJECT LOCATION



SCHEDULE & STATUS

November 2018 to January 2022



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY19	FY20	FY21	FY22	FY23	FY24	FY25	Future	
10394001-Palo Alto Flood Basin Tide Gate Structure Improvements	1,429	1,451	1,518	5,030	8,985	6,785	5,325	0	30,523
with inflation	1,429	1,451	1,594	5,379	9,627	7,350	5,935	0	32,766

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY19	FY20		FY21	FY22	FY23	FY24	FY25	Future	
10394001-Palo Alto Flood Basin Tide Gate Structure Improvements	2,474	1,918	1,512	82	5,379	9,627	7,350	5,935	0	32,766

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed&Stream Stewardship Fund	32,766
Other Funding Sources	0
Total	**32,766**

OPERATING COST IMPACTS

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

Project	**Permanente Creek, San Francisco Bay to Foothill Expressway**
Program	Flood Protection – Lower Peninsula Watershed
Project No.	10244001s
District Contact	Ngoc Nguyen NNguyen@valleywater.org

Permanente Creek, looking downstream at the golf course foot bridge

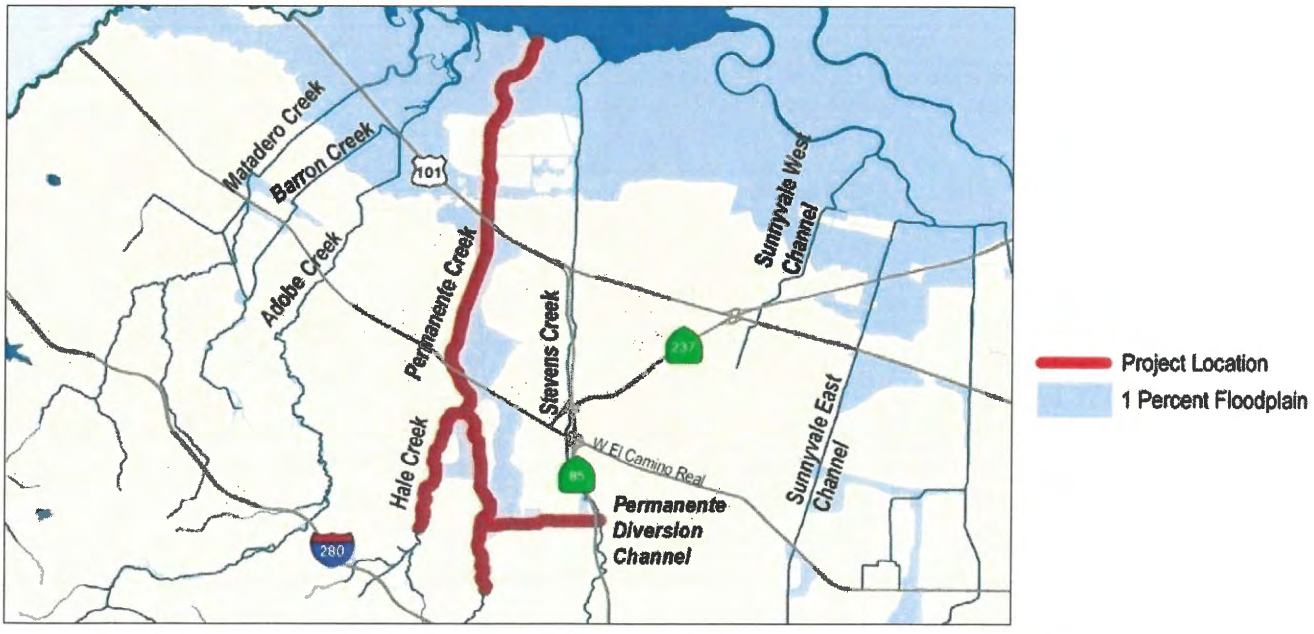
PROJECT DESCRIPTION

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. For a full description of the SCW benefits and KPI's, please visit www.valleywater.org.

PROJECT LOCATION

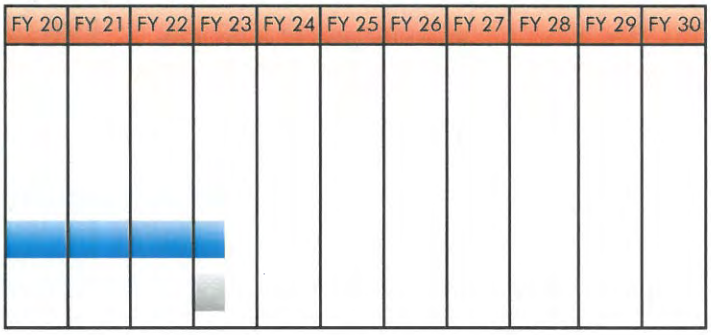


SCHEDULE & STATUS

July 2001 to June 2022

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

Phase	Cost
Plan	10,049
Permits	3,799
Design	17,302
Construct	65,033
Closeout	50
	106,648



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY19	FY20	FY21	FY22	FY23	FY24	FY25	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	81,475	7,569	217	20	0	0	0	0	89,281
with inflation	81,475	7,569	228	22	0	0	0	0	89,294
TOTAL	98,838	7,569	217	20	0	0	0	0	106,644
with inflation	98,838	7,569	228	22	0	0	0	0	106,657

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY19	FY20		FY21	FY22	FY23	FY24	FY25	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	81,789	7,560	305	0	0	0	0	0	0	89,349
TOTAL	**99,330**	**7,560**	**483**	**0**	**0**	**0**	**0**	**0**	**0**	**106,890**

Adjusted Budget includes adopted budget plus approved budget adjustments. Allocated funding exceeds total planned expenditures by approximately $233,000. 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	88,326
City of Mountain View	1,023
Total	**106,890**

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $100,000 per year, beginning in FY 2020. 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**
Program	Flood Protection – Lower Peninsula Watershed
Project No.	10284007s
District Contact	Ngoc Nguyen nnguyen@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:

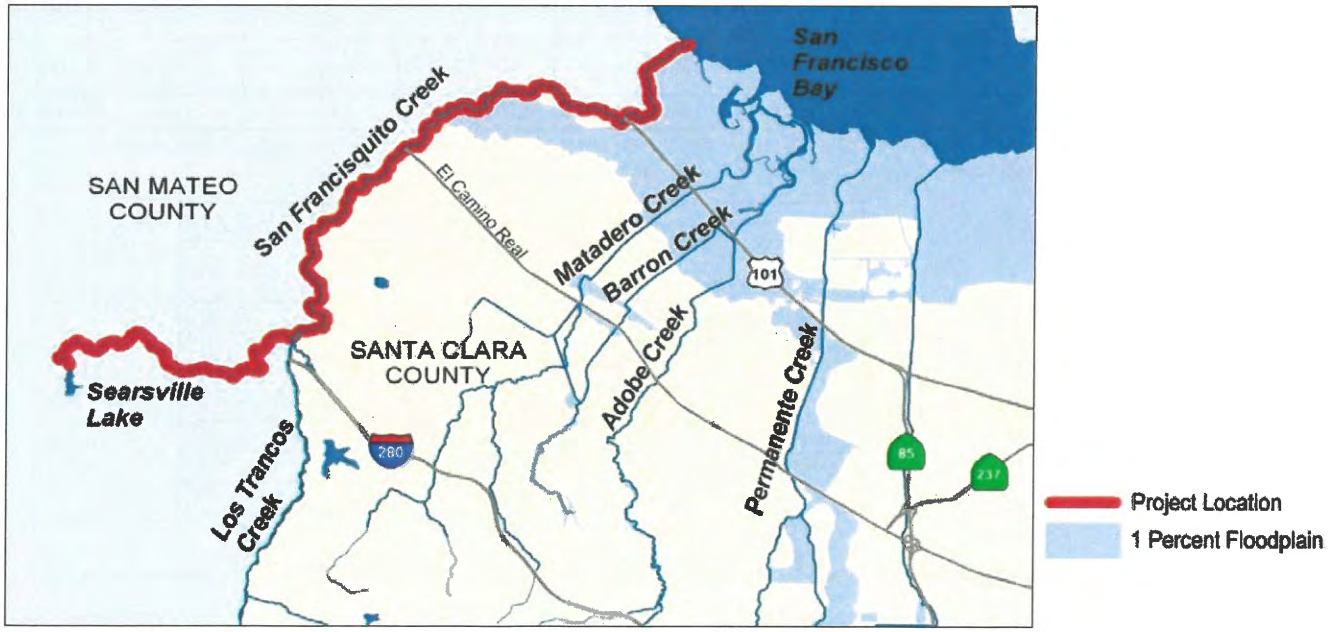
- Provide flood protection.
- Reduce bank erosion and sedimentation-related impacts along San Francisquito Creek.
- Avoid potential adverse impacts on fish and wildlife habitats.
- Minimize impacts to the creek's environmental resources and restore the riparian corridor where feasible.

The San Francisquito construction 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 job numbers: (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, Project E5. For a full description of the SCW benefits and KPI's, please visit www.valleywater.org.

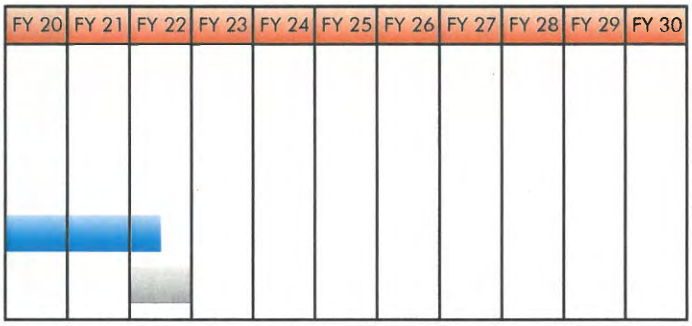
PROJECT LOCATION



SCHEDULE & STATUS

June 2003 to June 2020

Phase	Cost
Plan	4,313
Permits	1,617
Design	14,467
Construct	62,967
Closeout	125
	86,353



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY19	FY20	FY21	FY22	FY23	FY24	FY25	Future	
10284007-San Francisquito Ck, Bay-Searsville Dam	3,740	0	0	0	0	0	0	0	3,740
with inflation	3,740	0	0	0	0	0	0	0	3,740
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.	46,537	2,971	4,926	19,783	0	0	0	0	74,217
with inflation	46,537	2,971	5,098	21,121	0	0	0	0	75,727
TOTAL	**58,562**	**3,082**	**4,926**	**19,783**	**0**	**0**	**0**	**0**	**86,353**
with inflation	**58,562**	**3,082**	**5,098**	**21,121**	**0**	**0**	**0**	**0**	**87,863**

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY19	FY20		FY21	FY22	FY23	FY24	FY25	Future	
10284007-San Francisquito Ck, Bay-Searsville Dam	4,064	0	324	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.	47,486	2,805	783	4,315	21,121	0	0	0	0	75,727
TOTAL	**59,946**	**2,805**	**1,107**	**4,315**	**21,121**	**0**	**0**	**0**	**0**	**88,187**

Adjusted Budget includes adopted budget plus approved budget adjustments. Allocated funding exceeds total planned expenditures by approximately $324,000. Excess funds will be returned to Fund Reserves at the close of the project.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	5,678
SCVWD Safe, Clean Water and Natural Flood Protection Fund	57,246
JPA and Member Agencies (D/S Funding)	5,480
Unsecured Grants and Partnerships (U/S Funding)	19,783
Total	**88,187**
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 (Newell Road Bridge)	7,100

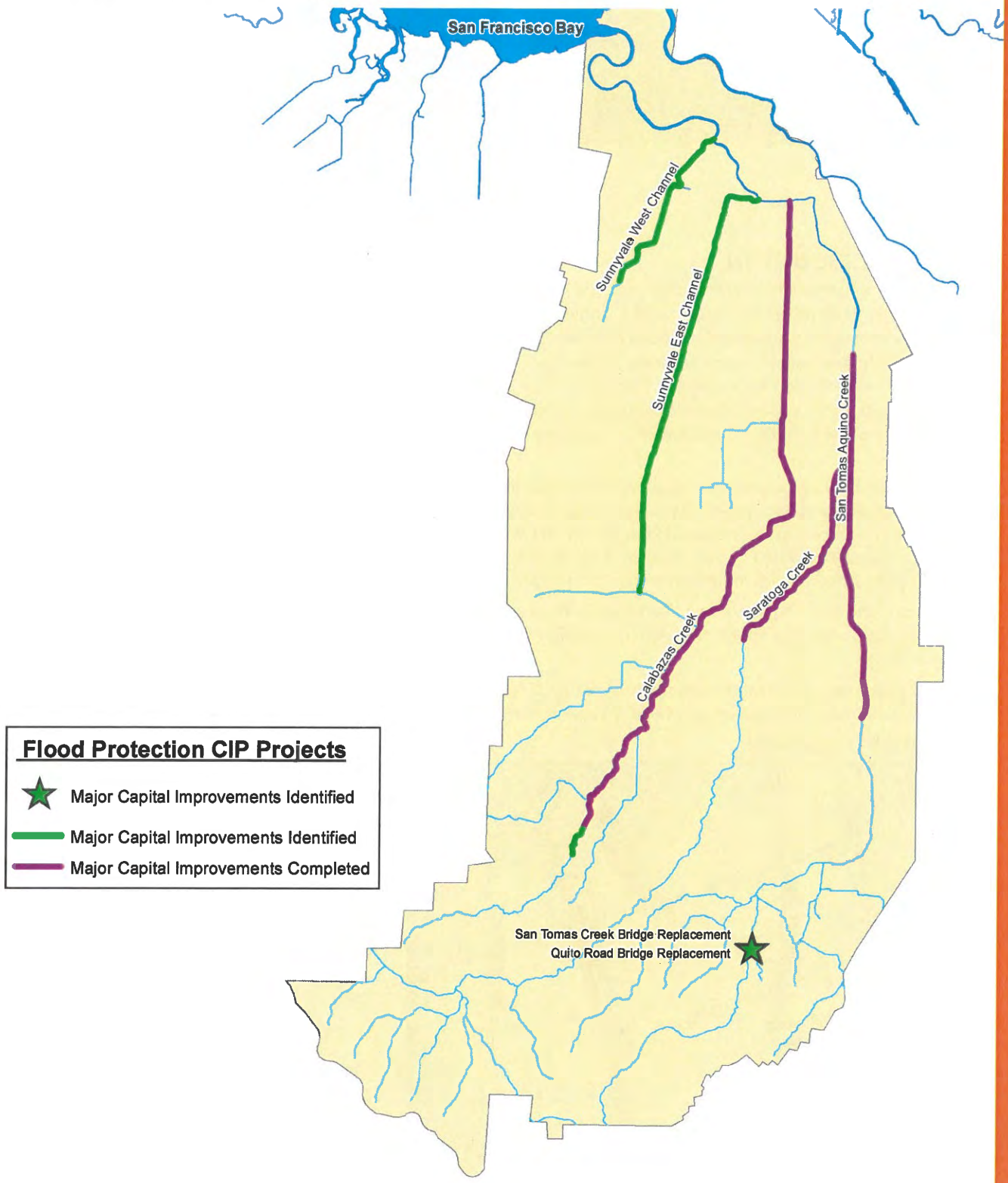
County and Corps participation are for Feasibility Study activities only. Additional funding will be negotiated during subsequent phases.

OPERATING COST IMPACTS

No operating budget impacts are expected from the construction of this project.

USEFUL LIFE: Not Available

West Valley Watershed



Project	**Sunnyvale East and West Channels Flood Protection Project**
Program	Flood Protection – West Valley Watershed
Project No.	26074002
District Contact	Tim Bramer tbramer@valleywater.org

Sunnyvale West Channel looking upstream from Java Drive

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 (EIR) to reduce construction costs and minimize construction coordination issues between the 2 channels.

The West Channel extends approximately 3 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 3 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

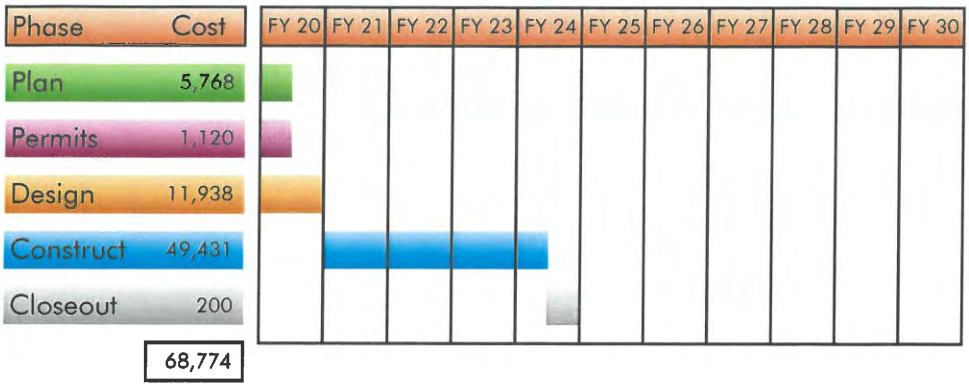
The Sunnyvale East and Sunnyvale West Channels were originally identified as separate projects. In order to improve efficiency by combining efforts, the planning, design and construction phases for both projects will be performed as a single effort.

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

PROJECT LOCATION

SCHEDULE & STATUS

January 2006 to December 2023



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures						Total
Project	FY19	FY20	FY21	FY22	FY23	FY24	FY25	Future	
26074002-Sunnyvale East and West Channels Flood Protection Project	18,525	1,500	16,900	17,158	14,043	400	0	0	68,526
with inflation	18,525	1,500	17,445	17,829	14,650	486	0	0	70,435

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY19	FY20		FY21	FY22	FY23	FY24	FY25	Future	
26074002-Sunnyvale East and West Channels Flood Protection Project	30,997	4,441	15,413	2,032	17,829	14,650	486	0	0	70,435

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

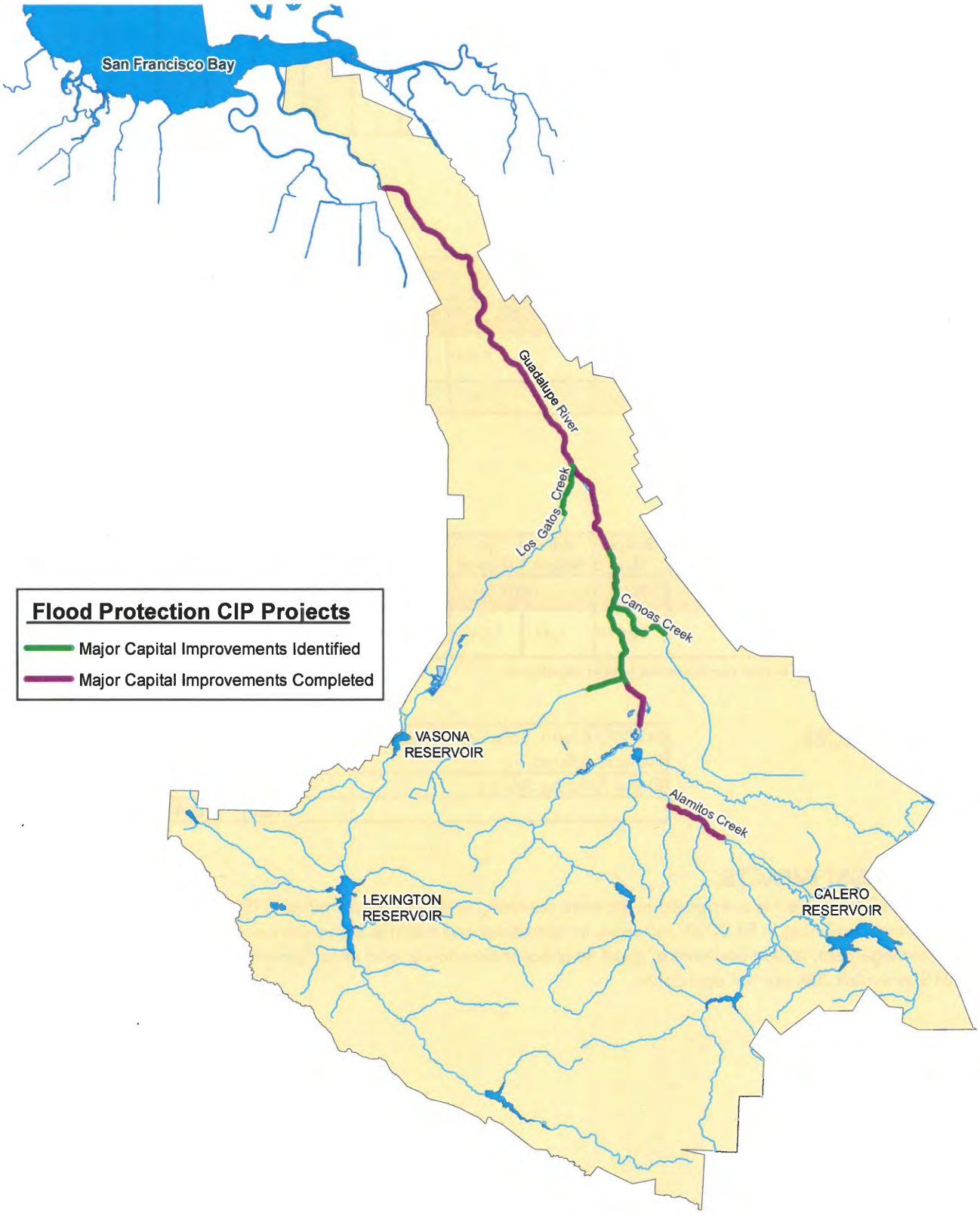
SCVWD Clean, Safe Creeks and Natural Flood Protection Fund	70,435
Other Funding Source	0
Total	**70,435**

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $190,000 per year based on O&M forecasting, beginning in FY 2023. 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 JUA are not applicable.

USEFUL LIFE: 30+ Years

Guadalupe Watershed



Project	**Canoas Creek Rodent Damage Repair**
Program	Flood Protection - Guadalupe Watershed
Project No.	30114002
District Contact	Ngoc Nguyen nnguyen@valleywater.org

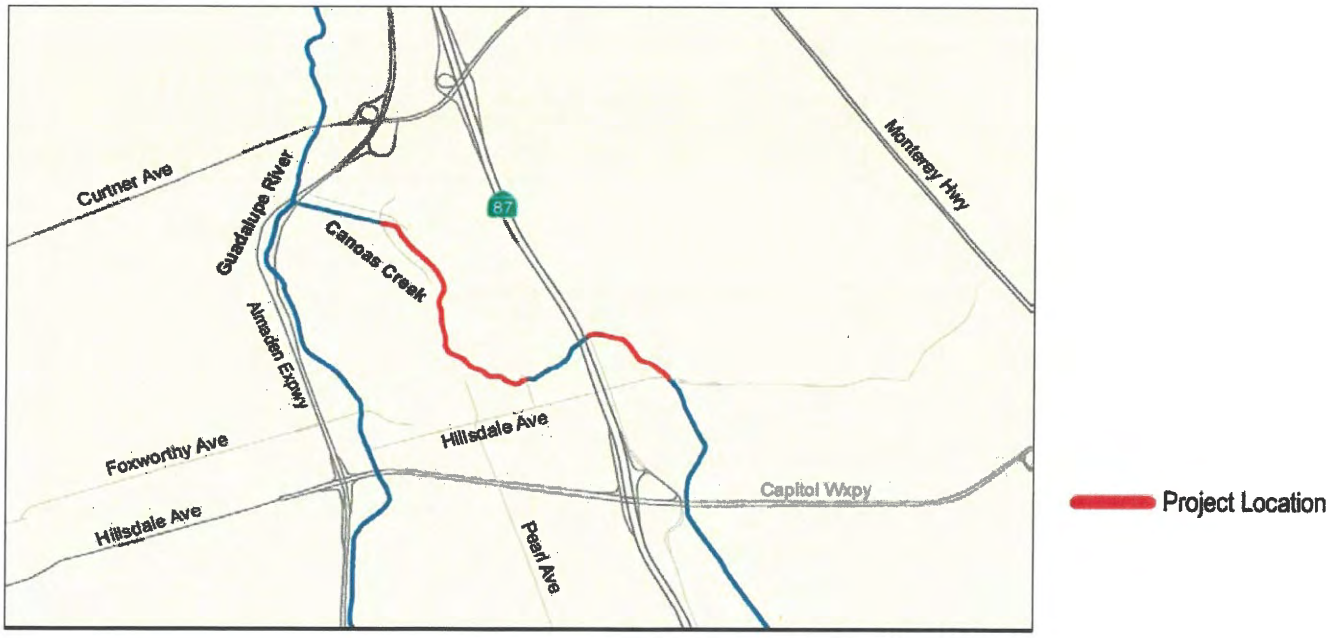
View of damage caused by burrowing animals along Canoas Creek in the Guadalupe Watershed

PROJECT DESCRIPTION

This project plans, designs, and constructs repairs to Canoas Creek to accomplish the following objectives:

- Repair approximately one mile of damaged creek's levee and embankment.
- Reduce frequent maintenance costs associated with routine bank erosion repair projects.
- Reduce the risk of levee/bank slope failure due to damage caused from burrowing animals.

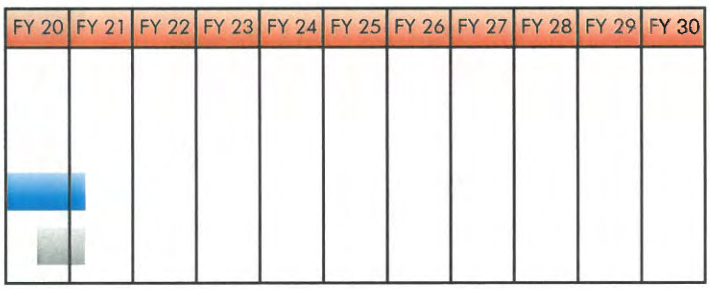
PROJECT LOCATION



SCHEDULE & STATUS

March 2015 to June 2020

Phase	Cost
Plan	33
Design	584
Construct	6,248
Closeout	5
	6,887



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY19	FY20	FY21	FY22	FY23	FY24	FY25	Future	
30114002-Canoas Creek Rodent Damage Repair	6,850	37	0	0	0	0	0	0	6,887
with inflation	6,850	37	0	0	0	0	0	0	6,887

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY19	FY20		FY21	FY22	FY23	FY24	FY25	Future	
30114002-Canoas Creek Rodent Damage Repair	7,307	0	420	0	0	0	0	0	0	7,307

Adjusted Budget includes adopted budget plus approved planned budget adjustments. Funding exceeds planned expenditures by approximately $420,000. Excess funding will be returned to reserves upon completion of the project.

FUNDING SOURCES

(in thousands $)

Watershed Stream Stewardship	7,307
Other Funding Sources	0
Total	**7,307**

OPERATING COST IMPACTS

Operating cost impacts will be determined at the end of the construction phase.

USEFUL LIFE: 30+ Years

Project	**Guadalupe River Tasman Dr - I-880**
Program	Flood Protection - Guadalupe Watershed
Project No.	30154019
District Contact	Vincent Gin vgin@valleywater.org

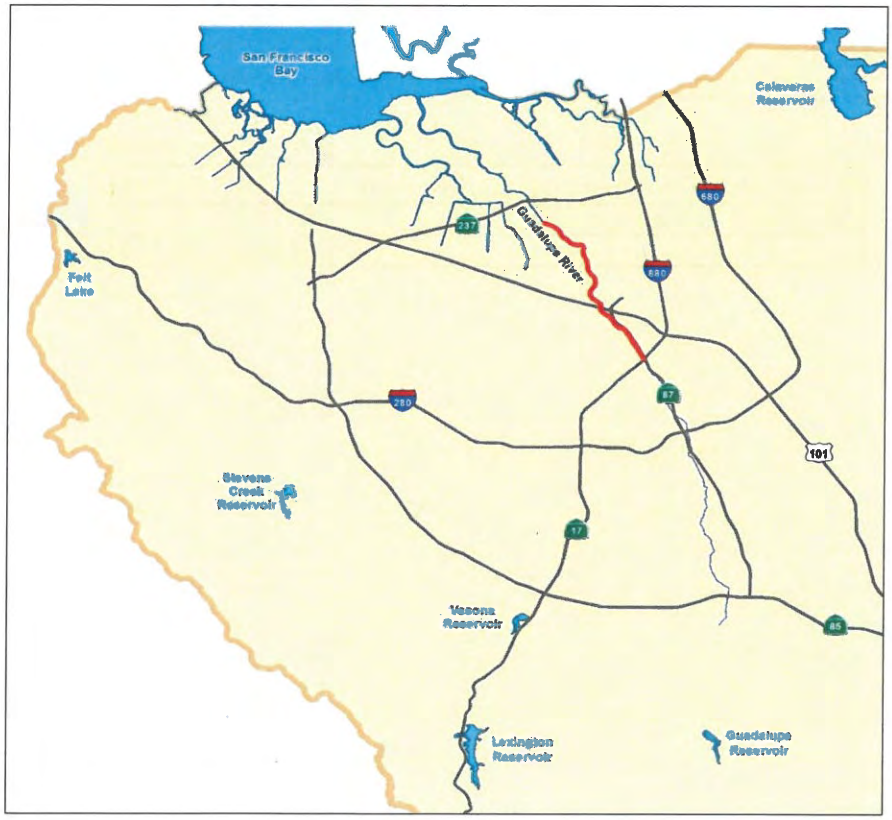
East bank of the Guadalupe River, looking upstream toward Trimble Road.

PROJECT DESCRIPTION

This project plans and evaluates the options to restore the 100-year flood conveyance capacity from Tasman Drive to Interstate 880 on the Guadalupe River, to accomplish the following objective,

- Develop a plan to restore the lower Guadalupe River to 100-year flow capacity.

PROJECT LOCATION

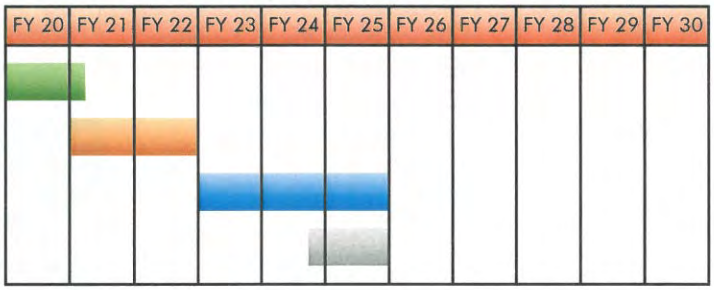


Project Location

SCHEDULE & STATUS

July 2014 to June 2031

Phase	Cost
Plan	1,406
Design	4,972
Construct	81,183
Closeout	50
	87,611



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY19	FY20	FY21	FY22	FY23	FY24	FY25	Future	
30154019-Guadalupe River Tasman Dr - I-880	81	1,000	3,148	2,159	27,061	27,061	27,111	0	87,621
with inflation	81	1,000	3,305	2,380	29,689	29,795	29,968	0	96,218

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY19	FY20		FY21	FY22	FY23	FY24	FY25	Future	
30154019-Guadalupe River Tasman Dr - I-880	90	1,000	9	3,296	2,380	29,689	29,795	29,968	0	96,218

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	96,218
Other Funding Sources	0
Total	**96,218**

OPERATING COST IMPACTS

N/A

USEFUL LIFE: N/A

Project	**Guadalupe River–Upper, Interstate 280 to Blossom Hill Road**
Program	Flood Protection – Guadalupe Watershed
Project No.	26154001s
District Contact	Ngoc Nguyen nnguyen@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 (Corps) 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:

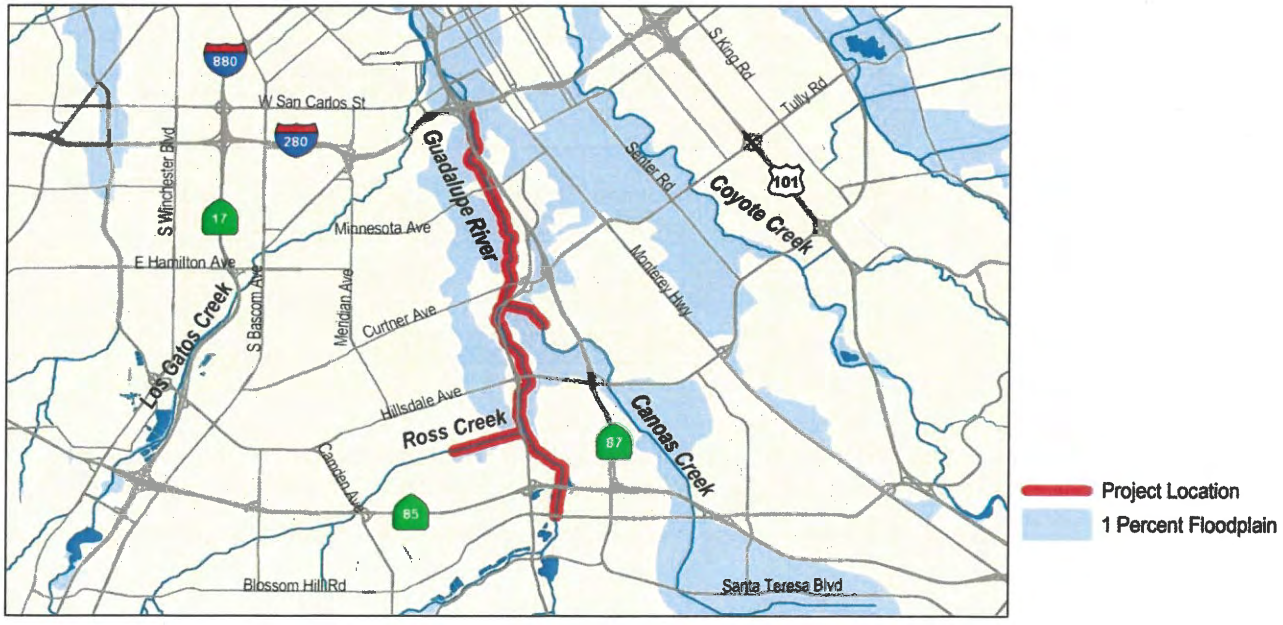
- Provide one-percent flood protection to nearly 7,000 parcels along the Guadalupe River, from I-280 to Blossom Hill Road, including portions of Ross Creek and Canoas Creek.
- Provide long-term net gains of 15 acres in riparian forest acreage, quality, and continuity of wildlife habitat, and conditions 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 job numbers:

- 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, Project E8. For a full description of the SCW benefits and KPI's, please visit www.valleywater.org.

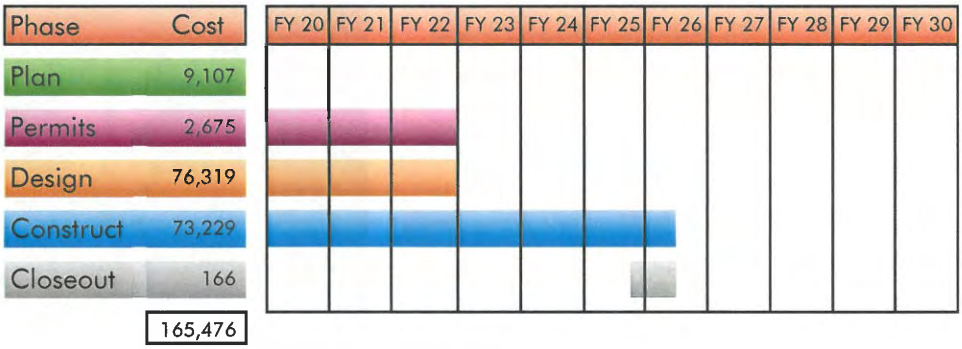
PROJECT LOCATION



SCHEDULE & STATUS

September 1985 to June 2025

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



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY19	FY20	FY21	FY22	FY23	FY24	FY25	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)	33,098	1,660	900	1,885	30	0	0	0	37,573
with inflation	33,098	1,660	945	2,022	35	0	0	0	37,760
26154003-Guadalupe Rv—Upper, SPRR to Blossom Hill Rd. (R7-12)	65,495	730	8,600	23,790	16,850	1,900	0	0	117,365
with inflation	65,495	730	9,030	25,667	18,056	2,309	0	0	121,287
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	**109,131**	**2,390**	**9,500**	**25,675**	**16,880**	**1,900**	**0**	**0**	**165,476**
with inflation	109,131	2,390	9,975	27,689	18,090	2,309	0	0	169,585

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY19	FY20		FY21	FY22	FY23	FY24	FY25	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)	34,619	139	0	945	2,022	35	0	0	0	37,760
26154003-Guadalupe Rv—Upper, SPRR to Blossom Hill Rd. (R7-12)	89,399	0	23,174	0	11,523	18,056	2,309	0	0	121,287
Actuals in closed project numbers	7,887	0	0	0	0	0	0	0	0	7,887
TOTAL	**134,556**	**139**	**23,174**	**945**	**13,545**	**18,090**	**2,309**	**0**	**0**	**169,585**

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	123,817
State of California	29,177
City of San Jose	4,591
Total	**169,585**
U.S. Army Corps of Engineers - In-kind Services	188,000

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $480,000 per year, beginning in FY 2025, for mitigation and monitoring labor and equipment, implementation of adaptive management measures, and operations and maintenance in accordance with the Corps 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
District Contact	Ngoc Nguyen nnguyen@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 (Corps) to plan, design, and construct improvements along approximately 2 miles of Berryessa Creek, from Calaveras Boulevard to Interstate 680, to accomplish the following objectives:

- Provide one-percent 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 (LOMR) from the Federal Emergency Management Agency (FEMA).
- Incorporate the District's Clean, Safe Creeks and Natural Flood Protection Program Objectives.

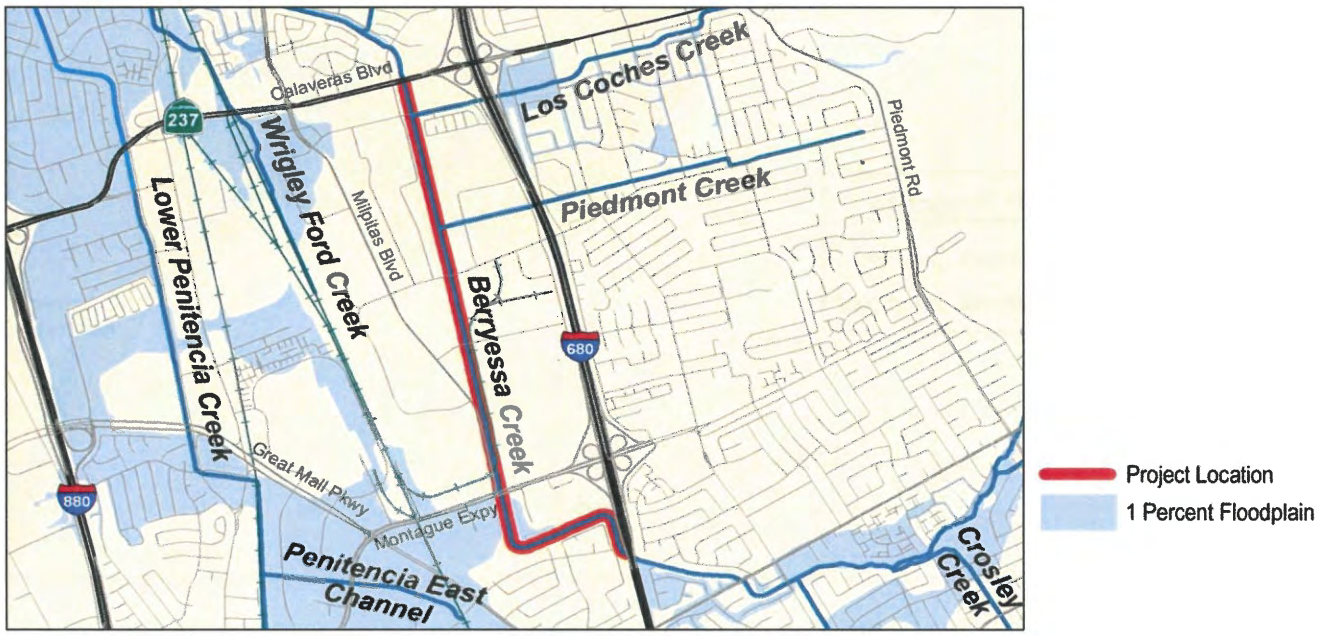
This project is accounted for in the following job numbers:

26174041—Coordination with Corps

26174042—Reimbursable work—Lands, Easements, Rights of Way, Relocations and Disposal (LERRDs)

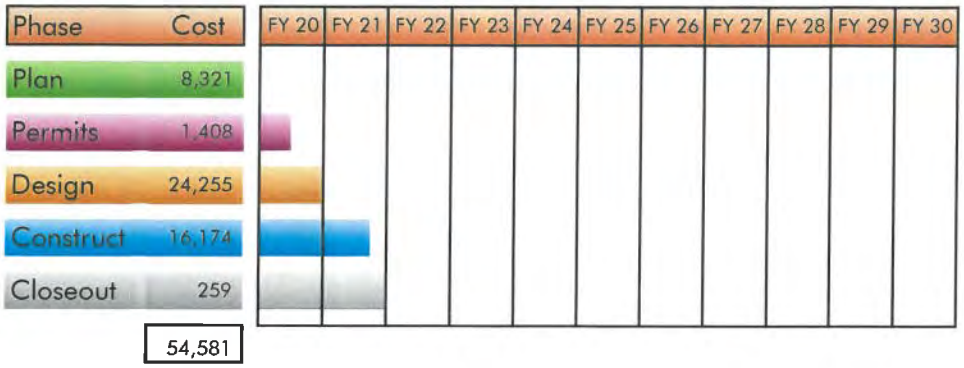
This project meets the commitments of the voter approved Safe, Clean Water Program. For a full description of the SCW benefits and KPI's, please visit www.valleywater.org.

PROJECT LOCATION



SCHEDULE & STATUS

January 2000 to June 2021



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY19	FY20	FY21	FY22	FY23	FY24	FY25	Future	
26174041-Berryessa Creek, Corps Coordination	22,443	13,100	50	0	0	0	0	0	35,593
with inflation	22,443	13,100	50	0	0	0	0	0	35,593
26174042-Berryessa Creek, LERRDs	17,462	1,526	0	0	0	0	0	0	18,988
with inflation	17,462	1,526	0	0	0	0	0	0	18,988
TOTAL	**39,905**	**14,626**	**50**	**0**	**0**	**0**	**0**	**0**	**54,581**
with inflation	**39,905**	**14,626**	**50**	**0**	**0**	**0**	**0**	**0**	**54,581**

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY19	FY20		FY21	FY22	FY23	FY24	FY25	Future	
26174041-Berryessa Creek, Corps Coordination	35,566	0	23	27	0	0	0	0	0	35,593
26174042-Berryessa Creek, LERRDs	18,986	2	0	0	0	0	0	0	0	18,988
TOTAL	**54,552**	**2**	**23**	**27**	**0**	**0**	**0**	**0**	**0**	**54,581**

Adjusted Budget includes adopted budget plus approved budget adjustments. Allocated funding exceeds planned expenditures by approximately $6,604,000. Excess funds will be returned to Fund Reserves at the end of the project.

FUNDING SOURCES

(in thousands $)

SCVWD Clean, Safe Creeks and Natural Flood Protection Fund	18,981
State of California	25,600
Department of Water Resources (Prop 1E)	10,000
Total	**54,581**
U.S. Army Corps of Engineers - In-kind Services	13,600

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $80,000 per year, beginning in FY 2022, to maintain approximately 2 miles of new levees and flood walls, and for activities such as vegetation spraying and graffiti removal.

USEFUL LIFE: 30+ Years

Project	**Berryessa Creek, Lower Penitencia Creek to Calaveras Boulevard**
Program	Flood Protection – Coyote Watershed
Project No.	40174004s
District Contact	Ngoc Nguyen NNguyen@valleywater.org

Berryessa Creek upstream of the confluence with Lower Penitencia Creek

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements along approximately 3 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:

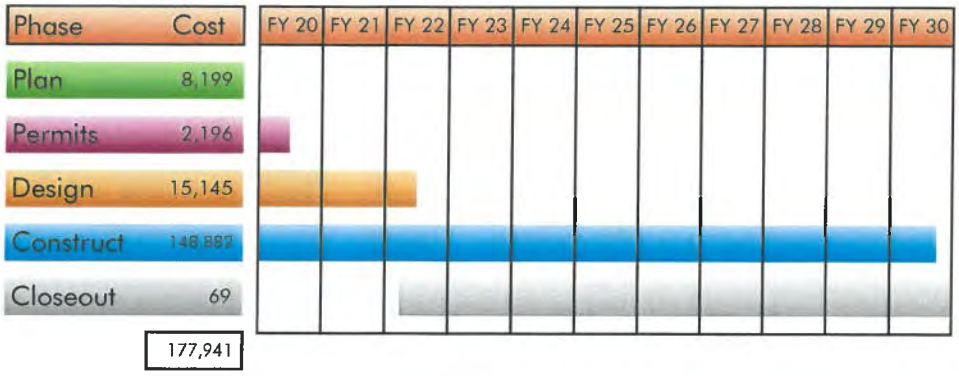
- Provide one-percent flood protection to 1,823 homes, businesses, and public buildings in the surrounding area.
- Improve the structural integrity of the levees.
- Improve maintenance access and safety for Valley Water staff.
- Identify opportunities to integrate recreation inputs consistent with the City of Milpitas' Trail Master Plan.
- Obtain a Letter of Map Revision (LOMR) from the Federal Emergency Management Agency (FEMA).
- Incorporate Valley Water's Clean, Safe Creeks and Natural Flood Protection (NFP) Program Objectives.

PROJECT LOCATION

SCHEDULE & STATUS

March 2001 to June 2027

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



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY19	FY20	FY21	FY22	FY23	FY24	FY25	Future	
40174004-Berryessa Creek, Lower Penitencia Creek to Calaveras Boulevard Phase 1	46,724	105	100	100	0	0	0	0	47,029
with inflation	46,724	105	105	110	0	0	0	0	47,044
40174005-Berryessa Creek, Lower Penitencia Creek to Calaveras Boulevard Phase 2	58,214	16,120	1,510	837	140	0	0	0	76,821
with inflation	58,214	16,120	1,586	923	162	0	0	0	77,004
40C40397-Berryessa Creek, Lower Penitencia Creek to Calaveras Boulevard Phase 3	0	0	0	0	0	0	0	54,091	54,091
with inflation	0	0	0	0	0	0	0	71,236	71,236
TOTAL	**104,938**	**16,225**	**1,610**	**937**	**140**	**0**	**0**	**54,091**	**177,941**
with inflation	**104,938**	**16,225**	**1,691**	**1,033**	**162**	**0**	**0**	**71,236**	**195,285**

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY19	FY20		FY21	FY22	FY23	FY24	FY25	Future	
40174004-Berryessa Creek, Lower Penitencia Creek to Calaveras Boulevard Phase 1	50,191	0	3,362	0	0	0	0	0	0	50,191
40174005-Berryessa Creek, Lower Penitencia Creek to Calaveras Boulevard Phase 2	75,875	0	1,541	45	923	162	0	0	0	77,004
40C40397-Berryessa Creek, Lower Penitencia Creek to Calaveras Boulevard Phase 3	0	0	0	0	0	0	0	0	71,236	71,236
TOTAL	**126,066**	**0**	**4,903**	**45**	**923**	**162**	**0**	**0**	**71,236**	**198,432**

Adjusted Budget includes adopted budget plus approved budget adjustments. Allocated funding exceeds planned expenditures by approximately $3,147,000. Excess funds will be returned to Fund Reserves at the close of the project.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	183,418
Department of Water Resources (Prop 1E)	15,014
Total	**198,432**

OPERATING COST IMPACTS

The completion of this project is anticipated to increase annual operating costs by approximately $70,000 per year. Operating costs will increase with completion of construction of each of three phases: beginning with a $35,000 increase in FY 2018 (one year after completion of Phase 1), increasing to $45,000 in FY 2023 (one year after completion of Phase 2), and finally increasing to $70,000 in FY 2028 (one year after completion of Phase 3). These costs will be for increased maintenance activities such as sediment removal, vegetation management, levee maintenance, graffiti abatement, and trash & debris cleanup.

USEFUL LIFE: 30+ Years

Project	**Coyote Creek, Montague Expressway to Tully Road**
Program	Flood Protection – Coyote Watershed
Project No.	26174043
District Contact	Ngoc Nguyen NNguyen@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 9 miles of Coyote Creek, from Montague Expressway to Tully Road, to accomplish the following objectives:

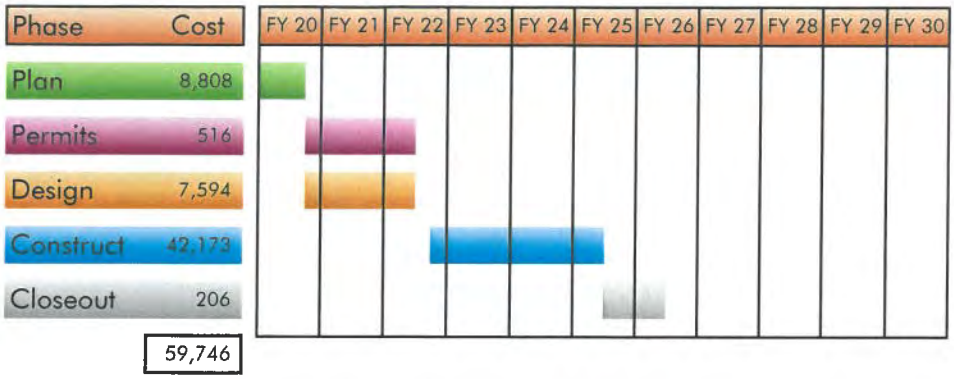
- To reduce the risk of flooding to homes, schools, businesses, and highways from approximately a 20 year flood event (February 2017 event), from Montague Expressway to Tully Road.
- Improve water quality, enhance stream habitat, and provide recreational opportunities.
- Incorporate aesthetic elements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

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

PROJECT LOCATION

SCHEDULE & STATUS

November 2017 to March 2025



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY19	FY20	FY21	FY22	FY23	FY24	FY25	Future	
26174043-Coyote Creek, Montague Expressway to Tully Road	12,987	941	3,253	6,400	18,750	16,090	1,325	0	59,746
with inflation	12,987	941	3,416	6,984	21,186	19,117	1,691	0	66,322

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY19	FY20		FY21	FY22	FY23	FY24	FY25	Future	
26174043-Coyote Creek, Montague Expressway to Tully Road	14,000	941	1,013	2,403	6,984	21,186	19,117	1,691	0	66,322

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Clean, Safe Creeks and Natural Flood Protection Fund	66,322
Other Funding Source	0
Total	**66,322**

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.

USEFUL LIFE: 30+ Years

Project	**Cunningham Flood Detention Certification**
Program	Flood Protection – Coyote Watershed
Project No.	40264011
District Contact	Ngoc Nguyen NNguyen@valleywater.org

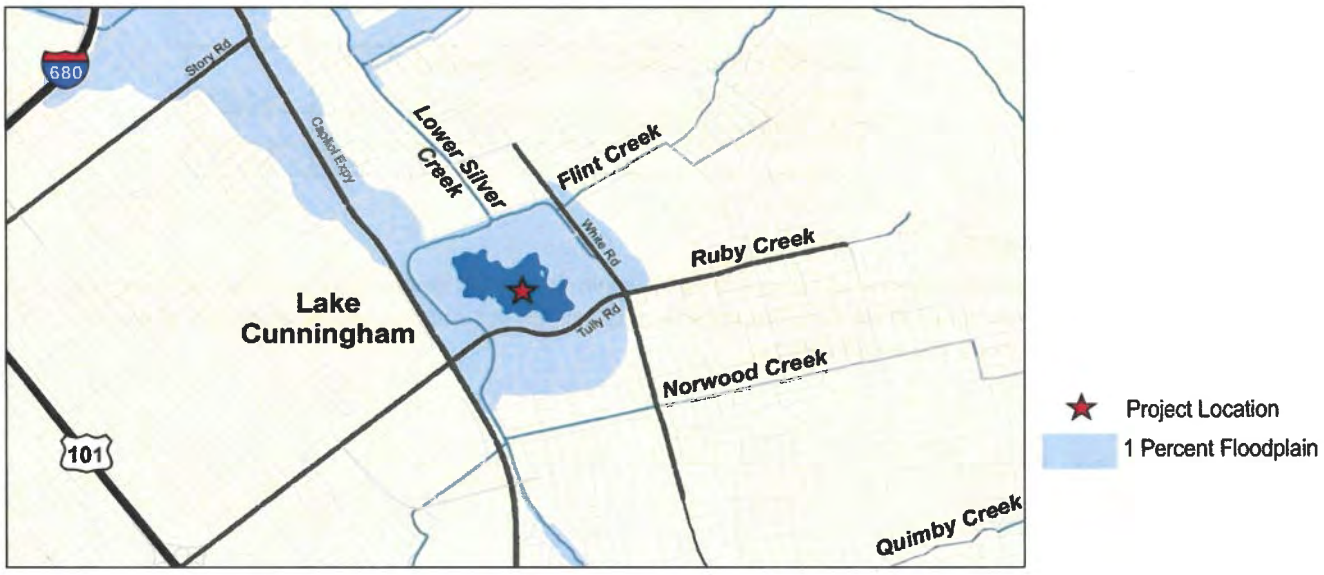
Flooding from Lower Silver Creek in February 1969 at the future site of Lake Cunningham Regional Park

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 (LSC 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 (FEMA) 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-percent 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.

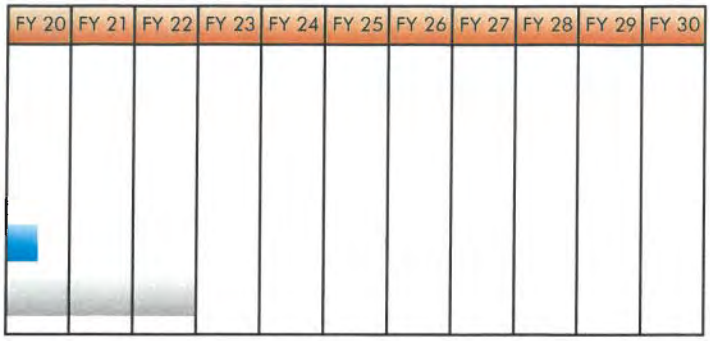
PROJECT LOCATION



SCHEDULE & STATUS

August 1999 to Decmber 2019

Phase	Cost
Plan	2,323
Permits	366
Design	2,278
Construct	6,435
Closeout	15
	11,837



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY19	FY20	FY21	FY22	FY23	FY24	FY25	Future	
40264011-Cunningham Flood Detention Certification	11,010	767	30	30	0	0	0	0	11,837
with inflation	11,010	767	32	33	0	0	0	0	11,842

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY19	FY20		FY21	FY22	FY23	FY24	FY25	Future	
40264011-Cunningham Flood Detention Certification	11,251	556	30	2	33	0	0	0	0	11,842

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	6,542
California Department of Water Resources	1,000
Natural Resource Conservation Service	4,300
Total	**11,842**

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operations costs. The project is within Valley Water jurisdiction and it is designed to minimize maintenance activities such as sediment removal, so as to have minimal or no additional impact to the operating budget.

USEFUL LIFE: 30+ Years

Project	**Lower Penitencia Creek Improvements, Berryessa to Coyote Creeks**
Program	Flood Protection – Coyote Watershed
Project No.	40334005
District Contact	Ngoc Nguyen NNguyen@valleywater.org

Lower Penitencia Creek, looking downstream from Milmont Drive

PROJECT DESCRIPTION

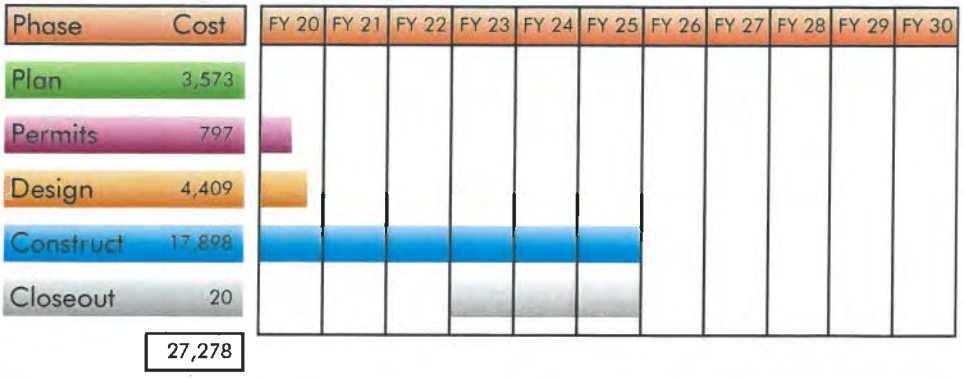
This project plans, designs, and constructs improvements along approximately 1 mile of Lower Penitencia Creek from the downstream confluence with Coyote Creek to the upstream face of San Andreas Drive, to accomplish the following objectives:

- Convey the Lower Berryessa Creek one-percent 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 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 June 2022



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures						Total
Project	FY19	FY20	FY21	FY22	FY23	FY24	FY25	Future	
40334005-Lower Penitencia Creek Improvements, Berryessa to Coyote Creeks	8,804	8,656	8,500	550	550	270	0	0	27,330
with inflation	8,804	8,656	8,781	606	637	328	0	0	27,812

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY19	FY20		FY21	FY22	FY23	FY24	FY25	Future	
40334005-Lower Penitencia Creek Improvements, Berryessa to Coyote Creeks	16,297	8,990	7,827	954	606	637	328	0	0	27,812

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	22,812
Department of Water Resources (Prop 1E)	5,000
Total	**27,812**

OPERATING COST IMPACTS

Operating cost impacts will be established during the design phase.

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
District Contact	Tim Bramer TBramer@valleywater.org

Lower Silver Creek looking upstream from Capital Expressway

PROJECT DESCRIPTION

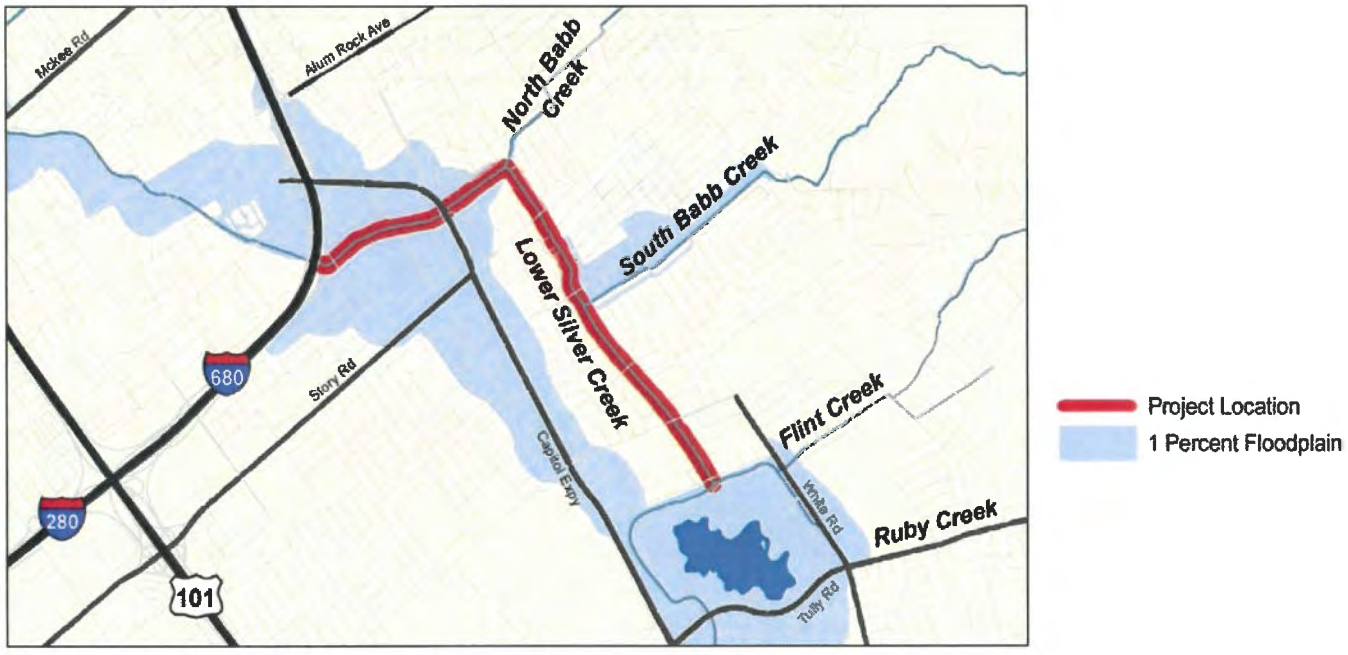
This project is part of a flood control project that partners with the Natural Resource Conservation Service (NRCS) to plan, design and construct improvements along approximately 2.3 miles of Lower Silver Creek, from Interstate 680 to Lake Cunningham. This project includes elements that are eligible 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 job numbers:

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

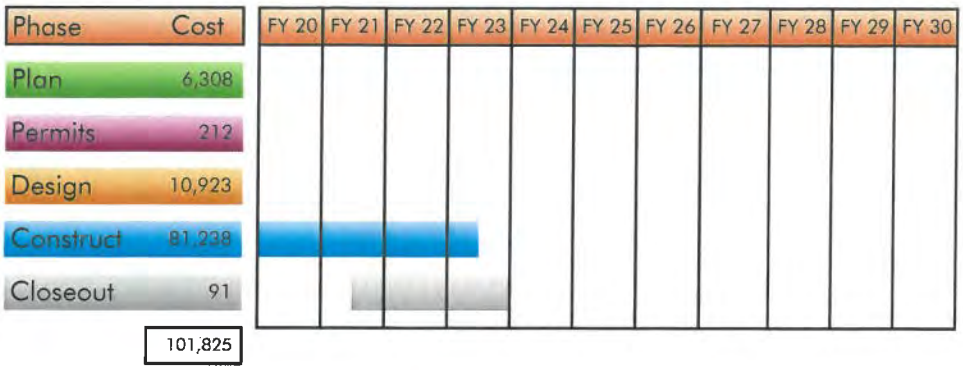
PROJECT LOCATION



SCHEDULE & STATUS

August 2008 to June 2023

Planning and Design phases are complete



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY19	FY20	FY21	FY22	FY23	FY24	FY25	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)	95,073	1,934	160	50	50	0	0	0	97,267
with inflation	95,073	1,934	167	55	58	0	0	0	97,287
40264012-Lower Silver Creek, LERRDs (R4-6)	1,897	250	40	0	0	0	0	0	2,187
with inflation	1,897	250	42	0	0	0	0	0	2,189
TOTAL	99,341	2,184	200	50	50	0	0	0	101,825
with inflation	99,341	2,184	209	55	58	0	0	0	101,847

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY19	FY20		FY21	FY22	FY23	FY24	FY25	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)	96,266	741	0	167	55	58	0	0	0	97,287
40264012-Lower Silver Creek, LERRDs (R4-6)	2,912	0	765	0	0	0	0	0	0	2,912
TOTAL	101,549	741	765	167	55	58	0	0	0	102,570

Adjusted Budget includes adopted budget plus approved budget adjustments. Funding exceeds planned expenditures by approximately $723,000. Excess funding will be returned to reserves upon completion of the project.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	49,480
State of California	8,414
Natural Resource Conservation Service - ARRA	20,676
California Department of Water Resources	24,000
Total	**102,570**

OPERATING COST IMPACTS

The current average estimated operating budget impacts for the project post-construction are projected at $230k/year as evaluated by Watersheds O&M Engineering Support staff. Projected operating and maintenance costs include sediment removal, vegetation management, and bank protection. Other operations and maintenance costs anticipated will include encampment cleanup and graffiti removal on Project floodwalls.

USEFUL LIFE: 50+ Years

Project	**Upper Penitencia Creek, Coyote Creek to Dorel Drive**
Program	Flood Protection – Coyote Watershed
Project No.	40324003s
District Contact	Ngoc Nguyen NNguyen@valleywater.org

Flooding at King Road on Upper Penitencia Creek

PROJECT DESCRIPTION

Initially, this project partnered with the U.S. Army Corps of Engineers (Corps) to plan, design, and construct improvements along approximately 4.2 miles of Upper Penitencia Creek, from the confluence with Coyote Creek to Dorel Drive, to accomplish the objectives listed below. In 2016, the Corps decided that the multi-objective project which is appropriate for this creek could not be funded under the existing single-purpose authorization. The Project was not included in the Corp's 2017 workplan.

Objectives:

- Provide one-percent flood protection to more than 5,000 homes, businesses, and public buildings.
- Improve stream habitat values and fisheries potential.
- Reduce sedimentation and maintenance requirements.
- Identify opportunities to integrate recreation improvements consistent with the City of San Jose's Master Plans, the County's Penitencia Creek Master Plan, and Santa Clara Countywide Trails Master Plan.
- Incorporate Valley Water's Clean, Safe Creeks and Natural Flood Protection (NFP) Program Objectives.

This project is accounted for in the following job numbers:

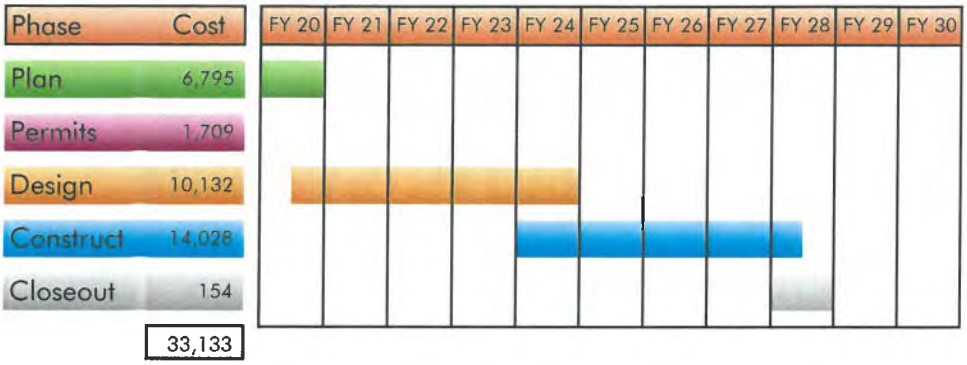
- 40324003 Conduct initial stages of Planning Phase through FY18.
- 26324001 Safe Clean Water Program

This project meets the commitments of the voter approved Safe, Clean Water Program, Project E4. For a full description of the SCW benefits and KPI's, please visit www.valleywater.org.

PROJECT LOCATION

SCHEDULE & STATUS

July 2000 to December 2019



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY19	FY20	FY21	FY22	FY23	FY24	FY25	Future	
40324003-Upper Penitencia Ck, Coyote Ck to Dorel Dr, Corps	9,467	10	0	0	0	0	0	0	9,477
with inflation	9,467	10	0	0	0	0	0	0	9,477
40324005-Upper Penitencia Ck, Coyote Ck to Dorel Dr, LERRDs	2,305	10	0	0	0	0	0	0	2,315
with inflation	2,305	10	0	0	0	0	0	0	2,315
26324001-Upper Penitencia Ck, Coyote Ck to Dorel Dr	649	1,305	2,516	2,516	200	1,811	1,341	11,003	21,341
with inflation	649	1,305	2,642	2,774	232	2,201	1,711	13,485	24,999
TOTAL	**12,421**	**1,325**	**2,516**	**2,516**	**200**	**1,811**	**1,341**	**11,003**	**33,133**
with inflation	**12,421**	**1,325**	**2,642**	**2,774**	**232**	**2,201**	**1,711**	**13,485**	**36,791**

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY19	FY20		FY21	FY22	FY23	FY24	FY25	Future	
40324003-Upper Penitencia Ck, Coyote Ck to Dorel Dr, Corps	8,970	507	0	0	0	0	0	0	0	9,477
40324005-Upper Penitencia Ck, Coyote Ck to Dorel Dr, LERRDs	7,347	0	5,032	0	0	0	0	0	0	7,347
26324001-Upper Penitencia Ck, Coyote Ck to Dorel Dr	1,910	1,305	1,261	1,381	2,774	232	2,201	1,711	13,485	24,999
TOTAL	**18,227**	**1,812**	**6,293**	**1,381**	**2,774**	**232**	**2,201**	**1,711**	**13,485**	**41,823**

Adjusted Budget includes adopted budget plus approved budget adjustments. Approved Funding exceeds planned expenditures by approximately $5,032,000. Excess funding will be returned to reserves at the end of the project.

FUNDING SOURCES

(in thousands $)

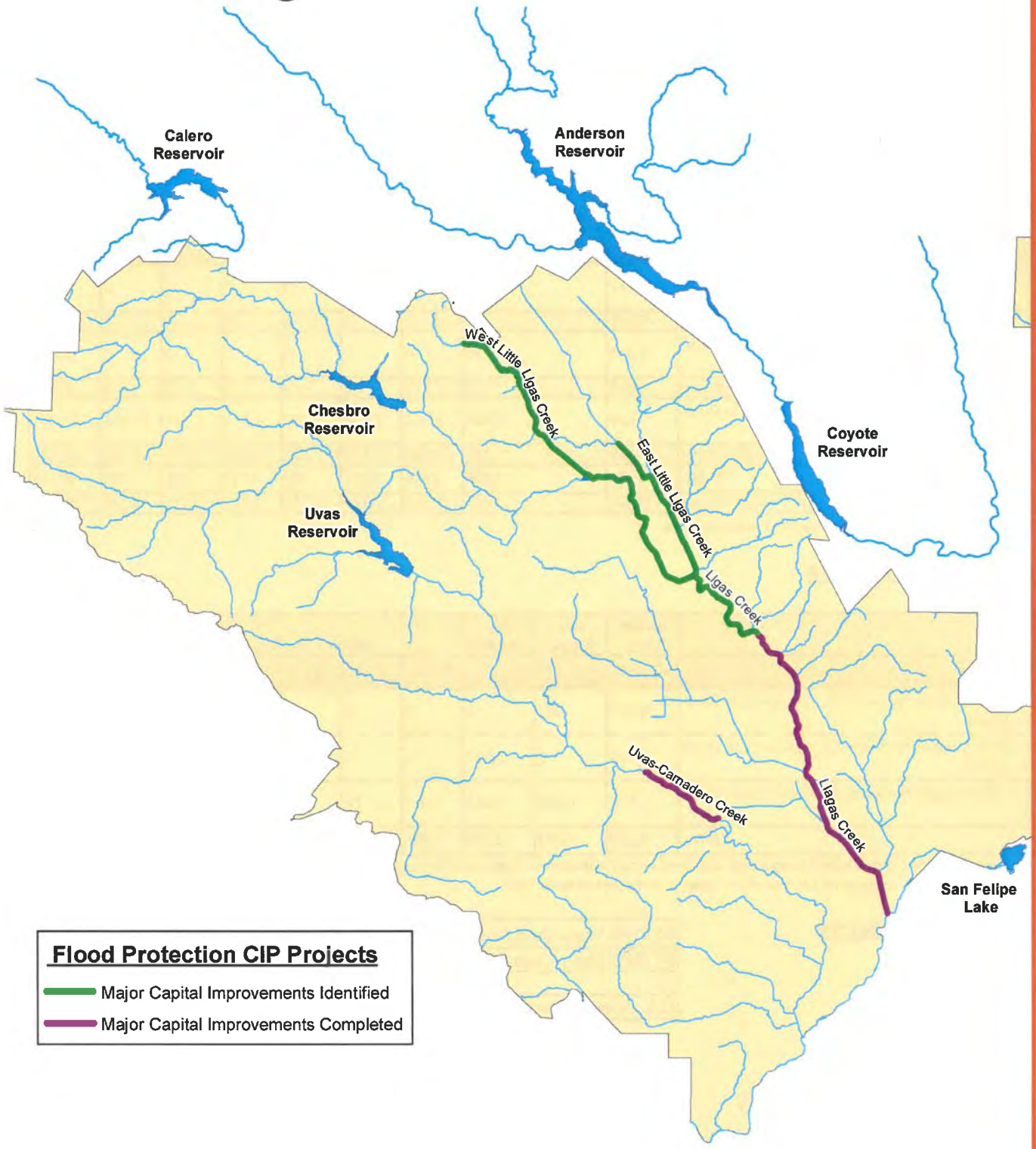
SCVWD Watershed Stream Stewardship Fund	16,824
SCVWD Safe, Clean Water Fund	24,999
Total	**41,823**
U.S. Army Corps of Engineers - In-kind Services	102,720

OPERATING COST IMPACTS

Operating cost impacts will be provided after completion of the planning phase.

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
District Contact	Tim Bramer TBramer@valleywater.org

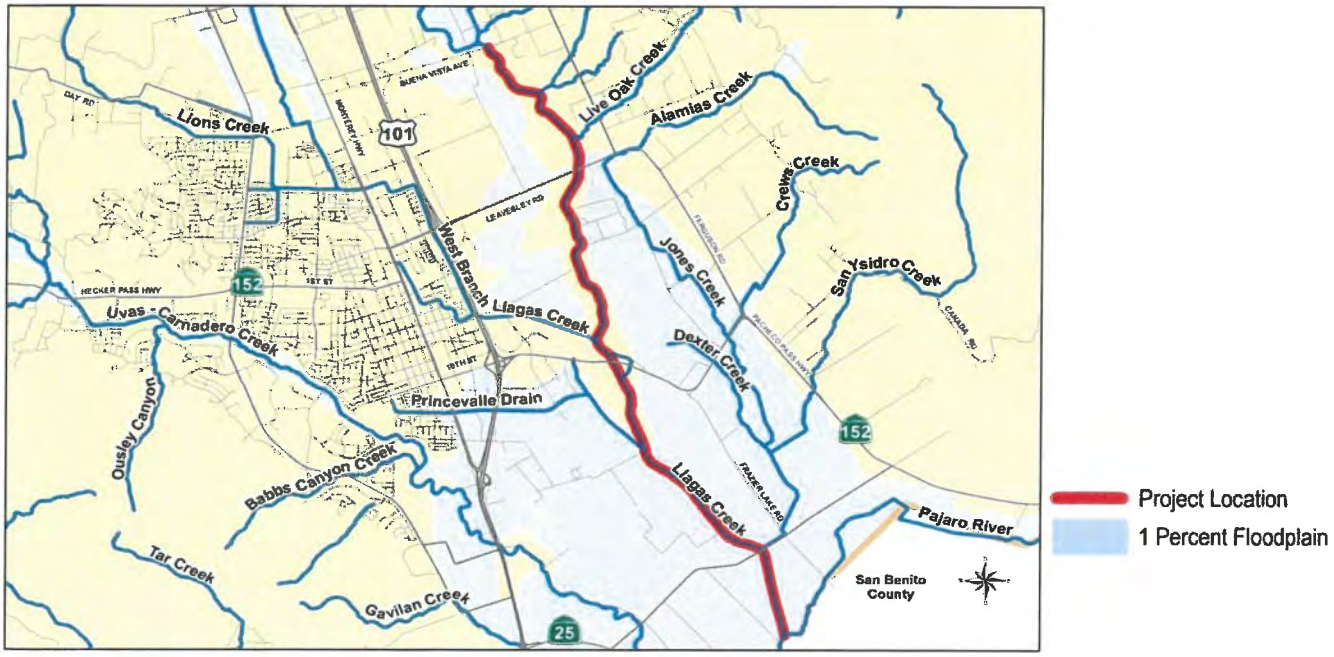
Lower Llagas Creek near Pajaro River

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements on approximately 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 (FEMA) 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 (SCRWA).

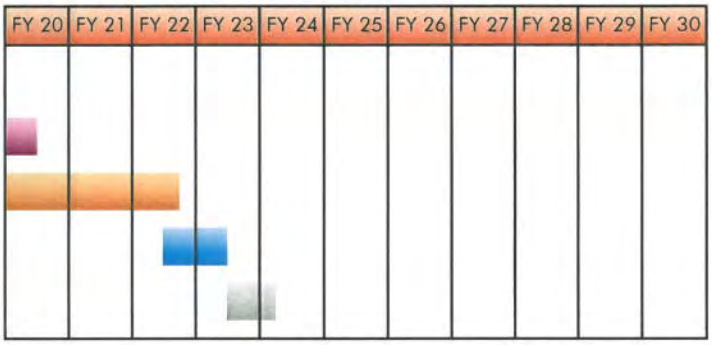
PROJECT LOCATION



SCHEDULE & STATUS

September 2008 to July 2023

Phase	Cost
Plan	3,258
Permits	1,052
Design	2,748
Construct	5,600
Closeout	100
	12,758



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY19	FY20	FY21	FY22	FY23	FY24	FY25	Future	
50284010-Llagas Creek–Lower, Capacity Restoration, Buena Vista Avenue to Pajaro River	3,323	815	820	1,350	3,450	3,000	0	0	12,758
with inflation	3,323	815	861	1,488	3,864	3,401	0	0	13,752

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY19	FY20		FY21	FY22	FY23	FY24	FY25	Future	
50284010-Llagas Creek–Lower, Capacity Restoration, Buena Vista Avenue to Pajaro River	6,947	0	2,809	0	0	3,404	3,401	0	0	13,752

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	12,632
State of California	1,120
Total	**13,752**

OPERATING COST IMPACTS

Operating costs unknown since planning (consideration of alternatives) is not complete.

USEFUL LIFE: 30+ Years

Project	**Llagas Creek–Upper, Buena Vista Avenue to Llagas Road**
Program	Flood Protection – Uvas/Llagas Watershed
Project No.	26174051s
District Contact	Tim Bramer TBramer@valleywater.org

Llagas Creek floods at Watsonville Road and the surrounding area

PROJECT DESCRIPTION

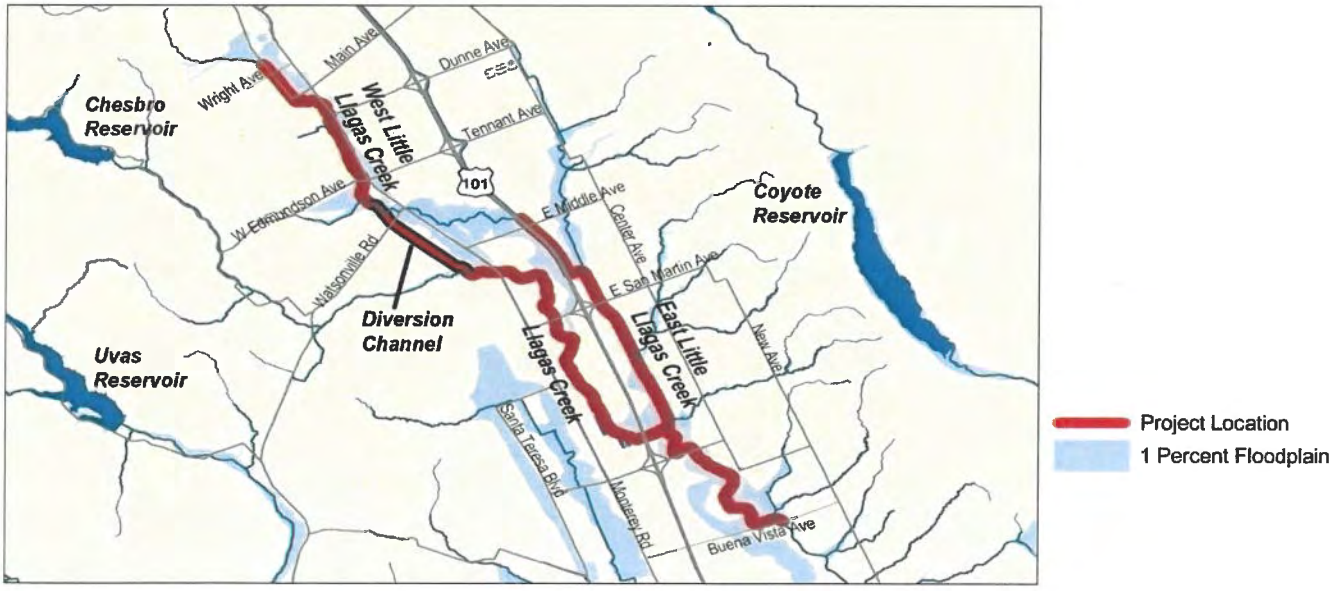
This project continues a Clean, Safe Creeks project in partnership with the U.S. Army Corps of Engineers (USACE) and the state to plan, design, and construct improvements along 13.9 miles of channel. The project extends from Buena Vista Avenue to Llagas Road, including West Little Llagas Creek in downtown 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 job numbers:

- 26174051- Reaches 4-8 & 14 - Reimbursable - Lands, Easements, Rights of Way, Relocation, & Disposal (LERRDs)
- 26174052- Reaches 4-8 & 14 - Construction/Coordination with the Corps
- 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, Project E6. For a full description of the SCW benefits and KPI's, please visit www.valleywater.org.

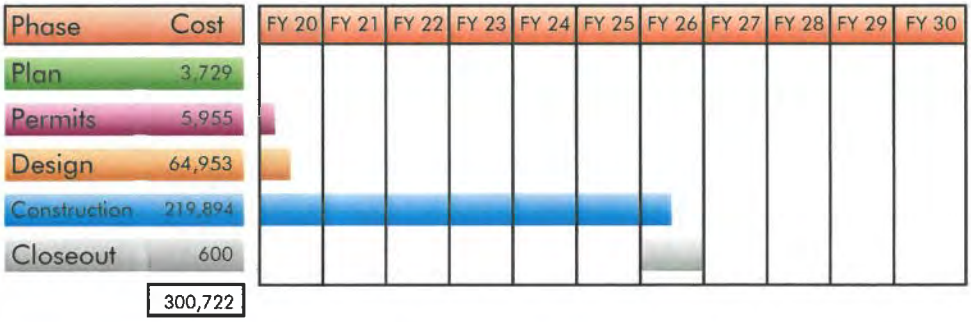
PROJECT LOCATION



SCHEDULE & STATUS

July 2000 to June 2026

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



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY19	FY20	FY21	FY22	FY23	FY24	FY25	Future	
26174051-Llagas Ck—Upper, LERRDs	39,784	5,255	0	0	0	0	0	0	45,039
with inflation	39,784	5,255	0	0	0	0	0	0	45,039
26174052-Llagas Ck—Upper, Corps Coordination	11,024	40,042	45,250	46,250	45,250	11,400	3,050	250	202,516
with inflation	11,024	40,042	46,713	48,091	47,278	11,816	3,277	332	208,572
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	21,775	1,000	900	900	1,050	1,050	1,150	950	28,775
with inflation	21,775	1,000	945	992	1,216	1,276	1,468	1,261	29,933
50C40335-Llagas Ck—Upper, Construction Rch 5, 6, & 7b	0	17,510	6,000	0	0	0	0	0	23,510
with inflation	0	17,510	6,180	0	0	0	0	0	23,690
TOTAL	**74,029**	**63,807**	**52,150**	**47,150**	**46,300**	**12,450**	**4,200**	**1,200**	**277,776**
with inflation	**74,029**	**63,807**	**53,838**	**49,083**	**48,493**	**13,092**	**4,745**	**1,593**	**284,989**

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY19	FY20		FY21	FY22	FY23	FY24	FY25	Future	
26174051-Llagas Ck—Upper, LERRDs	43,057	1,983	1	0	0	0	0	0	0	45,040
26174052-Llagas Ck—Upper, Corps Coordination	40,895	10,171	0	46,713	48,091	47,278	11,816	3,277	332	208,572
26174053-Llagas Ck—Upper, Technical Studies	1,446	0	0	0	0	0	0	0	0	1,446
26174054-Llagas Ck—Upper, Design	27,932	261	5,418	0	0	0	0	479	1,261	29,933
50C40335-Llagas Ck—Upper, Construction Rch 5, 6, & 7b	0	17,510	0	6,180	0	0	0	0	0	23,690
TOTAL	**113,330**	**29,925**	**5,419**	**52,893**	**48,091**	**47,278**	**11,816**	**3,756**	**1,593**	**284,990**

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

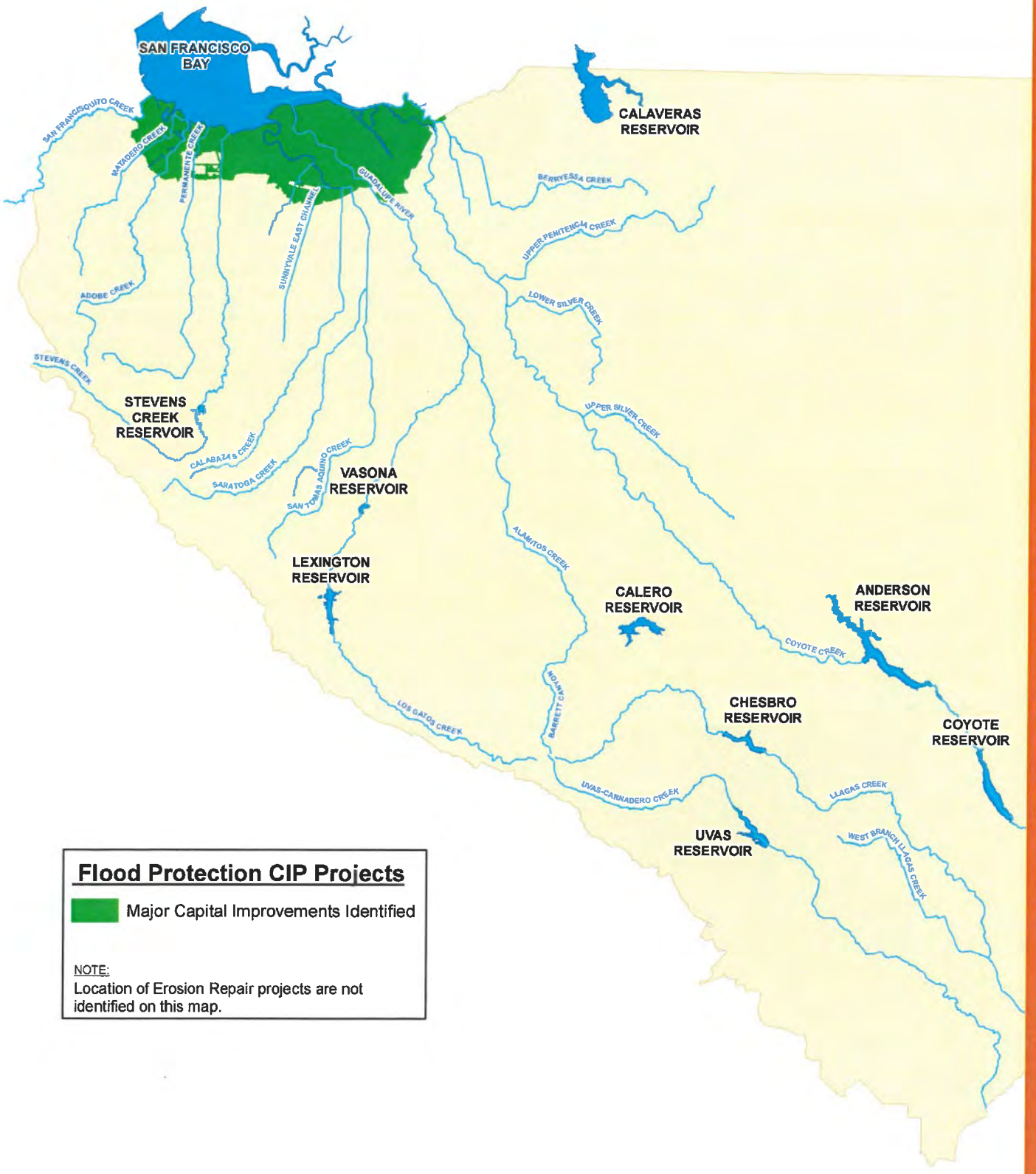
SCVWD Clean, Safe Creeks and Natural Flood Protection Fund	17,900
SCVWD Safe Clean Water Program Fund	125,464
Watershed Stream Stewardship Fund	23,690
State of California	39,208
City of Morgan Hill	3,341
NRCS Grants (Unsecured)	75,386
Total	**284,989**
U.S. Army Corps of Engineers - In-kind Services	65,000

OPERATING COST IMPACTS

Operation-maintenance costs post-construction are currently anticipated to be approximately $850k per year.

USEFUL LIFE: 30+ Years

Multiple Watersheds



Flood Protection CIP Projects

Major Capital Improvements Identified

NOTE:
Location of Erosion Repair projects are not identified on this map.

Project	**San Francisco Bay Shoreline**
Program	Flood Protection – Multiple Watersheds
Project No.	00044026s
District Contact	Ngoc Nguyen NNguyen@valleywater.org

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

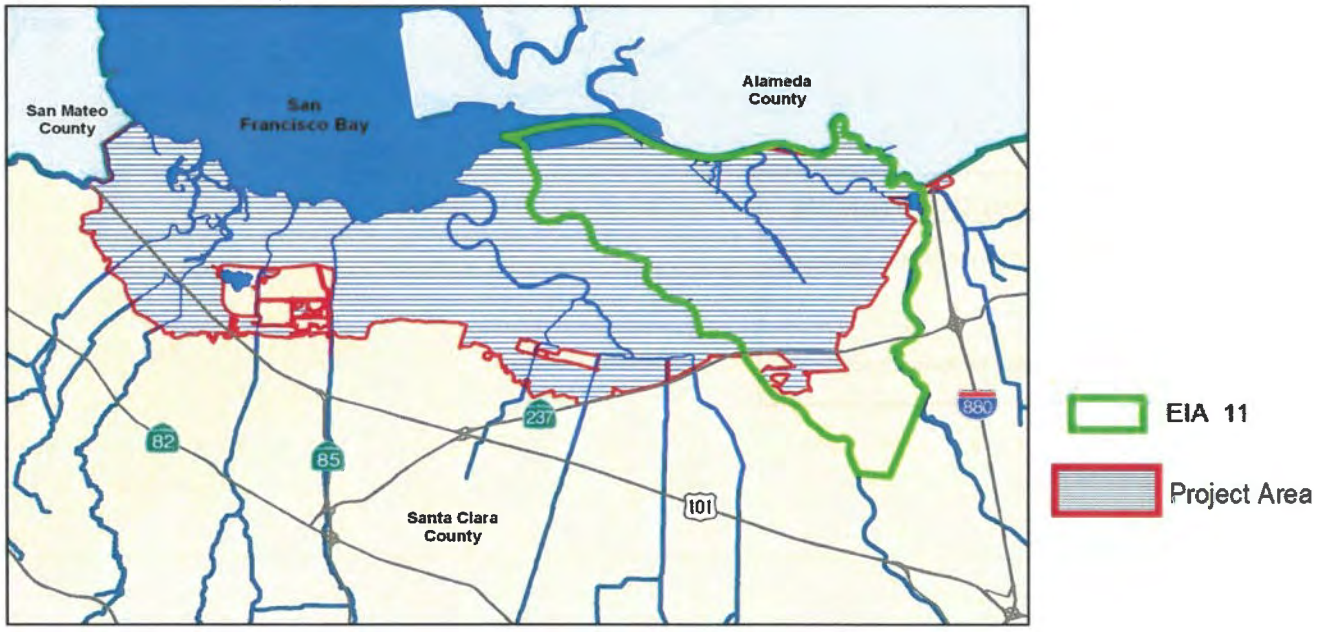
PROJECT DESCRIPTION

This project partners with the California Coastal Conservancy, U.S. Army Corps of Engineers (Corps), and key stakeholders to conduct an integrated, multi-objective project along the San Francisco Bay Shoreline. Project number 00044026 funded the Corps Feasibility Study effort for the North San Jose area, known as Economic Impact Area 11 (EIA 11) which was completed in FY 17; this project number will continue to fund other Shoreline efforts outside of the Safe, Clean Water (SCW) project numbers. Valley Water share of the EIA 11 flood risk management design and construction is $46.8M. It is expected that a grant from Measure AA will partially fund this project. SCW funds will provide $15 million toward the District's cost share of the design and partial construction efforts for EIA 11 and $5 million toward the Valley Water's cost share of the planning and design efforts for the remaining EIAs to accomplish the following objectives:

- Provide integrated fluvial and one-percent 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 LOMR from the Federal Emergency Management Agency at completion of the Construction Phase.
- Coordinate closely with the South Bay Salt Pond Restoration Project, City of San Jose, U.S. Fish and Wildlife Services, the community and key stakeholders.

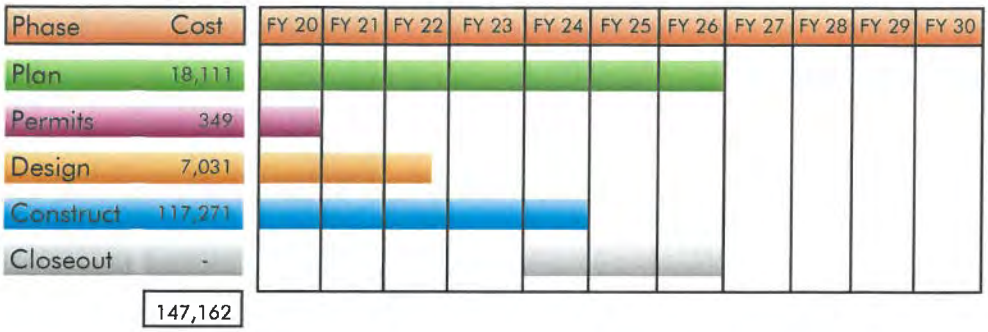
This project meets the commitments of the voter approved Safe, Clean Water Program, Project E7. For a full description of the SCW benefits and KPI's, please visit www.valleywater.org.

PROJECT LOCATION



SCHEDULE & STATUS

July 2005 to June 2026



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY19	FY20	FY21	FY22	FY23	FY24	FY25	Future	
00044026-San Francisco Bay Shoreline	14,020	36,690	13,948	26,872	1,572	30,572	100	100	123,874
with inflation	14,020	36,690	14,398	28,574	1,820	34,551	128	133	130,312
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	9,955	7,561	0	0	0	0	0	0	17,516
with inflation	9,955	7,561	0	0	0	0	0	0	17,516
26444002-Other EIAs Planning	2,133	680	600	600	500	500	500	100	5,613
with inflation	2,133	680	630	662	579	608	638	133	6,062
TOTAL	**26,467**	**44,931**	**14,733**	**27,472**	**2,072**	**31,072**	**600**	**200**	**147,362**
with inflation	**26,467**	**44,931**	**15,028**	**29,235**	**2,399**	**35,158**	**766**	**265**	**154,249**

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY19	FY20		FY21	FY22	FY23	FY24	FY25	Future	
00044026-San Francisco Bay Shoreline	17,278	33,432	0	14,398	28,574	1,820	34,551	128	133	130,312
62044042-Shoreline Early Implementation	359	0	0	0	0	0	0	0	0	359
26444001-EIA 11 Design & Part Construction	14,516	3,000	0	0	0	0	0	0	0	17,516
26444002-Other EIAs Planning	3,757	0	944	0	348	579	608	638	133	6,062
TOTAL	**35,910**	**36,432**	**944**	**14,398**	**28,921**	**2,399**	**35,158**	**766**	**265**	**154,249**

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	65,943
SCVWD Clean, Safe Creeks and Natural Flood Protection Fund (Environmental Enhancement Grant)	2,011
SCVWD Safe, Clean Water and Natural Flood Protection Fund	23,578
California Department of Water Resources	420
SFBRA Measure AA (Grant)	61,466
SFBRA Measure AA (Ballot Reimbursement)	831
Total	**154,249**
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, Corps of Engineers, Shoreline	8,990
Total Partnership Funding for In-kind Services	**91,250**

OPERATING COST IMPACTS

Operating costs will be determined during the planning phase.

USEFUL LIFE: Not Available

Project	**Watersheds Asset Rehabilitation Program**
Program	Flood Protection - Multiple Watersheds
Project No.	62084001
District Contact	Ngoc Nguyen NNguyen@valleywater.org

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

PROJECT DESCRIPTION

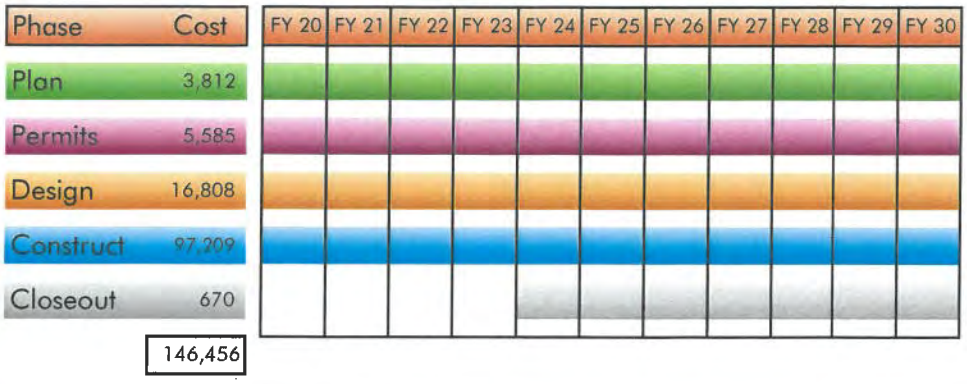
This project plans, designs, and constructs repairs to levee and stream bank sites that have erosion damage. Each site requires a different type of repair based on location, severity, and velocities in the creek. The objective of this project is to restore the stream bank or levee to a stable condition so as to reduce the risk of flooding and/or damage to adjacent properties and facilities. For facilities with animal conflict damage, the objective is to repair the damage caused by animals and where applicable, install deterrents for future animal activities. The repair work consists of, but is not limited to:

- Excavation and rebuilding of eroded soil material.
- Installation of rodent barriers such as mesh or fabric.
- Repairing the banks with methods commensurate with the extents of damage and environmental constraints.
- Geomorphic channel restoration with bed and bank repair.
- Outfall restoration and repair.
- Sediment removal and blockage repair.
- Fish ladder modifications and repairs.

PROJECT LOCATION

SCHEDULE & STATUS

Several small projects go through the design and construction phases each year under the SMP-2 permit.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY19	FY20	FY21	FY22	FY23	FY24	FY25	Future	
62084001-Watersheds Asset Rehabilitation Program	24,561	11,375	11,050	8,100	8,100	8,100	8,100	67,070	146,456
with inflation	24,561	11,375	11,423	8,679	8,984	9,301	9,630	93,085	177,037

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY19	FY20		FY21	FY22	FY23	FY24	FY25	Future	
62084001-Watersheds Asset Rehabilitation Program	24,455	11,481	0	11,423	8,679	8,984	9,301	9,630	93,085	177,037

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	177,037
City of Palo Alto (Matadero Creek)	227
Total	**177,037**

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

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 the 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 stewarship 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

Valley Water's Safe, Clean Water and Natural Flood Protection Program (Safe, Clean WaterProgram), approved by the voters of Santa Clara County in 2012, committed funding for environmental enhancement activities that create or restore tidal or riparian habitat. The CIP Planning Process will be conducted to allocate the Safe, Clean Water Program funding to the enhancement opportunities that meet Board-defined characteristics.

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 green house gas. Stewardship projects are implemented 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

Mitigation Projects

Valley Water manages many mitigation sites and continues to plan, design, and construct new mitigation sites to fulfill California Environmental Quality Act (CEQA) and regulatory permit requirements for both capital projects and operations activities.

Water Resources Stewardship Capital Improvements

Mitigation requirements for capital projects may be incorporated into the project scope or accomplished as a separate project.

Major Capital Improvements Identified in the CIP

- SMP Mitigation, Stream and Watershed Land Preservation

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 Final CIP in May.

Environmental enhancement and stewardship projects are implemented at the discretion of the Board. Projects may compete for Safe, Clean Water funds, outlined in the Safe, Clean Water Program, or the Board may direct that other available revenue be used to implement the proposed projects. The inclusion of these projects in the FY 2021-25 CIP has been approved by the Board.

Implementation of Mitigation projects is considered non-discretionary since they are needed to meet California Environmental Quality Act (CEQA) or regulatory permit commitments. Funding for mitigation projects is allocated per the CIP Planning Process.

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.

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 2019-20.

Water Resources Stewardship Capital Improvements ($K)

Project Number	PROJECT NAME	Through FY19	FY20	FY20 Unspent	FY21	FY22	FY23	FY24	FY25	FY26-35	TOTAL
	ENVIRONMENTAL ENHANCEMENT & STEWARDSHIP										
	Lower Peninsula Watershed										
00294001s	Stevens Creek Fish Passage Enhancement D4.x	850	-	-	2,077	6,607	3,536	3,595	2,869	-	19,534
26164001	Hale Creek Enhancement Pilot Study (D6)	4,832	21	2,699	172	3,968	-	-	-	-	8,993
	Guadalupe Watershed										
26044001	Almaden Lake Improvements (D4.1a)	4,554	1,153	-	8,832	8,275	8,523	-	-	-	31,337
	Coyote Watershed										
00C40400s	Watershed Habitat Enhancement Design & Construction	-	-	-	2,100	4,410	4,630	14,992	22,260	12,074	60,466
	Multiple Watersheds										
20444001s	Salt Ponds A5-11 Restoration	5,630	-	650	171	617	1,313	456	1,897	1,953	12,037
26044002	SCW Fish Passage Improvements (D4.3; Bolsa, Evelyn, Singleton)	4,280	1,048	-	3,098	-	-	-	-	-	8,426
26C40370	SCW Implementation Fund	-	-	-	-	2,127	1,184	218	-	-	3,529
26044003	Ogier Ponds Separation from Coyote Creek (D4.1b)	1,000	598	156	1,385	-	-	-	-	-	2,983
	ENVIRONMENTAL FEASIBILITY STUDIES										
62044001	Watershed Habitat Enhancement Studies	2,372	324	-	912	-	-	-	-	-	3,608
	ENVIRONMENTAL MITGATION										
62184001	SMP Mitigation, Stream and Watershed Land Preservation	16,733	36	605	-	-	-	-	-	-	16,769
	TOTAL	40,251	3,180	4,110	18,747	26,004	19,186	19,261	27,026	14,027	167,682

FY 2019-20 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 FY19	FY20	FY20 Unspent	FY21	FY22	FY23	FY24	FY25	FY26-35	TOTAL
61	Water Utility Enterprise Fund	5,597	21	2,699	3,858	10,143	3,472	13,168	16,985	6,037	59,281
12	Watershed Stream Stewardship Fund	28,826	1,513	1,001	10,406	13,734	14,530	5,875	8,144	6,037	89,065
26	Safe, Clean Water and Natural Flood Protection Fund	5,828	1,646	410	4,483	2,127	1,184	218	1,897	1,953	19,336
	TOTAL	40,251	3,180	4,110	18,747	26,004	19,186	19,261	27,026	14,027	167,682

FY 2019-20 Funds to be reappropriated

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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
District Contact	Vincent Gin VGin@valleywater.org

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

PROJECT DESCRIPTION

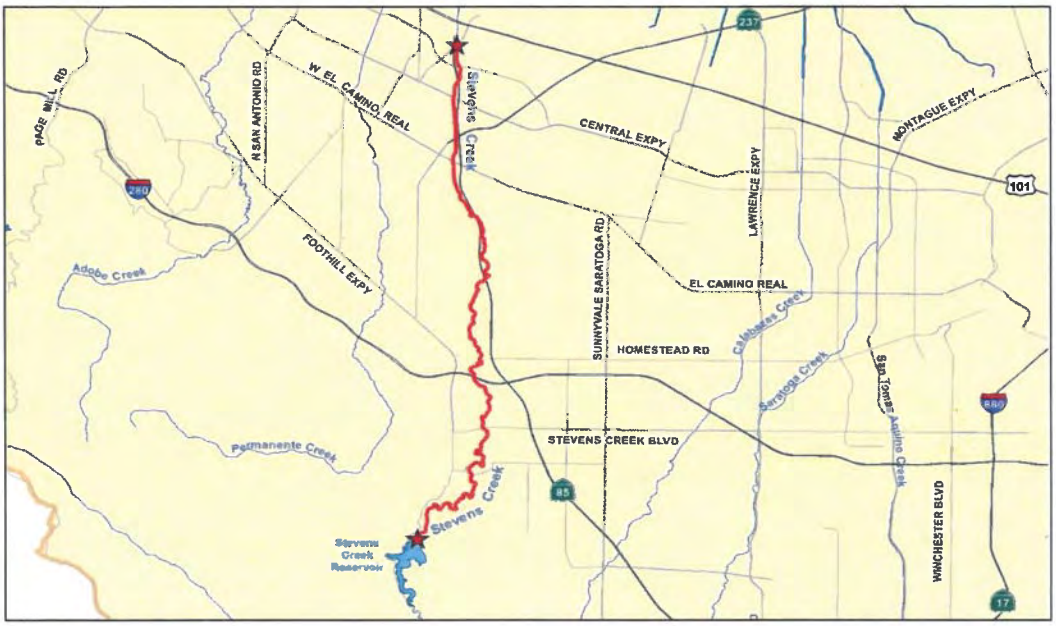
This project plans, designs, and constructs improvements to the Moffett Boulevard fish ladder to improve fish passage as well as a multiport outlet at Stevens Creek Dam to accomplish the following objectives:

- Restore and maintain a healthy steelhead trout population in the Stevens Creek watershed.
- Provide a suitable spawning and rearing habitat below Stevens Creek Dam within a cold water management zone determined on an annual basis through the development of an operations plan.
- 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 job numbers:

- 00294001 Fish Passage Planning
- 00C40145 Moffett Boulevard Fish Ladder
- 00C40198 Multi-Port Outlet at Dam
- 62C40403 Stevens Creek Fish Barrier Removal Construction

PROJECT LOCATION



SCHEDULE & STATUS

July 2008 to June 2020

Phase	Cost
Plan	850
Permits	122
Design	2,666
Construct	14,112
Closeout	80
	17,830

FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY19	FY20	FY21	FY22	FY23	FY24	FY25	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	1,305	1,820	0	0	0	0	3,125
with inflation	0	0	1,370	1,931	0	0	0	0	3,301
00C40198-FAHCE Stevens Ck Dam Multi-Port Outlet	0	0	373	1,182	0	0	0	0	1,555
with inflation	0	0	392	1,256	0	0	0	0	1,647
62C40403-Stevens Ck Fish Barrier Removal Construction	0	0	300	3,200	3,200	3,150	2,450	0	12,300
with inflation	0	0	315	3,420	3,536	3,595	2,869	0	13,735
TOTAL	**850**	**0**	**1,978**	**6,202**	**3,200**	**3,150**	**2,450**	**0**	**17,830**
with inflation	**850**	**0**	**2,077**	**6,606**	**3,536**	**3,595**	**2,869**	**0**	**19,533**

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY19	FY20		FY21	FY22	FY23	FY24	FY25	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	1,370	1,931	0	0	0	0	3,301
00C40198-FAHCE Stevens Ck Dam Multi-Port Outlet	0	0	0	392	1,256	0	0	0	0	1,647
62C40403-Stevens Ck Fish Barrier Removal Construction	0	0	0	315	3,420	3,536	3,595	2,869	0	13,735
TOTAL	**850**	**0**	**0**	**2,077**	**6,606**	**3,536**	**3,595**	**2,869**	**0**	**19,533**

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund–10%	1,953
SCVWD Water Utility Enterprise Fund–90%	17,580
Total	**19,533**

OPERATING COST IMPACTS

Operating costs will be determined during the design phase.

Project	**Hale Creek Enhancement Pilot Study**
Program	Water Resources Stewardship - Environmental Enhancements
Project No.	26164001
District Contact	Ngoc Nguyen NNguyen@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 500-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.

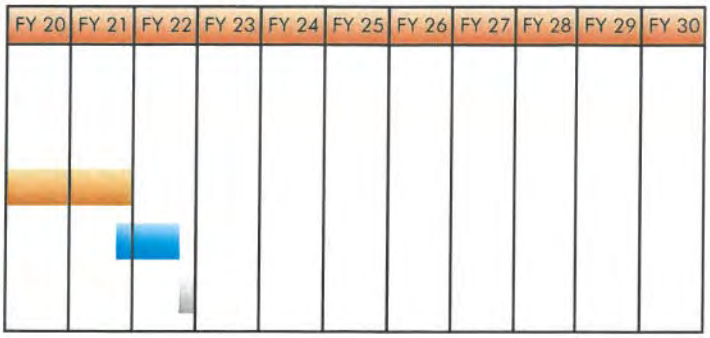
This project meets the commitments of the voter approved Safe, Clean Water Program, Project D6. For a full description of the SCW benefits and KPI's, please visit www.valleywater.org.

PROJECT LOCATION

SCHEDULE & STATUS

July 2014 to June 2021

Phase	Cost
Plan	39
Permits	50
Design	2,064
Construct	6,453
Closeout	10
	8,618



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY19	FY20	FY21	FY22	FY23	FY24	FY25	Future	
26164001-Hale Creek Enhancement Pilot Study	1,289	864	2,772	3,693	0	0	0	0	8,618
with inflation	1,289	864	2,871	3,968	0	0	0	0	8,991

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY19	FY20		FY21	FY22	FY23	FY24	FY25	Future	
26164001-Hale Creek Enhancement Pilot Study	4,831	21	2,699	172	3,968	0	0	0	0	8,991

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Safe, Clean Water Fund	8,991
Other Funding Sources	0
Total	**8,991**

OPERATING COST IMPACTS

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

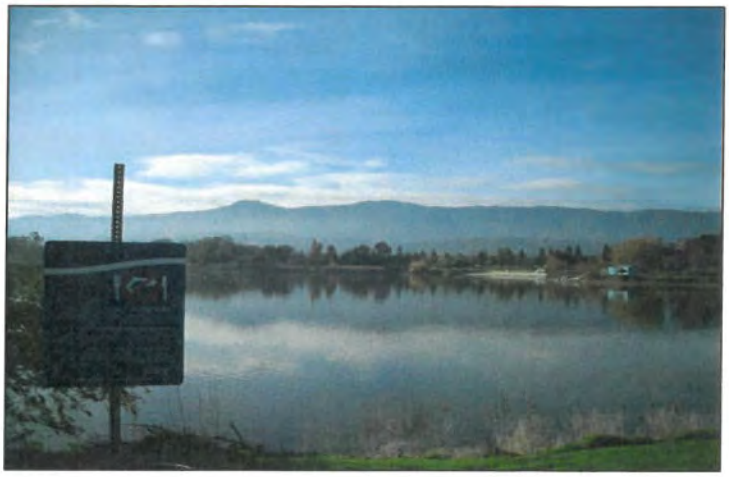
USEFUL LIFE:

Not available

Environmental Enhancement & Stewardship

Guadalupe Watershed

Project	**Almaden Lake Improvements**
Program	Water Resources Stewardship – Environmental Enhancement
Project No.	26044001
District Contact	Ngoc Nguyen NNguyen@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.

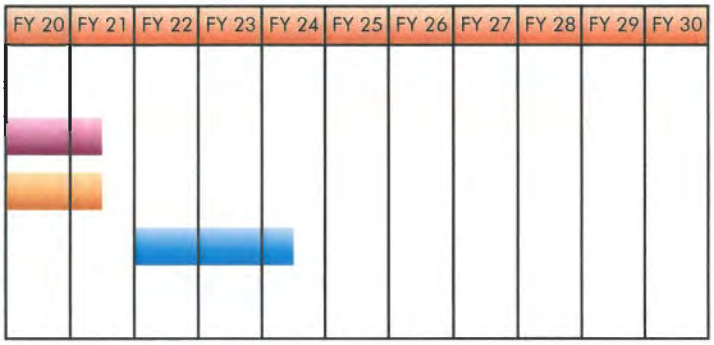
This project is funded for the planning and design phase from the Safe, Clean Water, Priority D4. Funding for construction may also be available from the Safe, Clean Water Program. For a full description of the SCW benefits and KPI's, please visit www.valleywater.org.

PROJECT LOCATION

SCHEDULE & STATUS

July 2011 to December 2023

Phase	Cost
Plan	2,376
Permits	747
Design	2,580
Construct	23,942
Closeout	-
	29,870



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures						Total
Project	FY19	FY20	FY21	FY22	FY23	FY24	FY25	Future	
26044001-Almaden Lake Improvements	3,914	1,792	8,564	7,800	7,800	0	0	0	29,870
with inflation	3,914	1,792	8,833	8,275	8,523	0	0	0	31,337

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY19	FY20		FY21	FY22	FY23	FY24	FY25	Future	
26044001-Almaden Lake Improvements	4,554	1,153	.1	8,832	8,275	8,523	0	0	0	31,337

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Safe,Clean Water Fund	31,337
Other Funding Sources	0
Total	**31,337**

OPERATING COST IMPACTS

No operating cost impacts are expected from the completion of the planning and design phases of the project.

USEFUL LIFE: 100 Years

Environmental Enhancement & Stewardship

Coyote Watershed

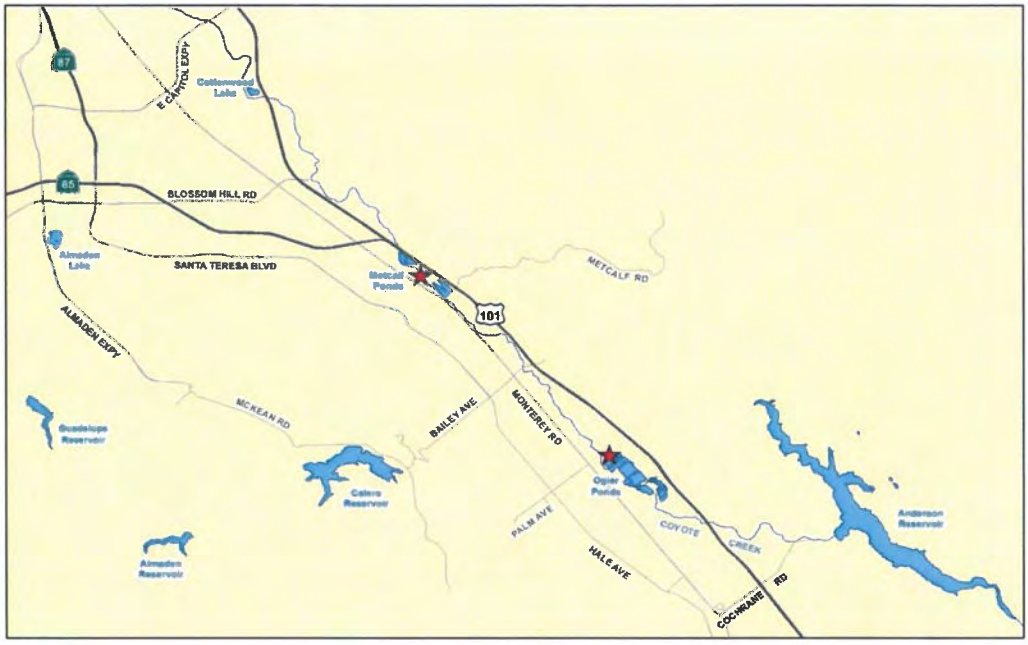
Project	**Watershed Habitat Enhancements Design & Construction**
Program	Water Resources Stewardship
Project No.	00C40400s
District Contact	Ngoc Nguyen NNguyen@valleywater.org

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 FAHCE settlement. This project accomplishes the following objectives:

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

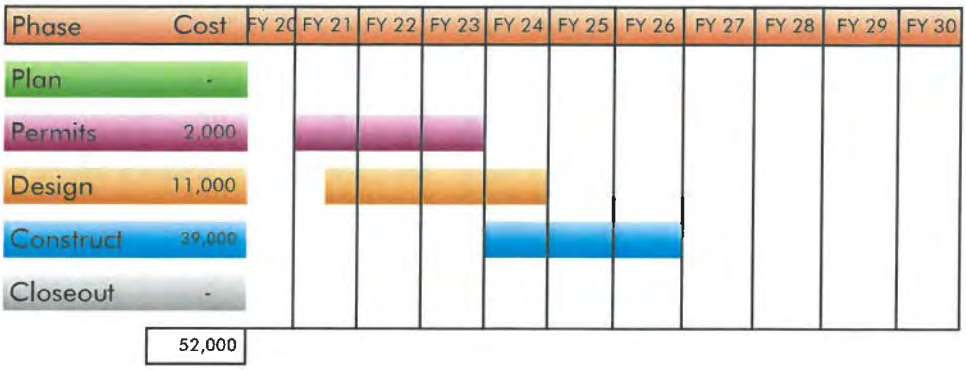
PROJECT LOCATION



★ Project Location

SCHEDULE & STATUS

July 2020 to June 2026



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY19	FY20	FY21	FY22	FY23	FY24	FY25	Future	
95C40400 Project 1 Design & Construction (e.g. Metcalf Ponds)	0	0	2,000	2,000	2,000	10,000	10,000	0	26,000
with inflation	0	0	2,100	2,205	2,315	11,345	11,710	0	29,675
00C40401s Project 2 Construction (e.g. Ogier Ponds)	0	0	0	2,000	2,000	3,000	9,000	10,000	26,000
with inflation	0	0	0	2,205	2,315	3,647	10,550	12,074	30,791
TOTAL	**0**	**0**	**2,000**	**4,000**	**4,000**	**13,000**	**19,000**	**10,000**	**52,000**
with inflation	0	0	2,100	4,410	4,631	14,992	22,260	12,074	60,466

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budge	Est. Unspent	Planned Funding Requests						Total
Project	FY19	FY20		FY21	FY22	FY23	FY24	FY25	Future	
95C40400 Project 1 Design & Construction (e.g. Metcalf Ponds)	0	0	0	2,100	2,205	2,315	11,345	11,710	0	29,675
00C40401s Project 2 Construction (e.g. Ogier Ponds)	0	0	0	0	2,205	2,315	3,647	10,550	12,074	30,791
TOTAL	0	0	0	2,100	4,410	4,631	14,992	22,260	12,074	60,466

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	45,071
SCVWD Watershed and Stream Stewardship Fund	15,396
SCVWD Safe, Clean Water Fund	0
Total	**60,466**

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
District Contact	Vincent Gin VGin@valleywater.org

View of one of the former salt evaporation facilities near Alviso

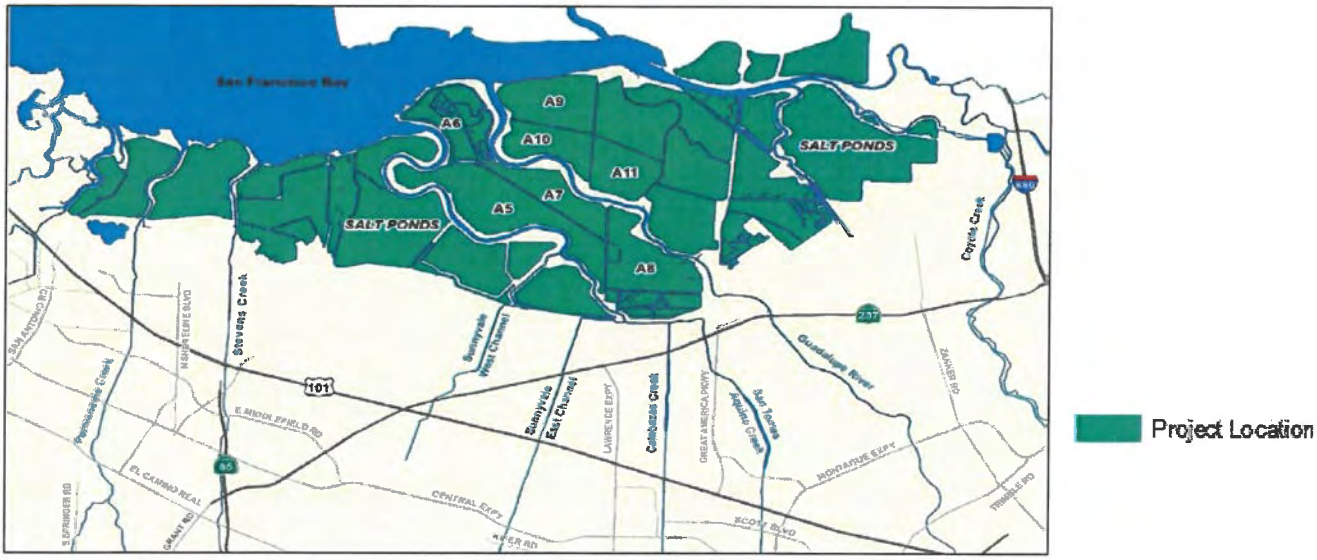
PROJECT DESCRIPTION

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 permiting 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, Project D8. For a full description of the SCW benefits and KPI's, please visit www.valleywater.org.

PROJECT LOCATION



SCHEDULE & STATUS

July 2013 to June 2024

Phase	Cost
Plan	1,231
Permits	220
Design	677
Construct	4,923
Closeout	5
	10,977

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY19	FY20	FY21	FY22	FY23	FY24	FY25	Future	
20444001 - Salt Ponds A5-11 Restoration	4,145	541	540	560	1,190	390	0	0	7,366
with inflation	4,145	541	567	617	1,313	456	0	0	7,639
26444003 - South Salt Ponds Restoration	279	13	11	12	12	12	1,636	1,636	3,611
with inflation	279	13	12	13	14	15	1,897	1,953	4,195
TOTAL	**4,424**	554	**551**	**572**	**1,202**	**402**	**1,636**	**1,636**	**10,977**
with inflation	**4,424**	554	**579**	631	**1,327**	**471**	**1,897**	**1,953**	11,834

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY19	FY20		FY21	FY22	FY23	FY24	FY25	Future	
20444001 - Salt Ponds A5-11 Restoration	5,082	0	396	171	617	1,313	456	0	0	7,639
26444003 - South Salt Ponds Restoration	548	0	256	0	0	0	0	1,897	1,953	4,398
TOTAL	**5,082**	0	**652**	**171**	**617**	**1,313**	**456**	**1,897**	**1,953**	**12,037**

Adjusted Budget includes adopted budget plus approved budget adjustments. Funding exceeds planned expenditures by approximately $203,000. Excess funding will be returned to reserves upon the end of the project.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed and Stream Stewardship Fund	7,639
SCVWD Safe, Clean Water Fund	4,398
Other Funding Sources	0
Total	**12,037**

OPERATING COST IMPACTS

The completion of this project is anticipated to decrease operating costs by approximately $4 million every three years, beginning in FY 2024, 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
District Contact	Ngoc Nguyen NNguyen@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 US Corp 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, Project D4. For a full description of the SCW benefits and KPI's, please visit www.valleywater.org.

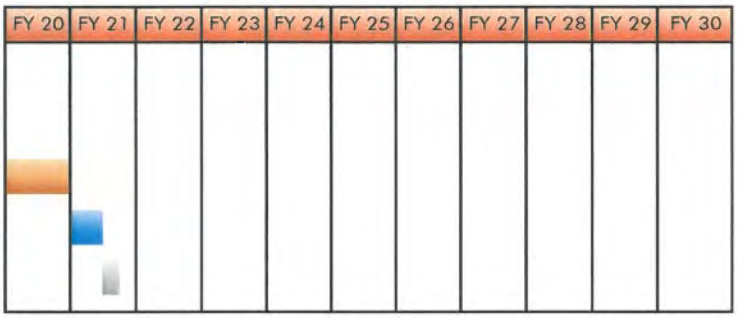
PROJECT LOCATION

★ Project Location

SCHEDULE & STATUS

July 2015 to March 2019

Phase	Cost
Plan	227
Permits	265
Design	1,799
Construct	5,954
Closeout	50
	8,328



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures						Total
Project	FY19	FY20	FY21	FY22	FY23	FY24	FY25	Future	
26044002-SCW Fish Passage Improvements (D4.3; Bolsa, Evelyn, Singleton)	2,814	2,514	3,000	0	0	0	0	0	8,328
with inflation	2,814	2,514	3,098	0	0	0	0	0	8,426

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY19	FY20		FY21	FY22	FY23	FY24	FY25	Future	
26044002-SCW Fish Passage Improvements (D4.3; Bolsa, Evelyn, Singleton)	4,280	1,048	0	3,098	0	0	0	0	0	8,426

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

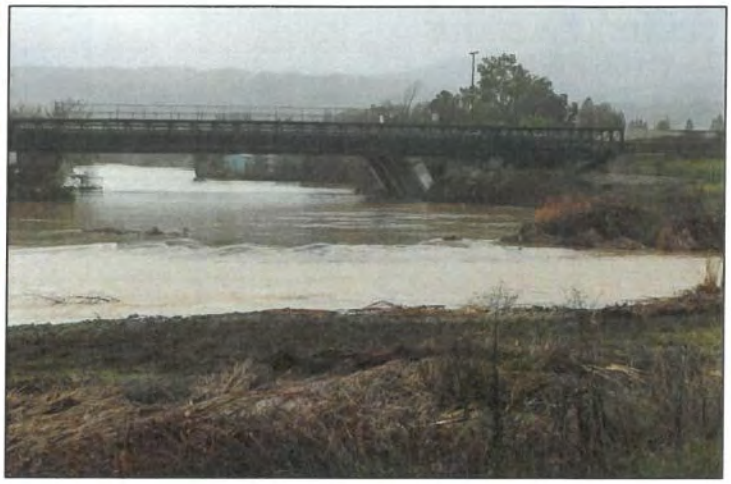
SCVWD Safe, Clean Water Fund	8,426
Other Funding Sources	0
Total	**8,426**

OPERATING COST IMPACTS

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

USEFUL LIFE: 50 Years

Project	**SCW Implementation Fund**
Program	Water Resources Stewardship
Project No.	26C40370
District Contact	Ngoc Nguyen NNguyen@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 Safe Clean Water (SCW) objectives for Priority D like construction of Almaden Lake Improvements. 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 shown here 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	-
Design	-
Construct	3,529
Closeout	-
	3,529

FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures						Total
Project	FY19	FY20	FY21	FY22	FY23	FY24	FY25	Future	
26C40370-SCW Implementation Fund	0	0	0	2,127	1,184	218	0	0	3,529
with inflation	0	0	0	2,127	1,184	218	0	0	3,529

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY19	FY20		FY21	FY22	FY23	FY24	FY25	Future	
26C40370-SCW Implementation Fund	0	0	0	0	2,127	1,184	218	0	0	3,529

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Safe, Clean Water Fund	3,529
Total	3,529

OPERATING COST IMPACTS

Not Available

USEFUL LIFE:

Not Available

Project	**SCW Ogier Ponds Separation from Coyote Creek (Planning & Design)**
Program	Water Resources Stewardship
Project No.	26044003
District Contact	Vincent Gin VGin@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.

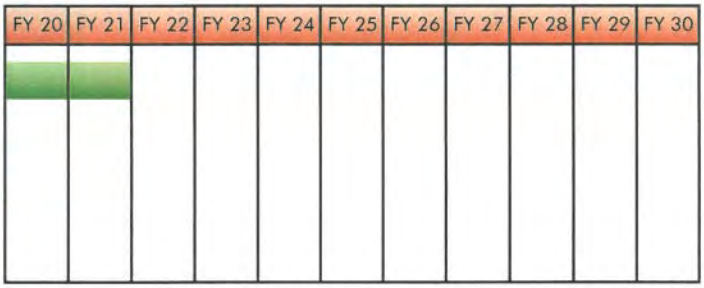
This project was approved by the voters in the Safe, Clean Water Program as Project D4 (planning & design phase). For a full description of the SCW benefits and KPI's, please visit www.valleywater.org/SCW.

PROJECT LOCATION

SCHEDULE & STATUS

October 2018 through June 2020

Phase	Cost
Plan	2,908
Design	-
Construct	-
Closeout	-
	2,910



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures						Total
Project	FY19	FY20	FY21	FY22	FY23	FY24	FY25	Future	
26044003-SCW Ogier Ponds Separation from Coyote Creek (Planning & Design)	347	1,095	1,468	0	0	0	0	0	2,910
with inflation	347	1,095	1,541	0	0	0	0	0	2,983

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY19	FY20		FY21	FY22	FY23	FY24	FY25	Future	
26044003-SCW Ogier Ponds Separation from Coyote Creek (Planning & Design)	1,000	598	156	1,385	0	0	0	0	0	2,983

Adjusted Budget includes adopted budget plus approved budget adjustments

FUNDING SOURCES

(in thousands $)

SCVWD Safe, Clean Water Fund	2,983
Other Funding Sources	0
Total	**2,983**

OPERATING COST IMPACTS

Not available. This project includes only the planning and designs phases.

USEFUL LIFE: Not Available

Feasibility Studies

Project	**Watershed Habitat Enhancements**
Program	Water Resources Stewardship
Project No.	62044001
District Contact	Vincent Gin VGin@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.

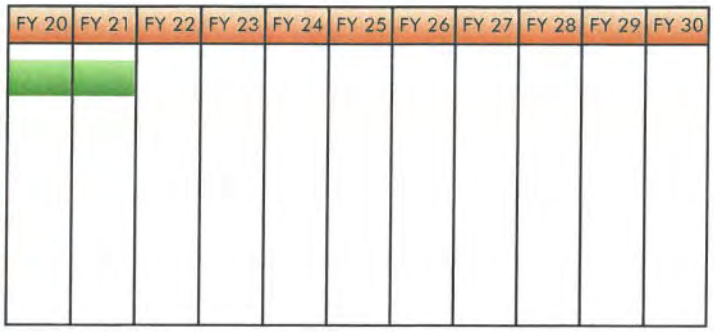
PROJECT LOCATION

Project Location

SCHEDULE & STATUS

April 2017 to June 2020

Phase	Cost
Plan	2,357
Permits	-
Design	15
Construct	-
Closeout	-
	3,565



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures						Total
Project	FY19	FY20	FY21	FY22	FY23	FY24	FY25	Future	
62044001-Watershed Habitat Enhancements	2,369	327	869	0	0	0	0	0	3,565
with inflation	2,369	327	912	0	0	0	0	0	3,608

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY19	FY20		FY21	FY22	FY23	FY24	FY25	Future	
62044001-Watershed Habitat Enhancements	2,372	324	0	912	0	0	0	0	0	3,608

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed & Stream Stewardship Fund	3,608
Other Funding Sources	0
Total	**3,608**

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
District Contact	Vincent Gin VGin@valleywater.org

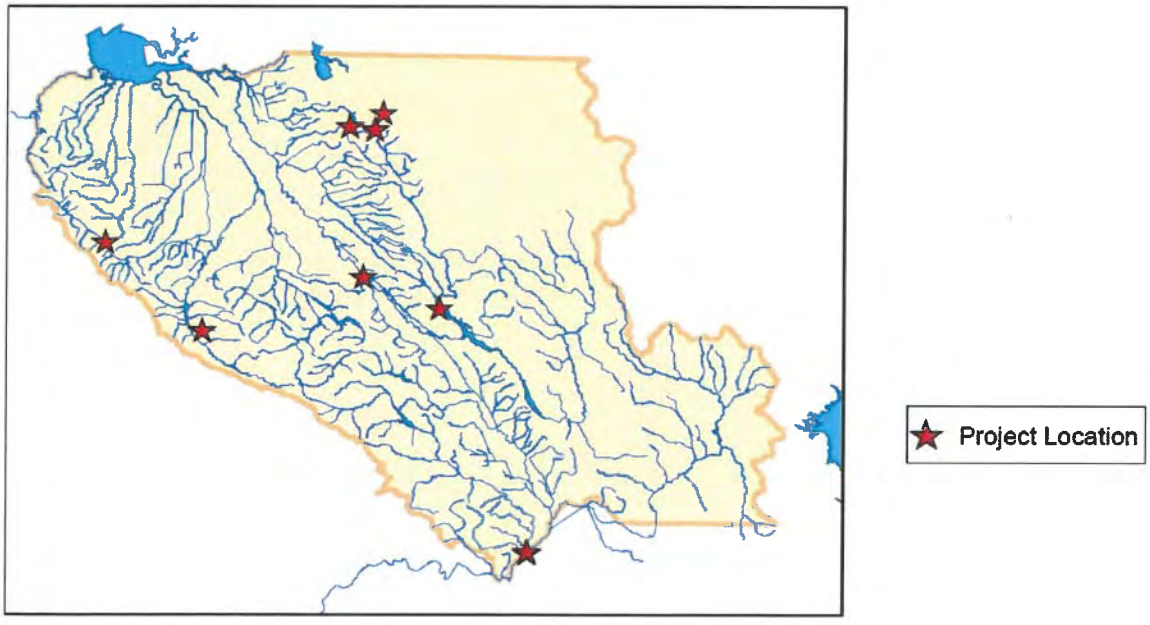
Creek-side settings such as this will be used for stream and watershed land preservation.

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 108 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.

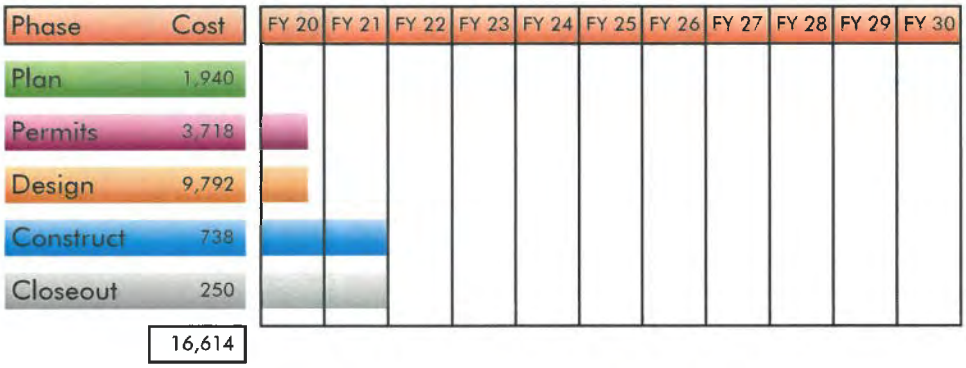
PROJECT LOCATION



SCHEDULE & STATUS

July 2004 to June 2020

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



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY19	FY20	FY21	FY22	FY23	FY24	FY25	Future	
62184001-SMP Mitigation Stream and Watershed Land Preservation	15,288	876	450	0	0	0	0	0	16,614
with inflation	15,288	876	471	0	0	0	0	0	16,635

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY19	FY20		FY21	FY22	FY23	FY24	FY25	Future	
62184001-SMP Mitigation Stream and Watershed Land Preservation	16,733	36	605	0	0	0	0	0	0	16,769

Adjusted Budget includes adopted budget plus approved budget adjustments. Funding exceeds planned expenditures by approximately $135,000. Excess funding will be returned to reserves upon the end 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 cost will vary, depending on the type of acquisition ownership and requirements for maintenance of each site. Routine long-term management costs of acquired properties are budgeted in project # 62181005.

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 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 will funding will be increased from $2 million per year to $3 million per year to meet the higher priority 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.

Building and Grounds Capital Improvements

The following table is a project funding schedule for buildings and grounds capital improvements resulting from this year's priority process and 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 2019-20.

Buildings and Grounds Capital Improvements ($K)

Project Number	PROJECT NAME	Through FY19	FY20	FY20 Unspent	FY21	FY22	FY23	FY24	FY25	FY26-35	TOTAL
60204016	Facility Management, Small Capital Improvements	n/a	2,063	-	3,000	3,000	3,000	3,000	3,000	15,000	32,063
60204032	Headquarters Operations Building	20	0	-	-	2,204	2,199	6,784	2,553	2,655	16,415
	TOTAL	20	2,063	-	3,000	5,204	5,199	9,784	5,553	17,655	48,478

FY 2019-20 Funds to be reappropriated

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

Buildings and Grounds - Funding Sources ($K)

Fund Number	FUND NAME	Through FY19	FY20	FY20 Unspent	FY21	FY22	FY23	FY24	FY25	FY26-35	TOTAL
11	General Fund	20	2,063	-	3,000	5,204	5,199	9,784	5,553	17,655	48,478
	TOTAL	20	2,063	-	3,000	5,204	5,199	9,784	5,553	17,655	48,478

FY 2019-20 Funds to be reappropriated

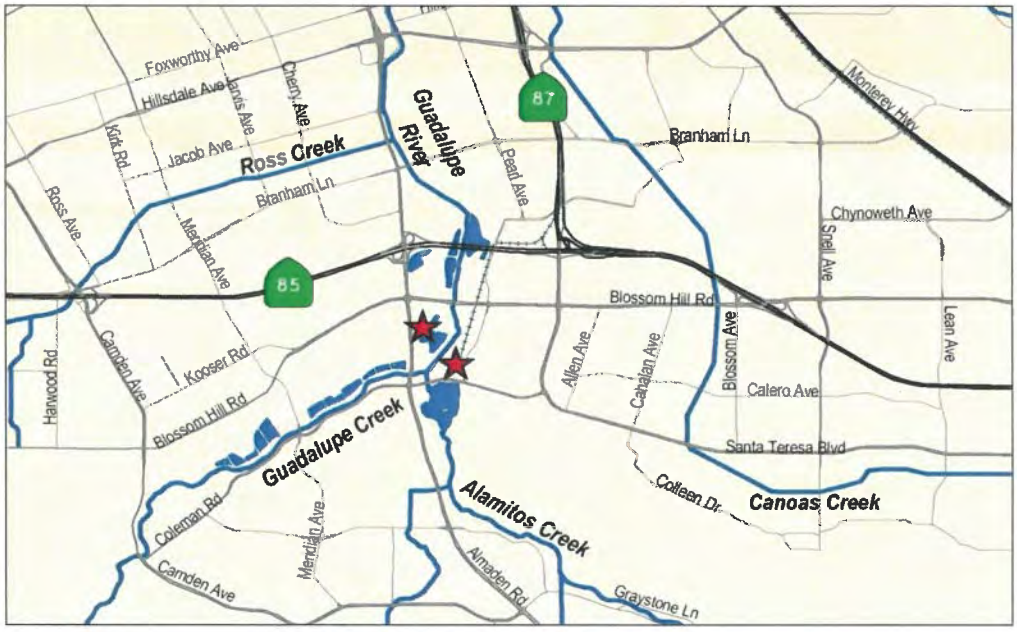
Project	Facility Management, Small Capital Improvements
Program	Buildings and Grounds
Project No.	60204016
District Contact	Roslyn Fuller RFuller@valleywater.org

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
Plan	n/a
Design	n/a
Construct	n/a
Closeout	n/a
	n/a

FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY19	FY20	FY21	FY22	FY23	FY24	FY25	Future	
60204016-Facility Management, Small Capital Improvements	n/a	2,063	3,000	3,000	3,000	3,000	3,000	15,000	32,063
with inflation	n/a	2,063	3,000	3,000	3,000	3,000	3,000	15,000	32,063

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY19	FY20		FY21	FY22	FY23	FY24	FY25	Future	
60204016-Facility Management, Small Capital Improvements	n/a	2,063	0	3,000	3,000	3,000	3,000	3,000	15,000	32,063

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	32,063
Other Funding Source	0
Total	**32,063**

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operating costs. The purpose of these maintenance projects is to avoid unnecessary financial impact caused by building shut-down and work stoppage.

USEFUL LIFE: Not Available

Project	**Headquarters Operations Building**
Program	Buildings and Grounds
Project No.	60204032
District Contact	Roslyn Fuller RFuller@valleywater.org

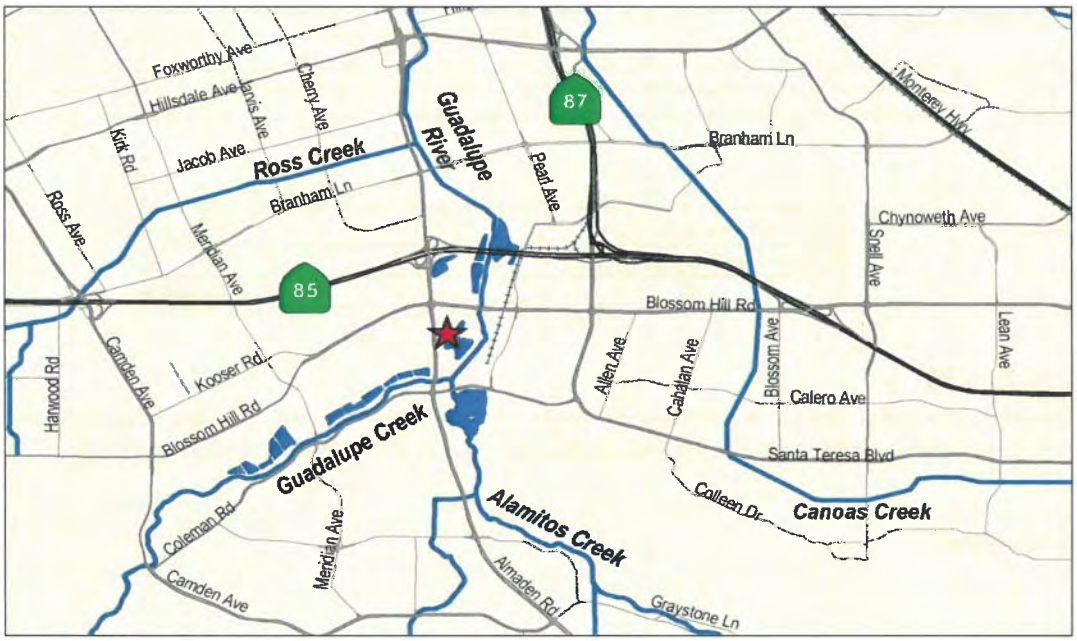
Existing Maintenance Building

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.

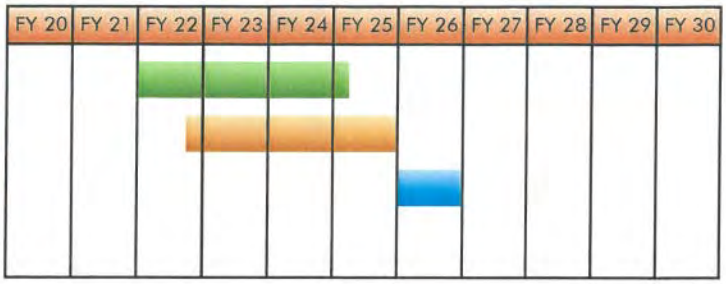
PROJECT LOCATION



SCHEDULE & STATUS

July 2014 to January 2027

Phase	Cost
Plan	1,976
Design	2,030
Construct	9,803
Closeout	50
	13,840



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY19	FY20	FY21	FY22	FY23	FY24	FY25	Future	
60204032-Headquarters Operations Building	19	0	0	2,000	1,900	5,940	2,000	2,000	13,859
with inflation	19	0	0	2,205	2,199	6,784	2,553	2,655	16,414

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY19	FY20		FY21	FY22	FY23	FY24	FY25	Future	
60204032-Headquarters Operations Building	20	0	1	0	2,204	2,199	6,784	2,553	2,655	16,414

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD General Fund	16,414
Other Funding Sources	0
Total	**16,414**

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 completed the Information Systems Master Plan (ISMP) in 2012. The ISMP is an 8-year plan consisting of 32 capital and non-capital improvement projects. The ISMP was extended and refreshed through the completion of the 2019 Information Technology Strategic Plan, which identified critical areas of concentration through 2024.

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
- Capital Construction Management System

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 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.
be met.

Information Technology Capital Improvements

The following table is a project funding schedule for information technology capital improvements resulting from this year's priority process and 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 2019-20.

Information Technology Capital Improvements ($K)

Project Number	PROJECT NAME	Through FY19	FY20	FY20 Unspent	FY21	FY22	FY23	FY24	FY25	FY26-35	TOTAL
73274009	Data Consolidation	1,023	60	-	75	77	-	-	-	-	1,235
73274001	IT Disaster Recovery	2,396	-	946	-	68	-	-	-	-	2,464
73274002	ERP System Implementation	14,608	-	3,361	2,257	250	263	-	-	-	17,378
73274008	Software Upgrades & Enhancements	2,403	781	-	872	397	2,190	1,388	459	8,581	17,071
73274012	Telephone System Voiceover IP	-	1,116	-	132	-	-	-	-	-	1,248
73274011	E-Discovery Management System	545	16	-	-	-	-	-	-	-	561
95074039	Capital Construction Mgmt System	-	977	877	156	110	-	-	-	-	1,243
95274003	WTP-WQL Network Equipment	2,723	185	-	-	94	1,475	2,985	854	3,747	12,063
	TOTAL	23,698	3,135	5,184	3,492	996	3,928	4,373	1,313	12,328	53,263

FY 2019-20 Funds to be reappropriated

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

Information Technology - Funding Sources ($K)

Fund Number	FUND NAME	Through FY19	FY20	FY20 Unspent	FY21	FY22	FY23	FY24	FY25	FY26-35	TOTAL
61	Water Utility Enterprise Fund	2,723	1,162	877	156	204	1,475	2,985	854	3,747	13,306
73	Information Technology Fund	20,975	1,973	4,307	3,336	792	2,453	1,388	459	8,581	39,957
	TOTAL	23,698	3,135	5,184	3,492	996	3,928	4,373	1,313	12,328	53,263

FY 2019-20 Funds to be reappropriated

Project	**Data Consolidation**
Program	Information Technology
Project No.	73274009
District Contact	Mike Cook MCook@valleywater.org

No Photo is provided for this project.

PROJECT DESCRIPTION

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

- Implement an Enterprise Content Management 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.

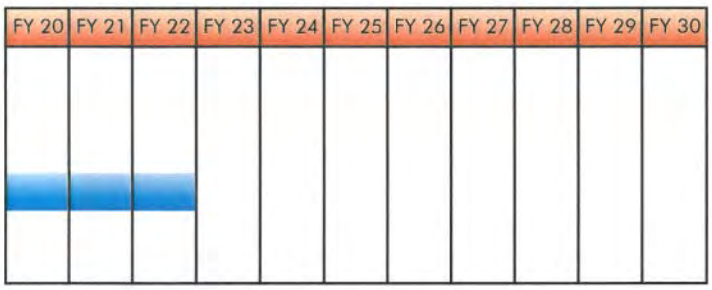
PROJECT LOCATION

No Map is provided for this project

SCHEDULE & STATUS

July 2015 to June 2022

Phase	Cost
Plan	-
Design	-
Construct	1,129
Closeout	-
	1,229



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY19	FY20	FY21	FY22	FY23	FY24	FY25	Future	
73274009-Data Consolidation	121	962	73	73	0	0	0	0	1,229
with inflation	121	962	75	77	0	0	0	0	1,236

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY19	FY20		FY21	FY22	FY23	FY24	FY25	Future	
73274009-Data Consolidation	1,023	60	0	75	77	0	0	0	0	1,236

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Information Technology Fund	1,236
Other Funding Sources	0
Total	**1,236**

OPERATING COST IMPACTS

There are several projects that will be deployed using ECM. ECM implementation will start with the Community Projects Review Unit (CPRU) as the pilot project followed by Records and Library and potentially other business units. Ongoing annual costs will need to be determined and be based on selected ECM solution.

USEFUL LIFE: Not Available

Project	**Information Technology Disaster Recovery**
Program	Information Technology
Project No.	73274001
District Contact	Michael Cook MCook@valleywater.org

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

PROJECT DESCRIPTION

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

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

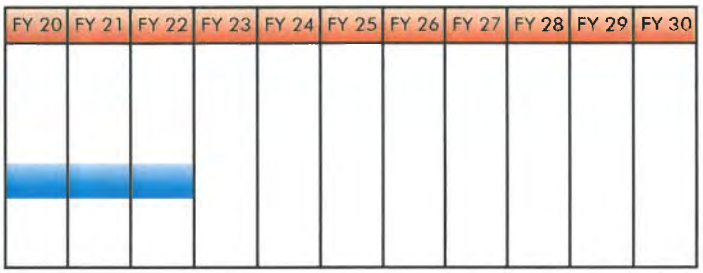
PROJECT LOCATION

No Map is provided for this project

SCHEDULE & STATUS

July 2014 to June 2022

Phase	Cost
Plan	14
Design	12
Construct	1,780
Closeout	-
	2,428



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY19	FY20	FY21	FY22	FY23	FY24	FY25	Future	
73274001-Information Technology Disaster Recovery	671	779	778	200	0	0	0	0	2,428
with inflation	671	779	801	212	0	0	0	0	2,464

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY19	FY20		FY21	FY22	FY23	FY24	FY25	Future	
73274001-Information Technology Disaster Recovery	2,396	0	946	0	68	0	0	0	0	2,464

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Information Technology Fund	2,464
Other Funding Sources	0
Total	**2,464**

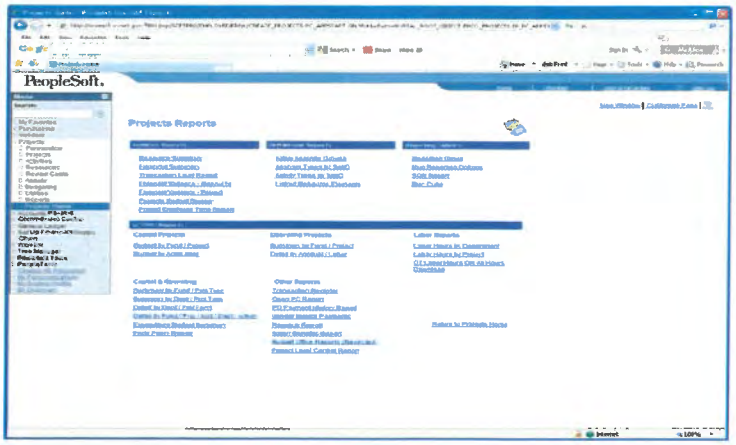
OPERATING COST IMPACTS

Ongoing annual costs will need to be determined and be based on implemented solutions.

USEFUL LIFE:

Not Available

Project	**ERP System Implementation**
Program	Information Technology
Project No.	73274002
District Contact	Michael Cook MCook@valleywater.org



PeopleSoft Reports page from Valley Water's intranet

PROJECT DESCRIPTION

This project selects and implements a new cloud-based, integrated, proven and state-of-the-art ERP system to replace the current out-of-date ERP (PeopleSoft) 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 productivity by eliminating redundancy and manual processes for work-arounds for current PeopleSoft system.
- 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.

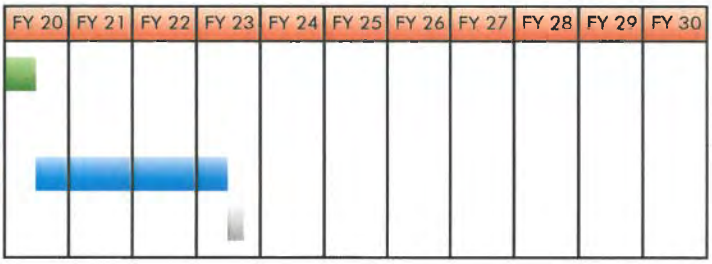
PROJECT LOCATION

★ Project Location

SCHEDULE & STATUS

July 2013 to March 2021

Phase	Cost
Plan	-
Design	-
Construct	15,464
Closeout	100
	18,298



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY19	FY20	FY21	FY22	FY23	FY24	FY25	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	4,172	7,075	5,398	227	227	0	0	0	17,099
with inflation	4,172	7,075	5,618	250	263	0	0	0	17,378
TOTAL	5,371	7,075	5,398	227	227	0	0	0	18,298
with inflation	5,371	7,075	5,618	250	263	0	0	0	18,577

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY19	FY20		FY21	FY22	FY23	FY24	FY25	Future	
60274062-ERP System Implementation	1,199	0	0	0	0	0	0	0	0	1,199
73274002-ERP System Implementation	14,608	0	3,361	2,257	250	263	0	0	0	17,378
TOTAL	15,807	0	3,361	2,257	250	263	0	0	0	18,577

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD General Fund	1,199
SCVWD Information Technology Fund	17,378
Total	**18,577**

OPERATING COST IMPACTS

Upon completion of this project, one full-time employee will be needed in Software Services Unit for expanded technical support of new system modules and features and to continue with operational refinements, enhancements, integrations, report development, etc. on an on-going annual basis.

USEFUL LIFE: 5 Years

Project	**Software Upgrades & Enhancements**
Program	Information Technology
Project No.	73274008
District Contact	Michael Cook MCook@valleywater.org

Existing Valley Water systems to be upgraded and enahanced

PROJECT DESCRIPTION

This project provides upgrade and enhancement services to existing District systems, including ERP, GIS, Maximo, Oracle Development system, internal and external District 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.

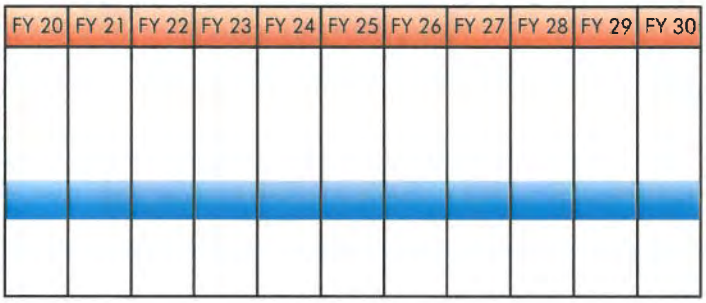
PROJECT LOCATION

No Map is provided for this project

SCHEDULE & STATUS

July 2015 to June 2032

Phase	Cost
Plan	325
Design	221
Construct	12,058
Closeout	-
	13,534



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY19	FY20	FY21	FY22	FY23	FY24	FY25	Future	
73274008-Software Upgrades & Enhancements	1,574	1,610	830	360	1,892	1,142	360	5,766	13,534
with inflation	1,574	1,610	872	397	2,190	1,388	459	8,581	17,071

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY19	FY20		FY21	FY22	FY23	FY24	FY25	Future	
73274008-Software Upgrades & Enhancements	2,403	781	0	872	397	2,190	1,388	459	8,581	17,071

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Information Technology Fund	17,071
Other Funding Sources	0
Total	**17,071**

OPERATING COST IMPACTS

Software upgrade schedule costs are dependent on vendor's product roadmap and District resources. 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
District Contact	Michael Cook MCook@valleywater.org

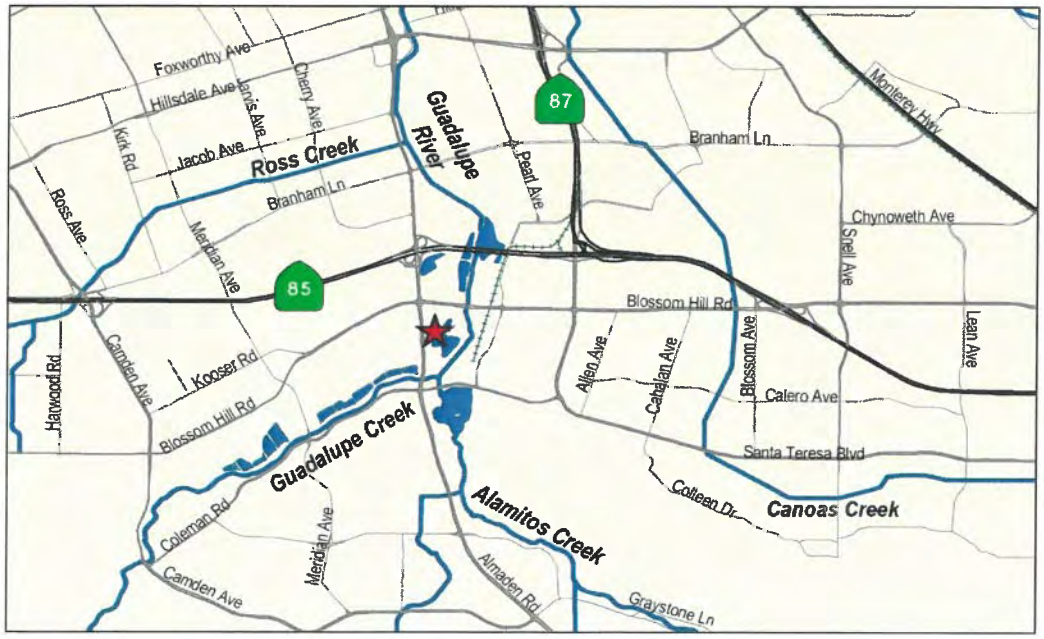
The current Avaya Telephone System was first installed in the Administration Building in 1986

PROJECT DESCRIPTION

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

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

PROJECT LOCATION

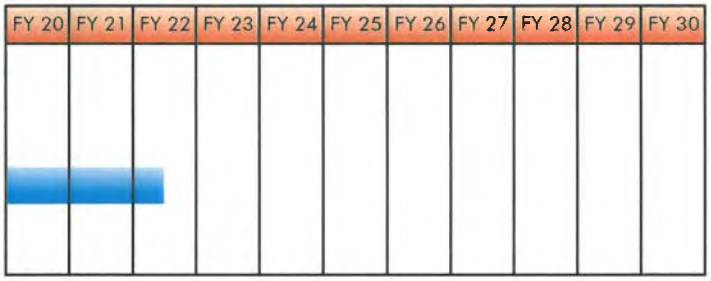


★ Project Location

SCHEDULE & STATUS

July 2019 to June 2024

Phase	Cost
Plan	-
Design	-
Construct	1,084
Closeout	100
	1,184



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures						Total
Project	FY19	FY20	FY21	FY22	FY23	FY24	FY25	Future	
95074039-Capital Construction Management System	0	100	984	100	0	0	0	0	1,184
with inflation	0	100	1,033	110	0	0	0	0	1,243

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY19	FY20		FY21	FY22	FY23	FY24	FY25	Future	
95074039-Capital Construction Management System	0	977	877	156	110	0	0	0	0	1,243

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	1,243
Other Funding Sources	0
Total	**1,243**

OPERATING COST IMPACTS

N/A

USEFUL LIFE: N/A

Project	**E-Discovery Management System**
Program	Information Technology
Project No.	73274011
District Contact	Michael Cook MCook@valleywater.org

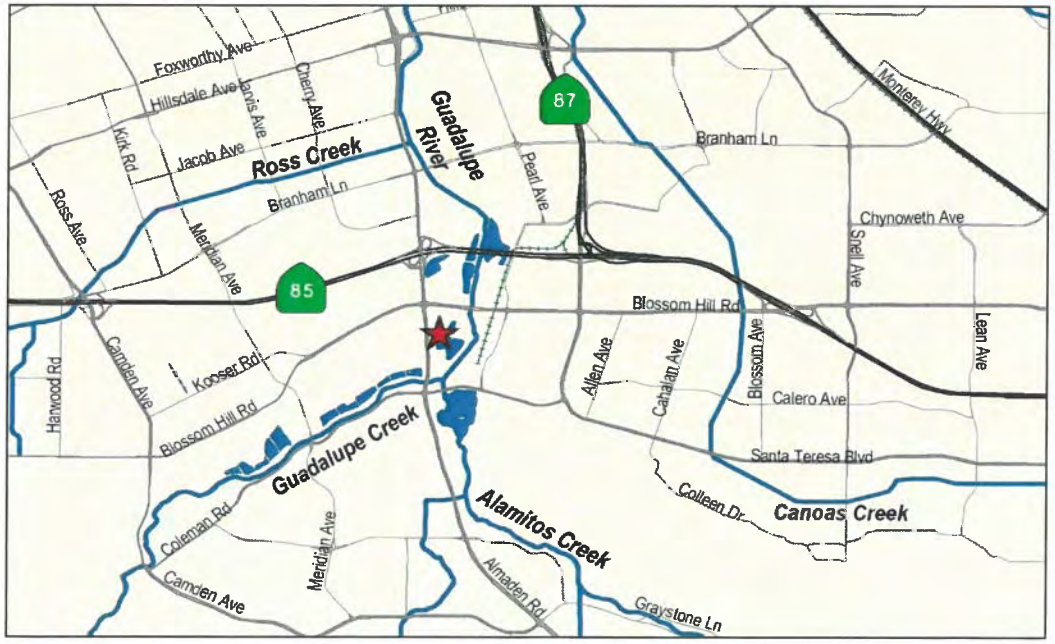
Screenshot of the SCVWD Public Records web page

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 Act (CPRA) requests, and other government investigations.

PROJECT LOCATION

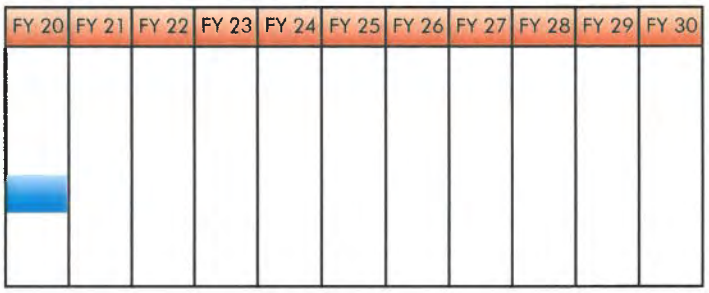


★ Project Location

SCHEDULE & STATUS

April 2017 to June 2020

Phase	Cost
Plan	-
Design	-
Construct	54
Closeout	-
	561



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures						Total
Project	FY19	FY20	FY21	FY22	FY23	FY24	FY25	Future	
73274011-E-Discovery Management System	507	54	0	0	0	0	0	0	561
with inflation	507	54	0	0	0	0	0	0	561

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY19	FY20		FY21	FY22	FY23	FY24	FY25	Future	
73274011-E-Discovery Management System	545	16	0	0	0	0	0	0	0	561

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Information Technology Fund	561
Other Funding Sources	0
Total	**561**

OPERATING COST IMPACTS

Operation cost impacts will be provided after completion of the planning phase.

USEFUL LIFE:

Not available

Project	**Capital Construction Management System**
Program	Water Supply - Treatment
Project No.	95074039
District Contact	Nina Hawk NHawk@valleywater.org

PROJECT DESCRIPTION

This project selects and implements a new capital project management software to accomplish the following objectives for large capital projects:

- Tracking of overall project performance
- Management of entire project lifecycle: planning, design, construction, operations
- Improve decision-making by evaluating real-time data
- Establish centralized document management and control.

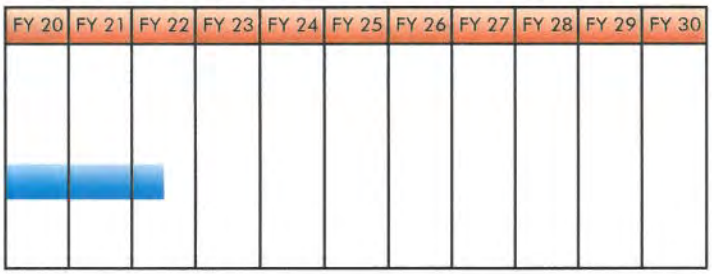
PROJECT LOCATION

No Map is provided for this project

SCHEDULE & STATUS

July 2019 to June 2024

Phase	Cost
Plan	-
Design	-
Construct	1,084
Closeout	100
	1,184



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY19	FY20	FY21	FY22	FY23	FY24	FY25	Future	
95074039-Capital Construction Management System	0	100	984	100	0	0	0	0	1,184
with inflation	0	100	1,033	110	0	0	0	0	1,243

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY19	FY20		FY21	FY22	FY23	FY24	FY25	Future	
95074039-Capital Construction Management System	0	977	877	156	110	0	0	0	0	1,243

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

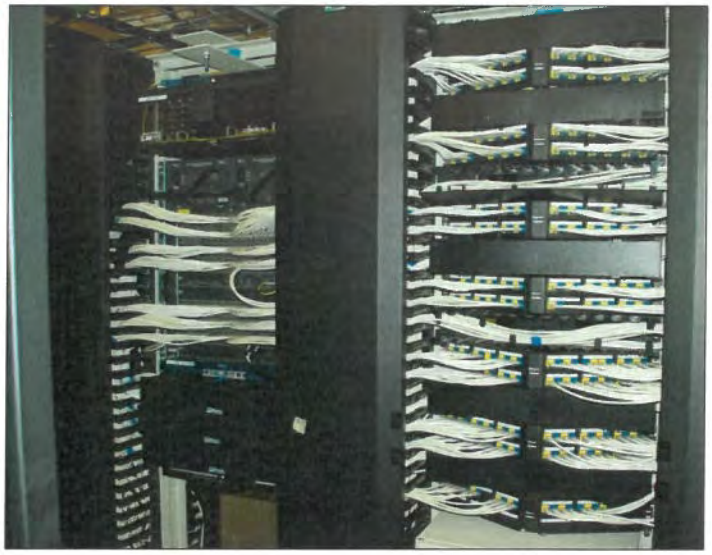
SCVWD Water Utility Enterprise Fund	1,243
Other Funding Sources	0
Total	**1,243**

OPERATING COST IMPACTS

N/A

USEFUL LIFE: N/A

Project	**WTP-WQL Network Equipment**
Program	Information Technology
Project No.	95274003
District 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:

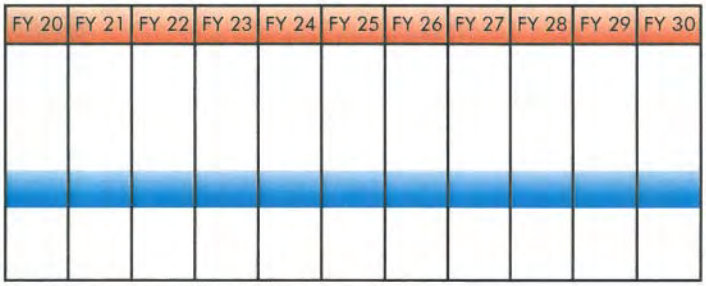
- Deliver greater access speeds.
- Restore vendor maintenance.
- Improve software application performance.
- Provide a path to meet future data communications needs.

PROJECT LOCATION

SCHEDULE & STATUS

July 2014 to June 2032

Phase	Cost
Plan	-
Design	-
Construct	9,045
Closeout	-
	9,916



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY19	FY20	FY21	FY22	FY23	FY24	FY25	Future	
95274003-WTP-WQL Network Equipment	1,337	1,571	0	85	1,274	2,456	669	2,524	9,916
with inflation	1,337	1,571	0	94	1,475	2,985	854	3,747	12,063

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY19	FY20		FY21	FY22	FY23	FY24	FY25	Future	
95274003-WTP-WQL Network Equipment	2,723	185	0	0	94	1,475	2,985	854	3,747	12,063

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	12,063
Other Funding Sources	0
Total	**12,063**

OPERATING COST IMPACTS

Upon completion of this project operating costs are anticipated to increase by $37,000 beginning in FY 2033 with an increase of 3% each year after that to pay for hardware maintenance agreements.

USEFUL LIFE: 10 Years

Financial Planning

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 W-5. 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 2012, voters overwhelmingly approved the Safe, Clean Water and Natural Flood Protection Program (Safe, Clean Water Program), which began July 1, 2013 and is set to sunset on June 30, 2028. This program replaced the Clean, Safe Creeks and Natural Flood Protection Plan that would was set to sunset in 2016. The Safe, Clean Water Program has an expanded focus that includes funding for important Water Utility projects as well as additional funding for Flood Protection and Water Resources Stewardship projects. The Safe, Clean Water Program will provide over $750 million of special parcel tax revenue for operations and capital projects.

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	FY18 Actual	FY19 Adopted	FY20	FY21	FY22	FY23	FY24	FY25	FY26	FY27	FY28	FY29
Water Utility Enterprise	286,001	282,097	320,917	361,241	380,388	412,211	551,761	576,871	610,505	662,147	705,718	586,476
Watershed Stream Stewardship	120,856	94,459	97,168	114,710	101,443	125,474	111,011	112,331	110,672	114,793	118,783	123,474
Safe, Clean Water and Natural Flood Protection	57,574	60,116	61,413	62,240	60,883	54,985	52,098	53,670	55,070	56,313	57,938	-
Benefit Assessment	14,778	14,778	13,445	13,456	13,454	13,444	13,443	6,850	6,855	6,852	6,855	6,856
General	8,205	8,375	8,568	8,878	9,199	9,533	9,880	10,240	10,614	11,003	11,407	11,827
Internal Service	829	348	660	566	535	554	574	595	616	638	661	685
TOTAL	488,243	460,172	502,172	561,090	565,903	616,202	738,767	760,557	794,331	851,746	901,362	729,318

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

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 and 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 the operation 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.

Operation 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 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 rate 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 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 governmental entity in the state of California, which helps keep interest costs borne by Valley Water at a minimum.

Relationship between the Operating Budget and CIP

Whenever Valley Water commits to capital improvements, there is a potential for associated long-range commitment 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	FY19	FY20	FY21	FY22	FY23	FY24
General Fund	474	476	474	473	472	472
Benefit Assessment Fund	12,211	11,153	11,094	11,090	11,086	11,087
Safe, Clean Water and Natural Flood Protection Fund	1,129	3,102	3,169	4,566	4,566	4,579
Water Utility Enterprise Fund	41,881	43,117	47,593	56,354	72,922	87,998
Information Technology Fund	-	-	-	-	-	-
TOTAL	55,696	57,847	62,329	72,484	89,045	104,136

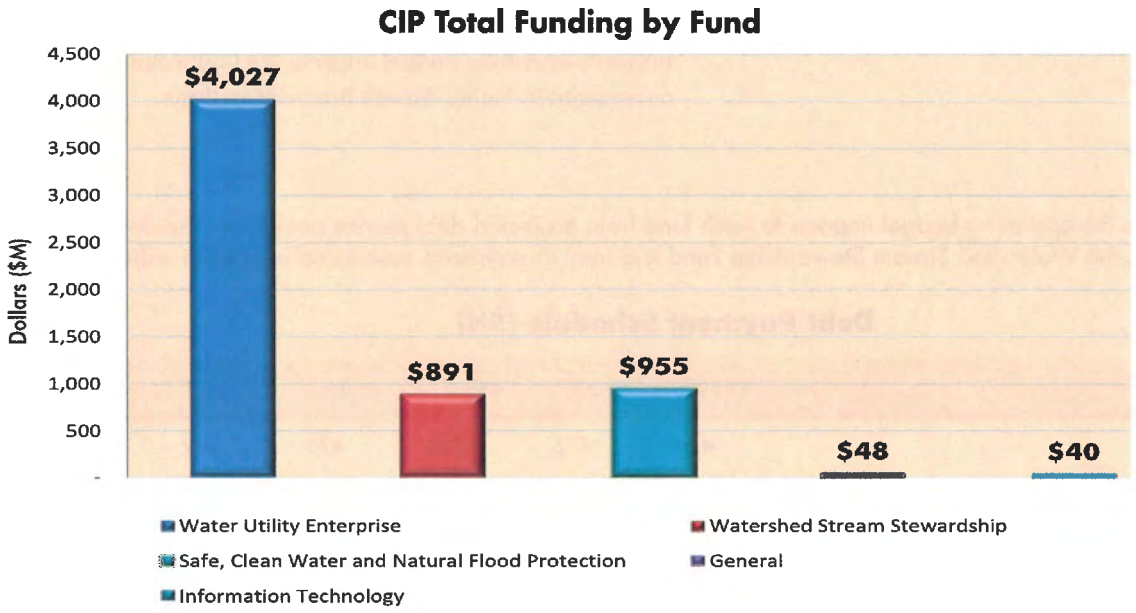
This chart identifies the net operating budget impacts to each fund resulting from annual maintenance and/or operating cost for newly completed capital projects. Additional information regarding operating impacts related to individual projects can be found on the project pages.

Estimated Operating Impacts ($K)

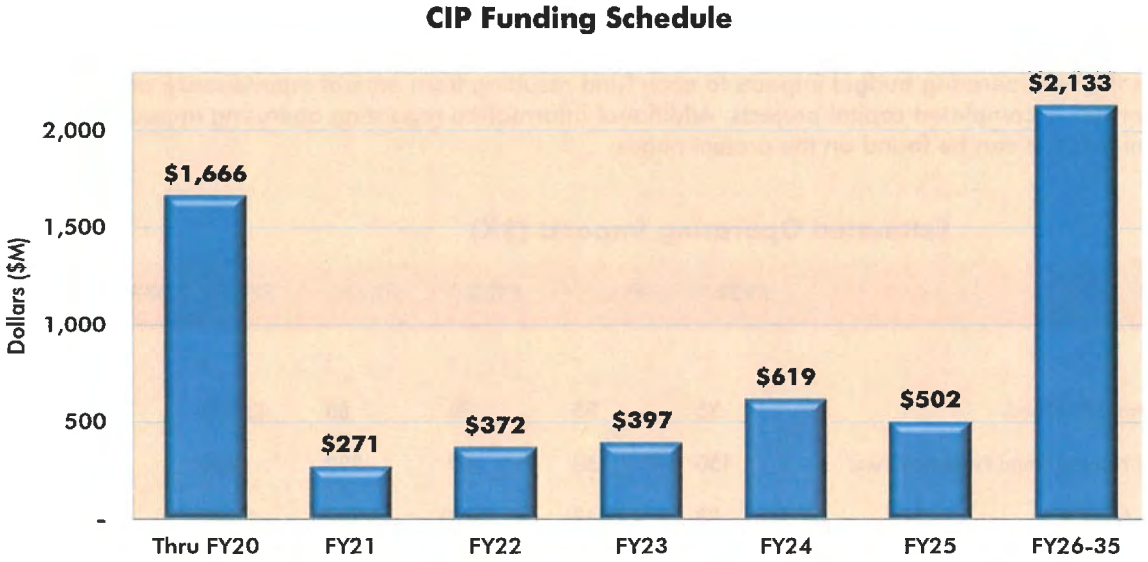
Fund	FY20	FY21	FY22	FY23	FY24	BEYOND
General Fund	-	-	-	-	-	-
Watershed Stream Stewardship Fund	35	35	80	80	(3,920)	80
Safe, Clean Water and Natural Flood Protection Fund	150	150	150	290	290	870
Water Utility Enterprise Fund	33	(167)	(167)	1,303	1,243	1,278
Information Technology Fund	164	169	174	179	185	190
TOTAL	382	187	237	1,852	(2,202)	2,418

CIP FUNDING SUMMARY

Of the $5.961 billion in total Valley Water funding for current and future projects, the Board appropriated $1.666 billion in prior years through June 30, 2020 (the end of Fiscal Year 2019-20). This year's CIP process identified additional funding needs of $4.295 billion to complete the projects in the CIP, with $271 million allocated in Fiscal Year 2020-21 and a total of $4.024 billion proposed for future years.



The needed $5.961 billion to implement the 67 projects as defined in the CIP are funded by four of the District's seven Funds.



The following chart shows the funding schedule for the $5.961 billion to implement the 67 projects.

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

PROJECT NAME	Through FY19	FY20	FY20 Unspent	FY21	FY22	FY23	FY24	FY25	FY26-35	TOTAL
Almaden Dam Improvements	15,104	-	346	-	-	48	122	130	52,043	67,447
Anderson Dam Seismic Retrofit (C1)	50,061	17,919	-	4,518	2,755	58,596	53,433	53,919	334,491	575,692
Calero and Guadalupe Dams Seismic Retrofits	32,068	1,197	1,293	2,280	14,677	25,287	24,962	6,392	153,735	260,598
Coyote Pumping Plant ASD Replacement	1,234	1,027	324	2,431	5,932	4,136	648	83	-	15,491
Coyote Warehouse	6,878	2,482	21	131	72	69	-	-	-	9,632
Dam Seismic Stability Evaluation	21,605	631	-	426	5,513	463	486	447	879	30,450
Small Capital Improvements, San Felipe Reach 1-3	n/a	7,432	-	1,977	2,739	109	163	2,390	28,505	43,315
Pacheco Reservoir Expansion Project	17,260	42,056	295	42,255	32,179	24,568	243,084	232,878	711,070	1,345,350
10-Year Pipeline Rehabilitation (FY18-FY27)	37,854	26,064	-	14,911	5,297	4,813	5,788	6,533	10,300	111,560
Almaden Valley Pipeline Replacement Project	-	-	-	668	873	1,328	2,625	2,025	82,158	89,677
Distribution Systems Implementation Project	-	-	-	2,540	2,682	2,828	-	-	-	8,050
FAHCE Implementation	-	-	-	4,739	4,379	14,691	14,690	15,858	90,751	145,108
Pacheco/Santa Clara Conduit Right of Way Acquisition	3,627	-	397	915	308	-	-	-	-	4,850
SCADA Implementation Project	-	-	-	1,869	1,962	2,892	-	-	-	6,723
Small Capital Improvements, Raw Water Transmission	n/a	1,215	-	82	68	19	407	2,089	4,719	8,599
Small Capital Improvements, Treated Water Transmission	n/a	178	-	-	37	42	32	128	259	676
Treated Water Isolation Valves	529	742	-	83	2,161	2,237	2,315	68	-	8,135
Westside Retailer Interties	147	-	69	-	360	1,376	117	-	-	2,000
Vasona Pump Station Upgrade	1,380	525	-	1,419	19,894	463	85	-	-	23,766
PWTP Residuals Management	-	-	-	683	1,433	7,627	-	-	-	9,743
RWTP Residuals Remediation	43,573	2,632	7,304	13,408	1,797	2,555	675	-	-	64,640
RWTP Reliability Improvement	197,597	14,566	4,991	35,844	37,126	26,649	15,987	128	-	327,897
RWTP Treated Water Valves Upgrade	8,603	21	148	-	5	-	-	-	-	8,629
Small Capital Improvements, Water Treatment	n/a	11,353	-	3,444	3,412	1,269	5,732	3,392	27,229	55,831
STWTP Filter Media Replacement Project	-	203	-	1,134	2,173	5,081	1,793	-	-	10,384
Water Treatment Plant Electrical Improvement Project	-	203	-	1,288	2,495	5,860	2,056	-	-	11,902
WTP Implementation Project	-	-	-	1,575	2,756	4,052	-	-	-	8,383
Expedited Purified Water Program (EPWP)	23,869	2,480	2,639	7,060	10,459	9,246	89,405	88,380	413,167	644,066
Land Rights - South County Recycled Water PL	-	-	-	585	3,462	3,564	-	-	-	7,611
South County Recycled Water Pipeline	36,557	-	7,902	9,318	11,239	-	-	-	-	57,114
FAHCE Stevens Creek Fish Passage Enhancement - 90%	765	-	-	1,586	2,868	-	-	-	-	5,219
Project 1 Design & Construction (e.g. Metcalf Ponds)	-	-	-	2,100	2,205	2,315	11,345	11,710	-	29,675

FY 2019-20 Funds to be reappropriated

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

PROJECT NAME	Through FY19	FY20	FY20 Unspent	FY21	FY22	FY23	FY24	FY25	FY26-35	TOTAL
Project 2 Construction (e.g. Ogier Ponds)	-	-	-	-	1,102	1,157	1,823	5,275	6,037	15,394
Capital Construction Mgmt System	-	977	877	156	110	-	-	-	-	1,243
WTP-WQL Network Equipment	2,723	185	-	-	94	1,475	2,985	854	3,747	12,063
TOTAL	501,434	134,088	26,606	159,425	184,624	214,815	480,758	432,679	1,919,090	4,026,913

FY 2019-20 Funds to be reappropriated

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

PROJECT NAME	Through FY19	FY20	FY20 Unspent	FY21	FY22	FY23	FY24	FY25	FY26-35	TOTAL
Palo Alto Flood Basin Tide Gate Structure Improvements	2,474	1,918	1,512	82	5,379	9,627	7,350	5,935	-	32,765
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
Canoas Creek, Rodent Damage Repair	7,307	-	420	-	-	-	-	-	-	7,307
Guadalupe River Tasman Dr - I-880	90	1,000	9	3,296	2,380	29,689	29,795	29,968	-	96,218
Berryessa Ck, Lower Penitencia Ck to Calaveras Blvd Phs 1	50,191	-	3,362	-	-	-	-	-	-	50,191
Berryessa Ck, Lower Penitencia Ck to Calaveras Blvd Phs 2	75,875	-	1,541	45	923	162	-	-	-	77,005
Berryessa Ck, Lower Penitencia Ck to Calaveras Blvd Phs 3	-	-	-	-	-	-	-	-	71,236	71,236
Cunningham Flood Detention Certification	11,251	555	30	2	33	-	-	-	-	11,841
Lower Penitencia Ck Improvements, Berryessa to Coyote Cks.	16,297	8,989	7,827	954	606	637	328	-	-	27,811
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)	96,266	740	-	167	55	58	-	-	-	97,286
Lower Silver Creek, I-680 to Cunningham, Reimbursable (Reach 4-6)	2,912	-	765	-	-	-	-	-	-	2,912
Upper Penitencia Ck, Coyote Ck-Dorel Dr, Corps	8,970	507	-	-	-	-	-	-	-	9,477
Upper Penitencia Ck, Coyote Ck-Dorel Dr, LERRDs	2,315	-	-	-	-	-	-	-	-	2,315
Llagas Creek–Lower, Capacity Restoration, Buena Vista Road to Pajaro River	6,947	-	2,809	-	-	3,404	3,401	-	-	13,752
San Francisco Bay Shoreline	16,788	33,432	-	14,398	28,574	1,820	34,551	128	133	129,824
San Francisco Bay Shoreline - Contribution	490	-	-	-	-	-	-	-	-	490
Shoreline Early Implementation	359	-	-	-	-	-	-	-	-	359
Watersheds Asset Rehabilitation Program	24,455	11,481	-	11,423	8,679	8,984	9,301	9,630	93,085	177,038
SMP Mitigation, Stream and Watershed Land Preservation	16,733	36	605	-	-	-	-	-	-	16,769
FAHCE Stevens Creek Fish Passage Enhancement - 10%	85	-	-	176	319	-	-	-	-	580
Project 2 Construction (e.g. Ogier Ponds)	-	-	-	-	1,103	1,158	1,824	5,275	6,037	15,397
Salt Ponds A5-11 Restoration	5,082	-	396	171	617	1,313	456	-	-	7,639
Watershed Habitat Enhancement Studies	2,372	324	-	912	-	-	-	-	-	3,608
TOTAL	372,849	58,982	19,454	31,941	52,088	60,388	90,601	53,805	170,491	891,145

FY 2019-20 Funds to be reappropriated

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

PROJECT NAME	Through FY19	FY20	FY20 Unspent	FY21	FY22	FY23	FY24	FY25	FY26-35	TOTAL
IRP2 Additional Line Valves (A3)	1,090	399	58	2,480	4,674	2,419	-	89	-	11,151
Main & Madrone Pipelines Restoration (A1)	17,236	334	-	-	-	-	-	-	-	17,570
Permanente Creek, SF Bay to Foothill Expressway	81,789	7,560	305	-	-	-	-	-	-	89,349
San Francisquito Creek, SF Bay thru Searsville Dam (E5)	6,782	-	-	-	-	-	-	-	-	6,782
San Francisquito Creek - Construction, SF Bay to Middlefield Road (E5)	47,486	2,805	783	4,315	21,121	-	-	-	-	75,727
Sunnyvale East and West Channels	30,997	4,441	15,413	2,032	17,829	14,650	486	-	-	70,435
Guadalupe Rv–Upper, Fish Passage Mods	2,651	-	-	-	-	-	-	-	-	2,651
Guadalupe Rv–Upper, I-280 to SPRR (R6)	34,619	139	-	945	2,022	35	-	-	-	37,760
Guadalupe Rv–Upper, SPRR-Blossom Hill (R7-12)	89,399	-	23,174	-	11,523	18,056	2,309	-	-	121,287
Guadalupe Rv–Upper, Actuals chg to other proj numbers	7,887	-	-	-	-	-	-	-	-	7,887
Berryessa Ck, Calaveras-I-680 - Corps	35,566	-	23	27	-	-	-	-	-	35,593
Berryessa Ck, Calaveras-I-680 - Reimbursable	18,986	1	-	-	-	-	-	-	-	18,987
Coyote Creek, Montague Expressway to Tully Road	14,000	941	1,013	2,403	6,984	21,186	19,117	1,691	-	66,322
Upper Penitencia Ck, Coyote Ck-Dorel Dr, Corps (E4)	1,910	1,305	1,261	1,381	2,774	232	2,201	1,711	13,485	24,999
Llagas Creek–Upper, Reimbursable (E6b)	43,057	1,983	-	-	-	-	-	-	-	45,040
Llagas Creek–Upper, Corps Coordination (E6a)	40,895	10,171	-	46,713	48,091	47,278	11,816	3,277	332	208,573
Llagas Creek–Upper, Technical Studies	1,446	-	-	-	-	-	-	-	-	1,446
Llagas Creek–Upper, Design	27,932	261	5,418	-	-	-	-	479	1,261	29,933
San Francisco Bay Shoreline - EIA 11 Design & Partial Construction (E7)	14,516	3,000	-	-	-	-	-	-	-	17,516
San Francisco Bay Shoreline - Other EIAs Planning (E7)	3,757	-	944	-	348	579	608	638	133	6,063
Hale Creek Enhancement Pilot Study (D6)	4,832	21	2,699	172	3,968	-	-	-	-	8,993
Almaden Lake Improvements (D4.1a)	4,554	1,153	-	8,832	8,275	8,523	-	-	-	31,337
South Bay Salt Ponds Restoration (D8)	548	-	254	-	-	-	-	1,897	1,953	4,398
SCW Fish Passage Improvements (D4.3; Bolsa, Evelyn, Singleton)	4,280	1,048	-	3,098	-	-	-	-	-	8,426
Ogier Ponds Separation from Coyote Creek (D4.1b)	1,000	598	156	1,385	-	-	-	-	-	2,983
TOTAL	537,215	36,160	51,501	73,783	129,736	114,142	36,755	9,782	17,164	954,737

FY 2019-20 Funds to be reappropriated

Project Funding Schedule for General Fund ($K)

PROJECT NAME	Through FY19	FY20	FY20 Unspent	FY21	FY22	FY23	FY24	FY25	FY26-35	TOTAL
Facility Management, Small Capital Improvements	n/a	2,063	-	3,000	3,000	3,000	3,000	3,000	15,000	32,063
Headquarters Operations Building	20	-	-	-	2,204	2,199	6,784	2,553	2,655	16,415
TOTAL	20	2,063	-	3,000	5,204	5,199	9,784	5,553	17,655	48,478

FY 2019-20 Funds to be reappropriated

Project Funding Schedule for Information Technology Fund ($K)

PROJECT NAME	Through FY19	FY20	FY20 Unspent	FY21	FY22	FY23	FY24	FY25	FY26-35	TOTAL
Data Consolidation	1,023	60	-	75	77	-	-	-	-	1,235
IT Disaster Recovery	2,396	-	946	-	68	-	-	-	-	2,464
ERP System Implementation	14,608	-	3,361	2,257	250	263	-	-	-	17,378
Software Upgrades & Enhancements	2,403	781	-	872	397	2,190	1,388	459	8,581	17,071
Telephone System Voiceover IP	-	1,116	-	132	-	-	-	-	-	1,248
E-Discovery Management System	545	16	-	-	-	-	-	-	-	561
TOTAL	20,975	1,973	4,307	3,336	792	2,453	1,388	459	8,581	39,957

FY 2019-20 Funds to be reappropriated

CIP Funding Schedule Summary for All Funds ($K)

FUND NAME	Through FY19	FY20	FY20 Unspent	FY21	FY22	FY23	FY24	FY25	FY26-35	TOTAL
Water Utility Enterprise	501,434	134,088	26,606	159,425	184,624	214,815	480,758	432,679	1,919,090	4,026,913
Watershed Stream Stewardship	372,849	58,982	19,454	31,941	52,088	60,388	90,601	53,805	170,491	891,145
Safe, Clean Water and Natural Flood Protection	537,215	36,160	51,501	73,783	129,736	114,142	36,755	9,782	17,164	954,737
General	20	2,063	-	3,000	5,204	5,199	9,784	5,553	17,655	48,478
Information Technology	20,975	1,973	4,307	3,336	792	2,453	1,388	459	8,581	39,957
TOTAL	1,432,493	233,266	101,868	271,485	372,444	396,997	619,286	502,278	2,132,981	5,961,230

FY 2019-20 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 2021-35 Planned Capital Reimbursement Schedule

Project Number	Project Name	Agency	Claims On-hand (11/26/19)	Actuals Thru FY19	FY20	FY21	FY22	FY23	FY24	Future	Total
91214010	Small Capital Improvements, San Felipe - Rch 1	Total	0	2,168	339	1,258	414	357	24	6,070	10,630
		San Benito Water Dist		2,168	339	1,258	414	357	24	6,070	10,630
91954002	Pacheco Reservoir Expansion Project	Total	0	588	11,737	8,100	3,775	7,249	82,031	371,070	484,550
		California Water Commission		588	11,737	8,100	3,775	7,249	82,031	371,070	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	27,758	1,419					0	29,177
		City of San Jose	751	4,591						0	4,591
26174041s	Berryessa Ck, Calaveras Bvd to I-680	Total	2,708	7,292	6,266	826	0	0	0	0	14,384
		State Subventions		0	3,558	826				0	4,384
		DWR - Prop 1E	2,708	7,292	2,708					0	10,000
40174004	Berryessa Ck, Lwr Penitencia Ck - Calaveras Blvd.	Total	3,668	8,504	3,668	2,828	0	0	0	0	15,000
		DWR - Prop 1E	3,668	8,504	3,668	2,828				0	15,000
40264011	Cunningham Flood Detention Certification	Total	261	0	3,718	1,582	0	0	0	0	5,300
		DWR - Prop 1E	261	0	1,000					0	1,000
		NRCS			2,718	1,582				0	4,300
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	50,408	0	3,378	0	0	0	0	53,786
		State Subventions		8,009		731				0	8,740
		DWR - Prop 1E		21,353		2,647				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	0	1,000	0	0	0	0	1,120
		State Subventions		120		1,000				0	1,120
26174051s	Llagas Creek-Upr, Buena Vista to Wright	Total	6,065	23,044	3,415	9,180	6,331	579	0	0	42,549
		State Subventions	6,065	19,703	3,415	9,180	6,331	579		0	39,208
		City of Morgan Hill		3,341						0	3,341
26244001	Permanente Creek, SF Bay to Foothill Expway	Total		911	112	0	0	0	0	0	1,023
		Cities of Mountain View and Los Altos		911	112					0	1,023
10284007s	San Francisquito Creek, SF Bay - Searsville Dam	Total	960	4,520	960	0	0	0	0	0	5,480
		JPA Member Agencies		4,520						0	4,520
		JPA (Joint Powers Authority)	960	0	960					0	960
26444001	San Francisco Bay Shoreline	Total		1,656	2,172	2,172	0	0	0	0	6,000
		SFBRA Measure AA (Grant)		1,656	2,172	2,172					6,000
00044026	San Francisco Bay Shoreline	Total		277	18,075	10,784	10,507	10,508	6,146	0	56,297
		SFBRA Measure AA (Grant)		0	17,798	10,507	10,507	10,508	6,146		55,466
		SFBRA Measure AA (Ballot Reimbursement)		277	277	277					831
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		227	0	0	0	0	0	0	227
		City of Palo Alto		227						0	227
	SUBTOTAL - Reimbursements from Current Projects		15,356	162,087	53,889	43,108	21,027	18,693	88,201	377,140	741,667

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 FY19	FY20	FY21	FY22	FY23	FY23	Future	Total
91214001	Pacheco Conduit Inspection & Rehabilitation	Total	12	1,286	0	0	0	0	0	0	1,286
		San Benito Water Dist	12	1,500						0	1,500
91244001	Wolfe Road Recycled Water Pipeline	Total	0	12,201	0	0	0	0	0	0	12,201
		Apple Computer		4,800						0	4,800
		Cal Water		1,500						0	1,500
		City of Sunnyvale		2,101						0	2,101
		DWR - Prop 84		3,800						0	3,800
94384002	Penitencia Delivery Main Seismic Retrofit	Total	0	5,107	0	0	0	0	0	0	5,107
		Department of Water Resources (A3904)		5,107						0	5,107
92224001	Penitencia Force Main Seismic Retrofit	Total	0	3,884	19	0	0	0	0	0	3,903
		Department of Water Resources (A3904)		3,884	19					0	3,903
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
30154013a	Guadalupe River--DT, I-880 to I-280	Total	0	39,480	0	500	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	84,004	19	500	0	0	0	0	84,523
	TOTAL REIMBURSEMENTS		15,356	246,091	53,908	43,608	21,027	18,693	88,201	377,140	826,190

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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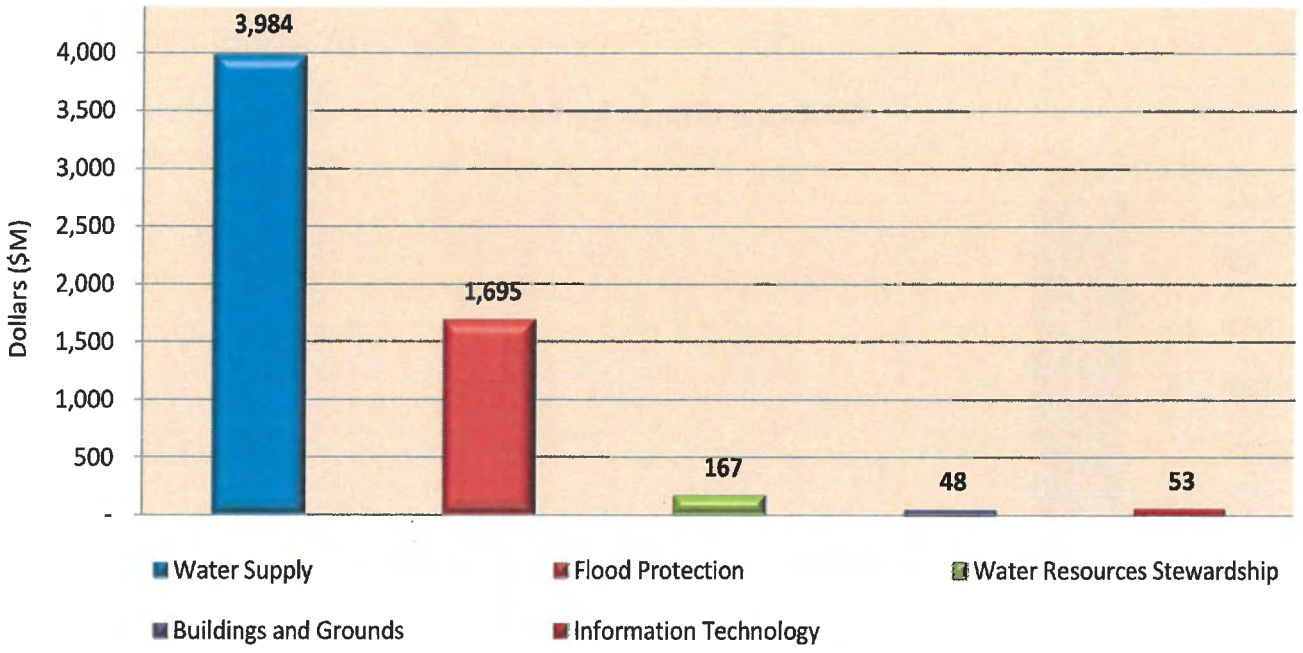
Appendix B - Summary of Capital Expenditures

Expenditure Schedule by Type of Improvement ($K)

	THRU FY19 (Actuals)	FY20	FY21	FY22	FY23	FY24	FY25	FY26	FY27	FY28	FY29	FY30	FY31-35	TOTAL
Water Supply	465,860	157,356	176,985	183,037	212,355	464,605	414,931	478,137	417,304	414,709	207,144	104,776	287,236	3,984,435
Flood Protection	711,526	165,171	129,436	174,391	158,073	122,539	54,446	18,663	16,727	37,741	32,705	33,649	40,180	1,695,247
Water Resources Stewardship	31,296	8,022	22,482	26,017	19,200	19,276	27,026	14,027	-	-	-	-	-	167,346
Buildings and Grounds	19	2,063	3,000	5,205	5,199	9,784	5,553	5,655	3,000	3,000	3,000	3,000	-	48,478
Information Technology	8,382	13,267	8,531	1,140	3,928	4,373	1,313	882	682	5,795	560	1,261	3,148	53,262
TOTAL	1,217,083	345,879	340,434	389,790	398,755	620,577	503,269	517,364	437,713	461,245	243,409	142,686	330,564	5,948,768

CIP Expenditures by Type of Improvement

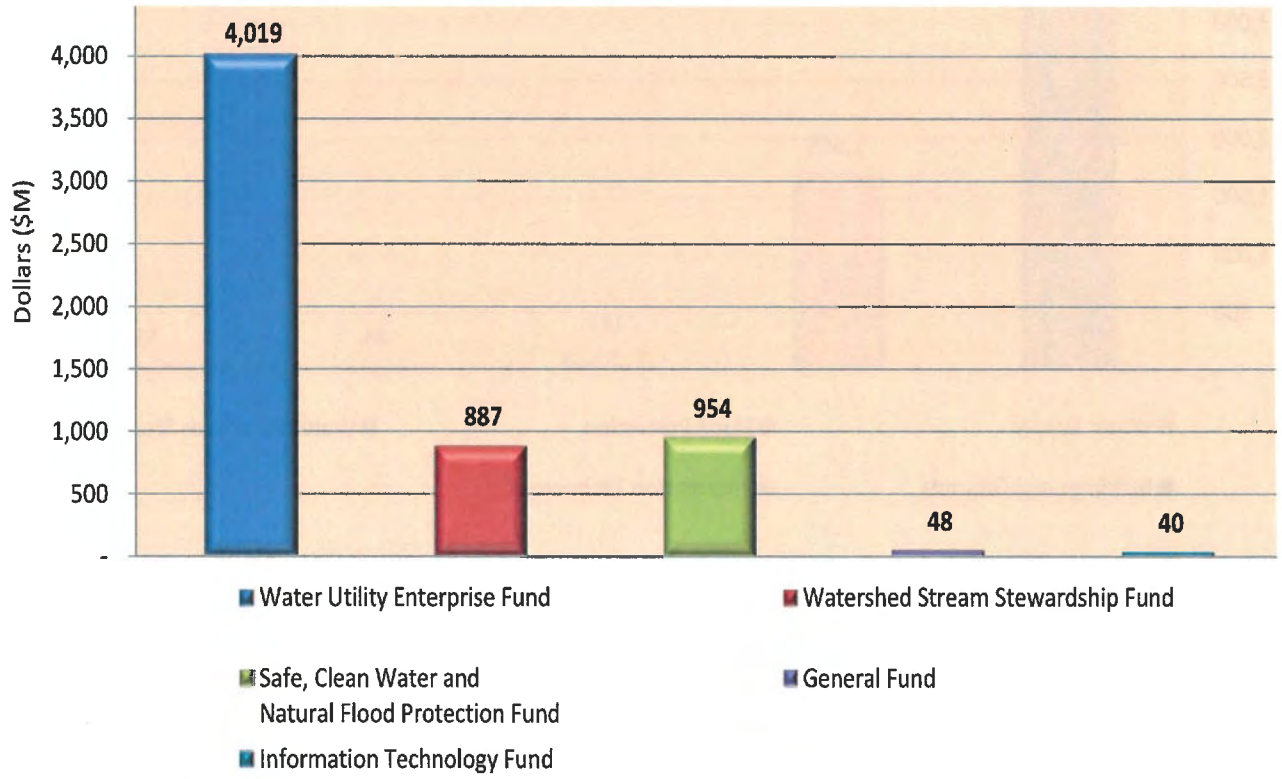


Appendix B - Summary of Capital Expenditures

Expenditure Schedule by Fund ($K)

	THRU FY19 (Actuals)	FY20	FY21	FY22	FY23	FY24	FY25	FY26	FY27	FY28	FY29	FY30	FY31-35	TOTAL
Water Utility Enterprise Fund	450,377	157,611	179,166	184,742	214,883	480,758	432,679	484,479	417,448	416,191	207,704	105,431	287,837	4,019,306
Watershed Stream Stewardship Fund	331,416	80,964	44,735	53,686	60,848	90,601	53,805	18,358	12,513	33,086	32,705	33,649	40,180	886,546
Safe, Clean Water and Natural Flood Protection Fund	428,226	93,645	106,035	145,221	115,372	38,046	10,773	8,295	4,214	4,655	-	-	-	954,482
General Fund	19	2,063	3,000	5,205	5,199	9,784	5,553	5,655	3,000	3,000	3,000	3,000	-	48,478
Information Technology	7,045	11,596	7,498	936	2,453	1,388	459	577	538	4,313	-	606	2,547	39,956
TOTAL	1,217,083	345,879	340,434	389,790	398,755	620,577	503,269	517,364	437,713	461,245	243,409	142,686	330,564	5,948,768

CIP Expenditures by Fund



Appendix C - Safe Clean Water Project Schedules

The following tabel is an overview schedule for safe, clean water capital projects identified in the FY 2020-24 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	FY00 - FY04	FY05 - FY09	FY10 - FY14	FY15 - FY19	FY20 - FY24	FY25 - FY29
	WATER SUPPLY						
91864005	Anderson Dam Seismic Retrofit (C1)						
26764001	IRP2 Additional Line Valves (A3)						
26564001	Main & Madrone Pipelines Restoration (A1)						
	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						
26154001	Guadalupe Rv–Upper, Fish Passage Mods						
26154002	Guadalupe Rv–Upper, I-280 to SPRR (R6)						
26154003	Guadalupe Rv–Upper, SPRR-Blossom Hill (R7-12)						
26204001	Los Gatos Creek Restoration & Flood Protection						
26174041	Berryessa Ck, Calaveras-I-680 - Corps						
26174042	Berryessa Ck, Calaveras-I-680 - Reimbursable						
26174043	Coyote Creek, Montague Expressway to Interstate 280						
26324001	Upper Penitencia Ck, Coyote Ck-Dorel Dr, Corps (E4)						
26174051	Llagas Creek–Upper, Reimbursable (E6b)						
26174052	Llagas Creek–Upper, Corps Coordination (E6a)						
26174053	Llagas Creek–Upper, Technical Studies						
26174054	Llagas Creek–Upper, Design						
00044026	San Francisco Bay Shoreline						
62044042	Shoreline Early Implementation						
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)						
26044002	SCW Fish Passage Improvements (D4.3; Bolsa Road)						
26044003	SCW Ogier Ponds Separation (D4.1b)						
26444003	South Bay Salt Ponds Restoration (D8)						

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.

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

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.

DPR Direct Potable Reuse

DWR State Department of Water Resources

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 though user charges; or (b) where the governing body has determined that periodic determination of revenues earned, expenses incurred, and/or net income is appropriate for capital maintenance, public policy, management control accountability, or other purposes.

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.

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.

MGD Million Gallons per Day

One-Percent Flood or 100-Year Flood

Has a 1% chance of occuring in a given year. Water District projects are usually designed for the 1% flood, a national standard established by the Federal Emergency Management Agency (FEMA).

Appendix D - Glossary

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 the Santa Clara Valley Water District, 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.

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

SCW

The Safe, Clean Water and Natural Flood Protection Program (Safe, Clean Water Program) is a countywide special parcel tax that was approved by voters on November 6, 2012 as a replacement to the Clean, Safe Creeks and Natural Flood Protection Plan. This Program combines the main operational areas of Valley Water in water supply, flood protection and stewardship, and represents an integrated approach to addressing community priorities. The 15-year Program became effective on July 1, 2013 and has a sunset date of June 30, 2028.

WTP Water Treatment Plant

WQL Water Quality Lab

Appendix D - Glossary

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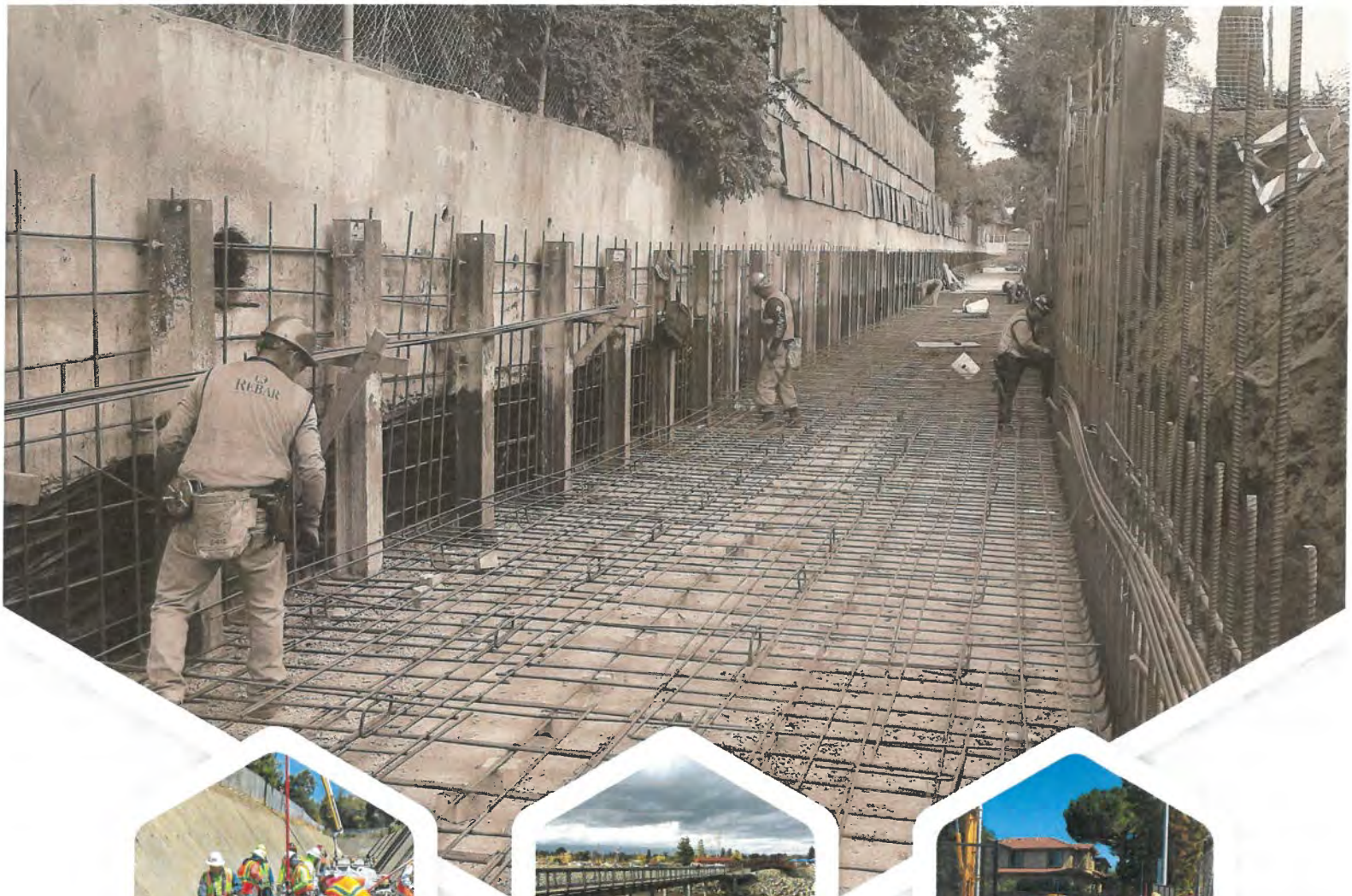

Valley Water

Clean Water • Healthy Environment • Flood Protection

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Santa Clara Valley Water District

File No.: 20-0247

Agenda Date: 2/25/2020
Item No.: *8.1.

BOARD AGENDA MEMORANDUM

SUBJECT:
Receive and Approve the Fiscal Year 2018-19 Year-End Closing Budget Adjustment and Fiscal Year 2019-20 Midyear Budget Adjustment.

RECOMMENDATION:
A. Approve the Fiscal Year 2018-19 year-end closing budget adjustment; and
*B. Approve the Fiscal Year 2019-20 midyear operating and capital budget adjustments as per Supplemental Attachments 1 and 2.

SUMMARY:
At the end of each fiscal year (FY), Valley Water conducts a reconciliation of budget reserve estimates with actual reserves. The result of this reconciliation is to implement the year-end closing budget adjustment. The year-end closing budget adjustments are submitted to the Board on an annual basis as part of the year-end closing process.

The projected year-end budget reserves are adjusted to reflect the FY 2018-19 actual reserves validated by the external audit process conducted by independent auditors Maze & Associates.

Concurrently, staff submits to the Board the FY 2019-20 Midyear adjustment to reflect impacts of prior year-end fiscal close and to recommend other budget adjustments in anticipation of necessary expenses not included at the time of adoption.

The FY 2018-19 year-end closing budget adjustments are presented in Attachment 1 summarized as follows:

1. Reduce capital project appropriation: There are no FY 2018-19 reductions in capital project appropriations.

2. Deferral of capital project budget to FY 2019-20: There are no capital project budget deferred from FY 2018-19 to FY 2019-20.

3. Update FY 2018-19 budget reserves: To reflect the audited reserves for FY 2018-19 resulting from final revenues, expenses, transfers and debt proceeds. These year-end reserves become the

beginning reserves for FY 2019-20. Therefore, this adjustment brings the FY 2019-20 reserves budget into alignment with the prior year-end results. The change to reserves total is $86.0 million. Attachment 1 shows the specific reserve adjustments.

The FY 2019-20 mid-year budget adjustments are presented in Attachments 2 & 3 and summarized as follows:

4. Recognize capital carryforward: Adjust various capital projects funding to reflect capital carry forward budget from FY 2018-19 unspent or unencumbered appropriation balances remaining at year -end which totals to $158.9 million.

5. Capital project budget adjustments: There are five budget adjustments for capital projects in various funds proposed in this report totaling $45,380,000. The report also includes decreases in various capital projects amounting to $45,000,000, with a net transfer impact of $380,000 from the Operating and Capital Reserve in the Watershed and Stream Stewardship Fund (12) to projects in the respective fund. Details are included in the Attachment 3 and are explained below.

Anderson Dam Seismic Retrofit Project *(91864005) - $8,700,000

A budget adjustment to increase the Anderson Dam Seismic Retrofit (ADSR) project FY20 budget by $8.7 million (from $11.6 million to $20.3 million) to address the timing of the expanded scope of the project. The expanded scope stems from the Federal Energy Regulatory Commission (FERC) determination that operation of Anderson Reservoir will need to be addressed as part of the environmental consultation and project approval as well as from the National Marine Fisheries Service determination that potential impacts related to operation of the dam after completion of the construction must also be considered. For the expanded scope, FERC, California Department of Water Resources Division of Safety of Dams, and the independent Board of Consultants have requested additional geotechnical investigations and analysis to design the spillway, in-reservoir stockpiles, outlet works, and embankment reconstruction to improve the overall constructability of the proposed project.

Additionally, the overlap between the ADSR Project in protecting water supply and public safety, and the Fish and Aquatic Habitat Collaborative Effort (FAHCE) in addressing the types of restoration measures necessary to avoid, minimize, and potentially mitigate impacts of continuing operations of Anderson Reservoir on Coyote Creek, Valley Water will have to evaluate applicable Coyote Creek FAHCE measures in the ADSR Project Environmental Impact Reports. To complete the expanded scope this year, the ADSR Project will need three budget adjustments: a) budget adjustment of $4,500,000 for a new Environmental Planning and Permitting Services Agreement with Horizon Water and Environment, LLC b) budget adjustment of $2,200,000 for Amendment No. 7 to the Agreement A3673A with URS Corporation for Design Services; and c) budget adjustment of $2,000,000 for Amendment No. 8 to the Agreement A3555A with Black and Veatch for Project Management Services. A corresponding decrease to the Pacheco Reservoir Expansion Project (91954002; $6,950,000), Calero Dam Seismic Retrofit Design and Construction Project (91874004; $1,250,000), and Almaden Dam Improvements Project (91854001; $500,000) is recommended to offset this budget adjustment. Replenishing the funding for these projects to offset the budget

decreases will occur via the FY 2020-21 budget process or through the Capital Improvement Plan (CIP) preparation process pending Board approval.

Watershed Habitat Enhancement Project (62044001) - $380,000

A budget adjustment to increase the Watershed Habitat Enhancement Project FY20 budget by $380,000 (from $691,578 to $1,071,578) due to a higher than expected estimate to complete the Metcalf Ponds feasibility study and a change in project management that resulted in (1) additional revisions to the Stevens Creek fish passage barrier report, and (2) a need for funding to complete a new planning study for Stevens Creek. If additional funds are not approved, commitments to complete the Metcalf Ponds feasibility report and the Stevens Creek fish barrier analysis would be delayed. In addition, the work to complete a new planning study that would deliver a recommended alternative for fish passage barrier enhancement(s) in Stevens Creek would not start. A corresponding decrease to the Watershed Stream Stewardship Operating and Capital Reserves is recommended to offset this budget adjustment.

South San Francisco Bay Phase I Shoreline Project *(00044026) - $27,800,000

A budget adjustment to increase the South San Francisco Bay Phase I Shoreline Project FY20 budget by $27.8 million (from to $8.0 million to $35.8 million) to address construction and property acquisition costs:

a. $14.0 million is requested to cover the local cost share with the U.S. Army Corps of Engineers (USACE) for construction of the South San Francisco Bay Shoreline Project in EIA 11 (Shoreline Project) Reaches 2 and 3. The USACE plans to award Reaches 2 and 3 for construction in April 2020. The total cost to construct Reaches 2 and 3 is estimated to be $29 million of which the local cost share amount is $14.0 million amount. The USACE will be requesting the $14.0 million in February 2020 prior to award of the construction contract. The full $14.0 million is eligible for reimbursement from Measure AA funds.

b. $13.8 million is requested to purchase Pond A-18 and associated easements to enable construction of Reaches 4 and 5 of the Shoreline Project. Acquistion of property and easements is expected by May 2020. Approximately $4 million is eligible for reimbursement from Measure AA and approximately $10 million is eligible for DWR subventions.

A corresponding decrease to the Lower Penitencia Creek Improvement Project (40334005; $7,000,000), Berryessa Creek Lower Project (40174005; $13,800,000), and Lower Penitencia Creek Improvement Project Reserve (40334005; $7,000,000) is recommended to offset this budget adjustment. Replenishing the funding for these projects to offset the budget decreases will occur via the FY 2020-21 budget process or through the Capital Improvement Plan (CIP) preparation process pending Board approval.

South San Francisco Bay Phase II Shoreline Project (26444002) - $300,000

A budget adjustment to increase the South San Francisco Bay Phase II Shoreline Project by $300,000 (from $745,988 to $1,045,988) is requested to cover the local cost share with the United States Army Corps of Engineers (USACE) for the South San Francisco Bay Shoreline Phase II

Project Feasibility Study. The USACE expended additional funds to reach the alternatives milestone meeting; thus the local cost share amounts increased from the original project cost schedule. A corresponding decrease to the South San Francisco Bay Phase II Shoreline Project Reserves is recommended to offset this budget adjustment.

Rinconada Water Treatment Plant Reliability Improvement Project (93294057) - $8,200,000

A budget adjustment to increase the Rinconada Water Treatment Plant Reliability Improvement Project FY20 budget by $8.2 million (from to $61.5 million to $69.7 million) to address unforeseen challenges resulting in construction impacts. These construction impacts have altered the project schedule. Consequently, additional funding this fiscal year is necessary to complete Phase 2. A corresponding decrease to the 10-Year Pipeline Inspection and Rehabilitation Project (95084002; $7,400,000) and Pacheco/SC Conduit Right of Way Acquisition (92144001; $800,000) is recommended to offset this budget adjustment. Replenishing the funding for these projects to offset the budget decreases will occur via the FY 2020-21 budget process or through the Capital Improvement Plan (CIP) preparation process pending Board approval.

6. Operating budget adjustment: There is one operating midyear budget adjustment in the General Fund to increase the District's Security Services budget by $300,000 (from $2.0 million to $2.3 million) to reflect the cost associated with the New Living Wage Policy approved by the Board on August 27, 2019 (Agenda Memo Item No. 19-0674). The new policy applies to any new janitorial services and security services contracts and requires that workers employed on these contracts be paid at a wage either at or above the living wage rate, and be provided health insurance benefits as defined in the policy. The new policy will affect all contracts for janitorial services and security services that go into effect after August 27, 2019. The budget adjustment will transfer $300,000 from the General Fund's Operating and Capital Reserve.

7. Operating Transfers In/Out: This action is to transfer $51,430 from the Watersheds and Stream Stewardship Fund to the Water Utility Enterprise fund (WU) for the release of 599-acre feet of water released from the Lexington reservoir for flood control purposes in late February 2019. Section 26.3 of the District Act governs how Water Utility Groundwater Charges may be used. The Act does not permit charges for flood management. Therefore, the Watersheds must reimburse the WU for flood management expenses.

This adjustment increases the Watershed and Stream Stewardship Fund FY20 Interfund Transfers Out budget by $51,430 million offset by a corresponding reduction to the Fund's ending Operating and Capital Reserve. The action also increases the Water Utility Transfers In budget by $51,430 offset by a corresponding increase to the Fund's ending Operating and Capital Reserve.

8. Debt Service Expense: There are no budget adjustment for debt service expenses.

FINANCIAL IMPACT:
Approval of the recommended FY 2018-19 budget adjustments (Attachment 1) will ensure the final estimated budget reserves are aligned with the audited reserve balances as of June 20, 2019.

Approval of the recommended FY 2019-20 midyear budget adjustments (Attachment 2 and 3) will appropriate the $158.9 million capital carryforward, adjust the General Fund operating budget by $300,000, add a $51,430 transfer from the Watershed and Stream Stewardship Fund to the Water Utility Enterprise Fund, and adjust the capital project budget by a net amount of $380,000.

The total project cost for the South San Francisco Bay Shoreline Project has increased by $53 million relative to the Preliminary FY 21-25 CIP, partially offset by an additional $18.5 million in capital reimbursements. The net cost increase for this project may impact the ability of the Watershed Stream Stewardship fund to pay for other flood protection projects and activities.

CEQA:
The recommended action does not constitute a project under CEQA because it does not have a potential for resulting in direct or reasonably foreseeable indirect physical change in the environment.

ATTACHMENTS:
*Original Board Agenda Memo
*Original Attachment 1: FY18-19 Yearend Closing Sheet
*Original Attachment 2: FY19-20 Midyear Adjustment Sheet
*Original Attachment 3: FY19-20 Midyear Adjustment Detail
*Supplemental Board Agenda Memo
*Supplemental Attachment 1: Revising Original Attachment 2
*Supplemental Attachment 2: Revising Original Attachment 3

UNCLASSIFIED MANAGER:
Darin Taylor, 408-630-3068

Santa Clara Valley Water District

File No.: 20-0009

Agenda Date: 2/25/2020
Item No.: 8.1.

BOARD AGENDA MEMORANDUM

SUBJECT:
Receive and approve the Fiscal Year 2018-19 Year-End Closing Budget Adjustment and Fiscal Year 2019-20 Midyear Budget Adjustment.

RECOMMENDATION:
A. Approve the Fiscal Year 2018-19 year-end closing budget adjustment; and
B. Approve the Fiscal Year 2019-20 midyear operating and capital budget adjustments as per Attachment 2 and 3.

SUMMARY:
At the end of each fiscal year (FY), Valley Water conducts a reconciliation of budget reserve estimates with actual reserves. The result of this reconciliation is to implement the year-end closing budget adjustment. The year-end closing budget adjustments are submitted to the Board on an annual basis as part of the year-end closing process.

The projected year-end budget reserves are adjusted to reflect the FY 2018-19 actual reserves validated by the external audit process conducted by independent auditors Maze & Associates.

Concurrently, staff submits to the Board the FY 2019-20 Midyear adjustment to reflect impacts of prior year-end fiscal close and to recommend other budget adjustments in anticipation of necessary expenses not included at the time of adoption.

The FY 2018-19 year-end closing budget adjustments are presented in Attachment 1 summarized as follows:

1. Reduce capital project appropriation: There are no FY 2018-19 reductions in capital project appropriations.

2. Deferral of capital project budget to FY 2019-20: There are no capital project budget deferred from FY 2018-19 to FY 2019-20.

3. Update FY 2018-19 budget reserves: To reflect the audited reserves for FY 2018-19 resulting from final revenues, expenses, transfers and debt proceeds. These year-end reserves become the

beginning reserves for FY 2019-20. Therefore, this adjustment brings the FY 2019-20 reserves budget into alignment with the prior year-end results. The change to reserves total is $86.0 million. Attachment 1 shows the specific reserve adjustments.

The FY 2019-20 mid-year budget adjustments are presented in Attachments 2 & 3 and summarized as follows:

4. Recognize capital carryforward: Adjust various capital projects funding to reflect capital carry forward budget from FY 2018-19 unspent or unencumbered appropriation balances remaining at year -end which totals to $158.9 million.

5. Capital project budget adjustments: There are five budget adjustments for capital projects in various funds proposed in this report totaling $45,380,000. The report also includes decreases in various capital projects amounting to $45,000,000, with a net transfer impact of $380,000 from the Operating and Capital Reserve in the Watershed and Stream Stewardship Fund (12) to projects in the respective fund. Details are included in the Attachment 3 and are explained below.

Anderson Dam Seismic Retrofit Project (6010108) - $8,700,000

A budget adjustment to increase the Anderson Dam Seismic Retrofit (ADSR) project FY20 budget by $8.7 million (from $11.6 million to $20.3 million) to address the timing of the expanded scope of the project. The expanded scope stems from the Federal Energy Regulatory Commission (FERC) determination that operation of Anderson Reservoir will need to be addressed as part of the environmental consultation and project approval as well as from the National Marine Fisheries Service determination that potential impacts related to operation of the dam after completion of the construction must also be considered. For the expanded scope, FERC, California Department of Water Resources Division of Safety of Dams, and the independent Board of Consultants have requested additional geotechnical investigations and analysis to design the spillway, in-reservoir stockpiles, outlet works, and embankment reconstruction to improve the overall constructability of the proposed project.

Additionally, the overlap between the ADSR Project in protecting water supply and public safety, and the Fish and Aquatic Habitat Collaborative Effort (FAHCE) in addressing the types of restoration measures necessary to avoid, minimize, and potentially mitigate impacts of continuing operations of Anderson Reservoir on Coyote Creek, Valley Water will have to evaluate applicable Coyote Creek FAHCE measures in the ADSR Project Environmental Impact Reports. To complete the expanded scope this year, the ADSR Project will need three budget adjustments: a) budget adjustment of $4,500,000 for a new Environmental Planning and Permitting Services Agreement with Horizon Water and Environment, LLC b) budget adjustment of $2,200,000 for Amendment No. 7 to the Agreement A3673A with URS Corporation for Design Services; and c) budget adjustment of $2,000,000 for Amendment No. 8 to the Agreement A3555A with Black and Veatch for Project Management Services. A corresponding decrease to the Pacheco Reservoir Expansion Project (91954002; $6,950,000), Calero Dam Seismic Retrofit Design and Construction Project (91874004; $1,250,000), and Almaden Dam Improvements Project (91854001; $500,000) is recommended to offset this budget adjustment. Replenishing the funding for these projects to offset the budget

decreases will occur via the FY 2020-21 budget process or through the Capital Improvement Plan (CIP) preparation process pending Board approval.

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b. $13.8 million is requested to purchase Pond A-18 and associated easements to enable construction of Reaches 4 and 5 of the Shoreline Project. Acquistion of property and easements is expected by May 2020. Approximately $4 million is eligible for reimbursement from Measure AA and approximately $10 million is eligible for DWR subventions.

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Project Feasibility Study. The USACE expended additional funds to reach the alternatives milestone meeting; thus the local cost share amounts increased from the original project cost schedule. A corresponding decrease to the South San Francisco Bay Phase II Shoreline Project Reserves is recommended to offset this budget adjustment.

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This adjustment increases the Watershed and Stream Stewardship Fund FY20 Interfund Transfers Out budget by $51,430 million offset by a corresponding reduction to the Fund's ending Operating and Capital Reserve. The action also increases the Water Utility Transfers In budget by $51,430 offset by a corresponding increase to the Fund's ending Operating and Capital Reserve.

8. Debt Service Expense: There are no budget adjustment for debt service expenses.

FINANCIAL IMPACT:
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CEQA:
The recommended action does not constitute a project under CEQA because it does not have a potential for resulting in direct or reasonably foreseeable indirect physical change in the environment.

ATTACHMENTS:
Attachment 1: FY 2018-19 Year-End Closing Sheet
Attachment 2: FY 2019-20 Midyear Budget Adjustment Sheet
Attachment 3: FY 2019-20 Midyear Budget Adjustment Details

UNCLASSIFIED MANAGER:
Darin Taylor, 408-630-3068

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Attachment 1: FY 2018-19 Year-End Closing Budget Adjustments

FY 2018-19 Year-End Budget Adjustments	FY 2018-19								
	Fund 11 General Fund (GF)	Fund 12 Watershed Stream Stewardship Fund (WSS)	Fund 26 Safe Clean Water Fund (SCW)	Fund 61 Water Utility Enterprise Fund (WUE)	Fund 63 State Water Project Fund (SWP)	Fund 71 Fleet Management Fund	Fund 72 Risk Insurance Fund	Fund 73 Information Technology Fund	Total
	Appropriations Increase/(Decrease)								
1 Capital budget adjustments - FY 2018-19 Funding									
None									-
									-
	-	-	-	-		-	-	-	-
2 Deferral of capital project budget to FY 2019-20									
None									-
									-
	-	-	-	-		-	-	-	-
	Budget Reserves Increase/(Decrease)								
3 FY 2018-19 reserves budget adjustments reflecting FY 2018-19 year-end actual reserve balance									
Currently Authorized Projects		27,208,936	47,703,781	17,182,978				3,749,749	95,845,444
Benefit Assessment Reserve		1,097,604							1,097,604
Catastrophy - Property Self-Insurance							1,242,009		1,242,009
Workers Compensation Liability							51,200		51,200
Operating and Capital Reserve	4,357,698	5,779,088	(16,487,258)	(14,230,852)		1,125,775		(1,008,336)	(20,463,885)
WUE Rate Stabilization				3,612,635					3,612,635
WUE San Felipe Emergency				96,972					96,972
WUE State Water Project					4,471,797				4,471,797
Total	**4,357,698**	**34,085,628**	**31,216,523**	**6,661,733**	**4,471,797**	**1,125,775**	**1,293,209**	**2,741,413**	**85,953,776**

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Attachment 2: FY 2019-20 Mid-Year Budget Adjustments

	FY 2019-20									
	Fund 11	Fund 12	Fund 26	Funds 21-25	Fund 61	Fund 63	Fund 71	Fund 72	Fund 73	TOTAL
	General Fund (GF)	Watershed Stream Stewardship (WSS)	Safe Clean Water (SCW)	Benefit Assessment Funds (BAs)	Water Utility Enterprise (WUE)	State Water Project (SWP)	Fleet Management Fund (FMF)	Risk Management Fund (RMF)	Information Technology Fund (ITF)	
FY 2019-20 Mid-Year Budget Adjustments	Appropriation Increase/(Decrease)									
4 Capital Carryforward Budget from FY 2018-19 for current year capital appropriations										
		25,667,707	90,459,984		33,022,218				9,724,749	158,874,658
										-
5 Capital Project Budget Adjustments										
Anderson Dam Seismic Retrofit Project (91864005)					14,500,000					14,500,000
Pacheco Reservoir Expansion (91954002)					(12,750,000)					(12,750,000)
Calero Dam Seismic Retrofit Design & Construction (91874004)					(1,250,000)					(1,250,000)
Almaden Dam Outlet Project (91854001)					(500,000)					(500,000)
Watershed Habitat Enhancement Project (62044001)		380,000								380,000
Watershed Stream Stewardship Operating and Capital Reserves (00000000)		(380,000)								(380,000)
South San Francisco Bay Phase I Shoreline Project (00044026)		27,800,000								27,800,000
Lower Penitencia Creek Improvement Project Reserves (40334005)		(7,000,000)								(7,000,000)
Lower Penitencia Creek Improvement Project (40334005)		(7,000,000)								(7,000,000)
Berryessa Creek, Lower Project (40174005)		(13,800,000)								(13,800,000)
South San Francisco Bay Phase II Shoreline Project (26444002)			300,000							300,000
South San Francisco Bay Shoreline Project, EIA 1-10 Project Reserves (00000000)			(300,000)							(300,000)
Rinconada Water Treatment Plant Reliability Improvement Project (93294057)					8,200,000					8,200,000
10-Year Pipeline Inspection and Rehabilitation Project (95084002)					(7,400,000)					(7,400,000)
Pacheco/SC Conduit Right of Way Acquisition (92144001)					(400,000)					(400,000)
Pacheco/SC Conduit Right of Way Acquisition (92144001)					(400,000)					(400,000)
Total	-	-	-	-	-	-	-	-	-	-
6 Operating Project Budget Adjustment										
District Security Services (60101008)	300,000									300,000
Operating and Capital Reserve (00000000)	(300,000)									(300,000)
Total	-	-	-	-	-	-	-	-	-	-
7 Operating Transfers In/(Out)										
Lexington Reservoir Interim Operations for Flood Risk Reduction					51,430					51,430
Lexington Reservoir Interim Operations for Flood Risk Reduction		(51,430)								(51,430)
Total	-	**(51,430)**	-	-	**51,430**	-	-	-	-	-
8 Debt Service Expense										
Total										-

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Attachment 3: FY 2019-2020 Mid-Year Budget Adjustment Details

ITEM	DESCRIPTION	FUND	DEPT	PROJECT NO	$ INCREASE	$ DECREASE
1.	**Anderson Dam Seismic Retrofit Project (91864005) - $14,500,000 Capital Adjustment**					
	Anderson Dam Seismic Retrofit Project	61	112	91864005	$8,700,000	
	Pacheco Reservoir Expansion	61	377	91954002		($6,950,000)
	Calero Dam Seismic Retrofit Design & Construction	61	595	91874004		($1,250,000)
	Almaden Dam Outlet Project	61	595	91854001		($500,000)
	Budget Adjustments				**$8,700,000**	**($8,700,000)**
2.	**Watershed Habitat Enhancement Project (62044001) - $380,000 Capital Adjustment**					
	Watershed Habitat Enhancement	12	245	62044001	$380,000	
	Watershed Stream Stewardship Operating and Capital Reserves	12	000	00000000		($380,000)
	Budget Adjustments				**$380,000**	**($380,000)**
3.	**South San Francisco Bay Phase I Shoreline Project (00044026) - $27,800,000 Capital Adjustment**					
	South San Francisco Bay Shoreline Project, EIA 11	99	334	00044026	$27,800,000	
	Lower Penitencia Creek Improvement Project Reserves	12	334	40334005		($7,000,000)
	Lower Penitencia Creek Improvement Project	12	334	40334005		($7,000,000)
	Berryessa Creek, Lower Project	12	334	40174005		($13,800,000)
	Budget Adjustments				**$27,800,000**	**($27,800,000)**
4.	**South San Francisco Bay Phase II Shoreline Project (26444002) - $300,000 Capital Adjustment**					
	South San Francisco Bay Shoreline Project, EIA 1-10	26	334	26444002	$300,000	
	South San Francisco Bay Shoreline Project, EIA 1-10 Project Reserves	26	000	00000000		($300,000)
	Budget Adjustments				**$300,000**	**($300,000)**
5.	**Rinconada Water Treatment Plant Reliability Improvement Project (93294057) - $8,200,000 Capital Adjustment**					
	RWTP Reliability Improvement Project	61	376	93294057	$8,200,000	
	10-Year Pipeline Inspection and Rehabilitation Project	61	385	95084002		($7,400,000)
	Pacheco/SC Conduit Right of Way Acquisition	61	335	92144001		($400,000)
	Pacheco/SC Conduit Right of Way Acquisition	61	375	92144001		($400,000)
	Budget Adjustments				**$8,200,000**	**($8,200,000)**
6.	**District Security Services (60101008) - $300,000 Operating Adjustment**					
	District Security Services	11	219	60101008	$300,000	
	Operating and Capital Reserve	11	000	00000000		($300,000)
	Budget Adjustments				**$300,000**	**($300,000)**
7.	**Lexington Reservoir Interim Operations for Flood Risk Reduction - $51,430 Operating Adjustment**					
	Watershed and Stream Stewardship Fund (12) - Transfer In	12	000	00000000	$ 51,430	
	Water Utility Enterprise Fund (61) - Transfer Out	61	000	00000000		$ (51,430)
	Budget Adjustments				**$51,430**	**($51,430)**

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Santa Clara Valley Water District

File No.: 20-0245

Agenda Date: 2/25/2020
Item No.: *8.1.

SUPPLEMENTAL BOARD AGENDA MEMORANDUM

SUBJECT:
Receive and Approve the Fiscal Year 2018-19 Year-End Closing Budget Adjustment and Fiscal Year 2019-20 Midyear Budget Adjustment.

REASON FOR SUPPLEMENTAL MEMORANDUM:
This update conveys additional information received after the initial agenda memo was released, consistent with Executive Limitations Policy EL-7-10-5.

RECOMMENDATION:
A. Approve the Fiscal Year 2018-19 year-end closing budget adjustment; and
*B. Approve the Fiscal Year 2019-20 midyear operating and capital budget adjustments as per Supplemental Attachments 1 and 2.

SUMMARY:
The Supplemental Board Agenda Memorandum updates the following items:

1. Correct the Anderson Dam Seismic Retrofit Project number typo from 6010108 to 91864005 on Page 2 of the original board agenda memo under the Capital Project Budget Adjustment section.
2. This supplemental memo includes updated versions of Attachments 1 and 2 to align with the original board agenda memo:
   a) Update the Capital Project Budget Adjustments section in the FY 2019-2020 Mid-Year Budget Adjustment Sheet (Attachment 1) for the Anderson Dam Seismic Retrofit project (91864005) and Pacheco Reservoir Expansion project (91954002) to align with original board agenda memo.
   b) Update the FY 2019-2020 Mid-Year Budget Adjustment Details (Attachment 2) to include the updated description for Item 1 and correct the transfer out/transfer in between the Watershed and Stream Stewardship Fund and Water Utility Enterprise Fund in Item 7.

FINANCIAL IMPACT:
There is no change to the originally reported financial impact associated with this item.

CEQA:
The recommended action does not constitute a project under CEQA because it does not have the potential for resulting in direct or reasonably foreseeable indirect

ATTACHMENTS:
*Supplemental Attachment 1: Revising Original Attachment 2
*Supplemental Attachment 2: Revising Original Attachment 3

UNCLASSIFIED MANAGER:
Darin Taylor, 408-630-3068

Supplemental Attachment 1: FY 2019-20 Mid-Year Budget Adjustments

	FY 2019-20									
	Fund 11	Fund 12	Fund 26	Funds 21-25	Fund 61	Fund 63	Fund 71	Fund 72	Fund 73	TOTAL
	General Fund (GF)	Watershed Stream Stewardship (WSS)	Safe Clean Water (SCW)	Benefit Assessment Funds (BAs)	Water Utility Enterprise (WUE)	State Water Project (SWP)	Fleet Management Fund (FMF)	Risk Management Fund (RMF)	Information Technology Fund (ITF)	
FY 2019-20 Mid-Year Budget Adjustments	Appropriation Increase/(Decrease)									
4 Capital Carryforward Budget from FY 2018-19 for current year capital appropriations										
		25,667,707	90,459,984		33,022,218				9,724,749	158,874,658
										-
5 Capital Project Budget Adjustments										
Anderson Dam Seismic Retrofit Project (91864005)					8,700,000					8,700,000
Pacheco Reservoir Expansion (91954002)					(6,950,000)					(6,950,000)
Calero Dam Seismic Retrofit Design & Construction (91874004)					(1,250,000)					(1,250,000)
Almaden Dam Outlet Project (91854001)					(500,000)					(500,000)
Watershed Habitat Enhancement Project (62044001)		380,000								380,000
Watershed Stream Stewardship Operating and Capital Reserves (00000000)		(380,000)								(380,000)
South San Francisco Bay Phase I Shoreline Project (00044026)		27,800,000								27,800,000
Lower Penitencia Creek Improvement Project Reserves (40334005)		(7,000,000)								(7,000,000)
Lower Penitencia Creek Improvement Project (40334005)		(7,000,000)								(7,000,000)
Berryessa Creek, Lower Project (40174005)		(13,800,000)								(13,800,000)
South San Francisco Bay Phase II Shoreline Project (26444002)			300,000							300,000
South San Francisco Bay Shoreline Project, EIA 1-10 Project Reserves (00000000)			(300,000)							(300,000)
Rinconada Water Treatment Plant Reliability Improvement Project (93294057)					8,200,000					8,200,000
10-Year Pipeline Inspection and Rehabilitation Project (95084002)					(7,400,000)					(7,400,000)
Pacheco/SC Conduit Right of Way Acquisition (92144001)					(400,000)					(400,000)
Pacheco/SC Conduit Right of Way Acquisition (92144001)					(400,000)					(400,000)
Total	-	-	-	-	-	-	-	-	-	-
6 Operating Project Budget Adjustment										
District Security Services (60101008)	300,000									300,000
Operating and Capital Reserve (00000000)	(300,000)									(300,000)
Total	-	-	-	-	-	-	-	-	-	-
7 Operating Transfers In/(Out)										
Lexington Reservoir Interim Operations for Flood Risk Reduction					51,430					51,430
Lexington Reservoir Interim Operations for Flood Risk Reduction		(51,430)								(51,430)
Total	-	**(51,430)**	-	-	**51,430**	-	-	-	-	-
8 Debt Service Expense										
Total										-

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Supplemental Attachment 2: FY 2019-2020 Mid-Year Budget Adjustment Details

ITEM	DESCRIPTION	FUND	DEPT	PROJECT NO	$ INCREASE	$ DECREASE
1.	**Anderson Dam Seismic Retrofit Project (91864005) - $8,700,000 Capital Adjustment**					
	Anderson Dam Seismic Retrofit Project	61	112	91864005	$8,700,000	
	Pacheco Reservoir Expansion	61	377	91954002		($6,950,000)
	Calero Dam Seismic Retrofit Design & Construction	61	595	91874004		($1,250,000)
	Almaden Dam Outlet Project	61	595	91854001		($500,000)
	Budget Adjustments				**$8,700,000**	**($8,700,000)**
2.	**Watershed Habitat Enhancement Project (62044001) - $380,000 Capital Adjustment**					
	Watershed Habitat Enhancement	12	245	62044001	$380,000	
	Watershed Stream Stewardship Operating and Capital Reserves	12	000	00000000		($380,000)
	Budget Adjustments				**$380,000**	**($380,000)**
3.	**South San Francisco Bay Phase I Shoreline Project (00044026) - $27,800,000 Capital Adjustment**					
	South San Francisco Bay Shoreline Project, EIA 11	99	334	00044026	$27,800,000	
	Lower Penitencia Creek Improvement Project Reserves	12	334	40334005		($7,000,000)
	Lower Penitencia Creek Improvement Project	12	334	40334005		($7,000,000)
	Berryessa Creek, Lower Project	12	334	40174005		($13,800,000)
	Budget Adjustments				**$27,800,000**	**($27,800,000)**
4.	**South San Francisco Bay Phase II Shoreline Project (26444002) - $300,000 Capital Adjustment**					
	South San Francisco Bay Shoreline Project, EIA 1-10	26	334	26444002	$300,000	
	South San Francisco Bay Shoreline Project, EIA 1-10 Project Reserves	26	334	26444002		($300,000)
	Budget Adjustments				**$300,000**	**($300,000)**
5.	**Rinconada Water Treatment Plant Reliability Improvement Project (93294057) - $8,200,000 Capital Adjustment**					
	RWTP Reliability Improvement Project	61	376	93294057	$8,200,000	
	10-Year Pipeline Inspection and Rehabilitation Project	61	385	95084002		($7,400,000)
	Pacheco/SC Conduit Right of Way Acquisition	61	335	92144001		($400,000)
	Pacheco/SC Conduit Right of Way Acquisition	61	375	92144001		($400,000)
	Budget Adjustments				**$8,200,000**	**($8,200,000)**
6.	**District Security Services (60101008) - $300,000 Operating Adjustment**					
	District Security Services	11	219	60101008	$300,000	
	Operating and Capital Reserve	11	000	00000000		($300,000)
	Budget Adjustments				**$300,000**	**($300,000)**
7.	**Lexington Reservoir Interim Operations for Flood Risk Reduction - $51,430 Operating Adjustment**					
	Watershed and Stream Stewardship Fund (12) - Transfer In	12	000	00000000	$ 51,430	
	Water Utility Enterprise Fund (61) - Transfer Out	61	000	00000000		$ (51,430)
	Budget Adjustments				**$51,430**	**($51,430)**

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Santa Clara Valley Water District

File No.: 20-0116

Agenda Date: 2/25/2020
Item No.: 8.2.

BOARD AGENDA MEMORANDUM

SUBJECT:
Receive the Fiscal Year 2019-20 Financial Status Update Report as of December 31, 2019.

RECOMMENDATION:
Receive the financial status update report for the Fiscal Year 2019-20 as of December 31, 2019.

SUMMARY:
The Santa Clara Valley Water District (Valley Water) completed the first six months or Midyear point for the Fiscal Year (FY) 2019-20 on December 31, 2019. This report summarizes the budget to actual status of revenues, and operating and capital expenditures for all Valley Water funds as of December 31, 2019. The year-to-date budgetary actuals presented in the report are based on financial transactions recorded on Valley Water's accounting records as of December 31, 2019 and does not include any adjustments or accruals for revenues and expenditures as those are normally processed at the fiscal year-end. In addition, the report does not include any midyear budget amendments as they will be presented as a separate item to the Board on February 25, 2020. The Attachment 1 of the report presents a detailed comparison of budgetary actual revenues and expenditures to the adopted and adjusted budget as of December 31, 2019.

These financial statements have been prepared by Valley Water for informational purposes only and have not been audited by the external auditor. These financial statements remain subject to change by Valley Water and remain subject to review by the external auditor. Changes made by the external auditor, including changes in response to the outside auditor's review, could be material. No party is authorized to disseminate these unaudited financial statements to the State Comptroller or any nationally recognized rating agency nor to post these financial statements on EMMA or any similar financial reporting outlets or redistribute the information without the express written authorization of the Chief Financial Officer of Valley Water. The information herein is not intended to be used by investors or potential investors in considering the purchase or sale of District bonds, notes or other obligations and investors and potential investors should rely only on information filed by the District on the Municipal Securities Rulemaking Board's Electronic Municipal Market Access System for municipal securities disclosures, maintained on the World Wide Web at <https://emma.msrb.org/>.

FINANCIAL IMPACT:

There is no financial impact related to this report.

CEQA:
The recommended action does not constitute a project under CEQA because it does not have a potential for resulting in direct or reasonably foreseeable indirect physical change in the environment.

ATTACHMENTS:
Attachment 1: PowerPoint

UNCLASSIFIED MANAGER:
Darin Taylor, 408-630-3068

First Half FY2019-20
Mid-Year Financial Status Update

February 25, 2020

Agenda

- Revenue by Category and Fund
- Operating Expenditures
- Capital Expenditures
- Reserve Balances
- Summary

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Mid-Year Revenue by Category and Fund

Majority of revenues are anticipated to end the year at budgeted estimates

($ in millions)	FY20 Adj Budget	1H FY20 Actuals	1H FY20 % Rec'd	1H FY19 Actuals	1H FY20 vs 1H FY19	1H FY19 % Rec'd
1% Ad-valorem Property Tax	$ 102.0	$ 41.7	40.9%	$ 42.2	$ (0.5)	39.2%
Safe Clean Water Special Parcel Tax	45.5	-	0.0%	-	-	0.0%
Benefit Assessment Tax	13.4	-	0.0%	-	-	0.0%
State Water Project Tax	18.0	0.6	3.6%	1.4	(0.8)	6.3%
Groundwater Production Charges	105.0	42.9	40.8%	38.5	4.4	47.0%
Treated Water Revenue	169.5	80.5	47.5%	77.0	3.5	53.5%
Surface/Recycled Water Revenue	2.8	0.0	0.7%	0.2	(0.2)	10.4%
Capital Reimbursements	32.6	12.7	38.8%	3.1	9.6	11.5%
Interest Income & Other	12.9	9.7	74.9%	8.5	1.2	75.0%
Total Revenue	**$ 501.8**	**$188.1**	**37.5%**	**$170.9**	**$ 17.2**	**36.7%**

($ in millions)	FY20 Adj Budget	1H FY20 Actuals	1H FY20 % Rec'd	1H FY19 Actuals	1H FY20 vs 1H FY19	1H FY19 % Rec'd
General Fund	$ 8.6	$ 3.7	43.0%	$ 3.6	$ 0.1	38.4%
Watershed & Stream Stewardship Fund	97.0	48.9	50.4%	38.8	10.1	39.4%
Safe Clean Water Fund	61.4	3.2	5.2%	4.5	(1.3)	6.2%
Water Utility Enterprise Fund	320.7	131.7	41.1%	123.5	8.2	45.9%
Service Funds	0.7	0.6	85.7%	0.4	0.2	50.0%
Benefit Assessment Funds	13.4	-	0.0%	-	-	0.0%
Total Revenue	**$ 501.8**	**$188.1**	**37.5%**	**$170.9**	**$ 17.2**	**36.7%**

Observations

- FY20 Adjusted Budget of $501.8M
- 1H FY20 District revenues are $188.1M or 37.5% of Adj Budget and $17.2M higher than 1H FY19 revenues of $170.9M
- SCW Special Parcel, Benefit Assessment and State Water Project Tax revenues recorded in second-half of the fiscal year
- Groundwater production charges of $42.9M or 40.8% of Adj Budget and $4.4M higher than 1H FY19
- Treated water revenue of $80.5M or 47.5% of Adj Budget and $3.5M higher than 1H FY19
- Capital reimbursements of $12.7M which varies year-over-year depending on progress of grant-funded projects

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Mid-Year Revenue Performance

Revenues expected to meet Budget targets except for Water Revenue

- Majority of Property, SCW Special Parcel, Benefit Assessment and State Water Project Tax revenues received in second half of fiscal year

- Groundwater Production Charges and Treated Water Revenue tracking below Budget due to lower water demand
  - Anticipate a $20M shortfall versus FY20 water revenue budget

- Capital reimbursements and interest income expected to meet or exceed Budget

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Mid-Year Operating and Capital Expenditures

Operating expenditures estimated to end FY within budgeted levels

($ in millions)	FY20 Adj Budget	1H FY20 Actuals	1H FY20 % Spent	1H FY19 Actuals	1H FY20 vs 1H FY19	1H FY19 % Spent
General Fund	$ 59.2	$ 26.8	45.3%	$ 25.1	$ 1.7	46.2%
Watershed & Stream Stewardship Fund	58.4	26.4	45.2%	26.2	$ 0.2	47.1%
Safe Clean Water Fund	29.0	14.6	50.3%	7.0	$ 7.6	28.7%
Water Utility Enterprise Fund	232.0	91.1	39.3%	86.9	$ 4.2	39.6%
Service Funds	28.6	11.5	40.2%	10.4	$ 1.1	40.3%
Benefit Assessment Funds	11.2	1.6	14.3%	1.9	$ (0.3)	15.0%
Total Operating Expenditures	**$ 418.4**	**$ 172.0**	**41.1%**	**$ 157.5**	**$ 14.5**	**40.0%**

Note 1: Operating Adjusted Budget includes Adopted Budget and current year budget adjustments
Note 2: Budgetary basis Actuals includes actuals and encumbrances as of 12/31/19

($ in millions)	FY20 Adj Budget	1H FY20 Actuals	1H FY20 % Spent	1H FY19 Actuals	1H FY20 vs 1H FY19	1H FY19 % Spent
General Fund	$ 2.2	$ 1.3	59.1%	$ 0.4	$ 0.9	10.8%
Watershed & Stream Stewardship Fund	57.4	11.8	20.6%	14.1	$ (2.3)	23.6%
Safe Clean Water Fund	129.2	50.7	39.2%	20.1	$ 30.6	18.2%
Water Utility Enterprise Fund	165.1	52.6	31.9%	50.2	$ 2.4	34.7%
Service Funds	16.1	2.2	13.7%	2.5	$ (0.3)	13.1%
Total Capital Expenditures	**$ 370.0**	**$ 118.6**	**32.1%**	**$ 87.3**	**$ 31.3**	**25.9%**

Note 1: Capital Adjusted Budget includes Adopted Budget and prior year capital carryforward
Note 2: Budgetary basis Actuals includes actuals and encumbrances as of 12/31/19

Observations

- FY20 Operating Adjusted Budget of $418.4M
- 1H FY20 Operating Expenditures of $172M or 41.1% of Adj Budget; similar percentage spent levels as 1H FY19
- Debt service on Benefit Assessment Funds is paid in second half of fiscal year

- FY20 Capital Adjusted Budget of $370.0M
- 1H FY20 Capital Expenditures of $118.6M or 32.1% of Adj Budget; higher percentage spent as compared to 1H FY19

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Mid-Year Operating and Capital Expenditures

Operating and capital expenditures to remain within budget by year-end

- Operating expenditures, 41% of budget, expected to remain within budget by year-end

- Capital expenditures, 32% of budget, expected to remain within budget by year-end; expenditures tracking higher than last year

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Reserve Balances

Estimated reserve balances slightly higher than Adopted Budget

($ in millions)	FY20 Adopted Budget	FY20 Estimate	Estimate vs Adopted
Restricted Reserves			
Safe Clean Water Fund	$ 116.1	$ 114.0	$ (2.0)
Water Utility Enterprise Fund	65.5	72.7	7.2
Restricted Subtotal	$ 181.6	$ 186.7	$ 5.1
Committed Reserves			
General Fund	$ 4.3	$ 8.9	$ 4.6
Watershed & Stream Stewardship Fun	82.2	87.5	5.3
Water Utility Enterprise Fund	57.3	44.8	(12.4)
Service Funds	17.5	19.8	2.3
Committed Subtotal	$ 161.3	$ 161.1	$ (0.2)
Total Reserves	**$ 342.9**	**$ 347.9**	**$ 5.0**

Observations

- FY20 estimate reserve balances at year-end $347.9M
- An increase of $5.0 million compared to FY20 Adopted budget of $342.9M
- General Fund reserve $4.6M higher due to higher Actual reserve balance in FY19
- Watershed & Stream Stewardship Fund reserve $5.3M higher due to higher Actual reserve balance in FY19
- Water Utility Enterprise Fund reserves $5.2M lower due to lower anticipated revenue ($20M) offset by increase in debt financing ($11M)

Estimate Reserve Balances

Capital expenditures directly impact estimated reserve balances

- Overall, FY20 estimated reserves are $347.9 million by year-end
  - Estimate based on FY19 year-end actual reserve, FY20 current year projections for revenue, financing, and operating and capital expenditures

- Unspent capital project budgets will result in increases to year-end reserve balance estimates

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Mid-Year Financial Update Summary

- Majority of revenues are anticipated to end FY at budgeted levels
  - Will continue to monitor performance in second half of fiscal year
- Operating expenditures estimated to end FY within budgeted levels
- First half capital expenditures trending higher than prior year
- Highlight any significant developments as well as identify any potential budget actions necessary in second half of fiscal year

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QUESTIONS