



## **Santa Clara Valley Water District Capital Improvement Program Committee Meeting**

HQ. Bldg. Boardroom, 5700 Almaden Expressway, San Jose, California

### **REGULAR MEETING AGENDA**

**Friday, November 1, 2024  
12:00 PM**

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

**BOARD COMMITTEE MEMBERS:**

Committee Chair:  
Director Nai Hsueh, District 5

Committee Vice Chair:  
Director Tony Esterema, District 6

Committee Member:  
Director Jim Beall, District 4

During the COVID-19 restrictions, 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 to the public through the legislative body agenda web page 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 participate in the legislative body's meeting. Please advise the Clerk of the Board Office of any special needs by calling (408) 265-2600.

**COMMITTEE LIAISON:**  
Jessica Collins

Dave Leon (COB Liaison)  
Asst. Deputy Clerk II  
DaveLeon@valleywater.org  
1-408-630-2006

**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  
Capital Improvement Program Committee**

**REGULAR MEETING  
AGENDA**

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**Friday, November 1, 2024**

**12:00 PM**

**HQ. Bldg. Boardroom, 5700 Almaden  
Expressway, San Jose, California**

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**\*\*\*IMPORTANT NOTICES AND PARTICIPATION INSTRUCTIONS\*\*\***

Santa Clara Valley Water District (Valley Water) Board of Directors/Board Committee meetings are held as a “hybrid” meetings, conducted in-person as well as by telecommunication, and is compliant with the provisions of the Ralph M. Brown Act.

To maximize public safety while still maintaining transparency and public access, members of the public have an option to participate by teleconference/video conference or attend in-person. To observe and participate in the meeting by teleconference/video conference, please see the meeting link located at the top of the agenda. If attending in-person, you are required to comply with **Ordinance 22-03 - AN ORDINANCE OF THE SANTA CLARA VALLEY WATER DISTRICT SPECIFYING RULES OF DECORUM FOR PARTICIPATION IN BOARD AND COMMITTEE MEETINGS** located at <https://s3.us-west-2.amazonaws.com/valleywater.org.if-us-west-2/f2-live/s3fs-public/Ord.pdf>

In accordance with the requirements of Gov. Code Section 54954.3(a), members of the public wishing to address the Board/Committee during public comment or on any item listed on the agenda, may do so by filling out a Speaker Card and submitting it to the Clerk or using the “Raise Hand” tool located in the Zoom meeting application to identify yourself in order to speak, at the time the item is called. Speakers will be acknowledged by the Board/Committee Chair in the order requests are received and granted speaking access to address the Board.

- Members of the Public may test their connection to Zoom Meetings at: <https://zoom.us/test>
- Members of the Public are encouraged to review our overview on joining Valley Water Board Meetings at: <https://www.youtube.com/watch?v=TojJpYCxXm0>

Valley Water, in complying with the Americans with Disabilities Act (ADA), requests individuals who require special accommodations to access and/or participate in Valley Water Board of Directors/Board Committee meetings to please contact the Clerk of the Board’s office at (408) 630-2711, at least 3 business days before the scheduled meeting to ensure that Valley Water may assist you.

This agenda has been prepared as required by the applicable laws of the State of California, including but not limited to, Government Code Sections 54950 et. seq. and has not been prepared with a view to informing an investment decision in any of Valley Water’s

bonds, notes or other obligations. Any projections, plans or other forward-looking statements included in the information in this agenda are subject to a variety of uncertainties that could cause any actual plans or results to differ materially from any such statement. The information herein is not intended to be used by investors or potential investors in considering the purchase or sale of Valley Water's bonds, notes or other obligations and investors and potential investors should rely only on information filed by Valley Water on the Municipal Securities Rulemaking Board's Electronic Municipal Market Access System for municipal securities disclosures and Valley Water's Investor Relations website, maintained on the World Wide Web at <https://emma.msrb.org/> and <https://www.valleywater.org/how-we-operate/financebudget/investor-relations>, respectively.

Under the Brown Act, members of the public are not required to provide identifying information in order to attend public meetings. Through the link below, the Zoom webinar program requests entry of a name and email address, and Valley Water is unable to modify this requirement. Members of the public not wishing to provide such identifying information are encouraged to enter "Anonymous" or some other reference under name and to enter a fictional email address (e.g., attendee@valleywater.org) in lieu of their actual address. Inputting such values will not impact your ability to access the meeting through Zoom.

**Join Zoom Meeting:**

**<https://valleywater.zoom.us/j/94158013374>**

**Meeting ID: 941 5801 3374**

**Join by Phone:**

**1 (669) 900-9128, 94158013374#**

**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: Members of the public who wish to address the Board/Committee on any item not listed on the agenda may do so by filling out a Speaker Card and submitting it to the Clerk or using the "Raise Hand" tool located in the Zoom meeting application to identify yourself to speak. Speakers will be acknowledged by the Board/Committee Chair in the order requests are received and granted speaking access to address the Board/Committee. Speakers' comments should be limited to three minutes or as set by the Chair. The law does not permit Board/Committee action on, or extended discussion of, any item not on the agenda except under special circumstances. If Board/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 Board/Committee may take action on any item of business appearing on the posted agenda.*

**3. APPROVAL OF MINUTES:**

3.1. Approval of September 16, 2024 Capital Improvement Program Committee Minutes. [24-0982](#)  
Recommendation: Approve the minutes.  
Manager: Candice Kwok-Smith, 408-630-3193  
Attachments: [Attachment 1: 091624 CIP Committee Draft Minutes](#)

**4. REGULAR AGENDA:**

4.1. Overview of the Initially Validated and Currently Unfunded Capital Projects. [24-0774](#)  
Recommendation: A. Review list of Initially Validated and Currently Unfunded Capital Projects; and  
B. Provide feedback as necessary.  
Manager: Luz Penilla, 408-630-2228  
Attachments: [Attachment 1: PowerPoint](#)  
[Attachment 2: Initially Validated/Unfunded Projects](#)

4.2. Receive and Discuss Information Regarding the Status of Capital Projects in the Feasibility and Planning Phase. [24-0656](#)  
Recommendation: Receive and discuss information regarding the status of capital projects in the feasibility and planning phase.  
Manager: Ryan McCarter, 408-630-2983  
Kirsten Struve, 408-630-3138  
Luz Penilla, 408-630-2228  
Emmanuel Aryee, 408-630-3074  
Bhavani Yerrapotu, 408-630-2735  
Lisa Bankosh, 408-630-2618  
Tony Ndah, 408-630-2208  
Attachments: [Attachment 1: Feasibility and Planning Report](#)

4.3. Receive and Discuss Information Regarding the Status of Capital Projects in the Design and Permitting Phase. [24-0665](#)  
Recommendation: Receive and discuss information regarding the status of capital projects in the design and permitting phase.  
Manager: Bhavani Yerrapotu, 408-630-2735  
Emmanuel Aryee, 408-630-3074  
Ryan McCarter, 408-630-2983  
Tony Ndah, 408-630-2208  
Attachments: [Attachment 1: Design and Permitting Report](#)

4.4. Receive Information on Change Orders to Anderson Dam Tunnel Project Construction Contract. 24-0661

Recommendation: Receive information on Change Orders to Anderson Dam Tunnel Project Construction Contract.

Manager: Ryan McCarter, 408-630-2983

Attachments: [Attachment A: Government Code § 84308: Flatiron West, Inc.](#)

[Attachment 1: Construction Contract Change Orders Status](#)

[Attachment 2: Construction Contract Financial Status](#)

4.5. Review 2024 Capital Improvement Program Committee Work Plan. 24-0653

Recommendation: Review the 2024 Capital Improvement Program Committee Work Plan and make adjustments as necessary.

Manager: Candice Kwok-Smith, 408-630-3193

Attachments: [Attachment 1: 2024 CIP Committee Work Plan](#)

**5. 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.*

**6. ADJOURN:**

6.1. Adjourn to Regular Meeting at 11:00 a.m. on December 16, 2024.

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# Santa Clara Valley Water District

File No.: 24-0982

Agenda Date: 11/1/2024

Item No.: 3.1.

## COMMITTEE AGENDA MEMORANDUM Capital Improvement Program Committee

Government Code § 84308 Applies: Yes  No   
(If "YES" Complete Attachment A)

**SUBJECT:**

Approval of September 16, 2024 Capital Improvement Program Committee Minutes.

**RECOMMENDATION:**

Approve the minutes.

**SUMMARY:**

In accordance with the Ralph M. Brown Act, a summary of Committee discussions, and details of all actions taken by the Capital Improvement Program Committee, during all open and public Committee meetings, is transcribed and submitted to the Committee for review and approval.

Upon Committee approval, minutes transcripts are finalized and entered into the Committee's historical record archives and serve as the official historical record of the Committee's meeting.

**ATTACHMENTS:**

Attachment 1: 091624 CIP Committee Draft Minutes

**UNCLASSIFIED MANAGER:**

Candice Kwok-Smith, 408-630-3193

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CAPITAL IMPROVEMENT COMMITTEE MEETING

# DRAFT MINUTES

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## REGULAR MEETING

**MONDAY, September 16, 2024**  
**11:00 AM**

(Paragraph numbers coincide with agenda item numbers)

### **1. CALL TO ORDER:**

A regular meeting of the Santa Clara Valley Water District (Valley Water) Capital Improvement Committee (Committee) was called to order in the Valley Water Headquarters Building Boardroom at 5700 Almaden Expressway, San Jose, California, and by Zoom teleconference, at 11:00 a.m.

#### 1.1 Roll Call.

Committee members in attendance were District 4 Director Jim Beall, District 6 Director Tony Estremera, Vice Chairperson, and District 5 Director Nai Hsueh, Chairperson presiding, constituting a quorum of the Committee.

Staff members in attendance were: Gina Adriano, Emmanuel Aryee, Erin Baker, Sarah Berning, Mark Bilski, Wade Blackard, Lisa Bankosh, Audrey Beaman, Rick Callender, Rita Chan, Isela Chaparro, Theresa Chinte, Jen Codianne, Jessica Collins, Enrique De Anda, Jiana Escobar, Alicia Fraumeni, Collette Frawley, Meenakshi Ganjoo, Jaeho Hahn, Chris Hakes, Cody Houston, Candice Kwok-Smith, Michele King, Emelia Lamas, Cecil Lawson, Dave Leon, Jennifer Martin, Ryan McCarter, Patrice McElroy, Carmen Narayan, Tony Ndah, Carlos Orellana, Leslie Orta, Luz Penilla, Alison Phagan, Diahann Hudson Soleno, Darin Taylor, Odilia Teixeira, Cheryl Togami, Jose Villarreal, Bhavani Yerrapotu, and Tina Yoke.

Public in attendance were: Molly Culton, Helen H, iPhone 58, Jason, My, Forest Olaf Peterson, Rebecca, Rick, John Varela, and Wat051158.

## **2.TIME OPEN FOR PUBLIC COMMENT ON ANY ITEM NOT ON THE AGENDA:**

Chairperson Hsueh declared time open for public comment on any item not on the agenda. There was no one who wished to speak.

## **3.APPROVAL OF MINUTES:**

- 3.1. Approval of August 19, 2024 Capital Improvement Program Committee Meeting Minutes.

Recommendation: Approve the minutes.

The Committee considered the attached minutes of the August 19, 2024 Committee meeting.

Public Comments: None.

It was moved by Vice Chairperson Estremera and seconded by Director Beall, and unanimously carried that the minutes be approved.

## **Regular Agenda:**

- 4.1. Receive an overview of the annual Capital Improvement Program (CIP) Development Process, the CIP FY 2025-29 Five-Year Plan capital projects by Fund and Funding Categories, and the Integrated Financial Planning Schedule.

Recommendation:

- A. Receive an overview of the annual Capital Improvement Program Development Process;
- B. Review the CIP FY 2025-29 Five-Year Plan capital projects by Fund and Funding Categories;
- C. Review the Integrated Financial Planning Schedule;

and

- D. Provide Feedback as Necessary

Luz Penilla reviewed the information on this item, per the attached Committee Agenda Memo, and the corresponding presentation materials contained in Attachments 1 and 2. Luz Penilla, Jessica Collins, Darin Taylor, and Carmen Narayan were available to answer questions.

Public Comments: None.

The Committee received the information, took no formal action, and requested that staff investigate the feasibility of providing revenue information to the Committee in November rather than December.

4.2. Consider and Recommend to the full Board the Best Value Construction Contractor Selection Method for the Anderson Dam Seismic Retrofit Project (ADSRP) and Receive Information on Staff's Recommended Procurement Plan to Select the ADSRP Construction Contractor.

Recommendation:

- A. Consider and recommend to the full Board the Best Value Construction Contractor Selection Method for the Anderson Dam Seismic Retrofit Project (ADSRP); and
- B. Receive information on staff's recommended Procurement Plan to select the ADSRP construction contractor.

Ryan McCarter reviewed the information on this item, per the attached Committee Agenda Memo, and the corresponding presentation materials contained in Attachment 1, and was available to answer questions.

Public Comments: None.

It was moved by Vice Chairperson Estremera and seconded by Director Beall, and unanimously carried to forward the information to the Board for consideration on October 8, 2024.

4.3. Receive and Discuss Information Regarding the Status of Capital Projects in the Construction Phase.

Recommendation: Receive and Discuss Information Regarding the status of capital projects in the construction phase.

Emmanuel Aryee, Ryan McCarter, Bhavani Yerrapotu, and Cecil Lawson reviewed the information on this item, per the attached Committee Agenda Memo, and the corresponding presentation materials contained in Attachment 1 were reviewed by staff per the row and Deputy's initials as follows: Emmanuel Aryee reviewed rows marked EA, Ryan McCarter reviewed rows marked RM, Bhavani Yerrapotu reviewed rows marked BY, and Cecil Lawson reviewed rows marked CL. Emmanuel Aryee, Ryan McCarter, Bhavani Yerrapotu, and Cecil Lawson were available to answer questions.

Public Comments: None.

The Committee received the information, took no formal action, and requested that staff confirm the timeline for planned establishment period relating to the Watershed Asset Rehabilitation Program.

**4.4. Receive Information on Change Orders to Anderson Dam Tunnel Project Construction Contract.**

Recommendation: Receive information on Change Orders to Anderson Dam Tunnel Project Construction Contract.

Ryan McCarter reviewed the information on this item, per the attached Committee Agenda Memo, and the corresponding presentation materials contained in Attachments 1 and 2 and was available to answer questions.

Public Comments: None.

The Committee received the information and took no formal action.

**4.5. Receive Information on Upcoming Consultant Agreement Amendments for Capital Projects.**

Recommendation: Receive information on upcoming consultant agreement amendments for capital projects.

Ryan McCarter reviewed the information on this item, per the attached Committee Agenda Memo, and the corresponding presentation materials contained in Attachment 1, and was available to answer questions.

Public Comments: None.

It was moved by Vice Chairperson Estremera and seconded by Director Beall, and unanimously carried to forward the Amendment to the Board for approval.

**4.6. Review 2024 Capital Improvement Program Committee Work Plan.**

Recommendation: Review the 2024 Capital Improvement Program Committee Work Plan and make adjustments as necessary.

The Committee considered this item without a staff presentation.

Public Comments: None.

The Committee received the information, took no formal action, and requested the removal of the Rinconada Water Treatment Plant Reliability Improvement Project neighborhood outreach item from the work plan, and that staff provide that information as part of the construction phase updates.

## **5. 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.*

The Committee took no action.

## **6. Adjourn:**

6.1. Adjourn to Regular Meeting at 11:00 a.m. on October 21, 2024.

Chairperson Hsueh adjourned the meeting at 12:12 p.m.

Dave Leon  
Assistant Deputy Clerk II

Date Approved:

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# Santa Clara Valley Water District

File No.: 24-0774

Agenda Date: 11/1/2024

Item No.: 4.1.

## COMMITTEE AGENDA MEMORANDUM Capital Improvement Program Committee

Government Code § 84308 Applies: Yes  No   
(If "YES" Complete Attachment A - Gov. Code § 84308)

### SUBJECT:

Overview of the Initially Validated and Currently Unfunded Capital Projects.

### RECOMMENDATION:

- A. Review list of Initially Validated and Currently Unfunded Capital Projects; and
- B. Provide feedback as necessary.

### SUMMARY:

The annual update of the Capital Improvement Program (CIP) Five-Year Plan includes project plan updates for all existing capital projects and a Validation Process to review and evaluate potential new capital projects for inclusion in the CIP, along with review points for the CIP Committee and decision points for the Board.

### ***CIP Development Process Overview***

Each year, Santa Clara Valley Water District (Valley Water) staff can submit new projects to be considered for inclusion in Valley Water's CIP. For each potential new project, staff develops a business case to compare capital, non-capital, and non-asset alternative solutions; evaluates the lifecycle costs of these solutions; and identifies a recommended solution that minimizes lifecycle cost while balancing service levels and risk.

From May through September, staff submits the business case for review by their respective Deputy Operating Officer (DOO) or Deputy Administrative Officer (DAO). If staff's respective DOO/DAO approves the project, it is submitted to the CIP coordinator. Simultaneously, project managers update their existing capital projects to reflect changes to scope, schedule, and project cost/planned expenditures, which are also subject to approval by the respective DOO/DAO.

Between October and November each year, these newly proposed, initially validated projects will be

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presented to the CIP Committee and Board, along with a list of currently unfunded projects that have been validated during prior years, for review and comment. Committee and Board feedback will be considered when preparing the funding scenarios for the CIP Preliminary Five-Year Plan.

### ***Newly Implemented Funding Categories***

As funding constraints due to rising capital costs continue to be addressed, and in response to recent recommendations from the CIP Performance Audit, staff has developed Funding Categories to enhance the Funding Filters tool.

Categories 1 and 2 focus on further prioritizing existing infrastructure projects based on their Business Risk Exposure (BRE) scores as assigned in the Asset Management Plan (AMP). Category 3 applies to existing infrastructure projects with a lower risk of failure and new infrastructure projects.

Further details of the three Categories are as follows:

#### **1. Category 1: 19 points**

Category 1 Projects meet Valley Water's objectives to repair/replace its existing infrastructure within certain timeframes, targeting the inclusion of projects with an AMP BRE score that is 88 and have public health and safety benefits. In addition, projects currently in the construction phase or externally mandated (required by law, regulation, federal order, lawsuit, etc.) are automatically included in Category 1.

#### **2. Category 2: 13-18.5 points**

Category 2 Projects meet Valley Water's objectives to repair/replace its existing infrastructure within certain timeframes, targeting the inclusion of projects with an AMP BRE score between 76-87 and have public health and safety benefits.

#### **3. Category 3: 12.5**

Category 3 Projects have a lower risk of failure and an AMP BRE score of 75, which includes existing infrastructure projects and new infrastructure projects, as identified/prioritized in Valley Water's Master Plans and Program Plans. In addition, small capital improvement projects and placeholder projects are automatically included in Category 3.

Valley Water's CIP Five-Year Plan includes projects that meet the criteria for all three Categories, all of which are critical to meeting Valley Water's mission. In alignment with Ends Policies, the Board may approve the funding of projects in any category.

Each of the Initially Validated/Unfunded existing infrastructure projects have been ranked based on points received according to the funding filters and BRE scores. New infrastructure projects are automatically placed in Category 3, as referenced above.

### ***Initially Validated Unfunded Projects***

There are 11 unfunded projects for the Board's consideration this CIP Development Cycle; four

initially validated projects and seven previously validated/currently unfunded projects. Project descriptions of each of the Initially Validated Projects are included in the PowerPoint (Attachment 1). For a high-level overview of the Initially Validated Unfunded Projects List, see the table below (Attachment 2):

Project Name	Estimated Total Project Cost (\$ thousands w/inflation)	Phase	Potential Funding Source	FY 2024-25 Funding Category
<b>FY 2023-24 Initially Validated Projects</b>				
Coyote Dam Seismic Retrofit	\$406,400	Planning	Fund 61	Category 1 - Existing Infrastructure
Pipeline Maintenance Program*	\$53,730	Plan/Design/Const.	Fund 61	Category 2 - Existing Infrastructure
Almaden-Calero Canal Rehabilitation - Phase II	\$12,950	Planning	Fund 61	Category 3 - Existing Infrastructure
Enterprise Resource Planning (ERP) System Replacement	\$33,508	Planning	Fund 73	Category 3 - Existing Infrastructure
<b>Current Unfunded Projects</b>				
Llagas Creek - Lower, Capacity Restoration, Buena Vista Road to Pajaro River	\$98,831**	Planning	Fund 12	Category 1 - Existing Infrastructure
Permanente & Hale Creek Concrete Replacement	\$20,810	Design	Fund 12	Category 1 - Existing Infrastructure
Calabazas/San Tomas Aquino Creek Marsh Connection - Construction (ONLY)	\$34,562	Construction	Fund 12	Category 2 - Existing Infrastructure
Pond A4 - Phase 2 (Construction ONLY)	\$32,128	Construction	Fund 12	Category 3 - NEW Infrastructure
South Babb Flood Protection - Long-Term	\$22,070	Planning	Fund 12	Category 3 - Existing Infrastructure
Alamitos Operable Dam Replacement	\$9,810	Planning	Fund 61	Category 3 - Existing Infrastructure
Palo Alto Purified Water Project (PAPWP)	\$1,097,076***	Planning	Fund 61	Category 3 - NEW Infrastructure

\* Renewal of the 10-yr Pipeline Inspection and Rehabilitation Project (sunsets in FY27)

\*\* Llagas Capacity has prior year actuals = \$6,947, TPC = \$105,778

\*\*\* PAPWP Fund 61 unfunded cost is \$14,633,000; Public Private Partnership (P3 contribution for PAPWP) is \$1,082,443,000

### **Annual Process for Development of the CIP Preliminary Five-Year Plan**

**Project Plans updated annually.** Every year, capital project managers update their project plans to reflect changes to project scope, schedule, and cost. In the fall of each year, CIP and Finance staff compile the data from existing CIP project plans, collect the operational forecast information, and run the financial models.

**Board consideration for removal or inclusion of projects in the CIP.** Due to increasing capital costs, Valley Water's Funds are facing constraints. To address this, staff has introduced a new step in the CIP Development Process. This new step allows the Board to consider the total list of currently adopted capital projects and validated unfunded list of projects for feedback and consideration regarding inclusion or removal from the CIP FY 2026-30 Five-Year Plan.

On October 8, 2024, the Board was presented with the list of CIP FY 2025-29 Five-Year Plan capital projects by Fund and Funding Categories. Staff will return on November 12, 2024, to present this year's list of validated unfunded projects and request input on whether the Board wants to remove any currently funded projects or include any initially validated/unfunded capital projects in the next CIP Five-Year Plan (FY2026-30). Feedback from the Board will assist staff in developing scenarios for financial analysis and preliminary CIP recommendations.

**Staff analysis and recommendations.** The CIP Evaluation Team (Chief Executive Officer (CEO), Assistant CEO, Chiefs and Deputies of the divisions initiating, delivering, implementing, and operating capital projects) will then meet in November to consider the Board's feedback and review the financial models. The Team will determine which, if any, unfunded projects should be

recommended for inclusion and whether any of the currently funded capital projects should be recommended for removal or placement on the unfunded list for the next CIP Five-Year Plan being developed.

To ensure Valley Water's high-priority business needs are met in adherence to Board policy, the CIP Evaluation team reviews the projects based upon:

- Board Priorities
- Asset's remaining lifespan
- Available funding
- Urgency of investment

**CIP Committee review and feedback.** Based upon the outcome of its review, the CIP Evaluation Team will provide recommendations regarding whether any projects should be recommended for inclusion, removal, or placement on the unfunded list for the next CIP Five-Year Plan being developed. Funding scenarios that include these recommendations will be presented to the CIP Committee for review and feedback in December, along with the CIP Preliminary FY 2026-30 Five-Year Plan. In addition, the CIP Committee will receive an overview of the significant project plan updates from prior year's Board-adopted CIP FY 2025-29 Five-Year Plan.

**Board direction.** Each January, CIP and Finance staff update the funding scenarios to include staff and CIP Committee recommendations, which will be presented to the full Board during a Funding Scenario Workshop, as part of the CIP Preliminary Five-Year Plan and Groundwater Charges item. Each year, direction regarding capital project funding is provided by the Board through its approval of CIP Preliminary Five-Year Plan.

#### **ENVIRONMENTAL JUSTICE IMPACT:**

There are no Environmental Justice impacts associated with this item.

#### **ATTACHMENTS:**

Attachment 1: PowerPoint  
Attachment 2: Initially Validated/Unfunded Projects

#### **UNCLASSIFIED MANAGER:**

Luz Penilla, 408-630-2228



Development of the CIP Preliminary FY 2026-2030 (FY 26-30) Five-Year Plan

## Overview of Initially Validated and Unfunded Projects

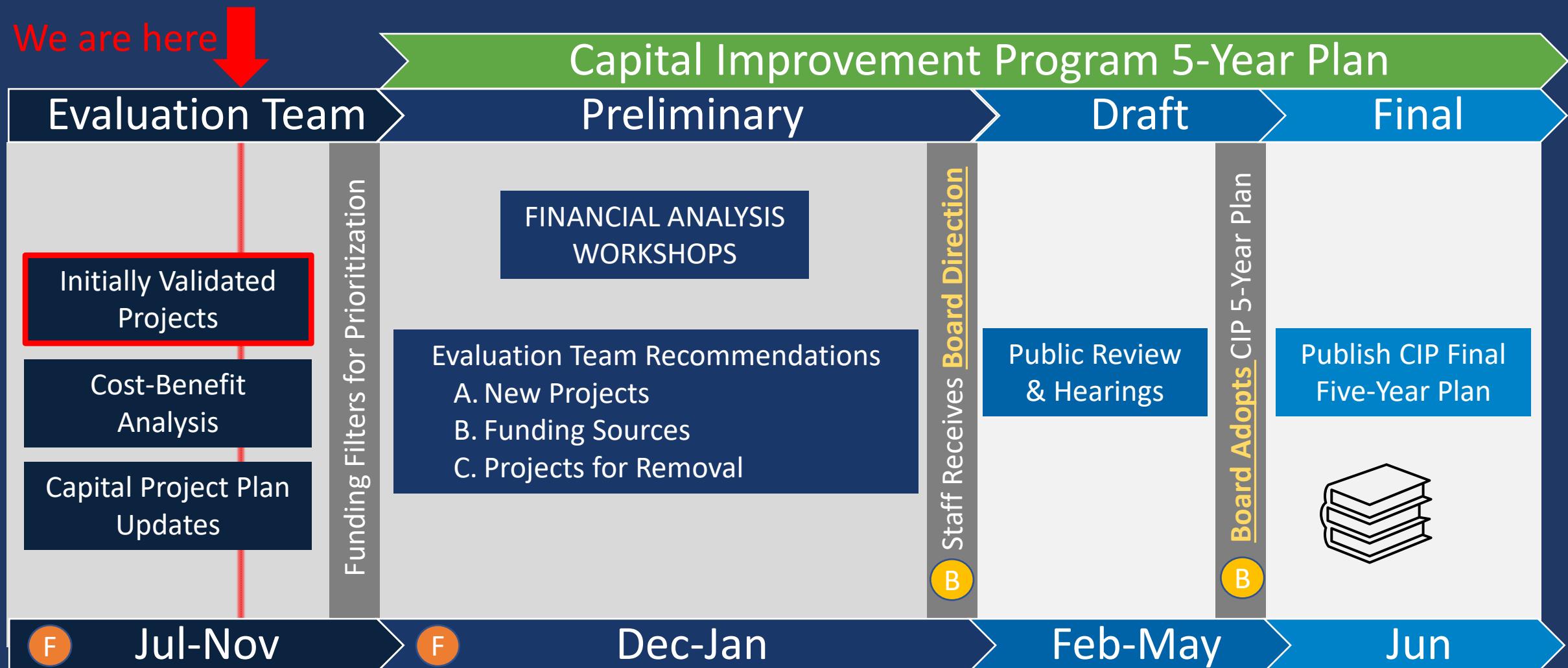
Presented by:  
Luz Penilla, Assistant Officer - Office of Integrated Water Management

# Presentation Outline

- 1. Annual CIP 5-Year Plan Timeline**
- 2. Unfunded Project List**
  - A. FY 2024-25 Initially Validated Projects**
  - B. Current Unfunded Capital Projects**
- 3. Overview of FY 2024-25 Initially Validated Projects**
- 4. Next Steps**



# Annual CIP 5-Year Plan Timeline



# Initially Validated and Currently Unfunded Projects

Project Name	Estimated Total Project Cost (\$ thousands w/inflation)	Phase	Potential Funding Source	FY 2024-25 Funding Category
<b>FY 2023-24 Initially Validated Projects</b>				
Coyote Dam Seismic Retrofit	\$406,400	Planning	Fund 61	Category 1 - Existing Infrastructure
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\* Renewal of the 10-yr Pipeline Inspection and Rehabilitation Project (sunsets in FY27)

\*\* Llagas Capacity has prior year actuals = \$6,947, TPC = \$105,778

\*\*\* PAPWP Fund 61 unfunded cost is \$14,633,000; Public Private Partnership (P3 contribution for PAPWP) is \$1,082,443,000

# Pipeline Maintenance Program

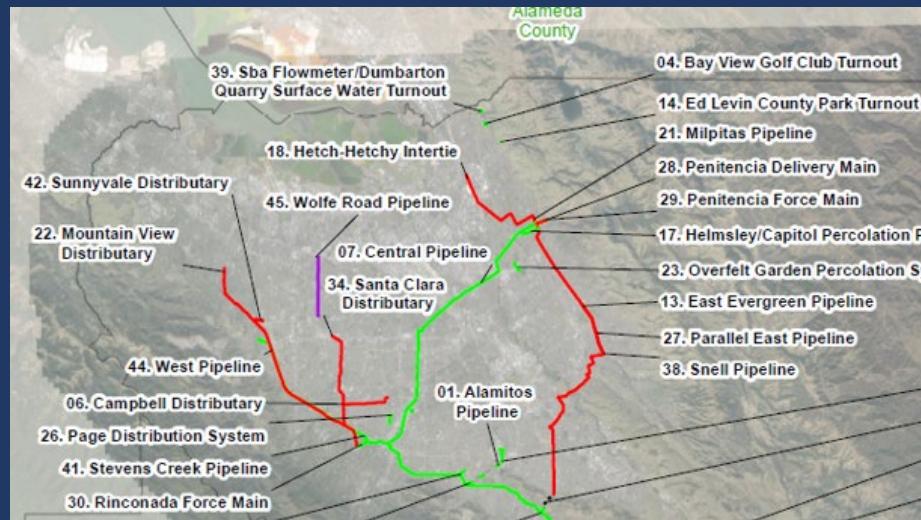
**TPC:** \$53.7M

**Funding:** Fund 61

**Duration:** 10 Years

**Location:** Santa Clara County

## Proposed Project Sites



## Program's Projects



## Objectives:

1. Conduct dewatering and inspect Valley Water pipelines and tunnels
2. Assess condition; maintain, repair, and coat as necessary
3. Fix or replace distressed pipe sections
4. Update line valves, flow meters, and piping
5. Update Pipeline Maintenance Program and Environmental Impact Report for future efforts

# Pipeline Maintenance Program

## Background:

1. Continuation of 10-Year Pipeline Inspection and Rehabilitation (I&R) Program
2. Aging pipelines need to be inspected and rehabilitated
3. Updated Pipeline Maintenance Program (PMP) that guides and oversees the Program
4. Efforts are aligned with existing long-term forecast and modeling

## Benefits:

1. Reduces risk of catastrophic failures
2. Saves Valley Water money from costly unplanned emergencies
3. Provides a programmatic approach to addressing Valley Water's need for large diameter pipeline renewal.

## Projected Milestones / Deliverables:

1. East Pipeline I&R Project; Design: 2-3 years, Construction: 3-5 years, two phases (TPC = \$16.4M)
2. Penitencia Delivery Main/Force Main I&R Project; Design: 1-2 years, Construction: 2 years (TPC = \$5.3M)
3. Santa Teresa Force Main I&R Project; Design: 1-2 years, Construction: 3 years (TPC = \$3.4M)
4. Milpitas Pipeline Project; Design: 1-2 years, Construction: 3-4 years (TPC = \$16.0M)
5. Santa Clara & Campbell Distributary I&R Project; Design: 2-3 years, Construction: 1 year (TPC = \$12.6M)

# Coyote Dam Seismic Stability

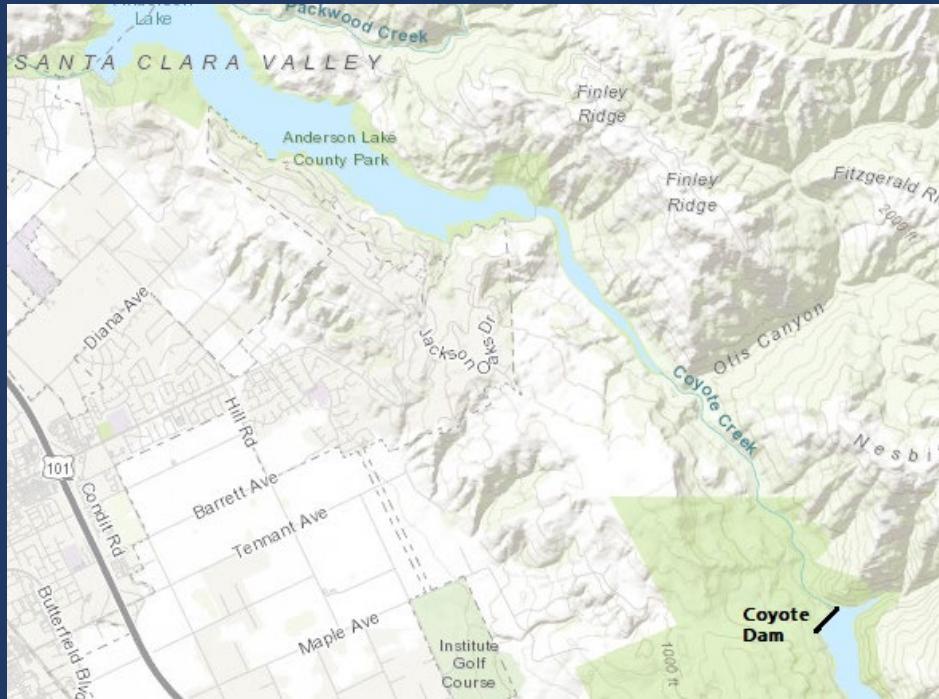
**TPC:** \$406.4 M

**Funding:** Funds 61

**Duration:** 10-12 Years

**Location:** Morgan Hill, CA

Upstream of the Anderson Dam



Calaveras Fault crossing embankment



## Objectives:

1. Enhance dam safety by installing a downstream filter and drainage system to address seismic-related cracking risks
2. Replace the downstream alluvium foundation which is prone to liquefaction
3. Modify spillway to manage Probable Maximum Flo<sub>25</sub>d events

# Coyote Dam Seismic Stability

## **Background:**

1. 1992: Capacity of Anderson Reservoir limited to ~53% (23,244 ac-ft) due to risk of Coyote Dam collapse, enforcing a 19-ft operational limit
2. 2013: Spillway cannot manage Probable Maximum Flood per Hydrometeorological Report 58/59 standards

## **Benefits:**

1. Ensures safety by addressing Coyote Dam failure risks impacting Anderson Dam
2. Compliance with regulations, enabling a 10,862 ac-ft yearly increase in water supply

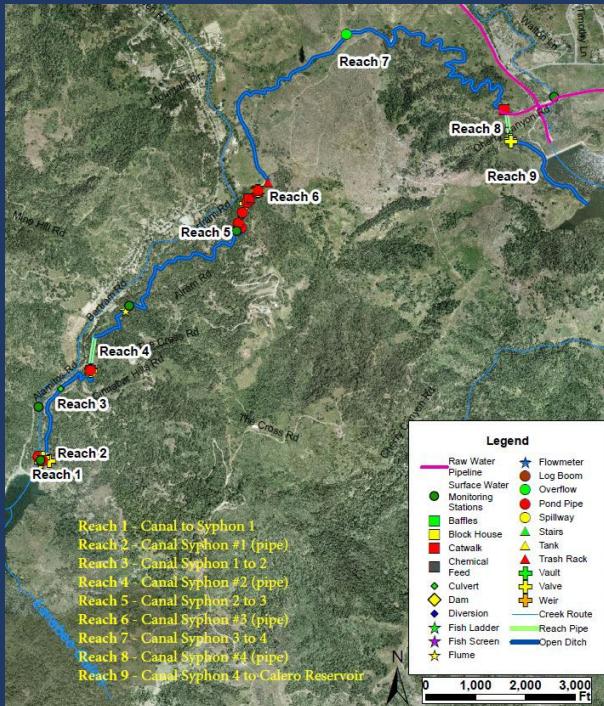
## **Projected Milestones / Deliverables:**

1. Planning: 3 Year
2. Design: 5 Years
3. Construction: 4 Years

# Almaden-Calero Canal Improvement – Phase II

**TPC:** \$13.0 M  
**Funding:** Fund 61  
**Duration:** 5 Years  
**Location:** San José, CA

**Project Location:** Almaden-Calero Canal (1934) from Almaden Reservoir to Calero Reservoir



## Objectives:

1. Stabilize landslides along the 4.4-mile long Almaden-Calero Canal
2. Minimize sediment input into the canal
3. Improve access for operations and maintenance crews

**Project Site:** Reach 6 of the canal



# Almaden-Calero Canal Improvement – Phase II

## **Background:**

1. Canal is used to transfer water from Alamitos Creek watershed to Calero Reservoir.
2. Landslide-derived sediments and rock debris reduce the canal's efficiency by impacting its capacity.
3. Restricted capacity inhibits Valley Water from fully exercising the canal's 6,000-acre-foot water right
4. An underutilized water right often leads to the purchase of additional, expensive imported water
5. The narrow and failing maintenance road poses a risk to operations and maintenance personnel

## **Benefits:**

1. Enhanced water transfer capabilities from Almaden Reservoir to Calero Reservoir will support groundwater basin replenishment and fulfill treated water demands more efficiently
2. Augmenting Calero Reservoir's water supply will bolster environmental release capabilities, aligning with FAHCE-plus
3. Improved canal reliability and operability will secure water transfer processes
4. Reduce risk of canal overtopping that can damage neighboring properties
5. Financial savings to Water Utility Enterprise and ratepayers

## **Projected Milestones / Deliverables:**

Planning: ~ 2 Years; Design: ~1 Year; Construction: ~2 Years

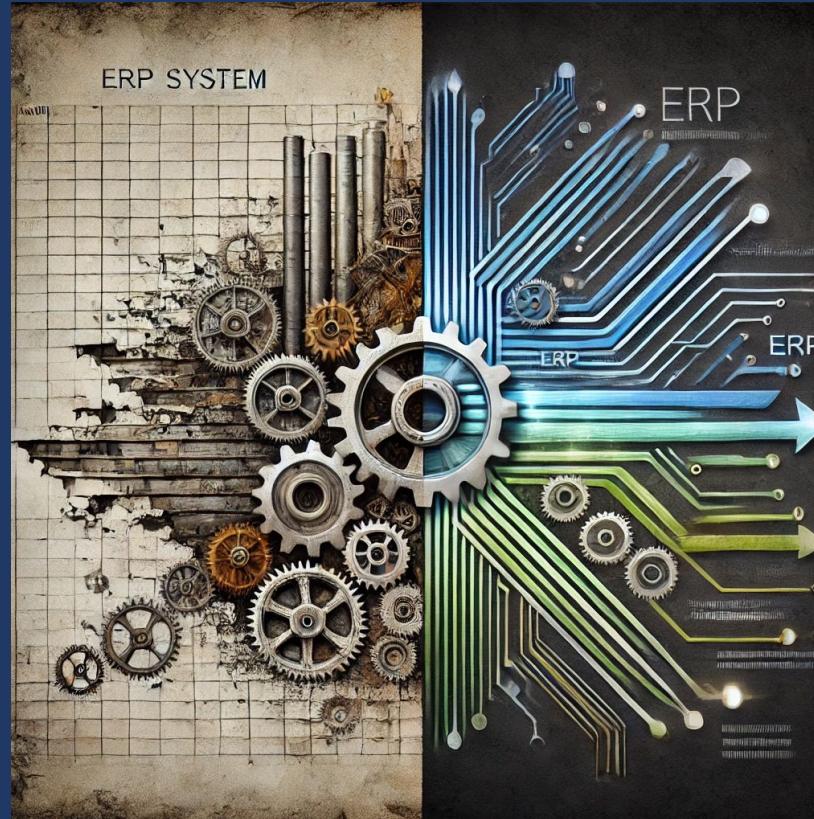
# ERP System Replacement Project

TPC: \$33.5 M

Funding: Fund 73

Duration: 3-4 Years

Location: San Jose, CA



## Objectives:

1. Provide an Enterprise Resource Planning (ERP) system to eliminate inefficiencies
2. Replace Infor with a new ERP system
3. Simplify usability for employees, interns, and temps

# ERP Replacement Project

## Background:

1. Infor CloudSuite went live in 2022
2. Infor Cloudsuite has failed to stabilize, leading to usability and functionality issues
3. Infor has not met the efficiencies that were expected from a modern cloud-based ERP system

## Benefits:

1. Improves support for Valley Water operations and processes
2. Ensures accurate data and analysis capability
3. Improves usability leading to increased efficiencies

## Projected Milestones / Deliverables:

1. System and selection process complete – Q3 FY26
2. Planning/Design Phase: ~1 Year
3. Construction Phase: ~3 Year

# Next Steps: Integrated Financial Planning Schedule

REF #	MEETING		MILESTONE
	CIP CMTE	BOARD	
1	9/16/24		Annual CIP Development Process Overview/Funding Filters for Prioritization Presentation/Integrated Financial Planning Calendar/Review of CIP FY25-29 Five-Year Plan Projects by Category
2		10/08/24	Annual CIP Development Process Overview/Funding Filters for Prioritization Presentation/Integrated Financial Planning Calendar/Review of CIP FY25-29 Five-Year Plan Projects by Category
3	11/1/24 		New Initially Validated & Unfunded Projects Presentation
4		11/12/24	New Initially Validated & Unfunded Projects Presentation/Receive Board Feedback Regarding CIP FY25-29 Five-Year Plan Projects, and New & Unfunded Projects for Inclusion in CIP Preliminary FY26-30 Plan Water Rate Planning Overview Biennial Budget Process Overview
5	12/16/24		CIP Preliminary Five-Year Plan Funding Workshop (Financial Modeling & CIP Updates From Adopted FY25-29 Plan)
6		1/14/25	Five-Year WS & WU O&M Plans CIP Preliminary 5-yr Plan Workshop (Financial Modeling & Significant Updates); Board to Provide Direction CIP SCW/WS Preliminary 10-yr Financial Analysis Preliminary Water Rate Analysis & Scenarios
7		1/28/25	SCW Public Hearing (If Required) 1 <sup>st</sup> Pass Budget Update
8		2/25/25	Draft CIP (Authorize to Distribute for Public Review)
9		3/11/25	2 <sup>nd</sup> Pass Budget Update
10		4/5/25	Ground Water Charge Public Hearings Begin CIP Public Hearing Begins (Optional Date 4/23)
11		4/10/25	Ground Water Charge Public Hearing in South County (Gilroy)
12		4/22/25	Ground Water Charge Public Hearings Close
13		4/23/25	Budget Work-study Session
14		5/13/25	Board Adoption of Water Rates, CIP, Budget, Investment and Debt Resolutions (w/Final CIP and Budget Reports Completed by 6/30/2025)
15		6/28/24	FY25 Rate Notifications: Website and Mailers (Retailers and <b>31</b> Customers)

LEGEND
CIP
Budget
Water Rates
Safe Clean Water (SCW)
Asset Management (AM)

# CIP Five-Year Plan Available Online

SCAN THE QR CODE:



Or visit this website:  
[delivr.com/24wqn](https://delivr.com/24wqn)

# END OF PRESENTATION

## Questions & Answers



# EXTRA SLIDES

# Asset Management Program Tool (Business Risk Exposure (BRE))

# Asset Management Program- Business Risk Exposure (BRE)

<b>Consequence of Failure</b> <b>0 - 30</b> <i>(each criteria scored on a 0-to-5 scale)</i>		<b>x</b>	<b>Probability of Failure</b> <b>1 - 5</b>		<b>=</b>	<b>Business Risk Exposure (BRE)</b> <b>0 - 150</b>				
<b>Social</b> <b>(50% of CoF)</b>	<b>Environmental</b> <b>(17% of CoF)</b>		<b>Economic</b> <b>(33% of CoF)</b>	<b>CoF</b>		<b>PoF</b>	<b>CoF</b>			
Service Delivery	Community Impacts	Workplace Safety	Environmental Impacts	Financial Impacts	Impact to Reputation	1 = New or Recently Rehabilitated	30			
						2 = Good Condition, Only Minor Defects	29			
						3 = Defects Requiring Monitoring, But Fully Functional	28			
						4 = Requires Corrective Action, Functionality Threatened	27			
						5 = Failed, Unable to Satisfy LOS, Requires Immediate Action	26			

# Capital Improvement Program Tool (Funding Filters and Categories)

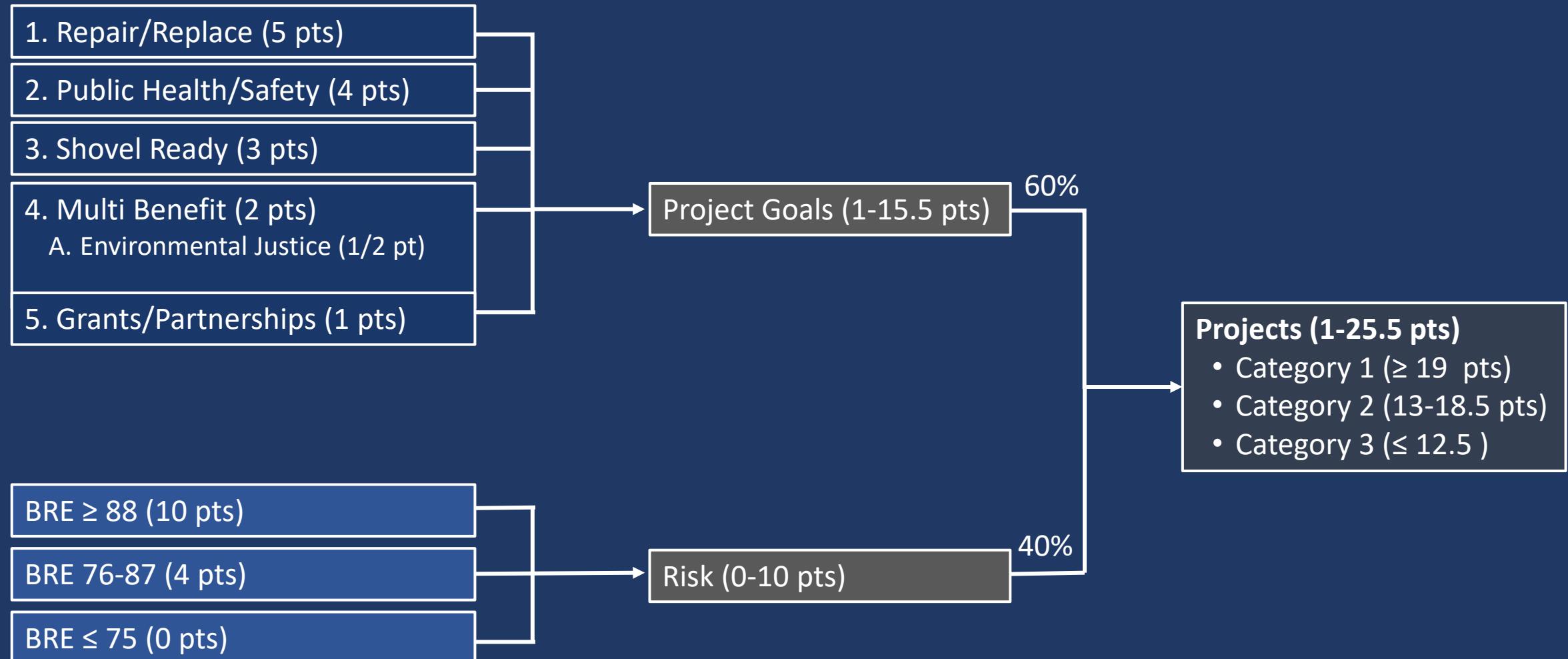
# CIP Funding Filters for Prioritization (w/Point Application)

1. Repair/Replace Existing Infrastructure Projects	<b>5 points</b>
2. Public Health and Safety Projects	<b>4 points</b>
3. Shovel Ready (Permits/Land Rights Secured) Projects	<b>3 points</b>
4. Multi-Benefit Projects	<b>2 points</b>
A. Environmental Justice Benefit Projects	<b>½ point</b>
5. Partially External-Funded (Grants/Partnerships) Projects	<b>1 point</b>



# CIP Project Funding Categories

## Scoring for Repairing and Replacing Existing Infrastructure



# CIP Project Funding Categories

## Category 1: $\geq 19$ points

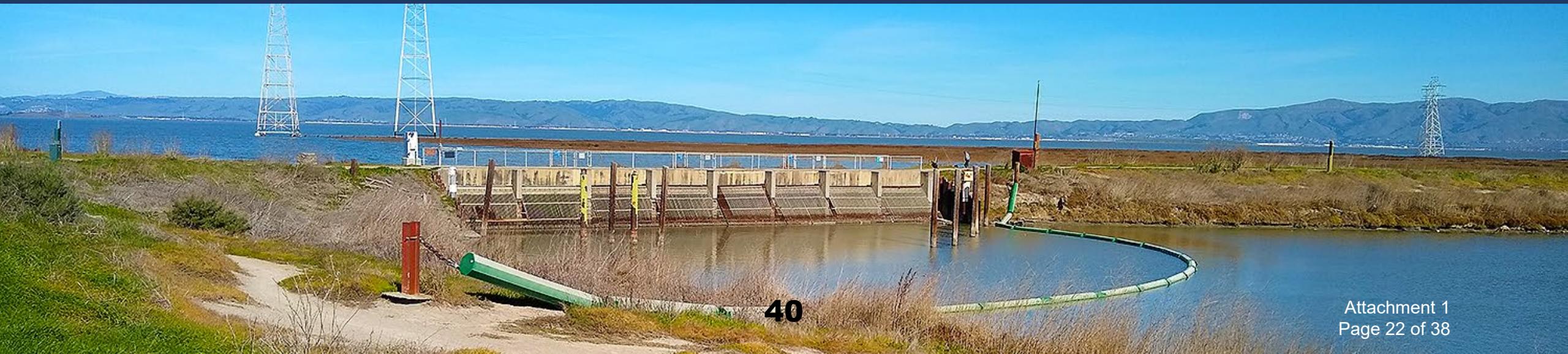
1. Repair/replace existing infrastructure
2. Risk of failure score is  $\geq 88$
3. Required for public health and safety
4. **Projects under construction or mandated (required by law, regulation, federal order, lawsuit, etc...) are automatically included in Category 1.**



# CIP Project Funding Categories

## Category 2: 13-18.5 points

1. Repair/replace existing infrastructure
2. Risk of failure score is between **76-87**
3. Required for public health and safety.



# CIP Project Funding Categories

## Category 3: $\leq 12.5$ points

1. Projects with a lower risk of failure,  $\leq 75$
2. **New infrastructure projects in the Water Supply Master Plan and One Water Plan**
3. **Small capital improvement and placeholder projects.**
  - A. Placeholder projects meet Valley Water's mission and are anticipated to be needed but may not yet have defined scopes, schedules, or funding sources.



# Current Unfunded Capital Projects (Presented in prior years)

# Permanente and Hale Creeks Concrete Replacement Project

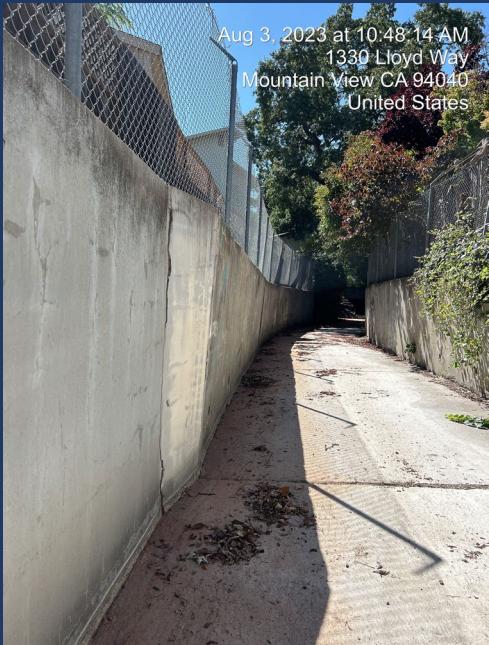
TPC: \$21 M

Funding: Fund 12/26

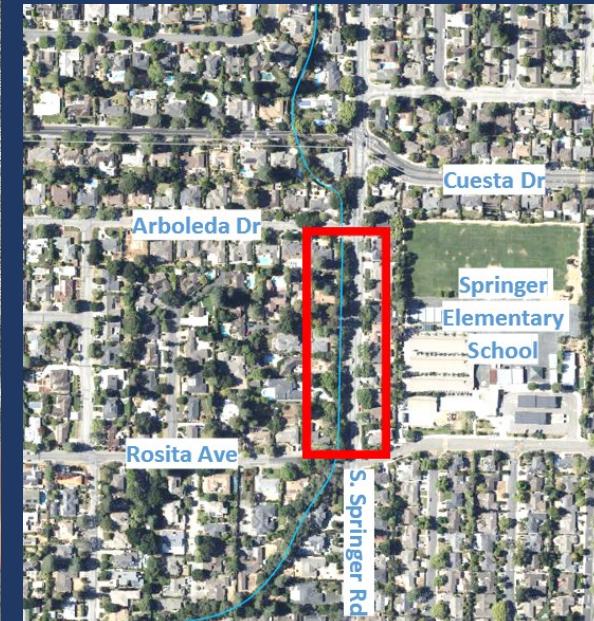
Duration: 2-3 Years

Location: Mountain View, CA and Los Altos, CA

**Permanente Creek Project Limits:** Park Drive to Mountain View Avenue



**Hale Creek Project Limits:** Arboleda Drive to Rosita Avenue



## Objectives:

1. Replace concrete U-frame channel for both creek reaches
2. Ensure existing infrastructure continues to function sustainably

# Permanente and Hale Creeks Concrete Replacement Project

## Background:

1. Concrete channel walls are over 60 years old
2. Walls show signs of deterioration (cracking/leaning).
3. Replacement will minimize risk and prevent existing walls from collapsing.

## Benefits:

1. Continue intended level of service
2. Extends and ensures the life of existing infrastructure functions sustainably
3. Achieves SCW KPI F8

## Projected Milestones / Deliverables:

1. Implement Asset Management Plans and/or Planning Studies
2. Design Phase: ~1 Year
3. Construction Phase: ~1 Year

# Alamitos Dam Replacement and Automation

**TPC:** \$10 M

**Funding:** Fund 61

**Duration:** 3-4 Years

**Location:** San Jose, CA

## Project Location:

Alamitos Diversion Dam on Guadalupe River



## Objectives:

1. Routinely operate the diversion dam to impound water during winter seasons
2. Increase use of local water rights for managed groundwater recharge
3. Reduce dependence on imported water in Alamitos Pond and the four Guadalupe Ponds
4. Eliminate the need for and risk of sending personnel and heavy equipment to creek
5. Expedite flood risk reduction response during unexpected storms

## Project Site: Installation of Flashboard Dam



# Alamitos Dam Replacement and Automation

## Background:

1. Existing wooden, flashboard dam is typically installed and removed once a year
2. During the rainy seasons, Valley Water cannot divert local water to ponds for groundwater recharge
3. Cannot fully utilize their annual recharge capacity of 8,100 acre-feet to replenish the groundwater basin

## Benefits:

1. Increases operational flexibility of the Alamitos Diversion to improve use of local water rights
2. Financial savings to Water Utility Enterprise and rate payers
3. Benefits the environment by eliminating need to dewater creek prior to sending heavy equipment

## Projected Milestones / Deliverables:

Planning ~ 1 Year; Design ~1 Year; Construction ~2 Years

# South Babb Flood Protection – Long-Term

**TPC:** \$23 M

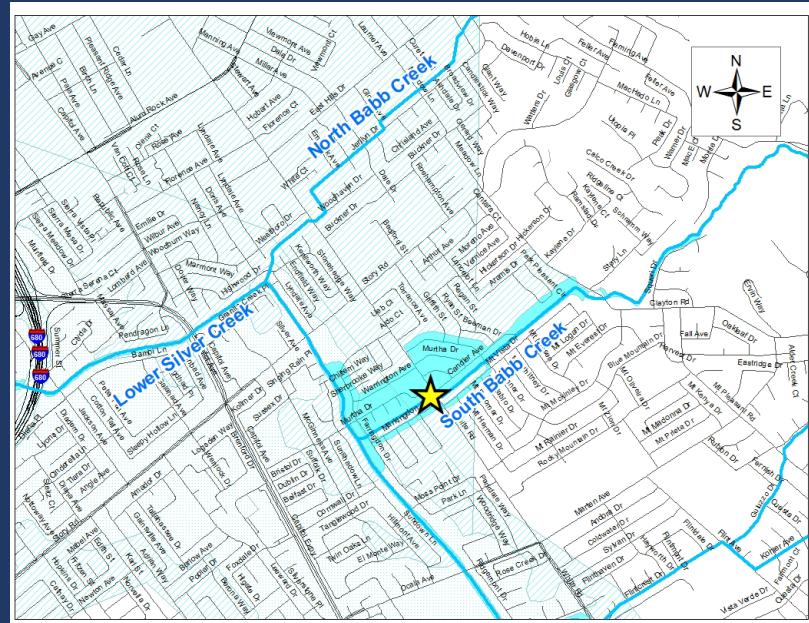
**Funding:** Funds 12

**Duration:** 5-6 Years

**Location:** San Jose, CA

## South Babb Creek:

Confluence with Lower Silver Creek to Clayton Road



## Objective:

1. Improve capacity of South Babb Creek to contain most flows during a 100-year flow event
2. Replace three bridges: Farringdon Drive, South White Road, Lochner Drive
3. Remove some areas from the 100-Year FEMA floodplain

## Farringdon Dr Crossing



# South Babb Flood Protection – Long-Term

## **Background:**

1. The 2016 Watershed Asset Management Plan recommended replacing concrete inverts along South Babb
2. No other projects would address flooding risk along South Babb

## **Benefit:**

1. Substantially reduces flooding risk during a 1% Flow event on South Babb Creek
2. May remove some areas from FEMA floodplain.

## **Projected Milestones / Deliverables:**

1. Planning: ~1 Year
2. Design : ~1- 2 Years
3. Construction: ~1 - 3 Years

# Pond A4 Phase 2 - Construction

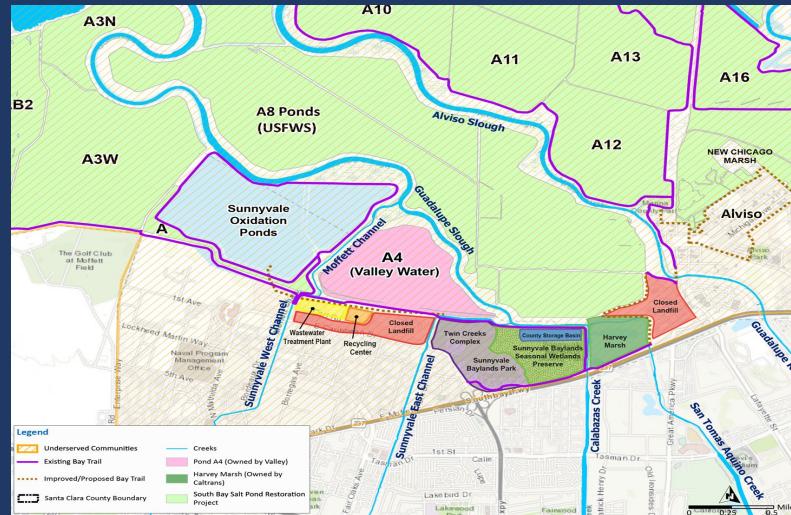
**TPC:** \$32 M

**Funding:** Funds 12

**Duration:** 15 Years

**Location:** Sunnyvale, CA

## Pond A4 Limits:



## Project Site



## Objective:

1. Restore mudflat habitat that once existed along the Bay's edge.
2. Enhance Pond A4 biodiversity and ecological function.
3. Continue Valley Water's beneficial sediment reuse along Bay shore.

# Pond A4 Phase 2 – Construction

## **Background:**

1. Pond A4 Phase 1:
  - A. Access improvements for delivering SMP sediment
2. Pond A4 Phase 2:
  - A. Create a shallow water habitat
  - B. Shallow water habitat will also serve as the foundation for the Calabazas/STA Creek-Marsh Connection Project's future ecotone, accelerating construction and reducing costs
3. Without Phase 2, Phase 1 alone won't yield habitat benefits

## **Benefits:**

1. Facilitates SMP sediment reuse to create shallow water habitats for shorebirds and endangered species
2. Establishes a foundation for future ecotone that will promote resilient flood protection in neighboring disadvantaged communities.

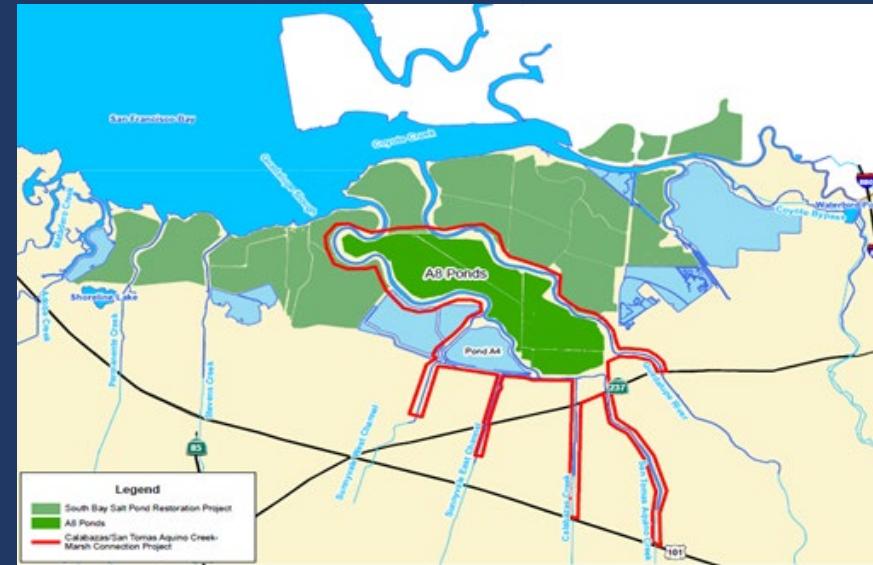
## **Projected Milestones / Deliverables:**

1. Restore ~40 acres of shallow water habitat by FY 38

# Calabazas/San Tomas Aquino Creek Marsh Connection – Construction

**TPC:** \$34.6 M  
**Funding:** Funds 12  
**Duration:** 2 years  
**Location:** San Jose, CA

## Marsh Creek Connection:



## Project Site



## Objective:

1. Ecologically restore and enhance the tidal and freshwater marsh and river habitat at the project area
2. Provide resilient flood protection that will adapt to projected sea level rise
3. Reduce maintenance needs for lower Calabazas and San Tomas Aquino creeks
4. Provide enhanced public access and trail improvement

# Calabazas/San Tomas Aquino Creek Marsh Connection – Construction

## **Background:**

1. The currently funded project includes only the planning and design phases.
2. Unfunded requests cover the construction phase, which is projected to be completed by 2029.

## **Benefits:**

1. The restored creek-marsh connection is expected to reduce routine dredging of the lower reaches of San Tomas and Calabazas Creeks and Sunnyvale E/W Channels, resulting in cost savings to the SMP program and minimizing environmental disturbances from dredging.
2. Once established, the tidal marsh will adapt to sea level rise, reduce wave energy and storm surges, and provide erosion protection for surrounding communities, especially around the former landfill.

## **Projected Milestones / Deliverables:**

1. Complete construction by 2029 to restore 1,800 acres of tidal marsh, providing critical habitat for endangered and special-status species.

# Llagas Creek–Lower, Capacity Restoration, Buena Vista Avenue to Pajaro River

TPC: \$98.8 M

Funding: Funds 12

Duration: 8 Years

Location: Gilroy, CA

## Objective:

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

## Location Map



## Lower Llagas Creek near the Pajaro River



# Llagas Creek–Lower, Capacity Restoration, Buena Vista Avenue to Pajaro River

## Background:

1. The Lower Llagas Creek underwent improvements in the 1970's to 1990's, providing various levels of protection from 10-year to 100-year.
2. Regular maintenance of the river was paused due to endangered species concerns, resulting in vegetation overgrowth and reduction in flood capacity.

## Benefit:

1. Project would assess alternatives to restore design flood capacity to the river
2. Project has opportunity to coordinate in environmental enhancement project on adjacent property

## Projected Milestones / Deliverables:

1. Planning: 2 Years
2. Design: 3 Years
3. Construction: 3 Years

# Palo Alto Purified Water Project (PAPWP)

TPC: \$1.09B\*

Funding: Funds 61, P3

Duration: 5-6 Years

Location: Palo Alto, CA

## Location Map



## Reverse Osmosis Membranes for Water Purification



## Objective:

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

\*PAPWP Fund 61 unfunded cost is \$14,633,000; Public Private Partnership (P3 contribution for PAPWP) is \$1,082,443,000.

# Palo Alto Purified Water Project (PAPWP)

## Background:

1. On February 27, 2024 due to project affordability, the Board directed staff to place the project on the Capital Improvement Program (CIP) unfunded list and a new Purified Water Project for Direct Potable Reuse with the Cities of San Jose and Santa Clara was added under a separate project number. The project team closed out any pending tasks for the PAPWP at the end of FY 2024.

## Benefit:

1. Project would have provided up to 11,200 AFY of potable reuse water for conveyance to the Los Gatos Recharge System in Campbell to augment groundwater supplies.
2. Project would have provided a reliable water supply to Valley Water's water portfolio.

## Projected Milestones / Deliverables:

1. Planning: 2 years
2. Design : 1-2 years
3. Construction: 2-3 year

# Initially Validated and Currently Unfunded Projects

Project Name	Estimated Total Project Cost (\$ thousands w/inflation)	Phase	Potential Funding Source	FY 2024-25 Funding Category
<b>FY 2023-24 Initially Validated Projects</b>				
Coyote Dam Seismic Retrofit	\$406,400	Planning	Fund 61	Category 1 - Existing Infrastructure
Pipeline Maintenance Program*	\$53,730	Plan/Design/Const.	Fund 61	Category 2 - Existing Infrastructure
Almaden-Calero Canal Rehabilitation - Phase II	\$12,950	Planning	Fund 61	Category 3 - Existing Infrastructure
Enterprise Resource Planning (ERP) System Replacement	\$33,508	Planning	Fund 73	Category 3 - Existing Infrastructure
<b>Current Unfunded Projects</b>				
Llagas Creek - Lower, Capacity Restoration, Buena Vista Road to Pajaro River	\$98,831**	Planning	Fund 12	Category 1 - Existing Infrastructure
Permanente & Hale Creek Concrete Replacement	\$20,810	Design	Fund 12	Category 1 - Existing Infrastructure
Calabazas/San Tomas Aquino Creek Marsh Connection - Construction (ONLY)	\$34,562	Construction	Fund 12	Category 2 - Existing Infrastructure
Pond A4 - Phase 2 (Construction ONLY)	\$32,128	Construction	Fund 12	Category 3 - NEW Infrastructure
South Babb Flood Protection - Long-Term	\$22,070	Planning	Fund 12	Category 3 - Existing Infrastructure
Alamitos Operable Dam Replacement	\$9,810	Planning	Fund 61	Category 3 - Existing Infrastructure
Palo Alto Purified Water Project (PAPWP)	\$1,097,076***	Planning	Fund 61	Category 3 - NEW Infrastructure

\* Renewal of the 10-yr Pipeline Inspection and Rehabilitation Project (sunsets in FY27)

\*\* Llagas Capacity has prior year actuals = \$6,947, TPC = \$105,778

\*\*\* PAPWP Fund 61 unfunded cost is \$14,633,000; Public Private Partnership (P3 contribution for PAPWP) is \$1,082,443,000

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# Santa Clara Valley Water District

File No.: 24-0656

Agenda Date: 11/1/2024

Item No.: 4.2.

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## COMMITTEE AGENDA MEMORANDUM Capital Improvement Program Committee

Government Code § 84308 Applies: Yes  No   
(If "YES" Complete Attachment A - Gov. Code § 84308)

### **SUBJECT:**

Receive and Discuss Information Regarding the Status of Capital Projects in the Feasibility and Planning Phase.

### **RECOMMENDATION:**

Receive and discuss information regarding the status of capital projects in the feasibility and planning phase.

### **SUMMARY:**

The Capital Improvement Committee's (CIP) 2024 Workplan includes monitoring of capital projects during all phases of delivery. Staff will prepare a list of active projects to submit to the Committee each month and will provide detailed information on those where potential and/or significant issues have been identified. The projects presented for discussion will be organized by phases: feasibility/planning, design/permitting, and construction. Staff will present projects to the CIP Committee for review one phase at a time. Projects currently in the feasibility/planning phase are being presented this month.

Attachment 1 is a list of projects in the feasibility/planning phase. A verbal report will be provided at the meeting with more detailed information about recent developments, as requested by the Committee.

### **ENVIRONMENTAL JUSTICE AND EQUITY IMPACT:**

There are no environmental justice and equity impacts associated with this item. This action is unlikely to or will not result in adverse impacts and is not associated with an equity opportunity.

### **ATTACHMENTS:**

Attachment 1: Feasibility and Planning Report

**UNCLASSIFIED MANAGER:**

Ryan McCarter, 408-630-2983  
Kirsten Struve, 408-630-3138  
Luz Penilla, 408-630-2228  
Emmanuel Aryee, 408-630-3074  
Bhavani Yerrapotu, 408-630-2735  
Lisa Bankosh, 408-630-2618  
Tony Ndah, 408-630-2208

## Capital Project Monitoring Report – November 2024

### Feasibility and Planning Phase

Row	Project No.	Project Name	Notes, Upcoming Board Actions, or potential issues	Deputy's Initials
<b><u>Water Supply</u></b>				
1	91084019	Dam Seismic Stability Evaluations	The Division of Safety of Dams (DSOD) received the seismic stability assessment for Coyote Dam in July 2024. Once approved, work will begin on the Problem Definition Memo and Conceptual Remedial Alternatives. Evaluations for Chesbro and Uvas Dams are anticipated to be finished by December 2024 and will be submitted to DSOD for review. DSOD has completed its review of spillway evaluations for Lenihan and Stevens Creek Dams. These evaluations will inform the project team's ongoing planning phase, which includes analyzing various alternatives.	RM
2	92C40357	FAHCE Implementation	Flow measures are being implemented with the FAHCE+ rule curves for Stevens Creek and Guadalupe Watersheds and FAHCE monitoring program in effect. Non-flow measures, including Live Oak Restoration Reach, Ogier Ponds, along with the Moffett fish barrier removal project, are currently in the planning and feasibility study phase. The implementation status for all Phase 1 measures will be included in the first annual report finalized in the summer of 2025. This annual report is required as a part of the FAHCE Adaptive Management Program, as outlined in the Board-certified Environmental Impact Report (EIR).	JB
3	91294001	San Jose Purified Water Project (SJPWP) - Phase 1	Contract amendments for agreements with CDM Smith Inc. and ESA to work on the Purified Water Project (PWP) are expected to be completed in early fall. This work will focus on the first phase of the PWP, a Direct Potable Reuse (DPR) Demonstration Facility located in San Jose next to Silicon Valley Advanced Water Purification Facility. In addition, City of San Jose and Valley Water staff are continuing to work on regulatory approaches and agreements needed for the demonstration facility.	KS
4	93044001	Water Treatment Plant (WTP) Master Plan Implementation Project	Staff has finalized a Condition Assessment Technical Memorandum for the Silicon Valley Advanced Water Purification Center and plans to begin developing corresponding conceptual project alternatives. Staff is also conducting several water treatment-focused studies (bench scale and full scale) to support the 10% Basis of Design Reports for the Penitencia, Rinconada, and Santa Teresa Water Treatment Plants. Staff plans to complete these studies by early 2025.	LP
5	95044002	SCADA Master Plan Implementation Project	Staff has made progress on the SCADA System Requirements and Functional Guidelines report for the Technology Evaluation and Standardization task. The report is a foundation for the Platform Selection activity, which will select the new technologies to be used in the SCADA upgrade projects. Staff is also continuing to engage with stakeholders on the Early Implementation Projects, developing feasible alternatives for the Remote Communications Improvements and the Alternate Control Center Development.	LP
6	95044001	Distribution System Master Plan Implementation Project	Staff has finalized an Asset Risk and Renewal Methodology Technical Memorandum. This report will help staff evaluate and prioritize infrastructure evaluations, both existing and proposed. Staff has also completed several pipeline desktop condition assessments and by late fall 2024 will begin conducting multiple field inspections of the distribution system, including pump stations, SFPUC-VW intertie, pipelines, canals, and other related water distribution infrastructure.	LP
7	95084002	10-Year Pipeline Inspection and Rehabilitation Project	The Draft EIR was published on September 12, 2024 to initiate the 45-day public comment period. Staff will work with internal stakeholders to compile and address any comments received.	EA
8	93294059	Rinconada WTP Ammonia Storage and Metering Facility Upgrade Project	The project proposal and planning phase work plan were completed in March 2024. Staff has continued working on the Planning Phase, starting with the Problem Definition Report.	EA

## Flood Protection

10 00044026s San Francisco Bay Shoreline (E7) – Phase II and Phase III

The US Army Corps of Engineers (USACE) concluded the Phase II study, with Palo Alto and part of Mountain View, after finding that the study area is not predicted to experience flood damages significant enough to justify federal investment in a shoreline levee until approximately 2060, when sea levels are projected to be higher. Although there is no federal interest in a project at this time, the study authorization remains open for a potential future study.

BY

In August 2023, USACE kicked off the Phase III Feasibility Study for the shoreline area that extends from Permanente Creek in Mountain View to Guadalupe River in San Jose. USACE held a planning charrette to identify initial project alternatives with Study stakeholders in early December 2023 and a public scoping meeting in mid-February 2024. USACE's first milestone has been delayed multiple times, from February to June, and again to October 2024. Following the first milestone, USACE will provide an updated budget and schedule to complete the Study.

## Water Resources Stewardship

11 26044003 Ogier Ponds Separation from Coyote Creek (SCW D4.2)\*

The Feasible Alternatives Report is currently being finalized internally and will then be provided to stakeholders for feedback. The project team retained a consultant to refine steelhead habitat and flow criteria; the consultant is currently developing the models. Once a Recommended Alternative is determined, staff will develop preliminary design information for steelhead trout habitat features, a high-flow diversion system, and an outlet drainage structure. Ahead of finalizing a recommended alternative, staff is developing typical channel designs to share with California Department of Fish Wildlife (CDFW) to support with Anderson Dam Seismic Retrofit Project permitting. Santa Clara County Parks and Recreation Department has reviewed the Planning Study Report (PSR) and staff has integrated their comments. The project team is on track to complete the PSR in early 2025, pending other stakeholder input. Geotechnical studies to support completion of the Planning Study continue to be on hold pending landowner approval.

LB

12 26044005 Fish Passage Improvements (Moffett) (SCW D4.3)\*

Staff is currently conducting a feasibility evaluation for improving fish passage at the Moffett Drop Structure on Stevens Creek. Staff recently completed the collection and review of background information, revised the preliminary cost estimate for the conceptual alternatives, and developed a 3D CADD model of the proposed drop structure that will be used to prepare a hydraulic model for flooding analysis. Next steps include further developing the conceptual alternatives, completing the hydraulic modeling, and completing topographic surveys of the project area. Valley Water expects to complete the PSR for Moffett in 2025.

LB

13 20444001 Calabazas/San Tomas Aquino Creek-Marsh Connection Project (Planning and Design)

Valley Water did not receive the National Oceanic and Atmospheric Administration (NOAA) Coastal Resiliency Grant application that included \$15M in construction funding for the project. Staff will continue applying for grant funding when possible. There was an agency coordination meeting in September to present feasible alternatives and beneficial changes to the preliminary staff recommended alternative. The proposal was well-received at the agency coordination meeting, so staff will continue the hydraulic and sediment transport modeling necessary to further develop the preliminary staff recommended alternative. Staff continues to develop the pilot for reverse osmosis concentrate treatment at Pond A4 and will meet with City of Sunnyvale staff in the fall to discuss the pilot concept and the National Pollutant Discharge Elimination System (NPDES) requirements previously discussed with Regional Water Quality Control Board (RWQCB) staff and to enhance coordination.

LB

14 20444002 Pond A4 Resilient Habitat Restoration Project (Phase 1 - Planning and Design)

The Pond A4 project aims to continue the beneficial reuse of Stream Maintenance Program (SMP) sediment by constructing mudflat/shallow water wildlife habitat within the former salt pond. Following completion of the 70% design documents, staff are analyzing construction methodology and phasing in order to maximize sediment re-use and minimize cost. Permit applications are anticipated to be submitted in spring 2025.

LB

## Buildings & IT

15 60204022 Security Upgrades and Enhancements

This project will significantly enhance the overall security of Valley Water facilities by designing and installing a modern technical security system capable of addressing today's security and investigative requirements to counter security threats. The project is being delivered in three phases: Phase 1, which involves fencing replacement, is currently in the design phase, with staff finalizing the plans and specifications and expecting to present them to the Board for contract award in December 2024. Phase 2, focusing on surveillance and access control replacement, is in the planning phase, where staff are working with a consultant to develop system requirements and a scope of work for replacing the existing security system. Phase 3, the expansion of the surveillance system, is also in the planning phase and will be advanced after the completion of Phase 2 to ensure a seamless progression in enhancing the overall security infrastructure.

TN

\*This project meets the commitments of the voter-approved Safe, Clean Water Program (SCW). For a full description of the SCW benefits and KPIs, please visit [www.valleywater.org](http://www.valleywater.org).

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# Santa Clara Valley Water District

File No.: 24-0665

Agenda Date: 11/1/2024

Item No.: 4.3.

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## COMMITTEE AGENDA MEMORANDUM Capital Improvement Program Committee

Government Code § 84308 Applies: Yes  No   
(If "YES" Complete Attachment A - Gov. Code § 84308)

### **SUBJECT:**

Receive and Discuss Information Regarding the Status of Capital Projects in the Design and Permitting Phase.

### **RECOMMENDATION:**

Receive and discuss information regarding the status of capital projects in the design and permitting phase.

### **SUMMARY:**

The 2024 Work Plan for the Board Capital Improvement Program Committee (Committee) includes monitoring of capital projects during all phases of development. Staff will present a list of active projects at each Committee meeting and provide detailed information on those where potential and/or significant issues have been identified. The projects presented for discussion will be organized by phases: planning/feasibility; design/permitting; and construction. Staff will present projects to the Committee for review one phase at a time. Projects currently in the design/permitting phase are being presented at this Committee meeting. Other attachments may be included to provide more detail on other items associated with these projects.

Attachment 1 is a list of projects in the design and permitting phase. A verbal report will be provided at the meeting with more detailed information about recent developments on the projects listed in Attachment 1.

### **ENVIRONMENTAL JUSTICE AND EQUITY IMPACT:**

There are no environmental justice and equity impacts associated with presenting updates on Capital Improvement Program Projects in the design phase to the CIP Committee. This action is not associated with an equity opportunity.

### **ATTACHMENTS:**

Attachment 1: Design and Permitting Report

**UNCLASSIFIED MANAGER:**

Bhavani Yerrapotu, 408-630-2735  
Emmanuel Aryee, 408-630-3074  
Ryan McCarter, 408-630-2983  
Tony Ndaah, 408-630-2208

## Capital Project Monitoring Report - November 2024

### Design and Permitting Phase

Row	Project No.	Project Name	Plans & Specs	Notes, Upcoming Board Actions or potential issues	Deputy's Initials	Planned CM Services
<u>Water Supply</u>						
1	91234002	Coyote Pumping Plant ASD Replacement	90%	The Board approved the Phase 2 Amended and Restated Agreement in September 2024. The 100% design is scheduled to be completed in March 2025. Construction is anticipated to begin in 2025.	EA	X
2	95084002	10-Yr Pipeline Inspection & Rehabilitation (West Pipeline)	100%	The Board adopted the Plans and Specs, and Advertisement for Bids began in September 2024. The bid opening will be in November 2024, and Notice of Award is anticipated to occur in December 2024.	EA	X
3	92304001	Almaden Valley Pipeline Replacement	90%	The 90% design is scheduled to be completed in December 2024, and the Cultural Resource Study is estimated to be completed by April 2025.	EA	X
4	26764001	IRP2 Additional Line Valves (A3)	100%	The design of all four line valves is complete. Construction activities for the Quito Line valve will commence with the West Pipeline 10-Yr Pipeline Inspection & Rehabilitation Project, which is scheduled to be awarded in December 2024. The remaining three line valves are estimated to be installed in November 2026, November 2027 and November 2028.	EA	X
5	92144001	Pacheco/Santa Clara Conduit Right-of-Way Acquisition	N/A	Easement negotiations with property owners are ongoing and permits to construct driveways, gravel, and gates are expected to be secured by April 2025.	EA	X
6	94084007	Treated Water Isolation Valves	100%	The 90% design has been completed. The 100% design is scheduled to be completed in November 2024.	EA	X
7	92264001	Vasona Pump Station Upgrade	30%	Staff and the environmental services consultant are addressing comments on the greenhouse gas and air quality technical memos and Mitigated Negative Declaration (MND) sections. They are also evaluating the availability of in-house subject matter experts to lead the electrical and mechanical design. Staff is finalizing the Initial Study/Mitigated Negative Declaration (IS/MND) and environmental documents by December 2024. Due to changes in project delivery from Design-Build to Design-Bid-Build, design staff is updating the Project Plan, the Design Phase Work Plan, and starting to update the 30% design.	EA	X
8	93234044	Penitencia WTP Residuals Management	100%	The 90% design was completed and the draft IS/MND was released for public review in September 2024. The 100% design has started and is expected to be completed in early 2025.	EA	X
9	93084004	Water Treatment Plant Electrical Improvement	N/A	The project is currently on hold due to staffing resources.	EA	X
10	91094001	Land Rights - South County Recycled Water Pipeline	N/A	Work is underway to determine the location of the pipeline. The CADD documentation of the entire pipeline location is expected to be completed by spring 2025.	EA	N/A
11	91854003	Almaden Calero Canal Rehabilitation	30%	The project design scope elements memo and project base map have been completed. The review of the hydraulic capacity modeling of the canal, the design criteria memo, and geological assessment memo has been completed. The environmental work, field investigation plans, environmental strategy plan, and the Wetland Delineation Report has been completed. Work on the 30% design to begin while the environmental studies continue.	EA	TBD
12	91854001	Almaden Dam Improvement Project	N/A	The project is currently on hold. Design is expected to commence in April 2025. Environmental documentation and permitting acquisition work will also commence in 2025. Construction is scheduled to begin in 2030.	RM	X

13	91864005	Anderson Dam Seismic Retrofit (C1: Fund Transfer KPI)	100%	<p>The 100% design documents are currently being updated to address comments received from the Federal Energy Regulatory Commission (FERC), the Board of Consultants (BOC), and the Division of Safety of Dams (DSOD) on the 90% design documents. The Draft Environmental Impact Report (EIR) for the Anderson Dam Seismic Retrofit Project (ADSRP) was released for public review in September 2023. Due to changes in the planned construction, Valley Water partially recirculated the Draft EIR on August 5, 2024 to include updates to the project description, air quality, greenhouse gas emissions, noise and vibration, and aesthetics sections for additional public comment before finalizing the document. Valley Water is working with FERC, the United States Army Corps of Engineers (USACE), and the United States Environmental Protection Agency to ensure National Environmental Policy Act (NEPA) coordination among federal agencies engaged with the project. Joint NEPA public scoping meetings were held September 17 to 19, 2024. The Final EIR, appropriate NEPA documentation, and natural resource agency permitting are targeted for completion by summer 2025. Planning remains ongoing for best value procurement of the construction contract. The Request for Prequalification Applications is scheduled to be released in fall 2024. Award of the construction contract is scheduled for early 2026 and start of construction in 2026. Construction is expected to be completed in 2032.</p>	RM	X
14	91874004	Calero Dam Seismic Retrofit Project - Design & Construction	60%	<p>The agreement for consultant design services with Stantec was approved by the Board of Directors on February 27, 2024. The consultant has completed preliminary tasks (e.g., work plans, plans for geotechnical investigations, field surveys). Preparation of Technical Memoranda, which will provide the Basis of Design, is underway. A kick-off meeting with the Division of Safety of Dams (DSOD) was held on June 13, 2024. Geotechnical investigations commenced in September 2024. The project team continues to evaluate expedited project delivery through phased construction and other methods that would allow Valley Water to retain water in the reservoir during construction. Additionally, work is underway to identify the required environmental studies and modeling necessary to support the environmental planning compliance efforts. A milestone schedule for environmental planning and regulatory compliance for the project is being developed to provide during outreach to applicable regulatory agencies to plan the review and approval process.</p>	RM	X
15	91894002	Guadalupe Dam Seismic Retrofit - Design & Construct	90%	<p>Preliminary 90% design documentation was submitted by the design consultant, GEI Consultants, in December 2020. Staff is studying the feasibility of expediting project delivery through redesign of some project elements for early delivery and construction, and evaluating the feasibility of phased construction and other construction methods that would allow Valley Water to retain water in the reservoir during construction. Geotechnical field investigations are planned to continue through December 2024. Work is also underway to identify the required environmental studies and modeling necessary to support the environmental planning compliance efforts. A milestone schedule for the environmental planning and regulatory compliance for the project is being developed to provide during outreach to applicable regulatory agencies to plan the review and approval process. Work is also underway conducting environmental studies, preparing environmental documentation, and planning for outreach to regulatory agencies for permitting.</p>	RM	X

				Staff and the consultant team continue to work on addressing the Draft Environmental Impact Report (EIR) comments and developing the Recirculated Draft EIR. They are also progressing on the 60% design and have started additional environmental field investigations, which will continue into late 2024. The geotechnical field investigations were paused in May 2023 in response to a court order. The team released the draft Initial IS/MND in June 2024. The public comment period ended July 19, 2024.			
16	91954002	Pacheco Reservoir Expansion	60%	In consideration of comments received, Valley Water has decided to prepare an EIR for the proposed Design Level Geotechnical Investigations. A Notice of Preparation was released on October 1, 2024 and a public scoping meeting was held on October 17, 2024. The Project team presented a quarterly update on unique requirements to the Board's Water Supply and Demand Management (WSDM) Committee on August 26, 2024, and to the Board of Directors on October 8, 2024. The next quarterly update, which will be a more general project update focusing on the timeline and the geotechnical EIR, will be presented to the WSDM Committee in December 2024 and to the Board of Directors in early 2025.	RM	X	
<b>Flood Protection</b>							
17	26174043	Coyote Creek Flood Protection Project, Montague Expressway to Tully Road (SCW E1)*	90%	Staff is working on reviewing 90% design, right-of-way acquisition, and California Environmental Quality Act (CEQA)-related documentation for the Coyote Creek Flood Protection Project (CCFPP). Final design is anticipated to be completed in February 2025. The final EIR will be recommended for Board certification at the end of 2024. CCFPP construction is anticipated to start in mid-2025.	BY	X	
18	00044026	San Francisco Bay Shoreline, EIA 11 - Alviso Slough to Coyote Creek	30%	The USACE is conducting preliminary design based on recommendations from their Value Engineering study of Reaches 4-5. Valley Water continues to work with the City of San Jose to identify and develop proposals for cost savings, specifically on options to pay for Pond A18 by securing mitigation credits for the Regional Wastewater Facility in lieu of cash.	BY	N/A	USACE construction
19	26324001	Upper Penitencia Creek, Coyote Creek to Dorel Drive (SCW E4)*	Prelim	Staff is working on Phase I (Coyote Creek confluence to King Road) design development and pursuing rights of way needed for the project. Staff is also developing a request for proposal to procure design and environmental consultant services for the project.	BY	TBD	
20	26074002	Sunnyvale East and West Channels (SCW E2)*	90%	Staff received direction from the Board of Directors in January 2023 to construct the Sunnyvale West Channel as Phase 1 and the Sunnyvale East Channel as Phase 2 due to available funding. Staff continues to update the environmental impacts mapping as requested by the resource agencies and will resubmit the permit applications with the response to agency comments incorporated. Plans and specifications continue to be developed with additional survey and field information incorporated and will be finalized with the inclusion of any permit conditions into the contract documents.	BY	X	
21	26284002	San Francisquito Creek – S.F. Bay to Middlefield Road (SCW E5)*	90%	The project is led by the San Francisquito Creek Joint Powers Authority (SFCJPA); Valley Water is one of the five member agencies. The San Francisquito Creek Project consists of four distinct subprojects in various design stages. SFCJPA executed a consultant services agreement in the spring of 2024 to reevaluate the EIR alternatives and reaffirm the preferred project alternative in response to the observations made during the 2022 New Year's Eve flood.  The City of Palo Alto leads the design and construction of Newell Road Bridge, one of the four subprojects. Valley Water's role as a member agency of SFCJPA is to provide technical review and funding for the Newell Road Bridge project. The City of Palo Alto secured Caltrans Highway Bridge Program funding for design and construction. The City of Palo Alto is planning on advertising the Newell Road Bridge for construction in late fall 2024 and starting construction in the spring of 2025.	BY	X	

22	62084001	Small Capital Improvements, Watershed Asset Rehabilitation Program (WARP)	N/A	<p>Under this Program's plan for 2024, six projects are in various stages of design:</p> <ul style="list-style-type: none"> <li>• <b>U-Frame wall repairs on Permanente and Hale Creeks</b> - staff is currently working on 100% design and anticipates completing the final design by December 2024. Construction is planned for summer 2025.</li> <li>• <b>Erosion repair on Coyote Creek at Julian Street adjacent to San Jose High School</b> - staff worked on the 60% design and is currently awaiting the outcome of cost-sharing negotiations to continue design.</li> <li>• <b>Slope and bank repair on Guadalupe River at Malone Road and Blossom Hill Road</b> - staff is currently working on the 90% design documents. Both sites will require CEQA analysis and determination and permits for construction. Construction is planned for summer 2025.</li> <li>• <b>Evelyn Fish Passage Project on Stevens Creek</b> is in 90% design and planned for final design by February 2025. This project restores a 2015 fish passage project that washed out in the 2017 storms. Completion of this project is a requirement to secure the Stream Maintenance Program (SMP3) permit, which is currently in negotiation with partner agencies. Construction is planned for summer 2025.</li> <li>• <b>South Babb Creek Flood Mitigation Protection Project</b> is at 90% design. The final design is expected to be completed by November 2024. This project will reduce localized inundation by constructing stormwater conveyance improvements. The project does not require any new environmental permits. An addendum to the Lower Silver Creek Environmental Impact Report will be prepared to cover CEQA requirements. The project is scheduled to be constructed in the summer of 2025.</li> <li>• <b>Calabazas Creek Erosion Repairs – Miller Avenue to Bollinger Road</b> – is in 60% design and planned for final design by February 2025. Construction is planned for summer 2025.</li> </ul>	BY	X	
23	26154003	Guadalupe River-Upper, SPRR to Blossom Hill Road - Reaches 7-12 (SCW E8)*	Prelim	<p>In January 2021, the USACE began a General Reevaluation Study for the entire project, including reevaluating the project alternatives and benefit-cost ratio, to make the project more competitive for federal funding. On September 9, 2022, USACE presented the Tentatively Selected Plan, and staff reviewed and supported it. USACE provided a draft Environmental Assessment /Feasibility Report for Valley Water review on October 3, 2022. On March 9, 2023, USACE held their Agency Decision Milestone meeting where Valley Water further supported the Combination Plan as the selected plan for the General Reevaluation Report. USACE started the optimization and refinement of the Selected Plan 4. USACE recently advised Valley Water that they are also required to analyze costs of properties that are subject to induced flooding. This additional cost analysis will likely delay the completion of the General Reevaluation Report scheduled for June 2025.</p>	BY	N/A	USACE construction
24	10394001	Palo Alto Flood Basin Tide Gate Structure Replacement	90%	<p><b>Phase 1</b> is a seismic retrofit and rehabilitation of the existing tide gate structure to strengthen and extend its service life. The 90% design was completed in April 2024. Staff presented the project to the Palo Alto Parks and Recreation Commission regular meeting on August 27, 2024 and received PRC recommendation to the full City Council to adopt the Park Improvement Ordinance (PIO), which is necessary to develop the project. Staff completed the CEQA Addendum in August 2024 and will recommend that the Board consider the addendum and approve the project at the October 22 Board meeting. The City Council meetings are planned for December 9, 2024 and January 13, 2025. Staff is organizing an information-only public meeting for November 20, 2024 to provide a project update to the public. The 100% design is expected to be completed by the end of 2024. Construction is anticipated to start in September 2025 and be completed by January 2026.</p> <p><b>Phase 2</b> is the long-term replacement of the Palo Alto Tide Gate structure, which would need to be coordinated with broader sea level rise and shoreline protection efforts for this area.</p>	BY	X	

25	30154019	Lower Guadalupe River Capacity Restoration	Prelim	The design phase for this project began in July 2024. A Request for Proposals for design and environmental review consultant services was advertised on October 3, 2024. Staff expects to bring the agreement to the Board for approval in spring 2025. Concurrently, staff is working with the City of San Jose on a cost share agreement for design of a new pedestrian overcrossing at the Montague Expressway bridge over Guadalupe River, which will be incorporated into Valley Water's design of headwalls for the bridge.	BY	TBD
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### Water Resources Stewardship

No projects to report at this time.

Choose an item.

### Buildings & IT

26	60204032	Headquarters Operations Building	30%	The Project team has worked with a consultant on a report that analyzed strategies for the Maintenance Building. Each strategy detailed optional methods for renovating the building to meet the current needs for space and other operational functions. Included in this report were schedule impacts and a rough order of magnitude cost analysis for each strategy. Staff collaborated with management to evaluate the strategies presented in the report and presented a staff-recommended alternative to the CIP committee for input at the February 26, 2024 meeting. The Project team is progressing with developing detailed plans and specifications for the staff-recommended alternative.	TN	X
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\*This project meets the commitments of the voter-approved Safe, Clean Water Program (SCW). For a full description of the SCW benefits and KPIs, please visit [www.valleywater.org](http://www.valleywater.org).

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# Santa Clara Valley Water District

File No.: 24-0661

Agenda Date: 11/1/2024

Item No.: 4.4.

## COMMITTEE AGENDA MEMORANDUM Capital Improvement Program Committee

Government Code § 84308 Applies: Yes  No   
(If "YES" Complete Attachment A - Gov. Code § 84308)

### **SUBJECT:**

Receive Information on Change Orders to Anderson Dam Tunnel Project Construction Contract.

### **RECOMMENDATION:**

Receive information on Change Orders to Anderson Dam Tunnel Project Construction Contract.

### **SUMMARY:**

During the May 17, 2021, Capital Improvement Program (CIP) Committee meeting, staff provided an update on the Anderson Dam Tunnel Project (ADTP) No. 91864006. The Committee requested staff provide monthly change order status updates after construction of the ADTP commences on July 7, 2021.

### **Project Background**

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

On April 27, 2021, Valley Water's Board of Directors awarded the construction contract for the ADTP to the top-ranked, best-value proposer, Flatiron West, Inc. (Flatiron), in the sum of \$161,140,321 and approved a contingency amount of \$40,000,000 (25% of the contract price). The Board directed staff to discuss delegating authority for contingency expenditures with the CIP Committee.

By unanimous roll call vote at its May 17, 2021, meeting, the Committee approved recommending to the full Board that it consider delegating authority to staff to approve change orders for the ADTP at the amounts stated below and that the CIP Committee receive regular monthly reports with information regarding approved change orders, pending change orders, and the cumulative amounts. Valley Water's Board of Directors accepted the CIP Committee recommendations at its regular meeting on May 25, 2021.

### ***Delegated Approval Authority***

Unit Manager: Up to \$100,000  
Assistant Operating Officer: Up to \$250,000  
Deputy Operating Officer: Up to \$500,000  
Assistant Chief Executive Officer: Up to \$2.5 million  
Chief Executive Officer: Up to \$5 million  
Board of Directors: \$5 million and above

### ***Construction Contract Change Orders Status***

There are two new Contract Change Orders (CCO No. 40 and No. 41) to present to the CIP Committee. The estimated value of CCO No. 40 is \$427,945.00 and CCO No. 41 is \$3,730,825.00. Two attachments, providing information on construction contract change orders (Attachment 1) and construction contract financials (Attachment 2), are included for reference.

#### **Contract Change Order #40**

- 1. North Channel Hinge Riprap** - Valley Water issued revised Contract Drawing sheets C-102 and C-103 in response to Request for Information (RFI) No. 425. The RFI indicated that the finish grade elevation of the northern side of the North Channel, outside of the current grading limits between Station 2+00 to 4+00, did not have a hinge point to detain water within the newly constructed North Channel and could lead to erosion concerns. Therefore, revised drawings were provided to expand the grading limits of the North Channel between Station 2+00 to 4+00 by adding additional creek armoring (*9-inch to 21-inch riprap and 6-inch+ channel substrate*) to this low region on the northern side of the North Channel to mitigate future erosion concerns. This portion of the change is valued at \$497,310.00.
- 2. Coyote Creek Modifications - North Channel Extension** - The North Channel Extension work was previously presented to the CIP Committee on April 22, 2024, as part of the Coyote Creek Modifications and included the North Channel, South Channel, and North Channel Extension, totaling an estimated value of \$13,000,000. The North Channel portion was executed under CCO No. 35 for \$10,148,710.20 (also presented to the Board on May 28, 2024), while the South Channel and North Channel Extension portions of the change were still being negotiated. The North Channel Extension portion of the change (scope described below) is now being finalized and will be executed as part of CCO #40.

The North Channel Extension scope includes reopening and reestablishing connection to Coyote Creek downstream of the north channel weir. This new connection is approximately 550 feet (from Station 8+35 to 13+65) to the North and South Channel confluence. This work was initially planned to take place during the subsequent Anderson Dam Seismic Retrofit Project. However, the Project team has identified opportunities for efficiency and environmental benefit in advancing the completion of the North Channel reopening work to include the extension portion as part of ADTP. The North Channel Extension will be graded

and sloped to provide positive drainage due to existing low spots that could create fish stranding hazards, prohibited by resources agencies, after high creek flows or releases from Anderson Dam. The scope also includes temporary dike and dewatering system installation and removal to complete the North Channel Extension. Note that a tree removal operation will also take place to facilitate this work, which will be executed as a separate change order item - see below. The North Channel Extension change is estimated to be valued at \$998,593.00.

- 3. North Channel Extension - Tree Removal and Storage Costs** - The North Channel Extension work requires the removal of approximately 60 trees to facilitate access and begin construction activities in the North Channel Extension. These trees need to be cleared to allow construction equipment to enter the work area and to enable the construction of the downstream dike and dewatering operations. This change includes the cost of removing the trees and transporting designated trees to storage for reuse as fish habitat. This change is estimated to be valued at \$75,542.00.
- 4. Increase in Bid Quantity - Bid Items No. 2h, 2i, 2j, and 2k** - Includes an increase to the total quantity of Bid Items No. 2h, 2i, 2j, and 2k as a result of Contract Time extensions associated with Time Impact Analysis 03 and 04. The listed Bid Items will be increased as follows:
  - A. Bid Item No. 2h** - Includes an increase to the total quantity of Bid Item No. 2h, Compliance with NPDES General Permit, by 3 months, for a revised total quantity of 43 months. This item is to be paid per month per original bid rate of \$50,000/MO.....\$150,000.00
  - B. Bid Item No. 2i** - Includes an increase to the total quantity of Bid Item No. 2i, Migratory Birds, by 3 months, for a revised total quantity of 43 months. This item is to be paid per month per original bid rate of \$10,000/MO.....\$30,000.00
  - C. Bid Item No. 2j** - Includes an increase to the total quantity of Bid Item No. 2j, Noise and Vibration Monitoring, by 3 months, for a revised total quantity of 43 months. This item is to be paid per month per original bid rate of \$15,000/MO. ....\$45,000.00
  - D. Bid Item No. 2k** - Includes an increase to the total quantity of Bid Item No. 2k, Dust Control and Air Monitoring, by 3 months, for a revised total quantity of 43 months. This item is to be paid per month per original bid rate of \$14,000/MO. ....\$42,000.00

This portion of the change order is valued at \$267,000.00.

- E. Credit for Boat Marina Landslide Supplemental Work** - Monitoring done by the Engineer of Record Project design consultant (AECOM, formerly URS) over the past several years for the Boat Marina Landslide shows minimal activity. It poses no impact on residential properties located above the landslide limits. Since the Boat Marina Landslide

has limited overall movement, the remediation work in this area has been removed from the Anderson Dam Tunnel Project. At the same time, monitoring will continue to be performed. Therefore, Contract Document Clarification No. 055 was issued to remove the landslide remediation work from the Contract Documents. As a result, Supplemental Bid Items related to Boat Marina Landslide remediation will be credited back entirely which includes Bid Item 10b - Landslide Excavation, Boat Marina, Bid Item 10d - Landslide Remediation, Soil Nails #8, 140 feet, and Bid Item 10f - Landslide Remediation, Earthfill for Boat Marina. This portion of the deductive change order provides a credit in the amount of <\$1,410,500.00>.

## Contract Change Order #41

### 1. Transition Zone Quantity Overrun, Underrun, and Unit Price Adjustments - Bid Items No. 5g, 5w, and 5x

**A. Bid Item No. 5g Overrun** - The original contract bid quantity for Bid Item No. 5g, #8 Rock Dowels in Transition Zone, accounted for installation of 210 rock dowels, however, due to encountering additional Ground Class V during the excavation in the Transition Zone, a total of 370 rock dowels were necessary and installed to complete the work. The original bid quantity for Bid Item No. 5g was previously increased in CCO No. 22 and No. 26 by 160, for a total of 370 rock dowels at the original bid unit price of \$1,500.00 per rock dowel.

In accordance with the Contract Documents Standard Provisions, Section 3 Scope of Work, Article 3.06.04. Allowable Quantity Variations, 3.06.04.A., the unit price for quantities exceeding 125% of the original bid item quantity can be re-negotiated at the Contractor's requests and if the Contractor can demonstrate that an adjustment in the Contract unit price is warranted.

The Contractor requested a unit price adjustment for 108 rock dowels (of the additional 160 rock dowels). Following review of the Contractor's actual incurred cost for the completed work, the new unit price is under re-negotiation for \$2,874.00 per rock dowel. This results in an increase of \$1,374.00 over the original unit price of \$1,500.00 for those 108 rock dowels.

Thus, this portion of the change is estimated to be valued at \$148,392.00.

**B. Decrease to Bid Item No. 5w (Including Underrun Unit Price Adjustment)** - This change includes decreasing the bid item quantity based on the actual work performed and a unit price adjustment for bid item underrun.

The original contract bid quantity for Bid Item No. 5w, Tunnel Excavation in Transition Zone - Class IV, accounted for excavation of 840 cubic yards of Ground Class IV at a unit rate of \$1,050.00 per cubic yard which totaled to \$882,000.00. Upon completion of the excavation

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in the Transition Zone, a total of 330 cubic yards were excavated and paid at the original bid unit rate which totaled to \$346,500.00.

In accordance with the Contract Documents Standard Provisions, Section 3 Scope of Work, Article 3.06.04. Allowable Quantity Variations, 3.06.04.A., the unit price for quantities less than 75% of the original bid item quantity can be re-negotiated at the Contractor's request and if the Contractor can demonstrate that an adjustment in the Contract unit price is warranted and payment shall not exceed 75% of the original quantity at Contract unit price.

The Contractor requested compensation for up to 75% of the original bid quantity equating to \$661,500.00 or approximately \$2,004.55 per cubic yard, based on actual costs incurred during the excavation of Ground Class IV in the Transition Zone. The total actual cost incurred exceeded 75% of the original bid amount allowing for payment up to \$661,500.00 (75% of Bid item). The remaining balance for Bid Item No. 5w results in a net credit of <\$220,500.00> (25% of Bid item).

Thus, this portion of the change provides a credit of <\$220,500.00>.

**C. Increase to Bid Item No. 5x (Including Overrun Unit Price Adjustment)** - This change includes increasing the bid item quantity based on the actual work performed and a unit price adjustment for the quantities exceeding 125% of the original bid item.

The original contract bid quantity for Bid Item No. 5x, Tunnel Excavation in Transition Zone - Class V, accounted for excavation of 340 cubic yards of Ground Class V material; however, upon completion of excavation in the Transition Zone, a total of 1,475 cubic yards were excavated. The original bid quantity for Bid Item No. 5x was previously increased in CCO No. 19 by 765 cubic yards, for a total of 1,105 cubic yards at the original bid unit price of \$1,300.00 per cubic yard. Therefore, this change will increase the bid item by the remaining 370 cubic yards at the original bid item unit price to match the quantity of the actual work completed.

In accordance with the Contract Documents Standard Provisions, Section 3 Scope of Work, Article 3.06.04. Allowable Quantity Variations, 3.06.04.A., the unit price for quantities exceeding 125% of the original bid item quantity can be re-negotiated at the Contractor's request and if the Contractor can demonstrate that an adjustment in the Contract unit price is warranted.

The Contractor requested a unit price adjustment for 1,050 cubic yards (of the additional 1,135 cubic yards). Following review of the Contractor's actual incurred cost for the completed work, the new unit price is under re-negotiation for \$4,370.00 per cubic yard. This results in an increase of \$3,070.00 over the original unit price of \$1,300.00 for those 1,050 cubic yards.

Thus, this portion of the change is estimated to be valued at \$3,704,500.00.

2. **3.75 to 1 Slope and Disposal Pile Erosion Control** - This change was previously presented in the August 2024 CIP to be included as part of CCO No. 38, however it was not executed in that CCO and is now being included as part of CCO No. 41. Hydroseeding of the 3.75 to 1 slope above the Diversion Tunnel Portal did not successfully take root due to unfavorable soil conditions. Therefore, alternative erosion control options were investigated, and it was determined that the cost-effective solution is to install a soil stabilizer, Flexterra Flexible Growth Medium (Flexterra), on the 3.75 to 1 slope to effectively provide erosion control above the Diversion Tunnel Portal. Additionally, this scope of work now also includes placing Flexterra in lieu of hydroseeding on the Disposal Area stockpile for erosion control. This portion of the change is valued at \$41,368.00.
3. **Trash Rack Panel Design Change** - This change was previously presented in the May 2024 CIP to be included as part of CCO No. 34, however it was not executed in that CCO and is now being included as part of CCO No. 41. Contract Document Clarification 047 was issued with revised Drawing S-041, which included design modifications to the back panels on the trash rack from bar screens to steel plates, including adding extra bolted connections to increase the panel stiffness. These modifications were necessary to mitigate structural fatigue and wear caused by higher water inflow speeds and vibrations resulting from relocation of the trash rack. This portion of the change is valued at \$57,065.00.

#### **ENVIRONMENTAL JUSTICE AND EQUITY IMPACT:**

There are no environmental justice and equity impacts associated with this item. This action is unlikely to or will not result in adverse impacts and is not associated with an equity opportunity.

#### **ATTACHMENTS:**

Attachment A: Government Code §84308  
Attachment 1: Construction Contract Change Orders Status  
Attachment 2: Construction Contract Financial Status

#### **UNCLASSIFIED MANAGER:**

Ryan McCarter, 408-630-2983

Attachment A – Gov. Code § 84308

Receive Information on Change Orders to Anderson Dam Tunnel Project Construction Contract.

List of Parties and Their Agents/Representatives Known to Staff

<u>Organization Name</u>	<u>Name</u>	<u>Role</u>	<u>Location</u>
Flatiron West, Inc.	Shawn Golden	Vice President	2100 Goodyear Rd. Benicia, CA 94510

List of Participants and Their Agents/Representatives Known to Staff

<u>Organization Name</u>	<u>Name</u>	<u>Role</u>	<u>Location</u>

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**Anderson Dam Tunnel Project**  
**Construction Contract Change (CO) Order Status**

CCO #	CIP Committee Date	Approval Date	Description	Amount	Contingency Amount	Approval Level	Status
		4/27/2021	Original Contract	\$161,140,321.00	\$40,000,000.00	Board	
1	1/18/2022	12/16/2021	Additional Tree Removal, Protection and Relocation	\$460,250.41	\$39,539,749.59	DOO	Approved
2	2/14/2022	4/26/2022	Outlet Works Vertical Shaft Re-sizing	\$3,783,119.15	\$35,756,630.44	CEO	Approved
3	5/16/2022	5/17/2022	Water Quality Monitoring Equipment, Miscellaneous demolition, TCEAP VHF/UHF Radios	\$131,603.28	\$35,625,027.16	AOO	Approved
4	6/13/2022	6/30/2022	Tunnel and Miscellaneous Items from CDC-001/001.1, Remove Taber Drilling from Scope	\$386,801.98	\$35,238,225.18	DOO	Approved
5	6/13/2022	6/30/2022	Upsizing Soil Nail Rows D&E from #18 to #20	\$228,562.00	\$35,009,663.18	DOO	Approved
6	7/18/2022	8/6/2022	Increased Quantity of Diversion Portal Excavation, Assistance with Geological Investigations, Internet access to Trailer # 2, and Change of Infill material for High Level Outlet Works (HLOW) Shaft	\$63,063.32	\$34,946,599.86	UM	Approved
7	9/26/2022	10/31/2022	DOS Foundation Excavation - Revised Soil Nail Wall, and Additional Environmental Compliance for Water Quality Monitoring and Soil Testing	\$1,526,724.84	\$33,419,875.02	ACEO	Approved
8	10/18/2022	10/26/2022	Disposal of Regulated and Organic Material	\$80,000.00	\$33,339,875.02	UM	Approved
9	11/14/2022	11/18/2022	3-D Modeling of HLOW Shaft	\$101,101.00	\$33,238,774.02	AOO	Approved
10	12/12/2022	12/19/2022	Monitoring of Additional Piezometer, Supplementary Support for the Transition Zone, DOS Portal Conditions, Partnering	\$1,971,946.48	\$31,266,827.54	ACEO	Approved
11	2/13/2023	12/19/2022	Time Related Overhead Time Impact Analysis 002	\$2,515,330.18	\$28,751,497.36	CEO	Approved
12	2/13/2023	1/19/2023	Increased Quantity of Diversion Tunnel Excavation Class 5	\$1,800,000.00	\$26,951,497.36	ACEO	Approved
13	2/13/2023	2/24/2023	Diversion Outlet Structure (DOS) Energy Dissipation Chamber Grated Access Opening	\$26,000.00	\$26,925,497.36	UM	Approved
14	3/20/2023	4/03/2023	Increased Quantity for 18.5 Foot Diameter Tunnel Excavation Class 5, Increased Quantity for Bid Item No. 2h, 2i, 2j, 2k. Decreased Quantity for Bid Item No. 5a and 5b.	\$156,000.00	\$26,769,497.36	AOO	Approved
15	3/20/2023	4/18/2023	Diversion Outlet Structure CLSM Saturday Premium Time, Diversion Portal Soil Nail Wall Condition	\$436,753.65	\$26,332,743.71	DOO	Approved
16	4/10/2023	5/12/2023	Surge Protection Device for Main Switchgear, CDC 015 Water Quality Instrumentation, Tree Trimming for Pacific Gas & Electric Pole Relocation	\$84,200.00	\$26,248,543.71	AOO	Approved
17	4/10/2023	5/12/2023	Increased Bid Item No. 11A Allowance - Other Wildlife and Fish Species, Specification Section 19.09	\$145,080.00	\$26,103,463.71	AOO	Approved
18	5/15/2023	5/30/2023	Traffic Support for Press Event	\$2,023.00	\$26,101,440.71	AOO	Approved
19	6/30/2023	5/25/2023	Increase Bid Item No. 5x Tunnel Excavation in Transition Zone - Class 5	\$994,500.00	\$25,106,940.71	ACEO	Approved
20	6/30/2023	8/10/2023	18" Hydro Return Line Decommissioning, Low Level Outlet Tunnel Steel Sets Enlargement, DPP8 Boring Survey Assistance, Air Vent Pipe Procurement, CDC 007.3 North Channel FWI Scope 2023, CDC 007.3 North Channel DTDS Scope 2023.	\$1,175,413.01	\$23,931,527.70	ACEO	Approved
21	6/30/2023	7/26/2023	Time Related Overhead Time Impact Analysis 003	\$884,042.66	\$23,047,485.04	ACEO	Approved

**Anderson Dam Tunnel Project**  
**Construction Contract Change (CO) Order Status**

CCO #	CIP Committee Date	Approval Date	Description	Amount	Contingency Amount	Approval Level	Status
22	8/21/2023	7/31/2023	Additional Shotcrete in the Transition Zone, Increase in Bid Item No. 5g – Transition Zone Rock Bolts	\$424,016.00	\$22,623,469.04	DOO	Approved
23	8/21/2023	9/27/2023	Anderson Force Main Galvanic Cathodic Protection, Air Vent Pipe Installation	\$573,874.58	\$22,049,594.46	ACEO	Approved
24	10/16/2023	11/21/2023	Micro-Tunnel Boring Machine (MTBM) Lake Tap Tie Down, Reservoir Log Boom Relocation	\$108,205.00	\$21,941,389.46	AOO	Approved
25	10/16/2023	11/27/2023	North Channel Tree Removal, Allowance Increase for Additional Environmental Compliance for Water Quality Monitoring and Soil Testing, Access Hatch for HLOW Shaft.	\$848,456.00	\$21,092,933.46	ACEO	Approved
26	11/13/2023	12/23/2023	Quantity Increase for Bid Item No. 5d – 24 Foot Diameter Tunnel Excavation Class 3, Quantity Increase for Bid Item No. 5g – Transition Zone Rock Bolts, Allowance Increase for Bid Item No. 11a – Other Wildlife and Fish Species Increase, V-Ditch Extension at 460, Winterization of North Channel Dike 2023	\$833,772.00	\$20,259,161.46	ACEO	Approved
27	12/11/2023	1/04/2024	Cost Increase for DOS Foundation Excavation – Revised Soil Nail Wall ,Quantity Increase for Bid Item No. 5r – Pre-excavation Drilling Within Rock Tunnel.	\$1,341,261.43	\$18,917,900.03	ACEO	Approved
28	12/11/2023	1/19/2024	Quantity Increase for Bid Item 4c Lake-Tap Excavation (Dredging) Microtunnel Boring Machine Landing Pad	\$570,375.00	\$18,347,525.03	ACEO	Approved
29	1/22/2024	12/26/2023	Bid Item Increase 5o - Probing within Rock Tunnel	\$370,800.00	\$17,976,725.03	DOO	Approved
30	1/22/2024	2/14/2024	Revised Motor Control Center (MCCA) Schedule, Additional Telemetry Pull Box, Material Escalation due to Delay in Issuing Notice to Proceed (NTP) 2A/2B, Credit for Hoot Owl Way Landslide Supplemental Work.	-\$1,822,581.61	\$19,799,306.64	ACEO	Approved
31	2/26/2024	3/20/2024	Cost increase for North Channel Dewatering Wells, 2024 Reservoir Log Boom Relocation Allowance, Alternative Initial Lining - Sawtooth Design Method, Concrete Abrasion Testing, Allowance for Trash Rack Foundation Design Changes	\$1,457,191.11	\$18,342,115.53	ACEO	Approved
32	3/18/2024	4/09/2024	Additional Cost for Diversion Outlet Structure (DOS) Rock Anchors Installation, Geological and Phytophthora Test Pits	\$163,736.00	\$18,178,379.53	AOO	Approved
33	4/22/2024	6/17/2024	Diversion Outlet Structure Roof Top Baffle, Articulated Joint Mockup	\$1,082,734.00	\$17,095,645.53	ACEO	Approved
34	5/20/2024	9/17/2024	North Channel Extension - Dewatering and Dike Design Submittals	\$47,435.00	\$17,048,210.53	UM	Approved
35	4/22/2024	7/05/2024	Coyote Creek Modifications - North Channel	\$10,148,710.20	\$6,899,500.33	CEO	Approved
36	6/17/2024	TBD	Concrete Pad for Generator, Concrete Pad for Main Switchboard (MSA), Differing Site Condition for Dredging Operation	\$2,647,633.00	\$4,251,867.33	CEO	Pending
37	7/15/2024	9/13/2024	Middle Intake Modification, Bid Item Quantity Adjustment (5e, 5o, 5r, 5s, 5t, 5u, 5v), Seismic Pipe Material Deduction	-\$14,948,984.00	\$19,200,851.33	ACEO	Approved

**Anderson Dam Tunnel Project**  
**Construction Contract Change (CO) Order Status**

CCO #	CIP Committee Date	Approval Date	Description	Amount	Contingency Amount	Approval Level	Status
38	8/19/2024	9/28/2024	Bid Item 5c (18.5-foot Diameter Tunnel Excavation – Class 5) Overrun Unit Price Adjustment, Drilling Program Plan 09 (DPP 09) Phase 1, 24-in, 96-in, and 156-in Pipe Extension Material Cost	\$3,799,721.30	\$15,401,130.03	CEO	Approved
DCO #	CIP Committee Date	Approval Date	Description	Amount	Contingency Amount	Approval Level	Status
1	09/26/22	10/05/22	Milestone 7, 9, and 10 Completion Revisions	\$0.00	\$14,723,531.05	UM	Approved

**New CCOs for CIP Committee**

Pending CCO #	CIP Committee Date	Approval Date	Description	Amount	Contingency Amount	Approval Level	Status
40	11/01/2024	TBD	North Channel Hinge Riprap, Coyote Creek Modifications - North Channel Extension, Tree Removal and Storage Costs, Increase in Bid Quantity – Bid Items No. 2h, 2i, 2j, and 2k, Credit for Boat Marina Landslide Supplemental Work	\$427,945.00	\$14,295,586.05	ACEO	Pending
41	11/01/2024	TBD	Transition Zone Quantity Overrun, Underrun, and Unit Price Adjustments - Bid Items No. 5g, 5w and 5x, 3.75 to 1 Slope and Disposal Pile Erosion Control, Trash Rack Panel Design Change	\$3,730,825.00	\$10,564,761.05	CEO	Pending

Total CCOs  
 Approved  
 Total CCOs  
 Pending

40

Total \$25,276,468.95

\$14,723,531.05

2

Total \$4,158,770.00

\$10,564,761.05

Total Number of COs (Approved & Pending)	Total Amount of COs (Approved & Pending)
42	\$29,435,238.95

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**Anderson Dam Tunnel Project - Construction Contract Financials**

Bid Item No.	Description	Amount	Balance Remaining	Billing Through September 2024	
				Percent (%)	Amount
1	MOBILIZATION AND DEMOBILIZATION	\$ 16,150,000.00	\$ 1,782,750.00	89.0%	\$ 14,367,250.00
2	SITE PREPARATION	\$ 5,713,000.00	\$ 362,757.78	93.7%	\$ 5,350,242.22
3	DIVERSION PORTAL	\$ 6,173,496.00	\$ 261,886.40	95.8%	\$ 5,911,609.60
4	LAKE-TAP PORTAL	\$ 4,215,000.00	\$ 678,380.00	83.9%	\$ 3,536,620.00
5	TUNNEL EXCAVATION AND LINING	\$ 47,438,325.00	\$ 23,956,756.29	49.5%	\$ 23,481,568.71
6	SHAFT EXCAVATION AND LINING	\$ 10,100,000.00	\$ 4,336,360.00	57.1%	\$ 5,763,640.00
7	MICROTUNNEL	\$ 9,982,000.00	\$ 775,150.00	92.2%	\$ 9,206,850.00
8	DIVERSION OUTLET STRUCTURE	\$ 48,678,550.00	\$ 30,295,974.81	37.8%	\$ 18,382,575.19
9	COYOTE CREEK MODIFICATIONS	\$ 6,421,550.00	\$ 20,000.00	99.7%	\$ 6,401,550.00
10	SUPPLEMENTAL WORK ITEMS	\$ 5,668,400.00	\$ 2,260,000.00	60.1%	\$ 3,408,400.00
11	ALLOWANCES	\$ 600,000.00	\$ 155,795.62	74.0%	\$ 444,204.38
		<b>Total Original Contract Amount</b>	<b>Total Balance Remaining</b>	<b>Percent (%) Billed</b>	<b>Total Billed To Original Contract Amount</b>
		<b>\$ 161,140,321.00</b>	<b>\$ 64,885,810.90</b>	<b>60%</b>	<b>\$ 96,254,510.10</b>

CCOs	Description	Amount	Balance Remaining	Billing Through September 2024	
				Percent (%)	Amount
CCO 1-33, 35, 38	CONTRACT CHANGE ORDERS (CCO)	\$ 36,852,785.97	\$ 8,142,818.18	78%	\$ 28,709,967.79
		<b>Total Contract Amount Including CCOs</b>	<b>Total Balance Remaining Including CCOs</b>	<b>Total Percent (%) Billed Including CCOs</b>	<b>Total Billed Including CCOs</b>
		<b>\$ 197,993,106.97</b>	<b>\$ 73,028,629.08</b>	<b>63%</b>	<b>\$ 124,964,477.89</b>

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# Santa Clara Valley Water District

File No.: 24-0653

Agenda Date: 11/1/2024

Item No.: 4.5.

## COMMITTEE AGENDA MEMORANDUM Capital Improvement Program Committee

Government Code § 84308 Applies: Yes  No   
(If "YES" Complete Attachment A - Gov. Code § 84308)

### SUBJECT:

Review 2024 Capital Improvement Program Committee Work Plan.

### RECOMMENDATION:

Review the 2024 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 in preparing an Annual Committee Accomplishments Reports.

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.

Regular monthly meetings are scheduled to occur at 11:00 a.m., on the third Monday of each month, or at the call of the Committee Chair.

Establishing a work plan and meeting schedule is necessary to provide staff with a basis for meeting planning, logistics coordination, and agenda item preparation. Attachment 1 is the 2024 CIP committee work plan for review and comments by the CIP committee.

**ENVIRONMENTAL JUSTICE AND EQUITY IMPACT:**

There are no environmental justice and equity impacts associated with this item. This action is unlikely to or will not result in human health or environmental effects.

**ATTACHMENTS:**

Attachment 1: 2024 CIP Committee Work Plan

**UNCLASSIFIED MANAGER:**

Candice Kwok-Smith, 408-630-3193

# CIP Committee 2024 Work Plan

	<u>Jan</u>	<u>Feb</u>	<u>Mar</u>	<u>Apr</u>	<u>May</u>	<u>Jun</u>	<u>Jul</u>	<u>Aug</u>	<u>Sep</u>	<u>Oct</u>	<u>Spec Mtg on 11/1</u>	<u>Nov</u>	<u>Dec</u>
<b>Capital Project Monitoring</b>													
Feasibility/Planning	X			X		X				X			
Design/Permitting		X			X			X		X			
Construction	X		X			X			X			X	
Environmental Permit Compliance (Post Construction)						X							
<b>CIP Implementation</b>													
Construction Contractor Compliance		X											
Headquarters Operations Building Planning		X											
Construction Activities Carbon Footprint										X			
Master Plan/Implementation Projects				X	X								
Dam Safety Program Strategy							X						
Almaden Valley Pipeline Replacement								X					
Anderson Dam Seismic Retrofit Project Procurement Plan									X				
10-Year Pipeline Inspection and Rehabilitation Project													
Almaden Dam Fiscal Analysis													
<b>CIP Development</b>													
CIP Development Process										X			
• Annual CIP Development Process, Integrated Financial Planning, and Review of CIP FY2025-29 Five-Year Plan Projects by Category													
• Review of Initially Validated and Unfunded Projects											X		
CIP Preliminary Five-Year Plan Review												X	
• Review Significant Project Plan Updates												X	
<b>Standing Items</b>													
Anderson Dam Tunnel Project Contingency and Change Order Monitoring	X	X	X	X	X	X	X	X	X	X		X	
Upcoming Consultant Agreement Amendments	X	X	X	X	X	X	X	X	X	X		X	
Workplan	X	X	X	X	X	X	X	X	X	X		X	
Minutes	X	X	X	X	X	X	X	X	X	X		X	
Annual Election of Committee Officer					X								

Attachment 1

Page 1 of 1

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