

December 8, 2023

MEETING NOTICE**SANTA CLARA VALLEY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM COMMITTEE**

Members of the Capital Improvement Program Committee:

Director Nai Hsueh, Chairperson
Director Tony Estremera, Vice-Chairperson
Director Jim Beall, Committee Member

Staff Support of the Capital Improvement Program Committee:

Rick L. Callender, Esq., Chief Executive Officer
Melanie Richardson, Asst. Chief Executive Officer
Bhavani Yerrapotu, Deputy Operating Officer of
Watersheds, Design and Construction Unit
Darin Taylor, Chief Financial Officer
Aaron Baker, Chief Operating Officer –Water Utility
Chris Hakes, Chief Operating Officer -Watersheds
Rachael Gibson, Chief of External Affairs
Tina Yoke, Chief Administrative Officer
Leslie Orta, Senior Assistant District Counsel
Audrey Beaman, Assistant District Counsel
Sam Bogale, Deputy Operating Officer
Tony Ndah, Deputy Administrative Officer
Don Rocha, Deputy Administrative Officer
John Bourgeois, Deputy Operating Officer
Jennifer Codianne, Deputy Operating Officer
Emmanuel Aryee, Deputy Operating Officer
Vincent Gin, Deputy Operating Officer
Gregory Williams, Deputy Operating Officer
Patrice McElroy, Deputy Administrative Officer
Alex Gordon, Acting Deputy Administrative Officer
Lisa Bankosh, Assistant Officer
Kirsten Struve, Assistant Officer
Bryant Welch, Labor Relations Officer

David Montenegro, Principal Construction
Contracts Administrator
Erin Baker, Asset Management Manager
Charlene Sun, Treasure & Debt Manager
Jessica Collins, Business Planning &
Analysis Unit Manager
Enrique De Anda, Budget Manager
Jennifer Martin, Program Administrator
Conception Gayotin, Purchasing & Contracts
Manager
Linh Hoang, Communications Manager
Jill Bernhard, Acting System Development &
Support Manager
Sarah Berning, Program Administrator
Phyllis Chen, Senior Management Analyst
Alison Phagan, Senior Management Analyst
Stacy Klopfer, Senior Management Analyst
Agnes Lee, Senior Management Analyst
Chenlei Yao, Senior Management Analyst
Feliser Lee, Senior Management Analyst
Timothy Chan, Management Analyst II
Kristie Resendez, Management Analyst II

A Santa Clara Valley Water District special Capital Improvement Program Committee meeting has been scheduled to occur at 1:30 p.m. on Monday, December 11, 2023 at the Headquarters Building Boardroom located at the Santa Clara Valley Water District, 5700 Almaden, San Jose, CA.

Members of the public may join at: <https://valleywater.zoom.us/j/94158013374>.

The meeting agenda and corresponding materials are located on the Committee's website at: <https://www.valleywater.org/how-we-operate/committees/board-committees>.

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Santa Clara Valley Water District Capital Improvement Program Committee Meeting

HQ Building Boardroom, 5700 Almaden Expressway, San Jose, CA 95118

REGULAR MEETING AGENDA

**Monday, December 11, 2023
1:30 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 Estremera, 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

Monday, December 11, 2023

1:30 PM

HQ Building Boardroom, 5700 Almaden
Expressway, San Jose, CA 95118

Join Zoom Meeting:
<https://valleywater.zoom.us/j/94158013374>

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 November 13, 2023 Capital Improvement Program Committee Minutes. [23-0486](#)
Recommendation: Approve the minutes.
Manager: Candice Kwok-Smith, 408-630-3193
Attachments: [Attachment 1: 11/13/23 CIP Committee Meeting Minutes](#)
Est. Staff Time: 5 Minutes

4. REGULAR AGENDA:

- 4.1. Receive Information on Change Orders to Anderson Dam Tunnel Project Construction Contract. [23-1155](#)
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](#)
[Attachment 1: Construction Contract Change Orders Status](#)
[Attachment 2: Construction Contract Financial Status](#)
Est. Staff Time: 5 minutes
- 4.2. Review the Capital Project Plan Updates From the Board Adopted Capital Improvement Program Fiscal Year 2024-28 Five-Year Plan and Review and Consider Recommendations Regarding the Development of the Capital Improvement Program Preliminary Fiscal Year 2025-29 Five-Year Plan. [23-0991](#)
Recommendation: Review the Capital Project Plan Updates from the Board Adopted Capital Improvement Program Fiscal Year 2024-28 Five-Year Plan and review and consider recommendations regarding the development of the Capital Improvement Program Preliminary Fiscal Year 2025-29 Five-Year Plan and provide recommendations to staff as needed.
Manager: Luz Penilla, 408-630-2228
Attachments: [Attachment 1: Capital Project Plan Updates](#)
[Attachment 2: Preliminary FY 2025-29 Five-Year Plan](#)
[Attachment 3: Funding Categories by Fund](#)
[Attachment 4: Initially Validated Unfunded Project Recommendations](#)
[Attachment 5: PowerPoint](#)
Est. Staff Time: 20 minutes

- 4.3. Review 2023 and 2024 Capital Improvement Program Committee Work Plans and 2024 Proposed Meeting Schedule. [23-1157](#)

Recommendation: A. Review the 2024 Capital Improvement Program Committee Draft Work Plan and make adjustments, as necessary; and
 B. Confirm dates for 2024 CIP Committee meetings.

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

Attachments: [Attachment 1: 2023 CIP Committee Work Plan](#)
[Attachment 2: 2024 CIP Committee Work Plan](#)
[Attachment 3: Proposed 2024 CIP Committee Meeting Dates](#)

Est. Staff Time: 5 minutes

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 Special Meeting at 11:00 a.m. on Monday, January 22, 2024.

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Santa Clara Valley Water District

File No.: 23-0486

Agenda Date: 12/11/2023

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 November 13, 2023 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: 11/13/23 CIP Committee Meeting Minutes

UNCLASSIFIED MANAGER:

Candice Kwok-Smith, 408-630-3193

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CAPITAL IMPROVEMENT COMMITTEE MEETING

DRAFT MINUTES

**SPECIAL MEETING
MONDAY, November 13,
2023
11:00 AM**

(Paragraph numbers coincide with agenda item numbers)

1.CALL TO ORDER:

A special 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 11:04 a.m.

1.1 Roll Call.

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

Staff members in attendance were: Huggen Angeles, Joseph Aranda, Emmanuel Aryee, Erin Baker, Audrey Beaman, Wade Blackard, Sam Bogale, John Bourgeois, Rita Chan, Jen Codianne, Jessica Collins, Vanessa De La Piedra, Alicia Fraumeni, Meenakshi Ganjoo, Andy Gschwind, Bassam Kassab, Emelia Lamas, Dave Leon, Ryan McCarter, Patrice McElroy, Becky Manchester, Katie Muller, Julianne O'Brien, Carlos Orellana, Sophie Padilla, Luz Penilla, Melanie Richardson, Don Rocha, Amandeep Saini, Michelle San Miguel, Diahann Soleno, Odilia Teixeira, Gregory Williams, and Bhavani Yerrapotu.

Public in attendance were: Rebecca Eisenberg, JC, Osha Meserve, My, Rick, and SJ.

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.

Chairperson Hsueh noted that the Committee received a letter from the Sierra Club relating to the Anderson Dam Environmental Impact Report.

3.APPROVAL OF MINUTES:

- 3.1. Approval of October 16, 2023 and October 30, 2023 Capital Improvement Program Committee Meeting Minutes.

Recommendation: Approve the minutes.

The Committee considered the attached minutes of the October 16, 2023 and October 30, 2023 Committee meetings.

Public Comments: None.

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

Regular Agenda:

- 4.1. 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.

Emmanuel Aryee, Ryan McCarter, and Bhavani Yerrapotu 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, and Bhavani Yerrapotu reviewed rows marked BY.

Emmanuel Aryee, Ryan McCarter, Bhavani Yerrapotu, Jessica Collins, Melanie Richardson, and John Bourgeois were available to answer questions.

Public Comments: None.

Vice Chairperson Estremera arrived at 11:07 a.m.

The Committee received the information, took no formal action, and noted the following:

- The Committee request that staff add the Almaden Valley Pipeline Replacement project to the Committee workplan for further discussion.
- The Committee requested that staff provide information to the Committee relating to the Watershed Asset Rehabilitation Program and communication with the City of San Jose regarding unhoused individuals, including the impact of unhoused individuals on watersheds and water quality, fixing banks, and restoration costs.

4.2. 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.

4.3. Receive Information on Upcoming Consultant Agreement Amendments for Capital Projects.

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

Bhavani Yerrapotu and John Bourgeois reviewed the information on this item and were available to answer questions.

Public Comments: None.

The Committee received the information and took no formal action.

4.4 Staff responses to Capital Improvement Program (CIP) Committee member requests made at the October 30, 2023, Special Meeting regarding certain CIP and non-CIP projects.

Luz Penilla reviewed the information on this item, per the attached Committee Agenda Memo. Luz Penilla, Bassam Kassab, and Vanessa De La Piedra were available to answer questions.

Public Comments: None.

The Committee received the information, took no formal action, and requested that staff investigate possible cost sharing opportunities with local transportation agencies.

4.5 Review 2023 Capital Improvement Program Committee Work Plan.

Recommendation: Review the 2023 Capital Improvement Program Committee Draft Work Plan and make adjustments, as necessary.

The Committee considered this item without a staff presentation.

Public Comments: None.

The Committee received the information and took no formal action.

Chairperson Hsueh requested that the standing reports on the December agenda be moved to January 2024. She further noted that she will collaborate with staff to determine the date of the January 2024 meeting.

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 confirmed with Dave Leon their request for staff to follow up on the previously noted briefings.

6. Adjourn:

6.1. Adjourn to Special Meeting at 1:30 p.m. on December 11, 2023.

Chairperson Hsueh adjourned the meeting at 12:34 p.m. to the special meeting at 1:30 p.m. on December 11, 2023.

Dave Leon
Assistant Deputy Clerk II

Date Approved:



Santa Clara Valley Water District

File No.: 23-1155

Agenda Date: 12/11/2023

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:

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

Additional Information on Construction Contract Change Order #25 - North Channel Tree Removal Item

During the October 16, 2023, CIP meeting, staff presented a construction change order item titled "North Channel Tree Removal" and described the removal of 121 additional trees and trimming of 13 trees in the vicinity of the North Channel. The CIP Committee requested more information about this item to clarify the work and describe the mitigation. This item was originally presented for discussion as part of Contract Change Order #24 and has since been renumbered and is now included in Contract Change Order #25.

Trees removed as part of the Anderson Dam Tunnel Project (ADTP) were evaluated and accounted for in the FERC Order Compliance Project (FOCP) Habitat Mitigation and Monitoring Plan (HMMP) and the Anderson Dam Seismic Retrofit (ADSRP) Draft Environmental Impact Report (EIR). The FOCP HMMP includes restoration of the Live Oak Picnic Area around the South Channel of Coyote Creek. Although most of these restoration activities will occur within the creek channel, riparian vegetation will also be replanted as a result of the HMMP implementation. The impacts analyzed in the DEIR included the 121 trees incorporated into the ADTP contract under Contract Change Order #25.

The additional 121 trees were removed to accommodate the design change for the adjustable and labyrinth weirs in response to resource agency comments including consultation with the National Marine Fisheries Services (NMFS) for adjustable flows in the North and South channels of Coyote Creek. All riparian trees removed were approved by California Department of Fish and Wildlife (CDFW) prior to removal. A Restoration Plan to offset impacts from trees removed during ADTP and ADSRP within the County of Santa Clara park where Anderson Dam is located will be developed in cooperation with the County of Santa Clara Parks Department. Additional details for the restoration will be included in the Final EIR.

Within the EIR, all of the main ADSRP components also include the replanting of disturbed areas, to the greatest extent feasible, following construction activities including staging areas, dam retrofit areas, borrow areas, Ogier Ponds, the Coyote Percolation Pond facility, and the North Channel Extension. These replantings will be done in accordance with Best Management Practices (BMPs) REVEG-1 & 2, and BI-8 that require Valley Water to revegetate with native species.

New Construction Contract Change Orders

There are two new Contract Change Orders (CCO #27 and CCO #28) to present to the CIP Committee. The net value of the Contract Change Orders is \$2,004,536.43. Also included for reference are two attachments providing information on construction contract change orders (Attachment #1) and construction contract financials (Attachment #2).

Contract Change Order #27

1. **Fish Habitat Trees.** Valley Water identified 34 trees that were allocated for future use as instream channel enhancement features. This cost includes removing the designated trees intact from the ADSRP site and transporting them to an off-site staging area. This portion of the change order is estimated to be valued at \$80,900.00.
2. **Geological and Phytophthora Test Pits.** In order to characterize the extent of plant pathogen phytophthora in the North Channel of Coyote Creek, Valley Water requested that the contractor perform exploratory phytophthora test pits. Additionally, to investigate potential faulting near the High-Level Outlet Works Shaft, exploratory geotechnical test strips were performed in the presence of a geologist. This portion of the change order is estimated to be valued at \$12,000.00.
3. **Quantity Increase for Bid Item 4c - Lake-Tap Excavation (Dredging) Micro-Tunnel Boring Machine Landing Pad.** Valley Water issued Contract Document Clarification (CDC) 036 which revised the underwater excavation (dredging) plan for the Diversion Tunnel Lake Tap Portal work. This revision was based on findings from a geotechnical boring investigation conducted in the Anderson Dam Reservoir. CDC 036 increased the quantity of material to be removed from the reservoir in order to meet the foundation objection for the underwater trash rack structure and included the removal of additional material from the slopes based on updated stability analysis.

Contract Bid Item No. 4c - Lake Tap Excavation (Dredging) Micro-tunnel Boring Machine Landing Pad provided a fixed quantity of 16,900 cubic yards (CY) of dredged material to be removed. Based on changes to the dredging scope per CDC 036, this change order provides a bid item quantity increase of 4,225 CY, resulting in a revised total quantity of 21,125 CY. The cost for this change will be compensated at the original bid unit rate of \$135 per CY. This portion of the change order is valued at \$570,375.00

4. **Cost Increase for DOS Foundation Excavation - Revised Soil Nail Wall.** Valley Water issued CDC 018 with revised plans for installation of additional soil nails on the 0.5:1 slope at the Diversion Outlet Structure (DOS) to address safety concerns related to the excavation sequence of the slope. This work includes the costs for installation of additional rows of soil nails, changes to sequence of work for excavation and placement of shotcrete lifts over welded wire mesh. Valley Water previously issued Contract Change Order # 7 to authorize Flatiron to

proceed with the revised soil nail wall per Section 3.07.03 Time-and Materials Work with an estimated not-to-exceed budget of \$1,000,000.00. The work related to CDC 018 is now complete and the total cost for all labor, material, equipment is \$1,141,261.43. This change order will compensate Flatiron for the overrun cost required to complete the work. This portion of the change order is valued at \$141,261.43.

Contract Change Order #28

- 1. Quantity Increase for Bid Item No. 5r - Pre-excavation Drilling Within Rock Tunnel.** The purpose of pre-excavation drilling and grouting is to reduce groundwater infiltration and seepage into the tunnel and/or improve ground conditions during excavation. This is done by drilling probe holes about 50 to 100 feet ahead of the tunnel face to explore existing groundwater conditions in advance of the excavation. When groundwater is encountered in the probe holes, grout is injected into the ground through the drilled holes to reduce the groundwater transmission in the ground ahead.

In preparing the bid documents, the ADSRP design consultant and Valley Water evaluated geotechnical engineering data and estimated expected quantities of grouting that would be required, but the actual quantities cannot be known until the pre-excavation drilling program is initiated in the tunnel, which will ultimately determine the actual quantity of drilling and grouting that will be required.

Contract Bid Item No. 5r - Pre-Excavation Drilling Within Rock Tunnel, provided a fixed quantity of 4,000 linear feet (LF) for pre-excavation drilling which has been expended earlier than anticipated due to additional drilling after continuously encountering significant groundwater in the probe holes following grout cycles.

Therefore, an increase to the bid quantity is necessary to continue the tunneling operations. This change order will provide a quantity increase of 4,000 LF beyond the original bid quantity, resulting in a revised total quantity of 8,000 LF. The cost for this change will be compensated at the original bid unit rate of \$300 per LF. This change order is valued at \$1,200,000.00.

ENVIRONMENTAL JUSTICE IMPACT:

There are no Environmental Justice impacts associated with this item.

ATTACHMENTS:

Attachment A: Government Code §84308

File No.: 23-1155

Agenda Date: 12/11/2023
Item No.: 4.1.

Attachment 1: Construction Contract Change Orders Status
Attachment 2: Construction Contract Financial Status

UNCLASSIFIED MANAGER:
Ryan McCarter, 408-630-2983

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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 Change Order (CO) Status - Contract and Directed**

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

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

CCO #	CIP Committee Date	Approval Date	Description	Amount	Contingency Amount	Approval Level	Status
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
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

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

CCO #	CIP Committee Date	Approval Date	Description	Amount	Contingency Amount	Approval Level	Status
26	11/13/2023	TBD	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	Pending
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	\$20,259,161.46	UM	Approved

New COs for CIP Committee

Pending CCO #	CIP Committee Date	Approval Date	Description	Amount	Contingency Amount	Approval Level	Status
27	12/11/2023	TBD	Additional Fish Habitat Tree, Geological and Phytrophthora Test Pits, Quantity Increase for Bid Item 4c - Lake Tap Excavation (Dredging), 4c, Cost Increase for DOS Foundation Excavation – Revised Soil Nail Wall	\$804,536.43	\$19,454,625.03	ACEO	Pending
28	12/11/2023	TBD	Quantity Increase for Bid Item No. 5r – Pre-excavation Drilling Within Rock Tunnel.	\$1,200,000.00	\$18,254,625.03	ACEO	Pending
Pending DCO #	CIP Committee Date	Approval Date	Description	Amount	Contingency Amount	Approval Level	Status

Total Approved	27	Total	\$19,740,838.54	\$20,259,161.46
Total Pending	2	Total	\$2,004,536.43	\$18,254,625.03

Total Number of COs (Approved & Pending)	Total Amount of COs (Approved & Pending)
29	\$21,745,374.97

Abbreviations
CO = Change Order, Contract and/or Directed
CCO = Contract Change Order
DCO = Directed Change Order

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Anderson Dam Tunnel Project - Construction Contract Financials

Bid Item No.	Description	Amount	Balance Remaining	Billing Through October 2023	
				Percent (%)	Amount
1	MOBILIZATION AND DEMOBILIZATION	\$ 16,150,000.00	\$ 2,660,181.24	84%	\$ 13,489,818.76
2	SITE PREPARATION	\$ 5,713,000.00	\$ 981,107.78	83%	\$ 4,731,892.22
3	DIVERSION PORTAL	\$ 6,173,496.00	\$ 261,886.40	96%	\$ 5,911,609.60
4	LAKE-TAP PORTAL	\$ 4,215,000.00	\$ 1,655,640.00	61%	\$ 2,559,360.00
5	TUNNEL EXCAVATION AND LINING	\$ 47,438,325.00	\$ 31,520,565.00	34%	\$ 15,917,760.00
6	SHAFT EXCAVATION AND LINING	\$ 10,100,000.00	\$ 4,336,360.00	57%	\$ 5,763,640.00
7	MICROTUNNEL	\$ 9,982,000.00	\$ 9,052,000.00	9%	\$ 930,000.00
8	DIVERSION OUTLET STRUCTURE	\$ 48,678,550.00	\$ 36,669,340.76	25%	\$ 12,009,209.24
9	COYOTE CREEK MODIFICATIONS	\$ 6,421,550.00	\$ 4,813,167.00	25%	\$ 1,608,383.00
10	SUPPLEMENTAL WORK ITEMS	\$ 5,668,400.00	\$ 5,668,400.00	0%	\$ -
11	ALLOWANCES	\$ 600,000.00	\$ 250,255.15	58%	\$ 349,744.85
		Total Original Contract Amount	Total Balance Remaining	Percent (%) Billed	Total Billed To Original Contract Amount
		\$ 161,140,321.00	\$ 97,868,903.33	39%	\$ 63,271,417.67

COs	Description	Amount	Balance Remaining	Billing Through October 2023	
				Percent (%)	Amount
CCO 1-23	CONTRACT CHANGE ORDERS (CCO)	\$ 17,950,405.60	\$ 3,462,727.36	81%	\$ 14,487,678.24
DCO 1	DIRECTED CHANGE ORDERS (DCO)	\$ -	\$ -		\$ -
		Total Contract Amount Including COs	Total Balance Remaining Including COs	Total Percent (%) Billed Including COs	Total Billed Including COs
		\$ 179,090,726.60	\$ 101,331,630.69	43%	\$ 77,759,095.91

Abbreviations

CO = Change Order, Contract and/or Directed

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Santa Clara Valley Water District

File No.: 23-0991

Agenda Date: 12/11/2023

Item No.: 4.2.

COMMITTEE AGENDA MEMORANDUM Capital Improvement Program Committee

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

SUBJECT:

Review the Capital Project Plan Updates From the Board Adopted Capital Improvement Program Fiscal Year 2024-28 Five-Year Plan and Review and Consider Recommendations Regarding the Development of the Capital Improvement Program Preliminary Fiscal Year 2025-29 Five-Year Plan.

RECOMMENDATION:

Review the Capital Project Plan Updates from the Board Adopted Capital Improvement Program Fiscal Year 2024-28 Five-Year Plan and review and consider recommendations regarding the development of the Capital Improvement Program Preliminary Fiscal Year 2025-29 Five-Year Plan and provide recommendations to staff as needed.

SUMMARY:

The Capital Improvement Program (CIP) Five-Year Plan is updated each year to reflect major changes to Santa Clara Valley Water District (Valley Water) capital projects in the planning, design, and construction phases.

The purpose of this agenda item is for the CIP Committee to review and discuss the capital project plan updates from the Board Adopted CIP Fiscal Year (FY) 2024-28 Five-Year Plan (Attachment 1) and to review and consider recommendations regarding the development of the CIP Preliminary FY 2025-29 Five-Year Plan (Attachment 2).

Based upon the project plan updates presented in Attachment 1, the total project cost (TPC) increases or decreases (with inflation) from the Board Adopted CIP FY 2024-28 Five-Year Plan by fund are as follows: General Fund (Fund 11) decreased by \$1.39M; Watersheds Stream Stewardship Fund (Fund 12) increased by \$29.15M; Safe, Clean Water and Natural Flood Protection Program Fund (Fund 26) decreased by \$2.64M; Water Utility Enterprise Fund (Fund 61) increased by \$963.31M; and Information Technology Fund (Fund 73) increased by \$69K. These totals are considered to be the Baseline Preliminary Five-Year Plan totals and do not reflect any recommended changes.

Not included in the CIP Preliminary FY 2025-29 Five-Year Plan are Valley Water contributions to water infrastructure capital investments being led by external agencies. While not included in the CIP, these investments are being evaluated through the development of the Water Supply Master Plan (WSMP) 2050 and budgeted and forecasted through operating projects. They are also included and reflected in the financial modeling that is analyzed during the development of the CIP Five-Year Plan. These investments include:

1. Los Vaqueros Reservoir Expansion Project
2. Sisk Dam Raise Project (Staff plans to recommend to the full Board that Sisk Dam Raise be included in the baseline for financial modeling purposes)
3. Delta Conveyance Project

Additionally, to ensure consistency with Valley Water's various planning efforts, CIP staff continues to coordinate with staff leading the development of the WSMP 2050. The WSMP 2050 assumes that capital projects included in the Five-Year Plan that repair/replace existing infrastructure are baseline projects for inclusion in their planning efforts.

Initially Validated Unfunded Projects

Each year, 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.

Between October and November each year these newly-proposed, initially validated projects are presented to the CIP Committee and Board, along with a list of currently unfunded projects, which have been validated during prior years, for review and comment. Committee and Board feedback is then considered when preparing the recommended scenarios for the development of the CIP Preliminary Five-Year Plan.

During this year's cycle there were two currently validated unfunded projects and six newly-proposed, initially validated projects that were considered.

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 Board-approved 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. Category 3 applies to existing infrastructure projects that have 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 that are 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 that is 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 (goals and objectives for accomplishing Valley Water's Mission), the Board may approve the funding of projects in any category.

Attachment 3 provides an overview of the Funding Categories for all capital projects, by Fund, with TPCs and schedules updated to reflect the project plan updates detailed in Attachment 1. The CIP Evaluation Team reviewed the Funding Categories to help inform the development of recommendations for Board consideration.

Further, each of the Initially Validated/Unfunded existing infrastructure projects has 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.

Development of the CIP Preliminary Five-Year Plan

The CIP Evaluation Team (Chief Executive Officer (CEO), Assistant CEO, Chiefs and Deputies of the divisions initiating, delivering, implementing, and operating capital projects) meets in November of each year to consider the Committee and Board feedback received, review the financial models and determine which, if any, initially validated or unfunded projects should be recommended for inclusion in the CIP. 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/staff resources
- Urgency of investment

Based upon the outcome of its review, the CIP Evaluation Team provides recommendations regarding whether the newly proposed capital projects should be funded in the CIP Preliminary FY 2025-29 Five-Year Plan or remain on the unfunded list. Shown below in Table 1 and included as Attachment 4, are the CIP Evaluation Team's recommendations regarding the Initially Validated and Unfunded Projects.

**Table 1: CIP Evaluation Team Recommendations for
FY 25 Initially Validated and Unfunded Projects**

Project Name	Estimated Total Project Cost (\$ thousands w/inflation)	Phase	Potential Funding Source	FY 2023-24 Funding Category	CIP Evaluation Team Recommendations
FY 2023-24 Initially Validated Projects					
Regnart Creek Rehabilitation*	\$9,000	Design	Funds 12/26	Category 1 – Existing Infrastructure	Recommended for funding in the Preliminary CIP
Permanente & Hale Creek Concrete Replacement*	\$21,000	Design	Funds 12/26	Category 1 – Existing Infrastructure	Move to Unfunded List due to lack of staff resources
Supervisory Control and Data Acquisition Master Plan Implementation Project (SMP/IP) Upgrades Phase 1	\$11,000	Design	Fund 61	Category 2 – Existing Infrastructure	Recommended for funding in the Preliminary CIP
Alamitos Dam Replacement and Automation	\$10,000	Planning	Fund 61	Category 3 – Existing Infrastructure	Move to Unfunded List for additional analysis
San Jose Purified Water Project – Phase 1** (Demonstration Facility)	\$50,000	Planning	Fund 61	Category 3 – NEW Infrastructure	Recommended for funding in the Preliminary CIP
Coyote 10B Freshwater Wetlands	\$9,000	Planning	Fund 12	Category 3 – NEW Infrastructure	Recommended for funding in the Preliminary CIP (Mitigation Project)
Current Unfunded Projects					
South Babb Flood Protection (Long-Term)	\$23,000	Planning	Fund 12	Category 3 – Existing Infrastructure	Recommended to remain on Unfunded List
Pond A4 – Construction ONLY	\$34,000	Construction	Fund 12	Category 3 – NEW Infrastructure	Recommended to remain on Unfunded List

* Projects identified through planning under the Sustainable Creek Infrastructure Program (Safe, Clean Water - Project F8)

**Phase 2 San Jose Purified Water Project pending development of the Validation Study through the Phase 1 Demonstration Facility to meet Direct Potable Reuse requirements

Recommended Funding Scenarios for Consideration

The CIP Evaluation Team reviewed the fund models after inputting the project plan updates (Attachment 1), which were then utilized to prepare the Baseline CIP Preliminary FY 2025-29 Five-Year Plan. Based on the impact these changes had on the health of Funds 12, 26, and 61, and taking into consideration feedback received from the CIP Committee and the Board, the Team has prepared recommendations for each fund. The costs reflected below are estimated as project updates are still in progress. The CIP Evaluation Team recommendations will be updated to reflect the final processed project plan updates for the January 9, 2024, Board work study review of the CIP Preliminary FY 2025-29 Five-Year Plan.

Fund 12 Recommended Scenario = Baseline, with:

(-) \$97.5M Reduction	Removal of Lower Llagas Creek Capacity Restoration Project to Unfunded List in FY 25, with an additional \$1.5M in FY 24 to complete vegetation removal
(+) \$2.2M Transfer Out	Transfer into Fund 26 for F8: Sustainable Creek Infrastructure - Regnart Creek Rehabilitation Project
(+) \$8.9M New Project	Coyote 10B Freshwater Wetlands Project recommended for inclusion from the Initially Validated Project List

Fund 26 Recommended Scenario = Baseline, with:

(+) \$9.0M New Project	F8: Sustainable Creek Infrastructure - Regnart Creek Rehabilitation Project recommended for inclusion from the Initially Validated Project List
(-) \$2.2M Transfer In	Transfer in from Fund 12 into Fund 26 for F8: Sustainable Creek Infrastructure - Regnart Creek Rehabilitation Project
(-) \$9.9M Transfer In	Transfer in from Fund 61 into Fund 26 for IRP2 Project A3 cost increases above funding allocation

Fund 61 Recommended Scenario = Baseline, with:**Pending updates to existing capital projects:**

(+) \$20M Increase	\$20M for Almaden Calero Canal Rehabilitation of the Almaden Dam Improvements Project)
(+) \$20M Increase	\$20M for Purified Water Project
(-) \$9.9M Transfer Out	Transfer in from Fund 61 into Fund 26 for IRI cost increases above funding allocation

Initially validated capital projects recommended**for funding in CIP:**

(+) \$10.4M New Project	SCADA SMPIP Design Phase recommended from the Initially Validated Project List
(+) \$50M New Project	San Jose Purified Water Project - Phase 1 re inclusion from the Initially Validated Project L

New Pending Project Plan Updates/Project Plan Update Revisions to Funded Capital Projects

Since the Significant Project Plan Updates submittal deadline, there have been new project plan updates identified. The pending changes have not been finalized and therefore are not incorporated into the Baseline Preliminary FY 2025-29 Five-Year Plan. The changes will be incorporated and modeled for the January 9, 2024, Board Meeting.

A list of the projects with pending changes is provided below:

1. Almaden-Calero Canal Rehabilitation (91854003)
2. STWTP Filter Media Replacement (93284013)
3. Purified Water Program (91304001)
4. Software Upgrades & Enhancements (73274008)

5. Watershed Asset Rehabilitation Program (62084001)

Next Steps

To receive the Board's feedback and direction, staff will present the Preliminary Five-Year Plan and any CIP Committee recommendations to the Board for review and approval on January 9, 2024.

Additionally, to ensure consistency with Valley Water's various planning efforts, CIP staff continues to coordinate with staff leading the development of the Water Supply Master Plan 2050, One Water Plan, and Watersheds and Water Utility Operations and Maintenance Plans. These plans assume that capital projects included in the Five-Year Plan that repair/replace existing infrastructure are baseline projects for inclusion in their planning efforts. If necessary, these plans will be updated to align with the CIP FY 2025-29 Five-Year Plan, as adopted by the Board.

ENVIRONMENTAL JUSTICE IMPACT:

There are no Environmental Justice impacts associated with this item.

ATTACHMENTS:

Attachment 1: Project Plan Updates from CIP Adopted FY 2024-28 Five-Year Plan

Attachment 2: CIP Preliminary FY 2025-29 Five-Year Plan

Attachment 3: Capital Project Funding Categories by Fund

Attachment 4: Initially Validated/Unfunded Project Recommendations

Attachment 5: PowerPoint

UNCLASSIFIED MANAGER:

Luz Penilla, 408-630-2228

Summary of Capital Project Plan Updates from CIP Adopted Fiscal Year 2024-28 Five-Year Plan

Below is a detailed summary of all processed project plan updates with revised total project cost (TPC) from the CIP Adopted Fiscal Year (FY) 2024-28 Five-Year Plan by type of improvement. All of the project plan updates included in this attachment will be reflected in the baseline CIP Preliminary FY 2025-29 Five-Year Plan.

WATER SUPPLY - Storage Facilities:

1. **91854001 Almaden Dam Improvements Project**

SCOPE AND COST – Scope/Inflated TPC decreased by \$20.87M (scope and cost transferred to the Almaden-Calero Canal Rehabilitation Project) The Project scope includes (a) seismically stabilizing or reconstructing the Almaden Dam (Dam) intake structure, renovation of the outlet works, and determining if spillway modifications are necessary and (b) rehabilitating the Almaden-Calero Canal (Canal). According to the current plan, rehabilitation of the Canal will be completed by 2026 while construction improvements to the Dam will be completed later. At the May 2023 CIP Committee meeting, there was a recommendation to separate the Canal rehabilitation work from the Dam improvements work. Continuing to call the Project Almaden Dam Improvements when the work to be done within the next few years is only for the Canal can be confusing to some stakeholders. Therefore, the Canal portion of the scope is being removed from this Project. A new project for the Canal work, Almaden-Calero Canal Rehabilitation, has been created and given the new project number 91854003. The revised inflated TPC is \$40.46M.

2. **91854003 Almaden-Calero Canal Rehabilitation Project**

COST ONLY – Inflated TPC increased by \$4.52M (with \$20.87M transferred from the Almaden Dam Improvements Project, as described above)

The original project plan for the canal rehabilitation was included in the Almaden Dam Improvements Project. After the scope was extracted, the estimated project cost was revisited by the newly assigned project team because the project had been on hold for some time. The expenditures for the canal rehabilitation portion of the work will require additional funding to complete the work and reevaluate the project plan, specifically for the Environmental and Design Phases. The plan reflects an increase in Valley Water labor resources to support the environmental and design phases. The revised inflated TPC is \$25.39M.

3. **91864005 Anderson Dam Seismic Retrofit (C1) Project**

SCOPE, SCHEDULE, AND COST – Scope added/Overall Schedule extended by 1.5 years/Inflated TPC increased by \$894.39M

Scope Changes to the Anderson Dam Seismic Retrofit Project (ADSRP) can be summarized into two categories: 1) Additional Risk Reduction Measures – These added features help reduce potential risks during the execution of the construction work. Several winterization measures were added to each interim dam stage (five stages) to

convey flows over these temporary earth embankments if the reservoir level reaches the crest. These measures include sheet piles across the crest to convey flows into a channel lined with articulated concrete blocks. These risk reduction measures add significant scope, cost, and critical path schedule impacts. An optional additional year of construction was also added as a supplemental item if wet weather conditions impact completing a planned interim dam stage. 2) Design Developments – Several minor design developments during the 90% design phase have contributed to additional scope such as new in-reservoir haul roads, inlet/outlet structure modifications, a new gate shaft for the outlet works, and extension of the concrete emergency spillway. The ADSRP Draft Environmental Impact Report (DEIR) was released for public comment on September 1, 2023. The draft petition to surrender the hydropower facility to the Federal Energy Regulatory Commission (FERC) was submitted on September 28, 2023. The final petition to surrender is anticipated in February 2024. This step will initiate FERC's National Environmental Policy Act (NEPA) process, and it could potentially take up to two years for the FERC to issue Work Authorization. The completion dates for the Environmental, Design, Right-of-Way, Construction, and Closeout Phases have been updated to reflect a Work Authorization date of February 1, 2026, and a proposed start of construction on April 1, 2026. The end date of the Environmental Phase was extended through the construction of ADSRP to December 31, 2032, to reflect the Federal Energy Regulatory Commission Order Compliance Project (FOCP) environmental mitigation and monitoring activities that are not directly related to ADSRP construction activities.

Cost changes can be summarized into four categories: 1) Additional Risk Reduction Measures – as described in the scope changes above, these measures add significant labor, equipment, and material costs to the ADSRP. 2) Design Developments, as described in the scope changes above, these new developments add significant labor, equipment, and material costs to the ADSRP. 3) Material Costs – since the last construction cost estimate, material prices for items such as concrete and steel have drastically increased based on economic conditions. These are industry-wide cost impacts associated with post-COVID-19 supply chain issues and rapid inflation. 4) Anticipated Contractor Markups – Heavy civil construction market conditions currently indicate increased markups for general conditions, overhead, and profit. The engineer's construction cost estimate includes these increased markups which are applied as a percentage markup to all direct costs (labor, equipment, and materials). The revised inflated TPC is \$1.899B.

4. **91864006 Anderson Dam Tunnel Project**

SCHEDULE AND COST – Overall schedule extended by 8 months/Inflated TPC increased by \$9.30M

Schedule and Cost Changes are necessitated due to Contract Change Orders 11 and 21, which extended the construction duration to allow for the re-design of the High Level Outlet Work Shaft (Time Impact Analysis 2) and the re-design of the 0.5/1 (H:V) slope at the Diversion Outlet Structure foundation excavation (Time Impact Analysis 3), which revised the time to complete construction from 1,052 days to 1,281 days from the first

chargeable day of the contract and resulted in an updated construction completion date of December 30, 2024. In addition, the time for the contractor to complete the project, including the two-year landscape establishment period, was revised from 1,781 days to 2,010 days from the first chargeable day of the contract, which updated the contractor's project completion date to December 30, 2026. The proposed end dates for environmental and right(s)-of-way align with the contractor's construction completion date (12/30/2026), while the end date for construction includes two and half months of post-construction activities. The proposed end date for close-out includes one and a half months following the contractor's revised completion date (12/30/2026) for the two-year landscape establishment period and completion of the contract. The TPC has increased by \$8.69M (uninflated) and is primarily due to additional right(s)-of-way, Valley Water staff resources, and consultant agreement amendments. The revised inflated TPC is \$252.99M.

5. **91864010 Cross Valley Pipeline Extension Project**
SCHEDULE ONLY – Overall Schedule extended by one year/Inflated, no change to TPC

A schedule change is required due to Valley Water Furnished Material delivery delays associated with the COVID-19 pandemic, delays in obtaining the State Board Condition 3 Plan Permit for the Milestone 7 Outfall work, increased flows to Coyote Creek from the January 2023 storms and subsequent Anderson Dam releases into Coyote Creek, delays for two new PG&E electric service installations, as well as Contractor delays to completing pipeline installation and subsequent contract work. No change to TPC. The proposed planned expenditure reflects a carry-forward of FY 2023 unspent funds to FY 2024. The revised inflated TPC is \$11.90M.

6. **91874004 Calero Dam Seismic Retrofit (Design & Construction) Project**
SCHEDULE AND COST – Overall Schedule remains the same, construction extended by 6 months/Inflated TPC increased by \$22.01M

Changes to the project's schedule impact construction only, without impacting the overall project schedule. Construction has been extended by six months in anticipation of continuing ancillary construction work.

A cost increase of \$11.02M (uninflated), comprising a \$10M allocation to engage a new design consultant, while the remaining increase is for project management costs. The need for a new consultant arose after Valley Water's decision to advance the design process, which had been put on hold in 2020. The consultant is expected to be hired by the end of 2023. Additional increases are due to inflation with the construction contract moved into future fiscal years: 2032 through 2035. The revised inflated TPC is \$185.96M.

7. **91234002 Coyote Pumping Plant ASD Replacement Project**
SCHEDULE AND COST – Overall Schedule extended by 3 years/Inflated TPC increased by \$36.98M

The changes to the schedule are due to long lead times for procurement of materials and construction being performed in two shutdown windows. The subsequent milestone

was shifted to account for this. The project cost has increased by \$33.36M (uninflated). The primary drivers for the cost increase are increased Design costs based on the average monthly burn rate and increased construction costs based on the latest Design-Builder's Cost Estimate. Planned expenditures are being shifted to reflect the change in the project schedule and account for anticipated increases in the Project's Design and Construction costs. The revised inflated TPC is \$64.92M.

8. **91234011 Coyote Warehouse Project**

SCHEDULE ONLY – Overall Schedule extended by 6 months (into next fiscal year)

The project's schedule has been extended by 6 months due to the extra time necessary to finalize the project closeout. The Closeout Phase includes preparation of an operations transition report, finalization of the CADD As-Built drawings, preparation of accounting closeout reports, and the closeout of contracts and agreements. The revised inflated TPC is \$9.84M.

WATER SUPPLY - Transmission Facilities:

9. **95084002 10-Year Pipeline Rehabilitation Project**

SCOPE, SCHEDULE, AND COST – Overall Schedule unchanged, schedule of individual pipeline shutdown sequencing adjusted/Inflated TPC increase by \$15.97M

There were changes to the project scope in the Santa Clara Conduit Inspection and Rehabilitation Project that resulted in increases in the project costs in the Design and Construction phases. Additionally, major flooding of the construction site caused by the winter storms of January 2023 during the Phase 1 construction resulted in a time extension and additional cost. The flooding and effects of the inclement weather extended the shutdown schedule and caused additional work, resulting in cost increases. The Snell Pipeline Inspection and Rehabilitation Project had cost increases in the Environmental Phase due to securing regulatory and environmental permits and associated permitting fees; in the Design Phase, due to additional staff time for Pipeline Maintenance Unit support on necessary shutdown-related work and Water Quality Unit to develop the disinfection plan. Additional cost is required for consultant to design the added scope and to procure a new consultant to develop an independent cost estimate for the project. The award of the construction contract shifted from June 27, 2023, to August 8, 2023. Construction costs have increased to include additional supplemental internal repair work, implementation of a temporary fire protection plan, rehabilitation of the Santa Teresa Water Treatment Plant Back Wash Pump Station P-13 Barrel, Clearwell inspection, and the treated water pipeline dewatering and refill. The cost increase is also due to higher-than-budgeted bid results for the construction contract because of post-COVID inflation, supply chain challenges, and reduced availability of contractors on the market. The revised inflated TPC is \$170.91M.

10. **92304001 Almaden Valley Pipeline Replacement Project**

SCHEDULE AND COST – Overall Schedule added new fiscal year outside the 15-year CIP forecast/Inflated TPC increase by \$5.96M

The construction start was updated from FY 2029 to FY 2028 because design for the first phase of the project was completed early. This 21-year project plan was initiated in FY 2020 and extends to FY 2041, which goes beyond the 15-year CIP window. With each rollover period, the CIP adds the upcoming FY planned expenditures from the original project plan. This update adds FY 2039 into the 15-year projection window. Additional increases are due to inflation in future fiscal years, 2038 through 2039. The revised inflated TPC is \$119.29M.

11. **95044001 Distribution System Master Plan Implementation Project**

SCHEDULE AND COST – Overall Schedule extended by 2 fiscal years/Inflated TPC increase by \$566K.

It has taken longer than expected to perform a raw water demand study, conduct hydraulic model verification, and set up a framework for performing the desktop condition assessment that is aligned with Valley Water's asset management data registry. Additionally, the time previously estimated to initiate and fully prepare a PEIR required adjustment. Due to the extended project schedule, additional funds are needed to pay for Valley Water labor through FY 2026 and part of FY 2027. The revised inflated TPC is \$9.33M.

12. **26764001 IRP2 Additional Line Valves (A3) Project**

COST ONLY– Inflated TPC increased by \$8.61M

Design Costs are increased by \$501K (uninflated) to account for:

West Pipeline Downstream of Santa Clara Distributary (WPL SCD): \$120K (uninflated) increase for: Anticipated increase of City of Saratoga, Encroachment Permit and Inspection Fees, PG&E Lease Agreement, PG&E electrical service installation cost.

West Pipeline Line Valve between Rainbow and Mann Turnouts (WPL R-M): \$256K (uninflated) increase for: Anticipated cost of PG&E Electrical Service Installation, City of Cupertino Encroachment Permit, an Astoria HOA Lease Agreement; Revision of the Geotechnical Investigation Report, and HSLA Request.

East Pipeline Line Valve (EPL): \$125K (uninflated) increase for: PG&E Electrical Service Installation and City of San Jose Encroachment Permit.

Construction Costs are increased by \$7.49M (uninflated) to account for:

Snell Pipeline Line Valve: \$1.64M (uninflated) increase. Bid results were analyzed and construction costs were found to be 50% higher than anticipated. This increase in cost is attributed to post-COVID inflation and supply chain challenges. The costs for future line valve installations are therefore being adjusted to reflect the cost increase experienced on the Snell Pipeline Line Valve.

West Pipeline Downstream of Santa Clara Distributary (WPL SCD): \$2.89M (uninflated) increase.

West Pipeline Line Valve between Rainbow and Mann Turnouts (WPL R-M): \$2.51M

(uninflated) increase.

East Pipeline Line Valve (EPL): \$451K (uninflated) increase.

It should be noted that the cost increases identified exceed the renewed Safe, Clean Water and Natural Flood Protection Program's 15-year (FY2022-36) project funding allocation. The project cost increase is recommended to be funded through a fund transfer of \$9.9M (inflated) from Fund 61 into Fund 26. The revised inflated TPC is \$25.44M.

13. **92144001 Pacheco/Santa Clara Conduit Right of Way Acquisition Project**
SCHEDULE AND COST – Overall Schedule unchanged, Construction Phase extended by 6 months/Inflated TPC increased by \$12K (INFLATION ONLY)

Construction schedule is delayed due to issues in environmental permitting. Since the project is planned to be constructed during dry months, the delay in obtaining environmental clearance pushes the construction out by 6 months. To account for the shift in the schedule noted, \$493K of planned expenditures for FY 2024 will be moved to FY 2025. The revised inflated TPC is \$6.14M.

14. **95044002 SCADA Master Plan Implementation Project**
SCHEDULE AND COST – Overall Schedule extended by 1 year/Inflated TPC increased by \$21K

Due to the sensitive nature of SCADA system information and the need to closely control documents requiring access by the multiple consultants involved in the project, there was a significant additional one-time effort, performed under the direction and guidance of IT/cybersecurity management, to develop and deploy secure information handling systems and procedures. These new measures needed to be implemented before the consultants could start their work, and the project schedule required adjustment accordingly. Additionally, the project team allowed the consultant to substitute their original project manager (due to internal promotion), which resulted in an additional impact on the project schedule while onboarding the new resource. The project expenditure schedule has been adjusted to account for the consultant's delayed start of functional work. The revised inflated TPC is \$6.49M.

15. **92264001 Vasona Pump Station Upgrades Project**
SCOPE, SCHEDULE, AND COST – Scope added/Overall Schedule extended by 2 years/Inflated TPC increased by \$5.68M

Conclusions made from the Initial Study/Mitigated Negative Declaration document recommend an enclosure for the outdoor generator and sound attenuation for the upgraded capacity pumps, proposed backup generator, and transformer to mitigate any impacts. Additionally, while completing the 30% design, O&M requested flowmeters, fiber optic, and associated underground work in support of future projects. Adjustments to the project schedule are due to the extra design time required to incorporate the scope changes mentioned above. Additional time was also needed to account for the change in the project delivery method from Design-Build to Design-Bid-Build, including the onboarding of a design consultant. Furthermore, the environmental dates have been

updated to include a public hearing as well as Board approval of the CEQA documents, which extended the overall design by 12 months. As a result, the Construction and Closeout Phases have also been adjusted. The TPC increase is attributed to the change in the project delivery method and the need to onboard a design consultant. The scope and schedule change described above also contributed to the cost increase. The revised inflated TPC is \$36.80M.

WATER SUPPLY – Treatment Facilities:

16. **93294057 RWTP Reliability Improvement Project**
COST ONLY – Inflated TPC increased by \$94.69M

The \$69.802M (uninflated) increase is primarily driven by the Construction Phase cost increase of \$67.932M (uninflated). The construction bid submitted by Kiewit Infrastructure West Co. was approximately 17% higher than the Engineer's estimate of \$260M. Additional increases are due to the large inflation for the construction contract for Phases 3-6 being awarded in FY 2024 (construction cost escalation factor 12% in FY24). The revised inflated TPC is \$722.53M.

17. **93084004 Water Treatment Plants Electrical Improvement Project**
SCHEDULE AND COST – Overall Schedule extended by 1 year/Inflated TPC increased by \$1.93M

The proposed adjustments to the Water Treatment Plants Electrical Improvement Project schedule account for: the previously adopted Scope Change Request for additional MCC upgrades; time taken to investigate missing or not up-to-date electrical and control systems as-builts for Penitencia (PWTP) and Santa Teresa (STWTP) Water Treatment Plants; and onboarding a new design consultant and the associated project management and design support tasks. During the Planning and Design Phases, staff discovered that as-builts and field data related to PWTP and STWTP electrical and control systems and instrumentation were not up-to-date and/or missing entirely, which required further data collection, investigation, and specialized electrical work. Staff prepared a Request for Proposal (RFP) for a design consultant to complete the Final Design. The proposed schedule includes the time taken for developing the RFP, onboarding the consultant, and obtaining Board approval to award the contract, as well as meetings, field investigations, technical report review, QA/QC review, and Final Design Submittal. These reasons constitute the ~21-month delay added to the Project's Design, Construction, and Closeout Phases. Due to the schedule changes described above and the incorporation of the estimated design consultant contract cost, Design Phase costs have increased by \$1.81M (uninflated). The revised inflated TPC is \$20.44M.

18. **93044001 WTP Master Plan Implementation Project**
SCHEDULE AND COST – Overall Schedule extended by 6 months/Inflated TPC decreased by \$19K

The project team has identified several additional studies that need to be completed to inform the project alternatives. Project expenditures have been modified to decrease expenditures in FY 2025 and extend them into FY 2026 to reflect the changes to project

schedule. The revised inflated TPC is \$9.26M.

WATER SUPPLY - Recycled Water Facilities:

19. **91094001 Land Rights – South County Recycled Water PL Project**
SCHEDULE AND COST – Overall Schedule unchanged, Right-of-Way Phase extended by 2 years/Inflated TPC increased by \$8K (inflation only)

Environmental reviews and right-of-way agreements are delayed by one year due to changes in staff resources as well as issues with completing the as-built information and verifying the location of the pipeline installed by developers. To account for the schedule shift for property agreements and ensure expenditures for project closeout in FY 2025, FY 2024 expenditures will be moved to FY 2025. The revised inflated TPC is \$6.83M.

FLOOD PROTECTION - Lower Peninsula Watershed:

20. **10394001 Palo Alto Flood Basin Tide Gate Structure Replacement Project**
SCOPE, SCHEDULE AND COST – Project scope divided into two phases, overall Schedule reduced by 7 years/Inflated TPC decreased by \$754K (inflation only)

The proposed Phase 1 work consists of designing and constructing a seismic retrofit and rehabilitating the existing tide gate structure to extend its service life. Phase 2 work involves working on a long-term structure replacement project with the United States Army Corps of Engineers (USACE) to ensure alignment and elevation compatibility with the South San Francisco Bay Shoreline Phase II Project. With the new project scope, Phase 1 construction activities are expected to have significantly fewer environmental impacts. After completing the 60% Design milestone, staff will start renegotiation with regulatory agencies to potentially amend the current permit conditions to suit Phase 1 work activities. Staff will also coordinate to obtain updated tribal monitoring requirements. Additionally, staff will determine and proceed with the most suitable pathway in modifying the CEQA document. All these efforts are expected to take place between Winter 2023 and Spring 2025. The revised inflated TPC is \$11.48M.

21. **26244001 Permanente Creek, SF Bay to Foothill Expwy Project**
COST ONLY – Inflated TPC decreased by \$460K

This 2012 Safe, Clean Water (SCW Program), Measure B, project was granted more than what was carried forward for the project closeout in the 2020 renewed SCW Program, Measure S. Since this project is not part of the renewed SCW Program's first 15-year financial cycle (FY2022-36), it does not receive new funding from the renewed Program. During the budget cycle and CIP production, the forecasted FY 2024 amounts exceeded the TPC, but that wasn't known until all the FY23 actuals were realized. As this 2012 SCW project is closing at the end of FY 2024, the correct TPC and cumulative budget need to align with the approved carryforward in the renewed SCW Program. The FY 2024 budget allocation needs to be adjusted because it was granted in error and violates the SCW program guidelines. The revised inflated TPC is \$94.92M.

FLOOD PROTECTION - West Valley Watershed:

22. 26074002 Sunnyvale East and West Channels (E2) Project

SCHEDULE AND COST – Overall project close extended by 2 years/Inflated TPC decreased by \$152K (inflation only)

The project schedule is being extended because the Permit Applications were resubmitted to the Resource Agencies in August 2023. The Agencies informed Valley Water that it would take at least a year to process and negotiate. Therefore, construction is expected to be advertised in September 2024, followed by the construction contract award in January 2025. Earlier, on January 24, 2023, the Board of Directors modified and reduced Project E2 funding allocation to construct Sunnyvale West Channel (Phase 1) and reallocated the Sunnyvale East Channel (Phase 2) construction-related planned expenditures to the Fund 26 Operating and Capital Reserves to improve the financial health of Fund 26. As a result, funding for Phase 1 construction is fully secured. Phase 2 construction remains a commitment under the renewed Safe, Clean Water Program and Valley Water is determining additional funding sources, including federal and state grants, to advance construction. Valley Water will reassess the availability of funding on an annual basis as part of the Capital Improvement Program's financial planning process, through which the Board may reallocate construction funding to Phase 2 when and if funding becomes available. No change to the TPC. Adjustments made to phase totals only, a decrease in Right-of-Way and Construction Phases, and an increase in the Design Phase resulted in a slight decrease in overall TPC (inflated), uninflated TPC remains unchanged. The revised inflated TPC is \$57.79M.

FLOOD PROTECTION - Guadalupe Watershed:

23. 30154019 Guadalupe River Tasman Dr – I-880

SCHEDULE AND COST – Overall project close extended by 2 years/Inflated TPC increased by \$3.88M

The project schedule has increased by a total of 2 years. The 2-year extension reflects the actual completion of the planning phase in FY 2024, which is 2 years later than previously estimated. The remaining phases (design, construction, and closeout) have not increased in duration, but have been pushed out 2 years accordingly. Project costs have increased in the Planning Phase due to the extension of the schedule by 2 years. \$1.1M (uninflated) was added for CEQA, as this was underestimated at only \$100K in past project plans. The Design Phase planned expenditures increased, as this was also underestimated in past project plans. The revised inflated TPC is \$106.98M.

24. 26154002 Guadalupe River-Upper, I-280 to SPRR Project

COST ONLY – Inflated TPC increased by \$427K

The planned expenditures have increased to address increased costs during FY23. Environmental Mitigation and Monitoring staff conducted the following fieldwork to trace the rocks from Phase 1 gravel augmentation sites: 1) Land Survey and Mapping staff conducted a topographic survey; 2) Hydrology, Hydraulics and Geomorphology

staff conducted peak water surface profile monitoring comparison. The cost of labor to conduct the monitoring of the Phase 1 gravel augmentation sites resulted in an overage of the FY23 budget. In FY24, FY25, and FY27, Environmental Mitigation and Monitoring staff will continue to conduct fieldwork to trace the rocks from Phase 1 gravel augmentation sites. The estimated cost to perform all the tasks required is \$160K per year. The revised inflated TPC is \$38.11M.

FLOOD PROTECTION – Coyote Watershed:

25. 40174004 Berryessa Creek, Lower Penitencia Creek to Calaveras Blvd Phase 1 Project

SCHEDULE AND COST – Overall schedule extended by 1 year/Inflated TPC decreased by \$68K

There is remaining work required to finalize the wetlands report pursuant to the final Mitigation and Monitoring Report for the project. This report is planned to be completed by a consultant working on the project by the second half of FY 2024. Environmental and Closeout Phase costs have increased and Construction Phase costs have decreased. The revised inflated TPC is \$46.90M.

26. 40174005 Berryessa Creek, Lower Penitencia Creek to Calaveras Blvd Phase 2 Project

SCOPE AND COST – Scope added for waterline replacement in the City of Milpitas/Inflated TPC increased by \$1.60M

In the spring of 2022, the City of Milpitas (City) requested that Valley Water replace a section of their waterline and sewer line located under the U-frame floodwall. Valley Water prepared plans for the new waterline with input and approval from City engineering staff. The City agreed to reimburse Valley Water \$245,862 for the costs of the waterline replacement. The contractor completed the work in July 2022. On December 9, 2022, Valley Water's contractor observed water flowing up from beneath the new waterline section. After further evaluation, a water leak was discovered at the connection points with the existing pipe due to the movement of the coupling. Valley Water has been working with the City on the waterline repair plans since January 2023. On April 18, 2023, the City sent a letter to Valley Water acknowledging its responsibility for additional reimbursement costs for repairs to the waterline. Following their review and approval of Valley Water's repair design, City staff will recommend the City Council approve an amendment to the Master Agreement to include this work and expense. The cost associated with the waterline repair is estimated to be up to \$800K (uninflated). Due to the waterline leak, the civil construction aspect of the project completion has been delayed, resulting in additional labor costs. Staff estimates that \$600K (uninflated) is needed to fund Valley Water labor costs for the waterline repair and associated civil work. In addition, an estimated \$200K (uninflated) was added to the three-year Plant Establishment Phase in case of unforeseen conditions such as irrigation or replacement planting exceeding the scope of the contract. The revised inflated TPC is \$89.68M.

FLOOD PROTECTION – Uvas Llagas Watershed:

27. 50284010 Llagas Creek – Lower Capacity Restoration, Buena Vista Rd. to Pajaro River Project

SCHEDULE AND COST – Extended in all phases by 3 to 5 years, overall schedule close-out extended by 5 years/Inflated TPC increased by \$92.90M

The project has been on hold for over 10 years. Consequently, the planning phase has been extended by 2 years to re-do all planning phase deliverables, including Problem Definition Report, Conceptual Alternatives Report, etc. This is due to changes in existing conditions, unclear project objectives, and coordination with other related projects in the area, such as the Soap Lake Flood Plain Preservation effort. Some public outreach was done in the past but needs to be resumed due to the time lapse. In addition, the Design and Construction Phases were each extended by 1 year to match more recent and typical CIP schedules. The TPC has increased by \$67.9M (uninflated), of which \$56.4M (uninflated) increase is for the Construction Phase. Although the alternatives will be revisited during the Planning Phase, the estimate is representative of the level of work the project team anticipates. There is also an increase in environmental and design expenditures, which were underestimated in past project plans, and in the Planning Phase to cover the extension by 2 years to re-do all Planning Phase deliverables. The revised inflated TPC is \$105.78M.

28. 26174051 Llagas Creek – Upper, Reimbursable Project **COST ONLY – Inflated TPC increased by \$2M**

Planned Project Expenditures have increased by approximately \$2M to address increased costs to relocate various existing utilities in conflict with project construction and to purchase the last couple of remaining properties required for project completion. The eligible costs associated with this increase will be reimbursed by the Department of Water Resources – State Subventions Program if the program remains funded. The revised inflated TPC is \$50.13M.

FLOOD PROTECTION – Multiple Watersheds:

29. 26444004 SF Bay Shoreline, EIAs 5-9 (E7) Project

SCHEDULE AND COST – Overall schedule extended by 2 years/Inflated TPC increased by \$2.32M

USACE signed the Feasibility Cost Share Agreement on August 28, 2023. The study will take 3 years to complete, ending in 2026. The schedule has been updated to reflect this. \$1M (uninflated) for CEQA was added, as this cost had not been included in the prior project plan. Valley Water will be required to prepare an Environmental Impact Report (EIR) should the project move forward. Planning Phase costs have increased by \$815K (uninflated) for Valley Water labor-related costs throughout the Planning and Permitting Phases. The revised inflated TPC is \$15.73M.

30. **62084001 Watersheds Asset Rehabilitation Program (WARP)**

SMALL CAPITAL FORECAST REVISIONS: TPC increased by \$12.30M

Small Capital project forecasts are revised each year. Asset rehabilitation projects are added, removed, and rescheduled based on asset condition and project need. In addition, project costs are updated each year based on market conditions. These revisions to both schedule and costs cause several minor changes in expected expenditures over the forecasted period. The revised inflated TPC is \$189.22M.

WATER RESOURCES STEWARDSHIP – Lower Peninsula Watershed:

31. **26164001 Hale Creek Enhancement Pilot Project**

COST ONLY – Inflated TPC increased by \$10K

Last year's winter storms damaged the newly installed soft bottom creek channel, including plantings, topsoil in the planting benches, and soil at the retaining wall toe. This damage far exceeded what was anticipated to typically occur during the 3-year plant establishment and monitoring period. Planned expenditures have been re-allocated from FY 2024 to FY 2025 and FY 2026 to budget for unforeseen repair work that future winter storms may cause. This project will be closed out in FY 2026 after a 3-year plant establishment and monitoring period. Planned expenditures required for Closeout in FY 2026 had not been included in previous project plans but have now been added. The revised inflated TPC is \$12.40M.

WATER RESOURCES STEWARDSHIP – Multiple Watersheds:

32. **26044005 SCW (D4.3) Fish Passage Improvements Project**

SCHEDULE AND COST – Overall Schedule extended 7 months/Inflated TPC increased by \$1.69M

The schedule start was adjusted from June 1, 2021, to November 2, 2023, to accommodate available staff resources. The planned expenditures have been updated to include all project phases. Design and Construction Phase schedules and expenditures are preliminary and expected to be refined in the planning phase. The planned expenditures have been updated to include all project phases. The revised inflated TPC is \$9.30M. *It should be noted that the project cost increase exceeds the Safe, Clean Water Program funding allocation and will be addressed in a subsequent update.*

INFORMATION TECHNOLOGY

33. **73274008 Software Upgrades & Enhancements Project**

SCHEDULE AND COST – Overall Schedule extended 7 years/Inflated TPC increased by \$6.525M

This project is ongoing and will be included in the CIP as a Small Capital Improvement Project moving forward. This project was initiated in FY 2016. Planned expenditures extend beyond the 15-year CIP projection. The project plan has been updated to extend the schedule and add planned expenditures through FY 2039. Future fiscal years

beyond the 15-year projection will be added respectively each fiscal year during the rollover process for a complete forecast of the projects total cost. The revised inflated TPC is \$14.35M.

34. **95274003 WTP-WQL Network Equipment Project**

SCOPE, SCHEDULE AND COST – Scope change to a Small Capital Improvement project/Overall Schedule extended 7 years/Inflated TPC increased by \$10.89M

This project is ongoing and will be included in the CIP as a Small Capital Improvement Project moving forward. This project was initiated in FY 2015. Planned expenditures extend beyond the 15-year CIP projection. The project plan has been updated to extend the schedule and add planned expenditures through FY 2039 to complete the 15-year projection. Future fiscal years beyond the 15-year projection will be added respectively each fiscal year during the rollover process for a complete forecast of the projects total cost. The revised inflated TPC is \$23.91M.

PROJECTS SCHEDULED TO BE COMPLETED OR CLOSED BY THE END OF FY 2023-24:

1. **26044001 Almaden Lake Improvements**

As the project construction cost estimates nearly tripled, making project construction unfeasible, on January 24, 2023, Valley Water's Board of Directors decided not to construct the Project as the creek/lake separation project and instead to partially fund the construction of the Ogier Ponds Project. At the close of fiscal year 2024, the Almaden Lake Improvements Project will be removed from the CIP and therefore not be included in the Preliminary FY 2025-29 Five-Year Plan. It has been recommended to place this project on the Unfunded List.

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CIP Preliminary FY 2025-29 Five-Year Plan

Water Supply Projects

Revenue Sources: Groundwater Charges

			A	B	A + B								
Project Category	Pojct Number	Project Name	Actual/ Appropriated thru FY24*	Remaining Cost to Completion	FY25 Planned Expenditure	Total Project Value	Change from FY24	Project Phase (FY25)	Funded By	Zone W-2 %	Zone W-5 %	Zone W-7 %	Zone W-8 %
Values last updated:11-3-23 (All values are in thousands)													
Water Supply - Storage													
B	91854001	Almaden Dam Improvements	9,318	31,142	156	40,460	(20,866)	Design	W-2	100%			
B	91854003	Almaden Calero Canal Rehabilitation	-	-	-	-	-	Design	W-2	100%			
A	91864005s	Anderson Dam Seismic Retrofit (C1)	548,228	1,773,916	130,573	2,322,144	902,792	Des/Const/Close	W-2/W-5/W-7	81.4%	7.9%	10.8%	0.0%
	91864005	Anderson Dam Seismic Retrofit (C1)	205,554	1,693,586	52,328	1,899,139	894,389	Design	W-2/W-5/W-7	81.4%	7.9%	10.8%	0.0%
	91864006	Anderson Dam Tunnel	204,875	48,120	46,743	252,995	6,674	Des/Const/Close	W-2/W-5/W-7	81.4%	7.9%	10.8%	0.0%
	91864007	Coyote Creek Flood Management Measures	85,317	32,128	31,419	117,445	1,734	Construction	W-2/W-5/W-7	81.4%	7.9%	10.8%	0.0%
	91864008	Coyote Creek Chillers	22,917	11	11	22,927	-	Closeout	W-2/W-5/W-7	81.4%	7.9%	10.8%	0.0%
	91864009	Coyote Percolation Dam Replacement	17,664	72	72	17,736	(4)	Construction	W-2/W-5/W-7	81.4%	7.9%	10.8%	0.0%
	91864010	Cross Valley Pipeline Extension	11,902	-	-	11,902	-	Closeout	W-2/W-5/W-8	81.4%	7.9%	10.8%	0.0%
A	91084020s	Calero and Guadalupe Dams Seismic Retrofits	35,941	248,601	3,239	284,542	21,112	Plng/Des	W-2	100%			
	91084020	Calero and Guadalupe Dams Seismic Retrofits - Planning	10,893	2,994	119	13,887	(182)	Planning	W-2	100%			
	91874004	Calero Dam Seismic Retrofit - Design & Construct	13,797	172,161	3,016	185,958	22,013	Design	W-2	100%			
	91894002	Guadalupe Dam Seismic Retrofit - Design & Construct	11,251	73,446	104	84,697	(720)	Design	W-2	100%			
B	91234002	Coyote Pumping Plant ASD Replacement	21,744	43,172	26,005	64,916	36,984	Des/Const	W-2	100%			
E	91234011	Coyote Warehouse	9,844	-	-	9,844	-	Closeout					
A	91084019	Dam Seismic Stability Evaluation	23,196	8,097	299	31,293	(574)	Planning	W-2/W-5/W-7/W-8	42.9%	55.9%	0.0%	1.2%
E	91954002	Pacheco Reservoir Expansion Project (A1)	144,614	2,602,124	19,053	2,746,738	(33,959)	Plng/Des	W-2/W-5/W-7/W-8	83.7%	10.0%	6.3%	0.1%
B	91214010s	Small Capital Improvements, San Felipe Reach 1-3	7,005	63,310	1,119	70,315	(10,791)	Continuing	W-2/W-5/W-7	81.4%	7.9%	10.8%	0.0%
Subtotal:			799,890	4,770,362	180,444	5,570,251	894,698						

CIP Preliminary FY 2025-29 Five-Year Plan

Water Supply Projects

Revenue Sources: Groundwater Charges

Project Category	Project Number	Project Name	A	B	A + B		Project Phase (FY25)	Funded By	Zone W-2 %	Zone W-5 %	Zone W-7 %	Zone W-8 %	
			Actual/ Appropriated thru FY24*	Remaining Cost to Completion	FY25 Planned Expenditure	Total Project Value							Change from FY24
			Values last updated:11-3-23 (All values are in thousands)										
Water Supply - Transmission													
B	95084002	10-Year Pipeline Rehabilitation (FY18-FY27)	140,579	30,328	19,611	170,907	15,967	Des/Const/Close	W-2/W-5/W-7/W-8	95.9%	3.2%	0.9%	0.1%
B	92304001	Almaden Valley Pipeline Replacement Project	3,266	116,020	2,129	119,286	5,958	Planning	W-2	100%			
B	95044001	Distribution System Master Plan Implementation	7,846	1,479	686	9,325	566	Planning	W-2/W-5/W-7/W-8	84.1%	12.2%	3.4%	0.3%
C	92C40357	FAHCE Implementation	-	145,108	-	145,108	-	Planning	W-2/W-5/W-7	93.7%	2.6%	3.6%	0.0%
C	26764001	IRP2 Additional Line Valves (A3)	7,372	18,070	9,497	25,442	8,605	Construction	SCW	100%			
E	92144001	Pacheco/Santa Clara Conduit Right of Way Acquisition	5,420	721	721	6,141	12	Plng/Const/Close	W-2/W-5/W-7	81.4%	7.9%	10.8%	0.0%
E	95044002	SCADA Master Plan Implementation	5,005	1,482	754	6,487	21	Planning	W-2/W-5/W-7/W-8	84.1%	12.2%	3.4%	0.3%
B	92764009	Small Capital Improvements, Raw Water Transmission	1,020	12,578	2,325	13,598	(1,893)	Continuing	W-2/W-5/W7/W-8	83.7%	10.0%	6.3%	0.1%
B	94764006	Small Capital Improvements, Treated Water Transmission	276	735	334	1,011	(343)	Continuing	W-2	100%			
B	94084007	Treated Water Isolation Valves	1,880	6,591	2,013	8,471	(313)	Construction	W-2	100%			
B	92264001	Vasona Pump Station Upgrade	4,215	32,589	1,705	36,804	5,682	Design	W-2	100%			
Subtotal:			176,879	365,701	39,775	542,580	34,262						

CIP Preliminary FY 2025-29 Five-Year Plan

Water Supply Projects

Revenue Sources: Groundwater Charges

			A	B	A + B								
Project Category	Project Number	Project Name	Actual/ Appropriated thru FY24*	Remaining Cost to Completion	FY25 Planned Expenditure	Total Project Value	Change from FY24	Project Phase (FY25)	Funded By	Zone W-2	Zone W-5	Zone W-7	Zone W-8
Values last updated:11-3-23 (All values are in thousands)										%	%	%	%
Water Supply - Treatment													
B	93234044	PWTP Residuals Management	5,621	35,873	9,398	41,494	(2,636)	Des/Const	W-2	100%			
B	93294051s	RWTP Residuals Remediation	75,785	-	-	75,785	(0)	Closeout	W-2	100%			
B	93294057	RWTP Reliability Improvement	300,742	421,786	66,210	722,528	94,685	Construction	W-2	100%			
B	93294059	RWTP Ammonia Storage & Metering Facility Upgrade	630	6,264	478	6,894	(339)	Plng/Des	W-2	100%			
B	93764004	Small Capital Improvements, Water Treatment	3,397	36,193	5,943	39,590	(6,990)	Continuing	W-2	100%			
B	93284013	STWTP Filter Media Replacement Project	20,024	-	-	20,024	(1)	Closeout	W-2	100%			
B	93084004	Water Treatment Plant Electrical Improvement Project	2,820	17,623	1,789	20,443	1,930	Design	W-2	100%			
B	93044001	WTP Master Plan Implementation	8,249	1,012	728	9,261	(19)	Planning	W-2	100%			
Subtotal:			417,268	518,751	84,546	936,018	86,630						
Water Supply - Recycled Water													
E	91304001s	Purified Water Program	88,510	1,068,555	381,836	1,157,065	(54,132)	Des/Const	W-2	100%			
	91304001	Purified Water Project (PWP)	49,215	14,498	5,812	63,713	(794)	Construction	W-2	100%			
	913040P3	P3 Entity	38,781	1,054,057	376,024	1,092,838	(53,338)	Des/Const					
E	91094001	Land Rights - South County Recycled Water PL	6,615	210	210	6,825	8	Des/Close	W-5		100%		
E	91094007s	South County Recycled Water Pipeline	59,792	26	26	59,818	(1)	Const/Close	W-5		100%		
Subtotal:			154,917	1,068,791	382,073	1,223,708	(54,124)						
Water Supply Total:			1,548,953	6,723,604	686,839	8,272,557	961,466						

CIP Preliminary FY 2025-29 Five-Year Plan

Water Supply Projects

Revenue Sources: Groundwater Charges

		A		B	A + B															
Project Category	Project Number	Project Name	Actual/	Remaining	FY25	Total	Change	Project Phase	Funded	Zone	Zone	Zone	Zone							
			Appropriated	Cost to	Planned	Project								from FY24	(FY25)	By	W-2	W-5	W-7	W-8
			thru FY24*	Completion	Expenditure	Value											%	%	%	%
Values last updated:11-3-23 (All values are in thousands)																				

Validated - Future Unfunded Projects

Validated - Unfunded Total: - - - -

Legend:

- Black - Black Text: Continuing projects or projects carried forward from the FY24 CIP
- Gray - Gray Text: Individual projects considered part of a group or family of projects
- Orange - Orange Text: Projects to be completed or cancelled in FY 2024
- Green - Green Text: Projects in the Construction phase
- Blue - Blue Text: New projects proposed for the FY 25 CIP
- * - Column A: Actuals spent through prior year + planned expenditures in current year
- (s) - "s" suffix on project number signifies a group of projects on one project page

Project Driver:

- A. Regulatory requirements
- B. Repair or replacement of aging infrastructure
- C. District commitment (SCW, FAHCE)
- D. Water Utility Master Plan "No Regrets"
- E. Board Policy

of WS Projects

3
19
2
-
7
31

Funded by Legend:

- W-2 - North Zone; revenue is allocated based on % of benefit to the zone
- W-5 - South Zone; revenue is allocated based on % of benefit to the zone
- W-7 - South Zone; revenue is allocated based on % of benefit to the zone
- W-8 - South Zone; revenue is allocated based on % of benefit to the zone
- CSC - funded by revenue from Clean Safe Creeks program
- SCW - funded by revenue from Safe Clean Water program
- PT - funded by revenue from Property Tax
- Subvent - funded by State Subventions

CIP Preliminary FY 2025-29 Five-Year Plan

Flood Protection Projects

Revenue Sources: COP Proceeds, CSC Special Tax,
Property Tax, Subventions

Property Val, Construction			A	B	A + B				
Project Category	Project Number	Project Name	Actual/ Appropriated thru FY24*	Remaining Cost to Completion	FY25 Planned Expenditure	Total Project Value	Change from FY24	Project Phase (FY25)	Funded By
Values last updated: 11-3-23 (All values are in thousands)									
Lower Peninsula Watershed									
B	10394001	Palo Alto Flood Basin Tide Gate Structure Replacement	7,510	3,965	677	11,475	(754)	Plan/Des	PT
C	10244001s	Permanente Creek, SF Bay to Foothill Expressway	115,245	21	21	115,266	(461)	Closeout	PT/CSC
C	10284007s	San Francisquito Creek, SF Bay thru Searsville Dam (E5)	79,723	34,168	23,754	113,891	(3,215)	Des/Const/Close	PT/CSC/SCW
Subtotal:			202,478	38,154	24,452	240,632	(4,430)		
West Valley Watershed									
C	26074002	Sunnyvale East and West Channels (E2)	36,453	21,333	11,312	57,786	(152)	Construction	CSC
Subtotal:			36,453	21,333	11,312	57,786	(152)		
Guadalupe Watershed									
B	30154019	Guadalupe River Tasman Dr - I-880	6,955	100,024	3,120	106,979	3,883	Design	PT
C	26154001s	Guadalupe River—Upper, I-280 to Blossom Hill Road (E8)	114,854	58,723	270	173,577	(3,040)	Plan/Des/Const	CSC/SCW
Subtotal:			121,809	158,747	3,390	280,556	843		

CIP Preliminary FY 2025-29 Five-Year Plan

Flood Protection Projects

Revenue Sources: COP Proceeds, CSC Special Tax,
Property Tax, Subventions

			A	B	A + B				
Project Category	Project Number	Project Name	Actual/ Appropriated thru FY24*	Remaining Cost to Completion	FY25 Planned Expenditure	Total Project Value	Change from FY24	Project Phase (FY25)	Funded By
Values last updated: 11-3-23 (All values are in thousands)									
Coyote Watershed									
	26174041s	Berryessa Creek, Calaveras Boulevard to Interstate 680	54,410	-	-	54,410	(1)	Closeout	CSC
E	40174004s	Berryessa Ck, Lower Penitencia Ck to Calaveras Blvd	136,234	57,881	265	194,115	24,579	Des/Const	PT
C	26174043	Coyote Creek, Montague Expressway to Tully Road (E1)	26,835	189,308	13,576	216,143	(8,576)	Plng/Des	CSC
E	40334005	Lower Penitencia Ck Improvements, Coyote Ck to Berryessa Ck	34,945	158	78	35,103	(10)	Const/Close	PT
C	40324003s	Upper Penitencia Creek, Coyote Creek to Dorel Drive	17,193	426	426	17,619	(2,215)	Planning	PT/SCW
Subtotal:			269,617	247,773	14,345	517,390	(85,807)		
Uvas/Llagas Watershed									
B	50284010	Llagas Creek–Lower, Capacity Restoration, Buena Vista Road to Pajaro River	4,854	100,925	1,040	105,779	92,899	Design	Subvent
C	26174051s	Llagas Creek–Upper, Buena Vista Avenue to Llagas Road (E6)	266,238	74,891	62,395	341,130	1,773	Construction	CSC/SCW
Subtotal:			271,092	175,816	63,435	446,909	94,672		
Multiple Watershed									
C	00044026s	San Francisco Bay Shoreline (E7)	132,234	47,920	2,939	180,154	363	Construction	PT
	00044026	San Francisco Bay Shoreline	101,306	16,018	53	117,324	(843)	Des/Const	PT
	26444001	San Francisco Bay Shoreline - EIA 11 Design & Partial Construction (E7)	17,516	-	-	17,516	-	Des/Const	PT
	26444002	San Francisco Bay Shoreline - EIAs 1-4	10,113	18,622	1,066	28,735	(1,112)	Planning	PT
	26444004	San Francisco Bay Shoreline - EIAs 5-9	2,450	13,280	1,820	15,730	2,318	Planning	PT
B	62084001	Watersheds Asset Rehabilitation Program	70,129	119,087	12,897	189,216	12,303	Plng/Des/Const	PT
Subtotal:			202,363	167,007	15,836	369,370	12,666		
Flood Protection Total:			1,103,812	808,830	132,769	1,912,642	17,792		

CIP Preliminary FY 2025-29 Five-Year Plan

Flood Protection Projects

Revenue Sources: COP Proceeds, CSC Special Tax,
Property Tax, Subventions

Project Category	Project Number	Project Name	A	B	A + B	Total Project Value	Change from FY24	Project Phase (FY25)	Funded By
			Actual/ Appropriated thru FY24*	Remaining Cost to Completion	FY25 Planned Expenditure				

Values last updated: 11-3-23 (All values are in thousands)

Validated - Future Unfunded Projects

401340XX	South Babb Flood Protection - Long Term	-	21,585	-	21,585				PT
Validated - Unfunded Total:			0	21,585	0	21,585			

Legend:

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- Gray - Gray Text: Individual projects considered part of a group or family of projects
- Orange - Orange Text: Projects to be completed or cancelled in FY 2024
- Green - Green Text: Projects in the Construction phase
- Blue - Blue Text: New projects proposed for the FY 25 CIP
- * - Column A: Actuals spent through prior year + planned expenditures in current year
- (s) - "s" suffix on project number signifies a group of projects on one project page

Project Driver:

- A. Regulatory requirements
- B. Repair or replacement of aging infrastructure
- C. District commitment (SCW, FAHCE)
- D. Water Utility Master Plan "No Regrets"
- E. Board Policy

of FP Projects

-
4
8
-
2
<hr/> 14

Funded by Legend:

- W-2 - North Zone; revenue is allocated based on % of benefit to the zone
- W-5 - South Zone; revenue is allocated based on % of benefit to the zone
- W-7 - South Zone; revenue is allocated based on % of benefit to the zone
- W-8 - South Zone; revenue is allocated based on % of benefit to the zone
- CSC - funded by revenue from Clean Safe Creeks program
- SCW - funded by revenue from Safe Clean Water program
- PT - funded by revenue from Property Tax
- Subvent - funded by State Subventions

CIP Preliminary FY 2025-29 Five-Year Plan

Water Resources Stewardship Projects

Revenue Sources: Groundwater Charges,
Property Tax, Subventions

Project Category	Project Number	Project Name	A	B	A + B		Project Phase (FY25)	Funded By
			Actual/ Appropriated thru FY24*	Remaining Cost to Completion	FY25 Planned Expenditure	Total Project Value	Change from FY24	

Values last updated: 11-3-23 (All values are in thousands)

Mitigation (All Mitigation projects are required per CEQA or other Regulation and therefore do not receive a score)

None

Subtotal:

-

Environmental Enhancement & Stewardship

Lower Peninsula Watershed

C	00294001s	Stevens Creek Fish Passage Enhancement	850	18,520	-	19,370	(65)	FY25	W-2 (90%)/PT(10%)
C	26164001	Hale Creek Enhancement Pilot Project (D6.1)	12,176	224	104	12,400	11	Construction	CSC/SCW

Guadalupe Watershed

	26044001	Almaden Lake Improvements (D4.1)	10,257	-	-	10,257	(1,276)	Closeout	CSC/SCW
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Coyote Watershed

E	00C40400s	Watershed Habitat Enhancement Design & Construction	-	66,083	-	66,083	(651)	FY25	TBD
C	26044003	Ogier Ponds Separation from Coyote Creek (D4.2)	4,519	7,959	1,753	12,478	186	Plan/Des	SCW

Uvas/Llagas Watershed

C	26044004	Bolsa Road Fish Passage Improvement (D6.2)	9,036	138	26	9,174	(8)	Const/Close	SCW
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Multiple Watersheds (Lower Peninsula, Guadalupe, Coyote, Uvas/Llagas)

C	20444001s	Calabazas/San Tomas Aquino Creek-Marsh Connection	10,742	5,044	1,650	15,785	(258)	Plan/Des	PT/SCW
C	20444002	Pond A4 Resilient Habitat Restoration Project	4,725	967	967	5,692	(57)	Planning	PT/SCW
C	26044002	SCW Fish Passage Improvements (D4.3)	5,355	22	22	5,377	5	Const/Close	SCW
C	26044005	SCW D4.3 Fish Passage Improvements	998	8,305	1,515	9,303	1,690	Plan/Des	SCW

Subtotal:

58,658

107,261

6,036

165,918

(424)

Feasibility Studies

None

Subtotal:

Water Resources Stewardship Total:

58,658

107,261

6,036

165,918

(424)

CIP Preliminary FY 2025-29 Five-Year Plan

Water Resources Stewardship Projects

Revenue Sources: Groundwater Charges,
Property Tax, Subventions

Project Category	Project Number	Project Name	A	B	A + B		Change from FY24	Project Phase (FY25)	Funded By
			Actual/ Appropriated thru FY24*	Remaining Cost to Completion	FY25 Planned Expenditure	Total Project Value			

Values last updated: 11-3-23 (All values are in thousands)

Validated - Future Unfunded Projects

	204440XX	Pond A4 (Construction Only)	-	31,561	-	31,561		PT/SCW
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	-	31,561	-	31,561
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NOTES:

- 1) Implementation of the Mitigation projects is considered non-discretionary since they are needed to meet California Environmental Quality Act (CEQA) or regulatory commitments. Therefore, a priority score is not required.
- 2) Environmental Enhancement projects are implemented at the discretion of the Board. Projects may go through a ranking process to compete for CSC funds or the board may direct that other available revenue be used to implement the proposed projects.

Legend:

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- Orange** - **Orange Text: Projects to be completed or cancelled in FY 2024**
- Green** - **Green Text: Projects in the Construction phase**
- Blue** - **Blue Text: New projects proposed for the FY 25 CIP**
- * - Column A: Actuals spent through prior year + planned expenditures in current year
- (s) - "s" suffix on project number signifies a group of projects on one project page

Project Driver:

- A. Regulatory requirements
- B. Repair or replacement of aging infrastructure
- C. District commitment (SCW, FAHCE)
- D. Water Utility Master Plan "No Regrets"
- E. Board Policy

of WRS Projects

A. Regulatory requirements	-
B. Repair or replacement of aging infrastructure	-
C. District commitment (SCW, FAHCE)	8
D. Water Utility Master Plan "No Regrets"	-
E. Board Policy	1
	9

Funded by Legend:

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- W-5 - South Zone; revenue is allocated based on % of benefit to the zone
- W-7 - South Zone; revenue is allocated based on % of benefit to the zone
- W-8 - South Zone; revenue is allocated based on % of benefit to the zone
- CSC - funded by revenue from Clean Safe Creeks program
- SCW - funded by revenue from Safe Clean Water program
- PT - funded by revenue from Property Tax
- Subvent - funded by State Subventions

CIP Preliminary FY 2025-29 Five-Year Plan

Buildings and Grounds Projects

Revenue Source: Groundwater Charges,
Property Tax

Project Category	Number	Project Name	A	B	A + B		Project Phase (FY25)	Funded By	WUE %	WSS %	SCW %	Zone W-2 %	Zone W-5 %	Zone W-7 %	Zone W-8 %	
			Actual/	Remaining	FY25	Total										
			Appropriated	Cost to	Planned	Project										
			thru FY24*	Completion	Expenditure	Value										
Values last updated: 11-3-23 (All values are in thousands)																
B	60204016	Facility Management, Small Capital Improvements	4,000	60,006	4,006	64,006	(492)	Continuing	PT/W-2/W-5	60%	40%	0%	76.2%	18.3%	5.1%	0.4%
E	60204032	Headquarters Operations Building	2,705	13,128	312	15,833	(577)	Design	PT/W-2/W-5	60%	40%	0%	76.2%	18.3%	5.1%	0.4%
B	60204022	Security Upgrades and Enhancements	628	16,257	315	16,885	(319)	Des/Const	PT/W-2/W-5	60%	40%	0%	76.2%	18.3%	5.1%	0.4%
Buildings & Grounds Total:			7,333	89,391	4,633	96,724	(1,388)									

Validated - Future Unfunded Projects

None

Validated - Unfunded Total:

Legend:

- Black - Black Text: Continuing projects or projects carried forward from the FY24 CIP
- Orange - Orange Text: Projects to be completed or cancelled in FY 2024
- Green - Green Text: Projects in the Construction phase
- Blue - Blue Text: New projects proposed for the FY 25 CIP
- * - Column A: Actuals spent through prior year + planned expenditures in current year
- (s) - "s" suffix on project number signifies a group of projects on one project page

Project Driver:

- A. Regulatory requirements
- B. Repair or replacement of aging infrastructure
- C. District commitment (SCW, FAHCE)
- D. Water Utility Master Plan "No Regrets"
- E. Board Policy

of B&G Projects

0
2
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0
1

3

Funded by Legend:

- W-2 - North Zone; revenue is allocated based on % of benefit to the zone
- W-5 - South Zone; revenue is allocated based on % of benefit to the zone
- W-7 - South Zone; revenue is allocated based on % of benefit to the zone
- W-8 - South Zone; revenue is allocated based on % of benefit to the zone
- WUE - funded by revenue from Water Utility Enterprise Fund
- WSS - funded by revenue from Watershed and Stream Stewardship Fund
- CSC - funded by revenue from Clean Safe Creeks program
- SCW - funded by revenue from Safe Clean Water program
- PT - funded by revenue from Property Tax
- Subvent - funded by State Subventions

CIP Preliminary FY 2025-29 Five-Year Plan

Information Technology Projects

Revenue Source: Groundwater Charges,
Property Tax

Project Category	Project Number	Project Name	A	B		A + B	Change from FY24	Project Phase (FY25)	Funded By	WUE %	WSS %	SCW %	Zone W-2 %	Zone W-5 %	Zone W-7 %	Zone W-8 %
			Actual/	Remaining	FY25	Total										
			Appropriated	Cost to	Planned	Project										
			thru FY24*	Completion	Expenditure	Value										
Values last updated: 11-3-23 (All values are in thousands)																
E	73274009	Data Consolidation	1,249	36	36	1,285	(3)	Construction	PT/W-2/W-5	65%	35%	0%	76.2%	18.3%	5.1%	0.4%
B	73274001	IT Disaster Recovery	2,646	-	-	2,646	-	Construction	PT/W-2/W-5	65%	35%	0%	76.2%	18.3%	5.1%	0.4%
B	73274002	ERP System Implementation	17,443	-	-	17,443	(123)	Closeout	PT/W-2/W-5	65%	35%	0%	76.2%	18.3%	5.1%	0.4%
B	73274008	Software Upgrades & Enhancements	6,956	7,390	1,075	14,346	(66)	Des/Const	PT/W-2/W-5	65%	35%	0%	76.2%	18.3%	5.1%	0.4%
B	95274003	WTP-WQL Network Equipment	4,263	19,646	2,028	23,909	10,887	Construction	PT/W-2/W-5	100%	0%	0%	76.2%	18.3%	5.1%	0.4%
Information Technology Total:			32,557	27,072	3,139	59,629	10,695									

Validated - Future Unfunded Projects

None

Validated - Unfunded Total:

Legend:

Black - Black Text: Continuing projects or projects carried forward from the FY24 CIP

Orange - Orange Text: Projects to be completed or cancelled in FY 2024

Green - Green Text: Projects in the Construction phase

Blue - Blue Text: New projects proposed for the FY 25 CIP

* - Column A: Actuals spent through prior year + planned expenditures in current year; E: Board Policy

(s) "-s" suffix on project number signifies a group of projects on one project page

Project Driver:

A. Regulatory requirements

B. Repair or replacement of aging infrastructure

C. District commitment (SCW, FAHCE)

D. Water Utility Master Plan "No Regrets"

E. Board Policy

of IT Projects

0

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0

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1

5

CIP Preliminary FY 2025-29 Five-Year Plan

Information Technology Projects

Revenue Source: Groundwater Charges,
Property Tax

Project Category	Project Number	Project Name	A	B	A + B		Change from FY24	Project Phase (FY25)	Funded By	WUE %	WSS %	SCW %	Zone W-2 %	Zone W-5 %	Zone W-7 %	Zone W-8 %
			Actual/	Remaining	FY25	Total										
			Appropriated	Cost to	Planned	Project										
			thru FY24*	Completion	Expenditure	Value										
Values last updated: 11-3-23 (All values are in thousands)																

Funded by Legend:

W-2 - North Zone; revenue is allocated based on % of benefit to the zone
W-5 - South Zone; revenue is allocated based on % of benefit to the zone
W-7 - South Zone; revenue is allocated based on % of benefit to the zone
W-8 - South Zone; revenue is allocated based on % of benefit to the zone
WUE - funded by revenue from Water Utility Enterprise Fund
WSS - funded by revenue from Watershed and Stream Stewardship Fund
CSC - funded by revenue from Clean Safe Creeks program
SCW - funded by revenue from Safe Clean Water program
PT - funded by revenue from Property Tax
Subvent - funded by State Subventions

CIP GRAND TOTAL:	2,751,313	7,756,158	833,416	10,507,471	988,141
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	A	B	C	D	E
PROJECT DRIVER TOTALS:	3	29	18	-	12

Fund 12: Category 1 Projects

(TPC \$ and Schedule) based upon Prelim FY 2025-29 Five-Year Plan

Planning

Design

Construction

Closeout

- Existing infrastructure with BRE ≥ 88; and/or
- In construction and/or mandated

Type of Improvement		Fiscal Year														
		2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Flood Protection																
\$81.8M	Lower Llagas Creek Capacity															
\$35.1M	Lower Pen. Creek Improvements															
\$117.3M	SF Bay Shoreline (EIA 11)															

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Attachment 3
Page 1 of 15

Fund 12: Category 2 Projects

(TPC \$ and Schedule) based upon Prelim FY 2025-29 Five-Year Plan

Planning

Design

Construction

Closeout

• Existing infrastructure with BRE 76-87

Type of Improvement	Fiscal Year														
	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
<i>Flood Protection</i>															
<div>\$107M</div> <div>Guadalupe River Tasman Drive- I-880</div>															
<i>Water Resources Stewardship</i>															
<div>\$15.5M</div> <div>Calabazas/San Tomas Ck Marsh Connection</div>															

Fund 12: Category 3 Projects

(TPC \$ and Schedule) based upon Prelim FY 2025-29 Five-Year Plan

Planning

Design

Construction

Closeout

- Existing infrastructure with BRE ≤ 75
- NEW Infrastructure
- Placeholder/Small Caps

Type of Improvement	Fiscal Year														
	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
<i>Flood Protection</i>															
\$11.5M Palo Alto Tide Gates															
\$138.3M Berryessa Creek (Phases 1 and 2)*															
*Schedule displayed here is for Phases 1 through 3 of the Berryessa Creek project															
<i>Water Resources Stewardship</i>															
\$5.7M Pond A4 (Phase 1)															
<i>Placeholder Projects</i>															
\$13.7M Stevens Creek Fish Passage Const/Moffett Ave (FAHCE)															
\$49.7M Berryessa Creek (Phase 3) Construction															
\$23.1M** Ogier Ponds Construction															
**In addition to the \$23.1M shown here in Fund 12, the Ogier Ponds Project has \$12.5M in Fund 26. Fund 61 also includes planned funding for Ogier Ponds in the amount of \$73.1M, which includes placeholder project dollars of \$23.1M and \$50M earmarked in ADSRP for project mitigation.															
<i>Small Capital Improvements</i>															
\$189.2M WARP															

63

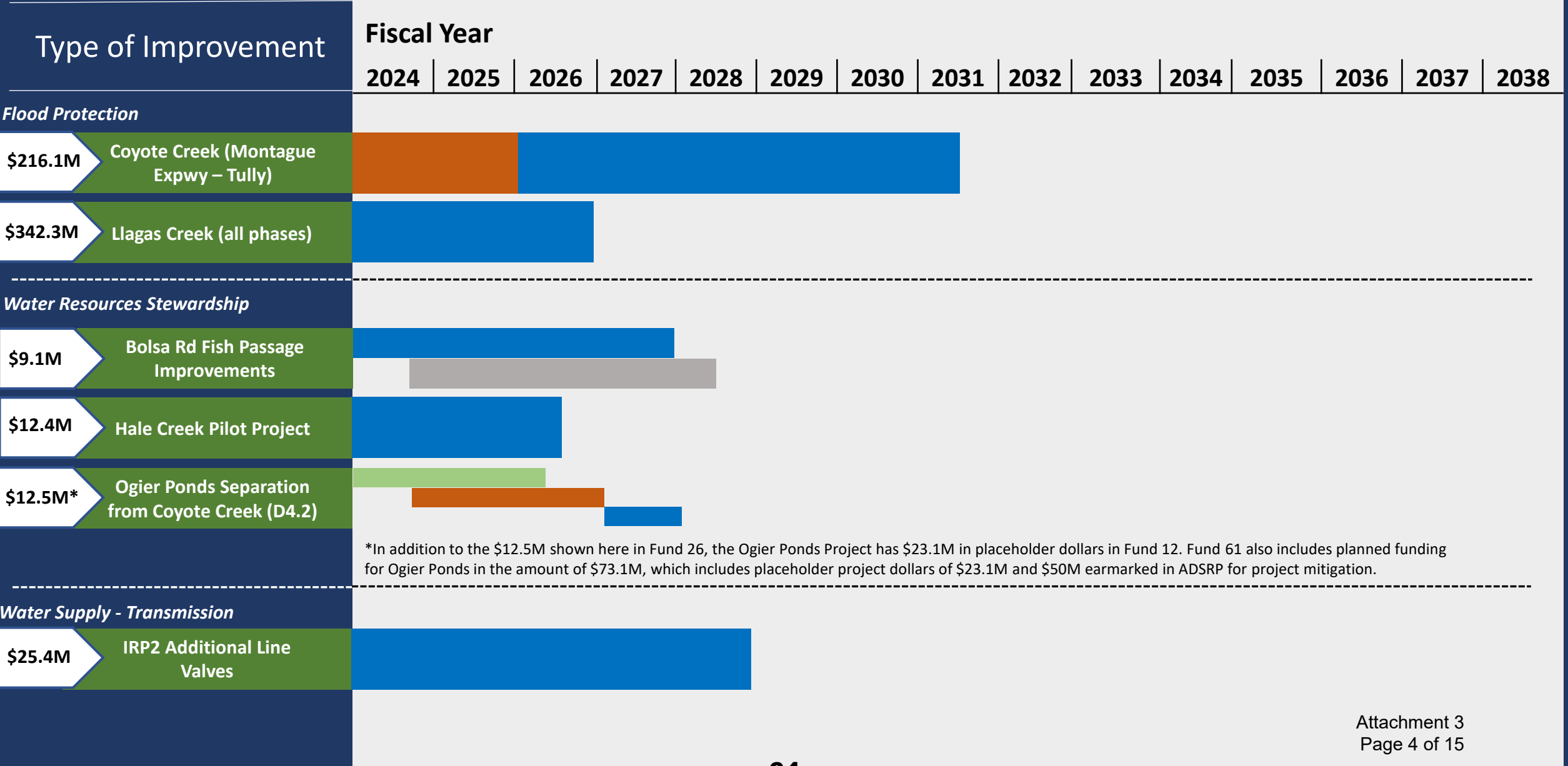
Attachment 3
Page 3 of 15

Fund 26: Category 1 Projects

(TPC \$ and Schedule) based upon Prelim FY 2025-29 Five-Year Plan



- Existing infrastructure with BRE ≥ 88; and/or
- In construction and/or mandated



Fund 26: Category 2 Projects

(TPC \$ and Schedule) based upon Prelim FY 2025-29 Five-Year Plan

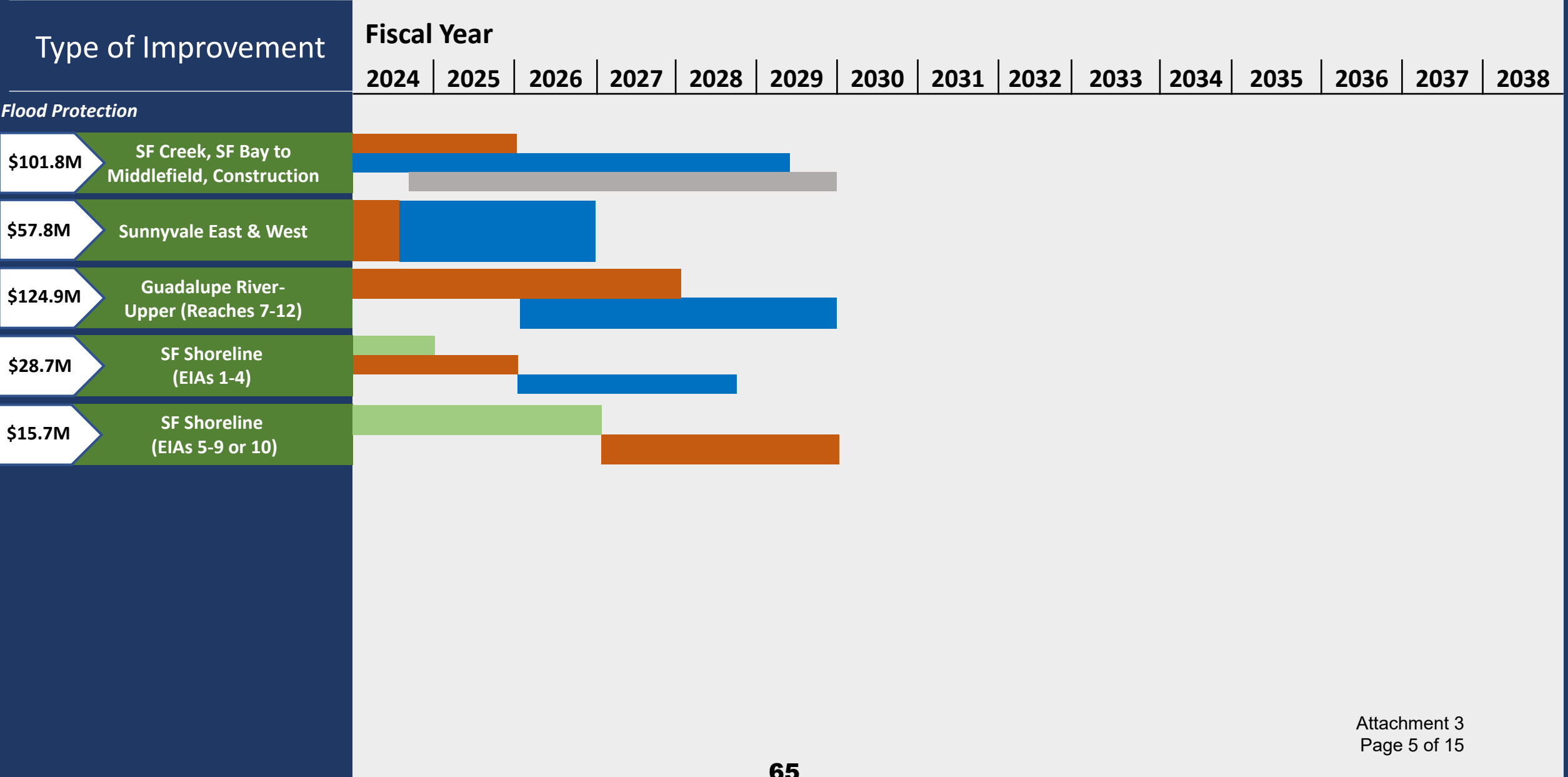
Planning

Design

Construction

Closeout

• Existing infrastructure with BRE 76-87



Fund 26: Category 3 Projects

(TPC \$ and Schedule) based upon Prelim FY 2025-29 Five-Year Plan

Planning

Design

Construction

Closeout

- Existing infrastructure with BRE ≤ 75
- NEW Infrastructure
- Placeholder/Small Caps

Type of Improvement	Fiscal Year														
	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Flood Protection															
\$7.8M Berryessa Creek, Phase 3- Planning & Design															
\$5.8M Upper Penitencia Creek, Coyote Ck- Dorel															
\$38.1M Guadalupe River (R6)*															
*Guadalupe River Reach 6 Phase I, gravel Augmentation complete. Phase II construction in FY29-30															
Water Resources Stewardship															
\$9.3M SCW D4.3 Fish Passage Improvements															

Attachment 3
Page 6 of 15

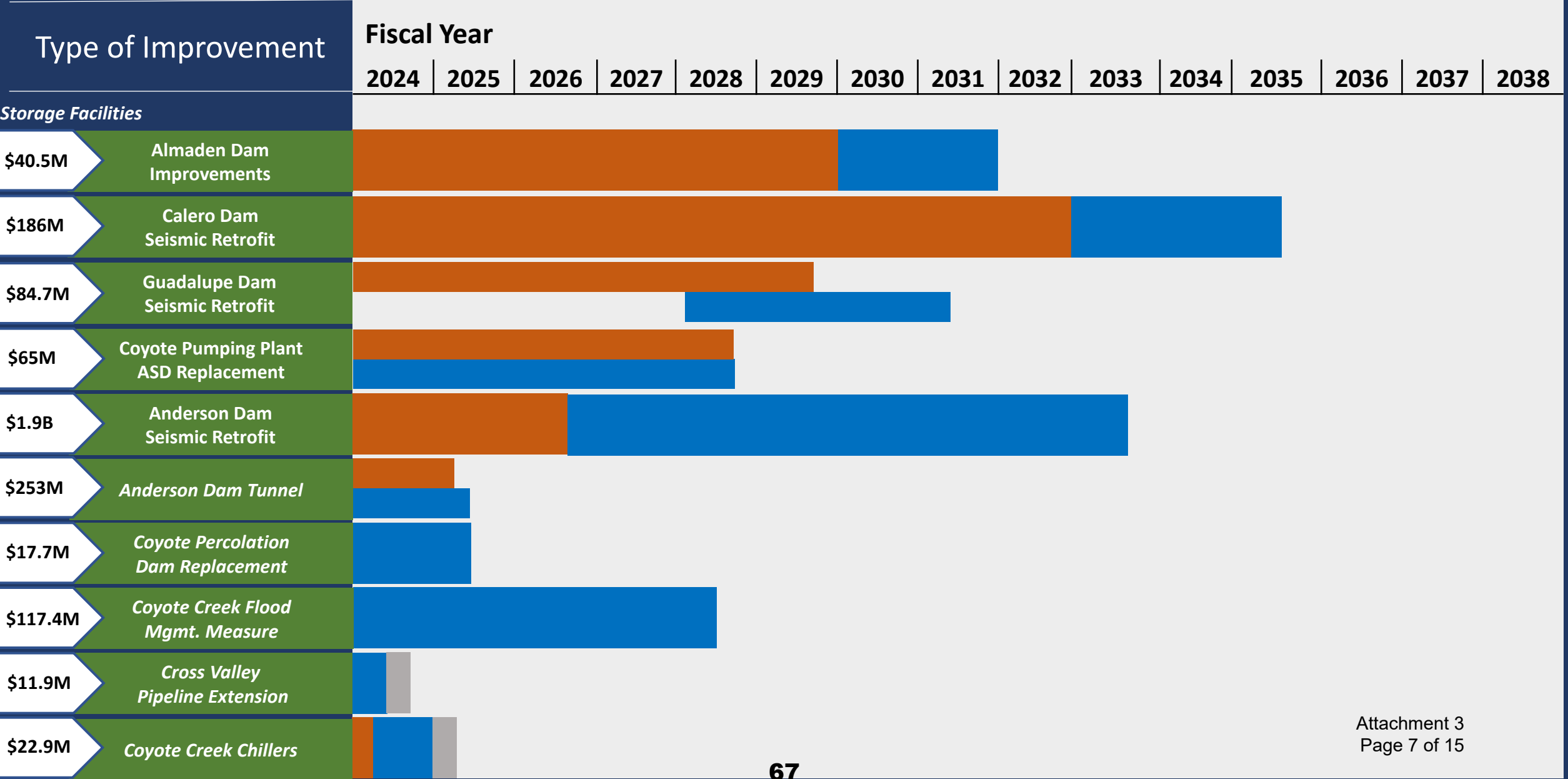
66

Fund 61: Category 1 Projects

(TPC \$ and Schedule) based upon Prelim FY 2025-29 Five-Year Plan



- Existing infrastructure with BRE ≥ 88; and/or
- In construction and/or mandated

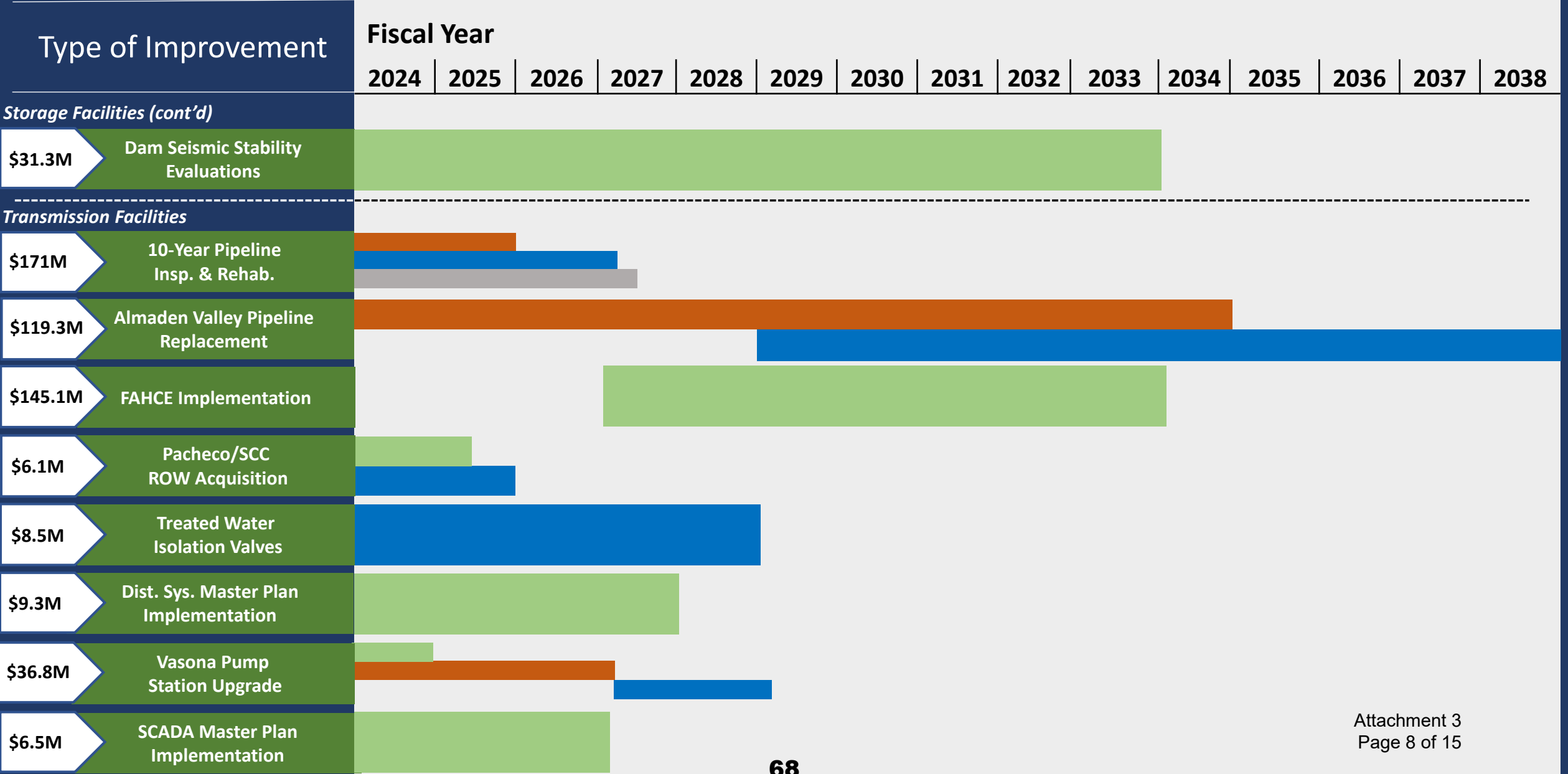


Fund 61: Category 1 Projects

(TPC \$ and Schedule) based upon Prelim FY 2025-29 Five-Year Plan



- Existing infrastructure with BRE ≥ 88; and/or
- In construction and/or mandated

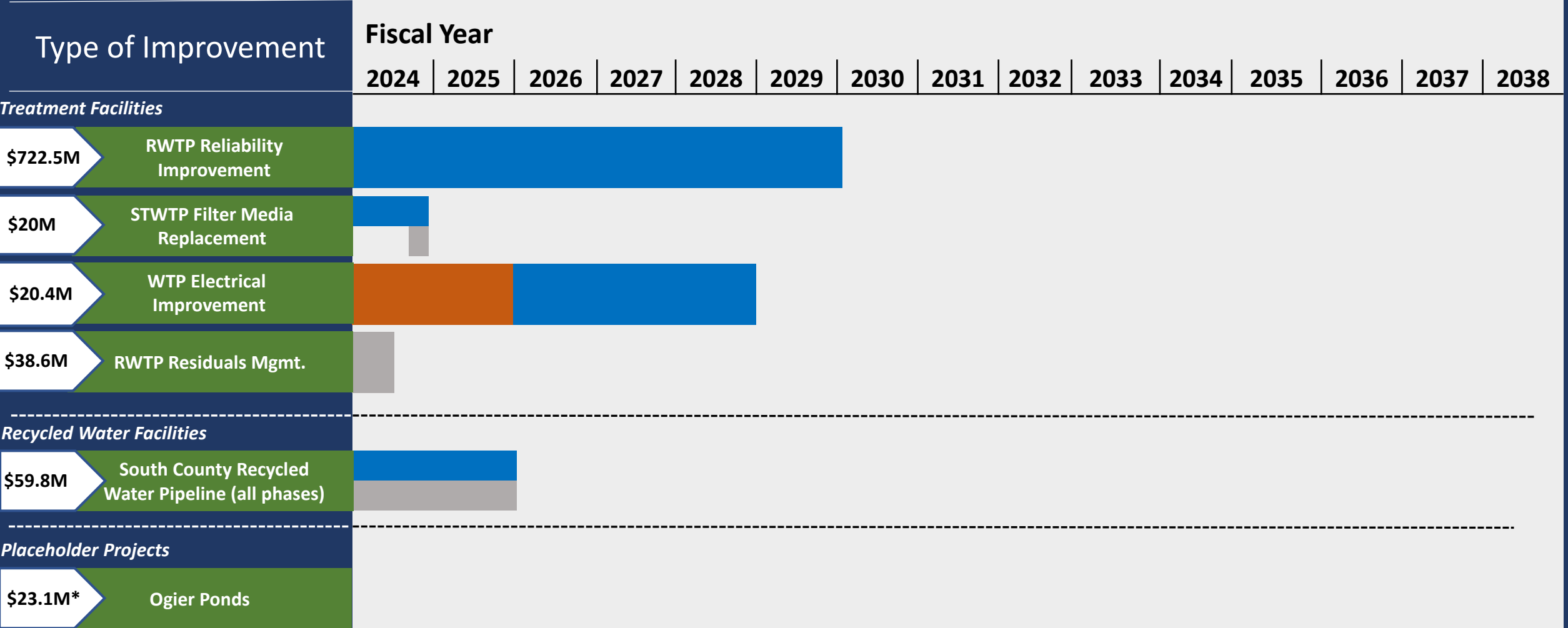


Fund 61: Category 1 Projects

(TPC \$ and Schedule) based upon Prelim FY 2025-29 Five-Year Plan



- Existing infrastructure with BRE ≥ 88; and/or
- In construction and/or mandated



*In addition to the \$23.1M shown here in Fund 61, the Ogier Ponds Project has \$12.5M in Fund 26. In Addition to this placeholder project, Fund 61 includes planned funding for Ogier Ponds in the amount of \$50M earmarked in ADSRP for project mitigation.

(TPC \$ and Schedule) based upon Prelim FY 2025-29 Five-Year Plan

Closeout

- Existing infrastructure with BRE 76-87

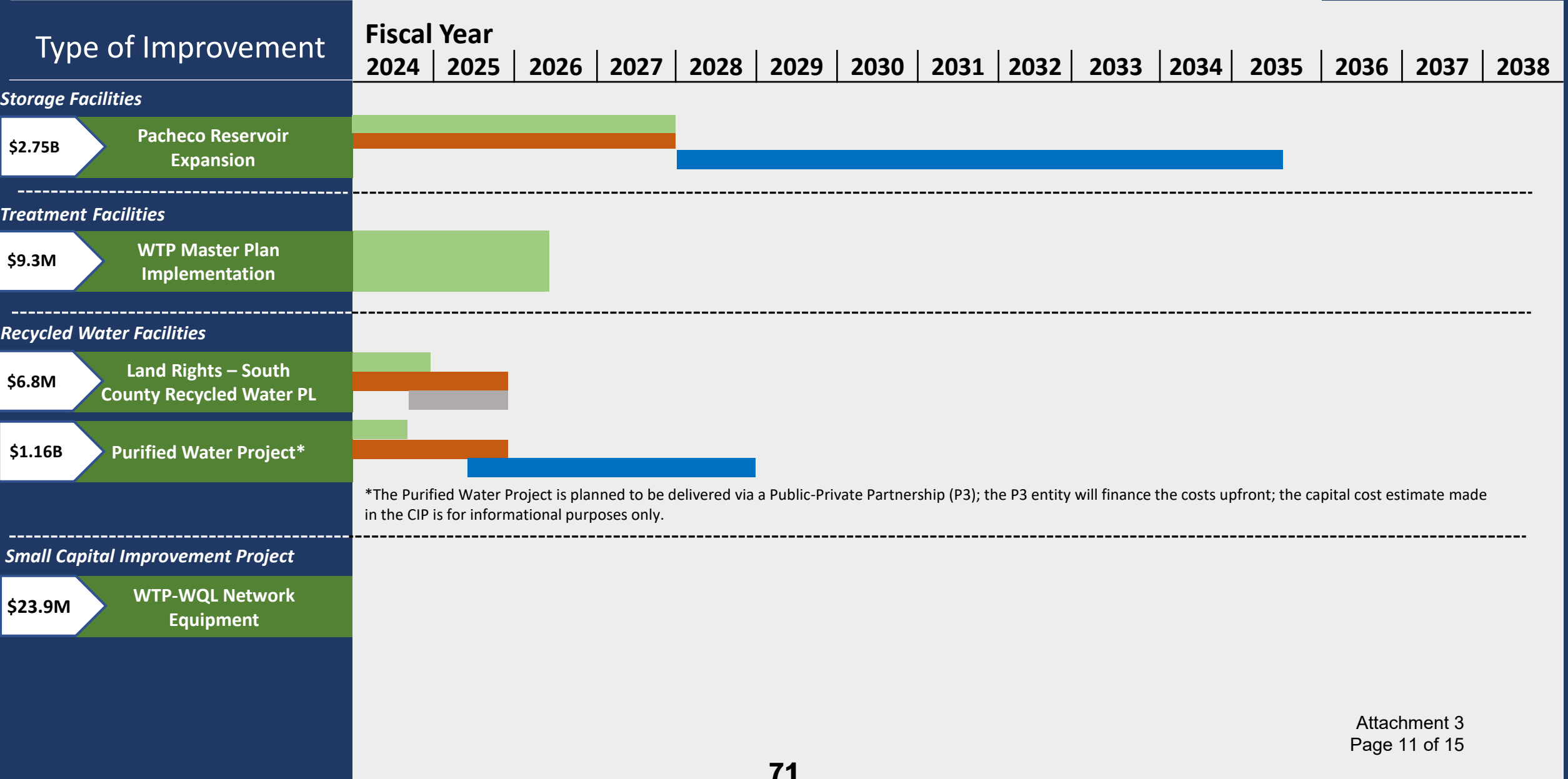
70

Fund 61: Category 3 Projects

(TPC \$ and Schedule) based upon Prelim FY 2025-29 Five-Year Plan



- Existing infrastructure with BRE ≤ 75
- NEW Infrastructure
- Placeholder/Small Caps



Fund 61: Category 3 Projects

(TPC \$ and Schedule) based upon Prelim FY 2025-29 Five-Year Plan

Planning

Design

Construction

Closeout

- Existing infrastructure with BRE ≤ 75
- NEW Infrastructure
- Placeholder/Small Caps

Type of Improvement	Fiscal Year													
	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037
Small Capital Improvement Projects														
\$73M San Felipe (Reaches 1-3)														
\$13.7M Raw Water Transmission														
\$0.78M Treated Water Transmission														
\$59.2M Water Treatment														
Placeholder Projects														
\$20M WS Habitat Enhancements														

72

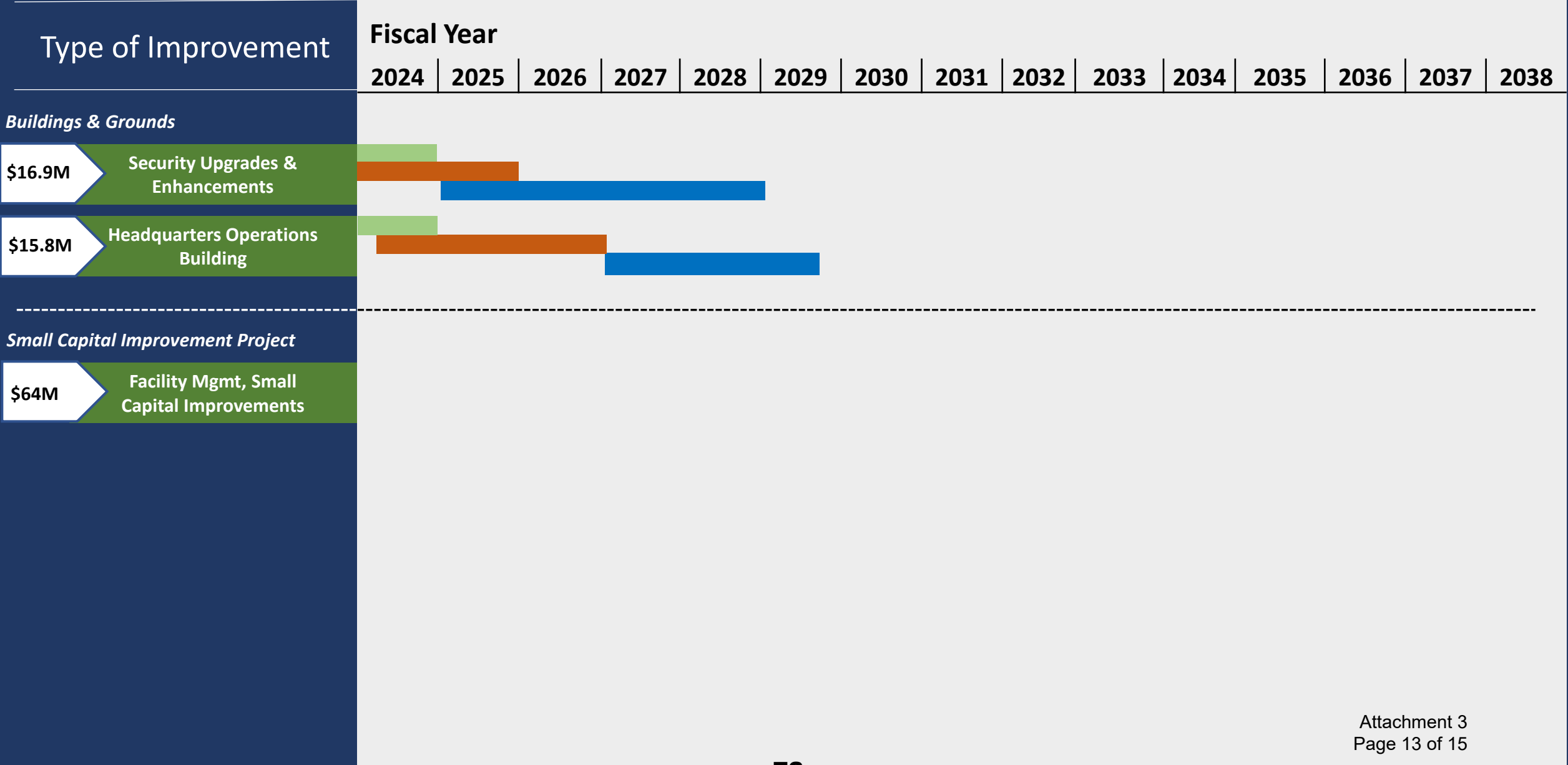
Attachment 3
Page 12 of 15

Fund 11: Category 3 Projects

(TPC \$ and Schedule) based upon Prelim FY 2025-29 Five-Year Plan



- Existing infrastructure with BRE ≤ 75
- NEW Infrastructure
- Placeholder/Small Caps



Fund 73: Category 1 Projects

(TPC \$ and Schedule) based upon Prelim FY 2025-29 Five-Year Plan

Planning

Design

Construction

Closeout

- Existing infrastructure with BRE ≥ 88; and/or
- In construction and/or mandated

Type of Improvement	Fiscal Year														
	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Information Technology															
\$2.6M IT Disaster Recovery															
\$1.3M Data Consolidation															

Attachment 3
Page 14 of 15

Fund 73: Category 3 Projects

(TPC \$ and Schedule) based upon Prelim FY 2025-29 Five-Year Plan

Planning

Design

Construction

Closeout

- Existing infrastructure with BRE ≤ 75
- NEW Infrastructure
- Placeholder/Small Caps

Type of Improvement	Fiscal Year														
	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Small Capital Improvement Project															
\$20.8M Software Upgrades & Enhancements															

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Initially Validated and Currently Unfunded Projects

Project Name	Estimated Total Project Cost (\$ thousands w/inflation)	Phase	Potential Funding Source	FY 2023-24 Funding Category	CIP Evaluation Team Recommendations
FY 2023-24 Initially Validated Projects					
Regnart Creek Rehabilitation*	\$9,000	Design	Funds 12/26	Category 1 – Existing Infrastructure	Recommended for funding in the CIP Preliminary FY 2025-29 Five-Year Plan
Permanente & Hale Creek Concrete Replacement*	\$21,000	Design	Funds 12/26	Category 1 – Existing Infrastructure	Move to Unfunded List due to lack of staff resources
Supervisory Control and Data Acquisition Master Plan Implementation Project (SMPIP) Upgrades Phase 1	\$11,000	Design	Fund 61	Category 2 – Existing Infrastructure	Recommended for funding in the CIP Preliminary FY 2025-29 Five-Year Plan
Alamitos Dam Replacement and Automation	\$10,000	Planning	Fund 61	Category 3 – Existing Infrastructure	Move to Unfunded List for additional analysis
San Jose Purified Water Project – Phase 1** (Demonstration Facility)	\$50,000	Planning	Fund 61	Category 3 – NEW Infrastructure	Recommended for funding in the CIP Preliminary FY 2025-29 Five-Year Plan
Coyote 10B Freshwater Wetlands	\$9,000	Planning	Fund 12	Category 3 – NEW Infrastructure	Recommended for funding in the CIP Preliminary FY 2025-29 Five-Year Plan (Mitigation Project)
Current Unfunded Projects					
South Babb Flood Protection (Long-Term)	\$23,000	Planning	Fund 12	Category 3 – Existing Infrastructure	Recommended to remain on Unfunded List
Pond A4 – Construction ONLY	\$34,000	Construction	Fund 12	Category 3 – NEW Infrastructure	Recommended to remain on Unfunded List

* Projects identified through planning under the Sustainable Creek Infrastructure Program (Safe, Clean Water – Project F8)

**Phase 2 San Jose Purified Water Project pending development of the Validation Study through the Phase 1 Demonstration Facility to meet Direct Potable Reuse requirements

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Capital Improvement Program (CIP) FISCAL YEAR 2025-29

Project Updates & Development of Preliminary Five-Year Plan

Presented by:

Jessica Collins, Business Planning and Analysis Unit Manager

Office of Integrated Water Management

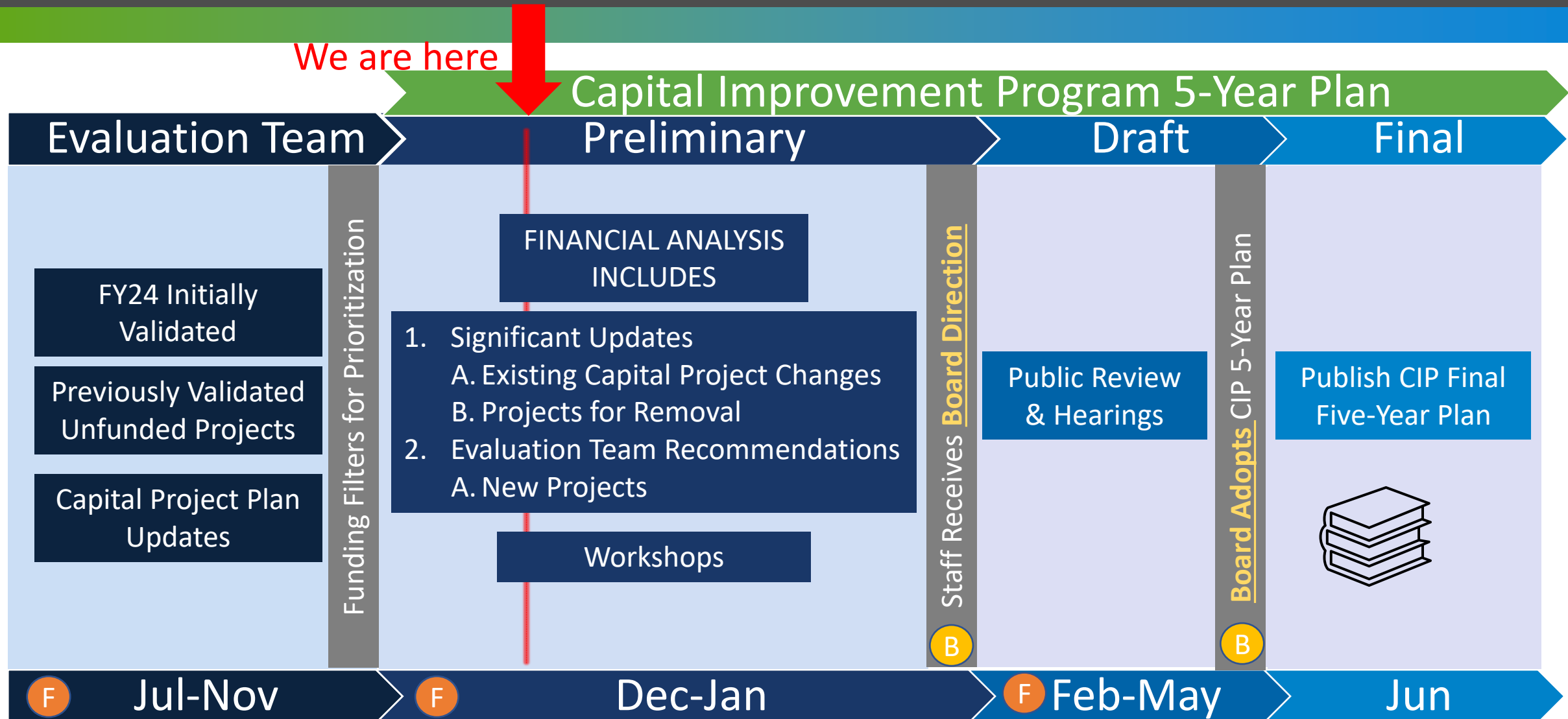
Capital Improvement Program Committee - December 11, 2023

Presentation Outline

1. Annual CIP 5-Year Plan Development
2. Project Plan Updates Summary
3. CIP Evaluation Team Analysis and Recommendations
 - A. Analysis and Recommendations by Fund
 - 1) Baseline
 - 2) Recommended
 - B. Initially Validated/Unfunded Projects
4. Next Steps



FY25 Annual CIP 5-Year Plan Timeline



F CIP Committee and/or Board Feedback: **Ideally by 12/11/2023 & 1/9/2024 for inclusion in Draft CIP 5-Year Plan**

B Key Decision Points for Board: 1/9/2024; 2/13/2024; **Final Approval & Adoption 5/14/2024**

Project Plan Updates Summary

Project Plan Updates from CIP Adopted Five-Year Plan

Overview of 35 Project Plan Updates*:

- **14 Projects** had changes to **Schedule and Cost**
- **7 Projects** had changes to **Cost Only**
- **4 Projects** had changes to **Schedule – Cost changes due to inflation**
- **4 Projects** had changes to **Scope, Schedule and Cost**
- **2 Projects** had changes to **Scope and Cost**
- **2 Projects** had changes to **Schedule Only**
- **1 Project** had changes due to **Small Capital Forecast Revisions**
- **1 Placeholder Project** had changes due to **Administrative Updates**

Project Plan Updates Fund Impacts

Changes from Adopted CIP FY 2024-28 Five-Year Plan

Impact, by fund, of the 35 project plan updates:

Fund	Cost Impact* (±)
General Buildings & Grounds (Fund 11)	-
Watersheds Stream Stewardship (Fund 12)	\$109.9M
Safe, Clean Water and Natural Flood Protection Program (Fund 26)	\$13.9M
Water Utility Enterprise (Fund 61)	\$1.074B
Information Technology (Fund 73)	-

** Cost includes inflation.*

New/Pending Project Plan Updates

Project plan updates are underway for the following projects:

1. Almaden-Calero Canal Rehabilitation (91854003)
2. STWTP Filter Media Replacement (93284013)
3. Purified Water Program (91304001)
4. Software Upgrades & Enhancements (73274008)
5. Watershed Asset Rehabilitation Program (62084001)

(NOTE: The pending changes have not been finalized and therefore are not incorporated into the Baseline CIP Preliminary FY 2025-29 Five-Year Plan. The changes will be incorporated and modeled for the January 9, 2024, Board Meeting, along with any additional project plan updates.)

CIP Preliminary FY 2025-29 Five-Year Plan (Baseline)

With changes from Adopted CIP FY 2024-28 Five-Year Plan

Fund	FY24-28 Adopted	FY25-29 Preliminary (Baseline)	Change in Cost (±)
General Buildings & Grounds (Fund 11)	\$98.112M	\$96.724M	-\$1.39M
Watersheds Stream Stewardship (Fund 12)	\$821.969M	\$851.119M	+\$29.15M
Safe, Clean Water and Natural Flood Protection Program (Fund 26)	\$1.243B	\$1.241B	- \$2.64M
Water Utility Enterprise (Fund 61)	\$7.362B	\$8.325B	+\$963.31M
Information Technology (Fund 73)	\$35.912M	\$35.843M	-\$0.069M
Totals:	\$9.561B	\$10.549B	\$988.372

Baseline Includes:

- Capital project plan updates
- Cost increases/decreases resulting from inflation
- Board approved project closures in FY 24

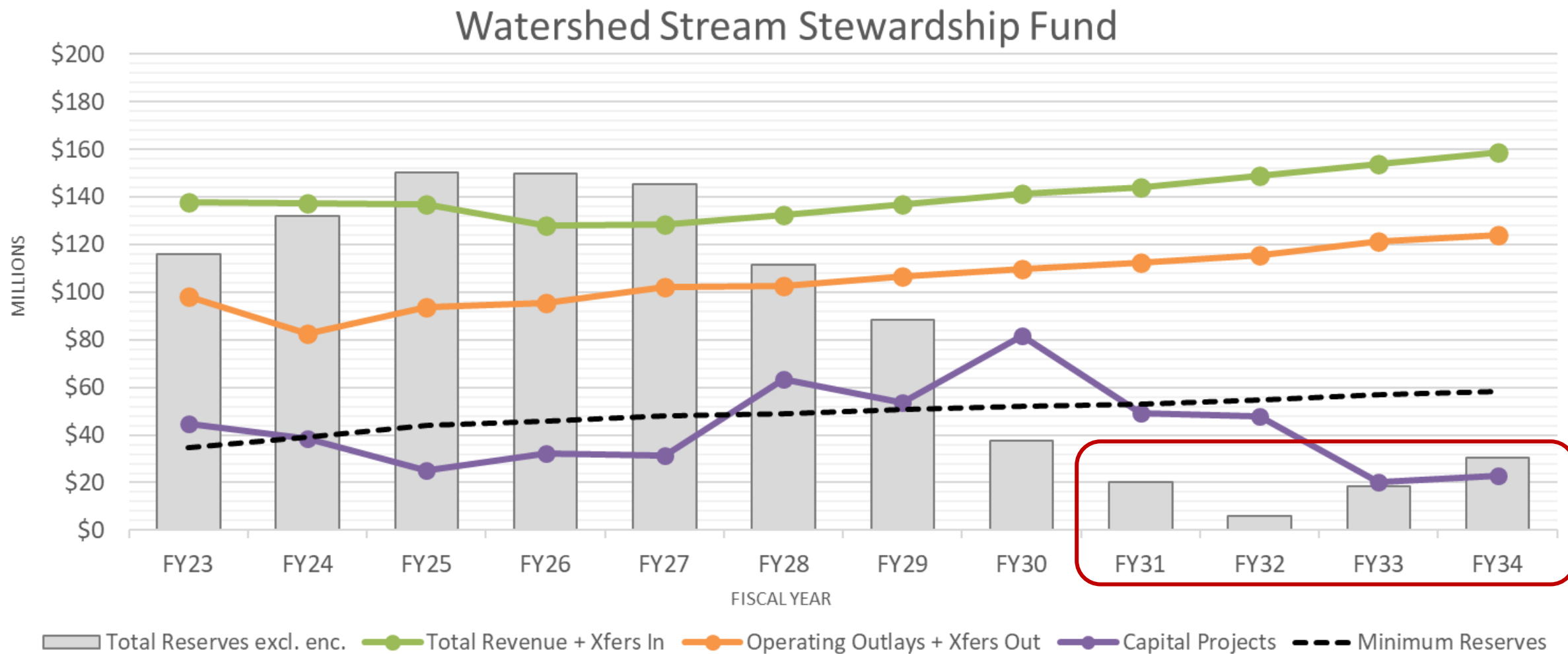
CIP Evaluation Team Analysis and Recommendations by Fund

Overview of Largest/Most Impactful Project Plan Updates:

Project Number	Project Name	Scope	Schedule Impact (±)	Cost Impact* (±)
50284010	Llagas Creek – Lower Capacity Restoration, Buena Vista Rd. to Pajaro River	-	+ 5 Years	+ \$92.9M
62084001	Watersheds Asset Rehabilitation Program (WARP): SMALL CAPITAL FORECAST REVISION	-	-	+ \$12.3M

* Cost includes inflation

Watershed Stream Stewardship Fund 12 - Baseline



CIP Evaluation Team Recommendations – Fund 12

Recommended Scenario = Baseline, with:

- (-) \$97.5M Reduction Removal of Lower Llagas Creek Capacity Restoration Project to Unfunded List in FY 25, with an additional \$1.5M in FY 24 to complete vegetation removal
- (+) \$2.2M Transfer Out Transfer into Fund 26 for F8: Sustainable Creek Infrastructure - Regnart Creek Rehabilitation Project
- (+) \$8.9M New Project Coyote 10B Freshwater Wetlands Project recommended for inclusion from the Initially Validated Project List

Coyote 10B Freshwater Wetlands

TPC: \$9 M

Funding: Fund 12

Duration: 3-4 Years

Location: South San Jose, CA

Project Location:

Metcalfe Road Area near HWY 101



Project Site: Coyote 10B

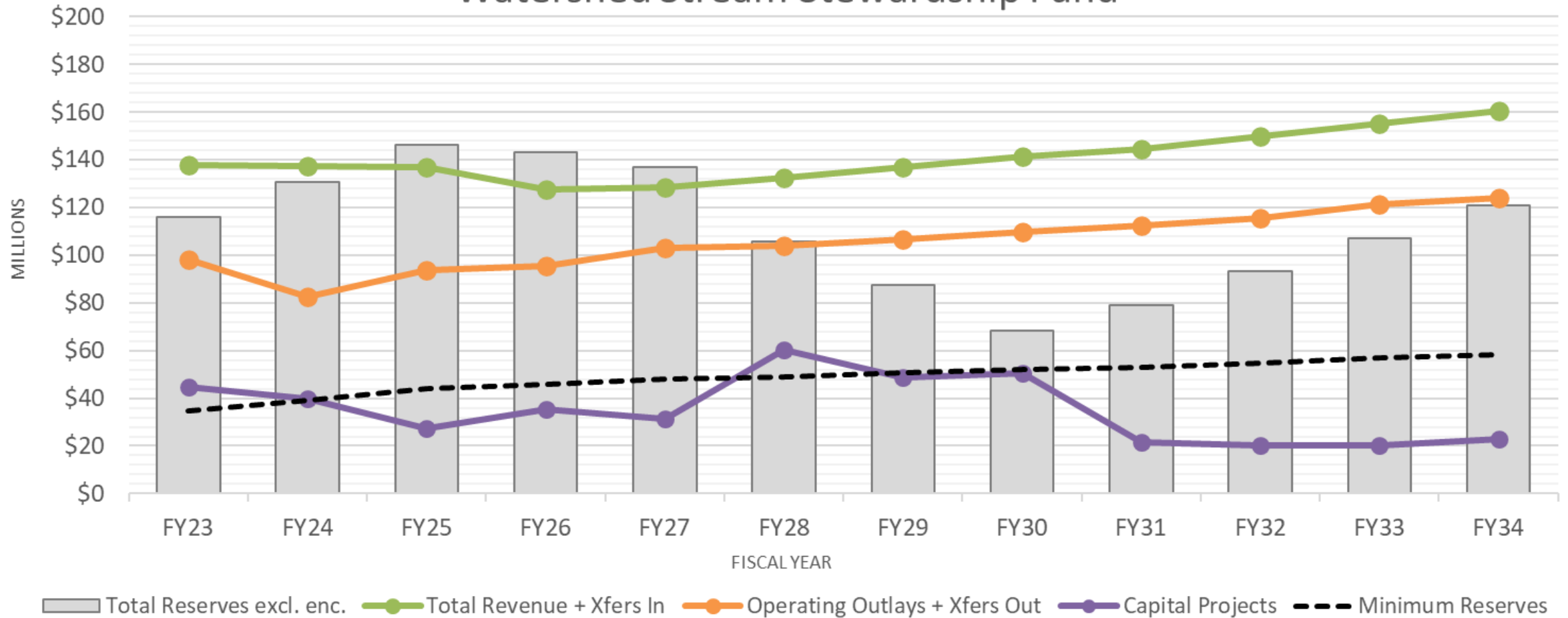


Objectives:

1. Meet mitigation requirements for the multi-year Stream Maintenance Program (SMP-3) from 2027-2037 in the Santa Clara Basin.
2. Create 7 acres of freshwater wetland
3. Create 1 acre of upland habitat
4. Create 1.5 acres (1,430 linear feet) of channel with inclusion of fisheries habitat features

Watershed Stream Stewardship Fund 12 – Recommended Scenario

Watershed Stream Stewardship Fund



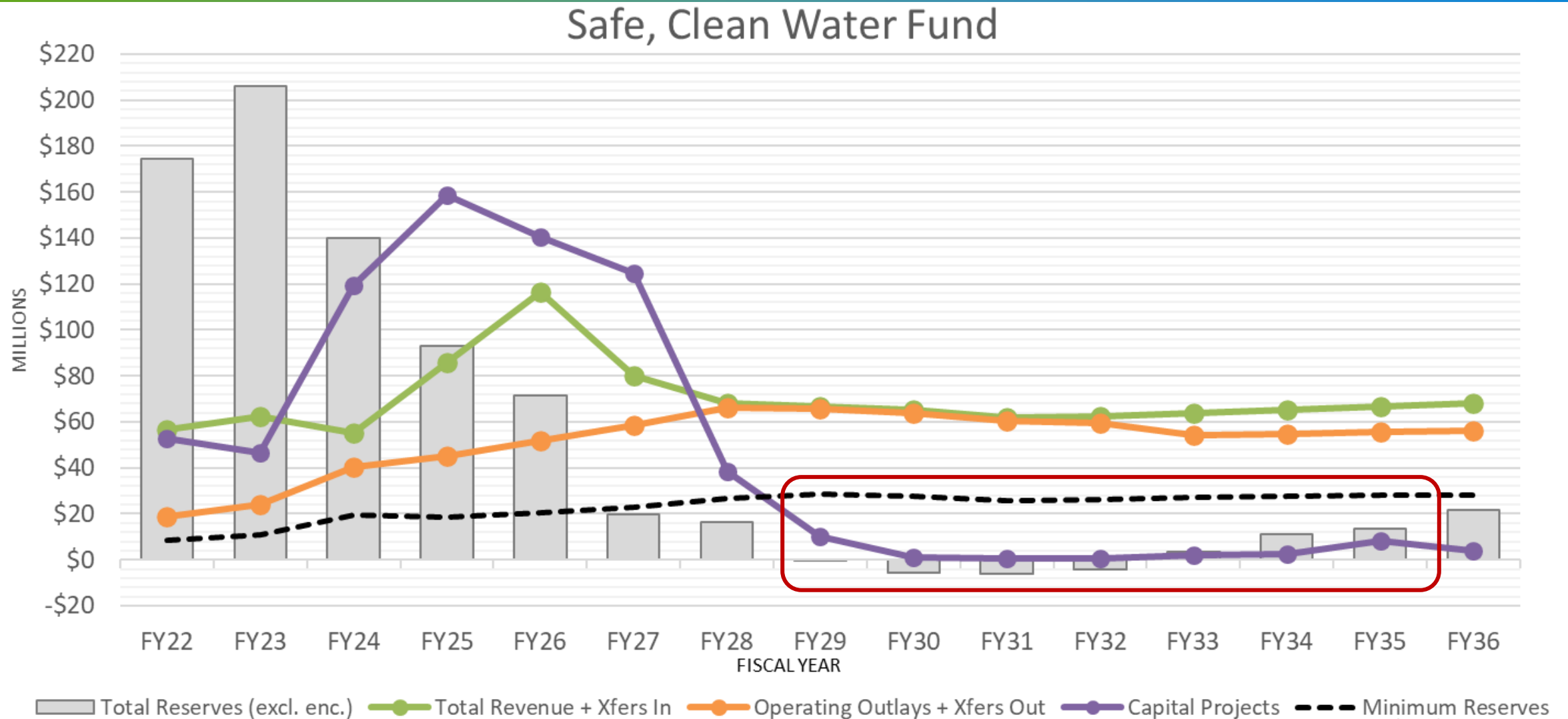
Overview of Largest/Most Impactful Project Plan Updates:

Project Number	Project Name	Scope	Schedule Impact (±)	Cost Impact* (±)
26764001	IRP2 Additional Line Valves (A3)	-	-	+ \$8.61M
26444004	San Francisco Bay Shoreline EIAs 5-10	-	+ 2 Years	+ \$2.32M
26174051	Llagas Creek – Upper Reimbursable (E6)	-	-	+ \$2.00M

* Cost includes inflation

Safe, Clean Water Fund 26 – Baseline*

* Includes removal of Almaden Lake Improvement Project to Unfunded List (prior Board decision); \$80M in NRCS funding for Upper Llagas Creek Flood Protection Project – Phase 2B; and \$6.8M placeholder for F8 project per SCW funding allocation.



CIP Evaluation Team Recommendations – Fund 26

Recommended Scenario = Baseline, with:

- (+) \$9.0M New Project F8: Sustainable Creek Infrastructure - Regnart Creek Rehabilitation Project recommended for inclusion from the Initially Validated Project List
- (-) \$2.2M Transfer In Transfer in from Fund 12 into Fund 26 for F8: Sustainable Creek Infrastructure - Regnart Creek Rehabilitation Project
- (-) \$9.9M Transfer In Transfer in from Fund 61 into Fund 26 for IRP2 Project A3 cost increases above funding allocation

Regnart Creek Rehabilitation Project

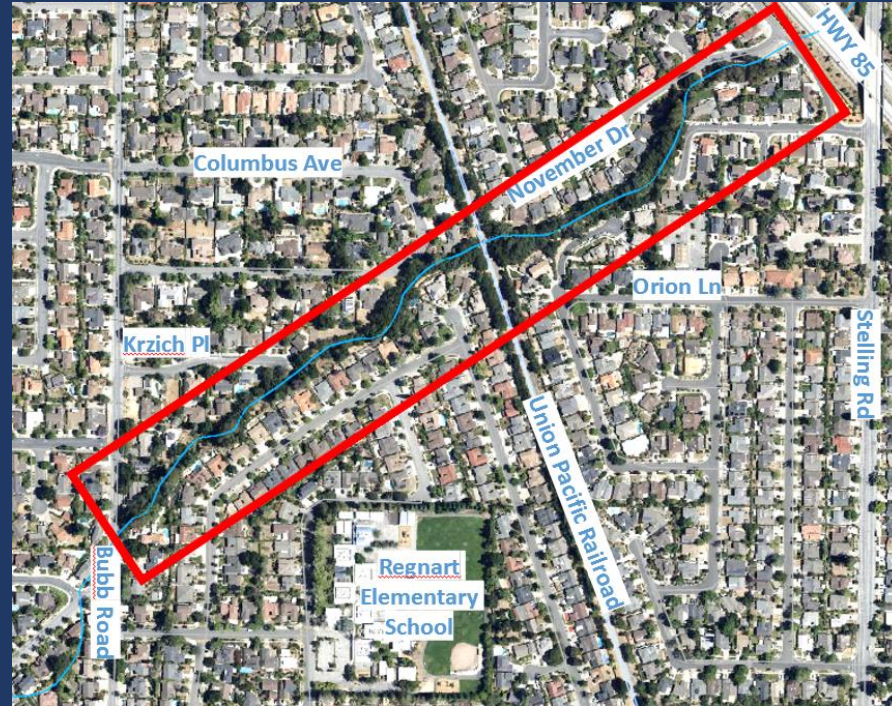
TPC: \$9 M

Funding: Funds 12/26

Duration: 2-3 Years

Location: Cupertino, CA

Project Limits: Festival Drive to Bubb Road



Bank Erosion & Creek Obstructions

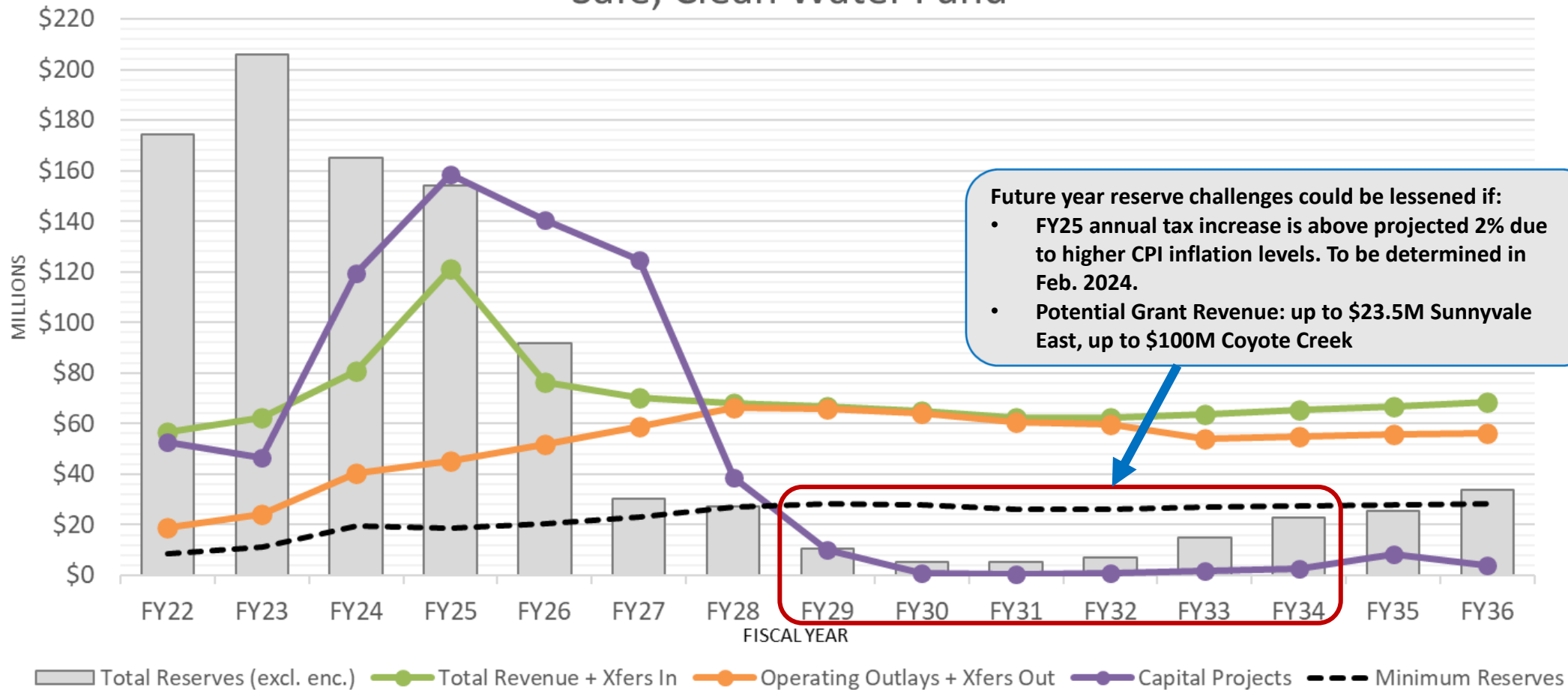


Objectives:

1. Execute SCW Project F8 work: Sustainable Creek Infrastructure for Continued Public Safety
2. Reduce the risk of bank failures that can impact adjacent properties
3. Apply geomorphic principles to reduce the frequency of erosion recurrence

Safe, Clean Water Fund 26 – Recommended Scenario

Safe, Clean Water Fund



Pending Grant Applications:

- Coyote Creek Flood Protection (\$50M BRIC & \$50M HMGP)
- Sunnyvale East Channel Flood Protection (\$23.5M)

Potential Grant Applications:

- Upper Penitencia Creek Flood Protection (\$20M)

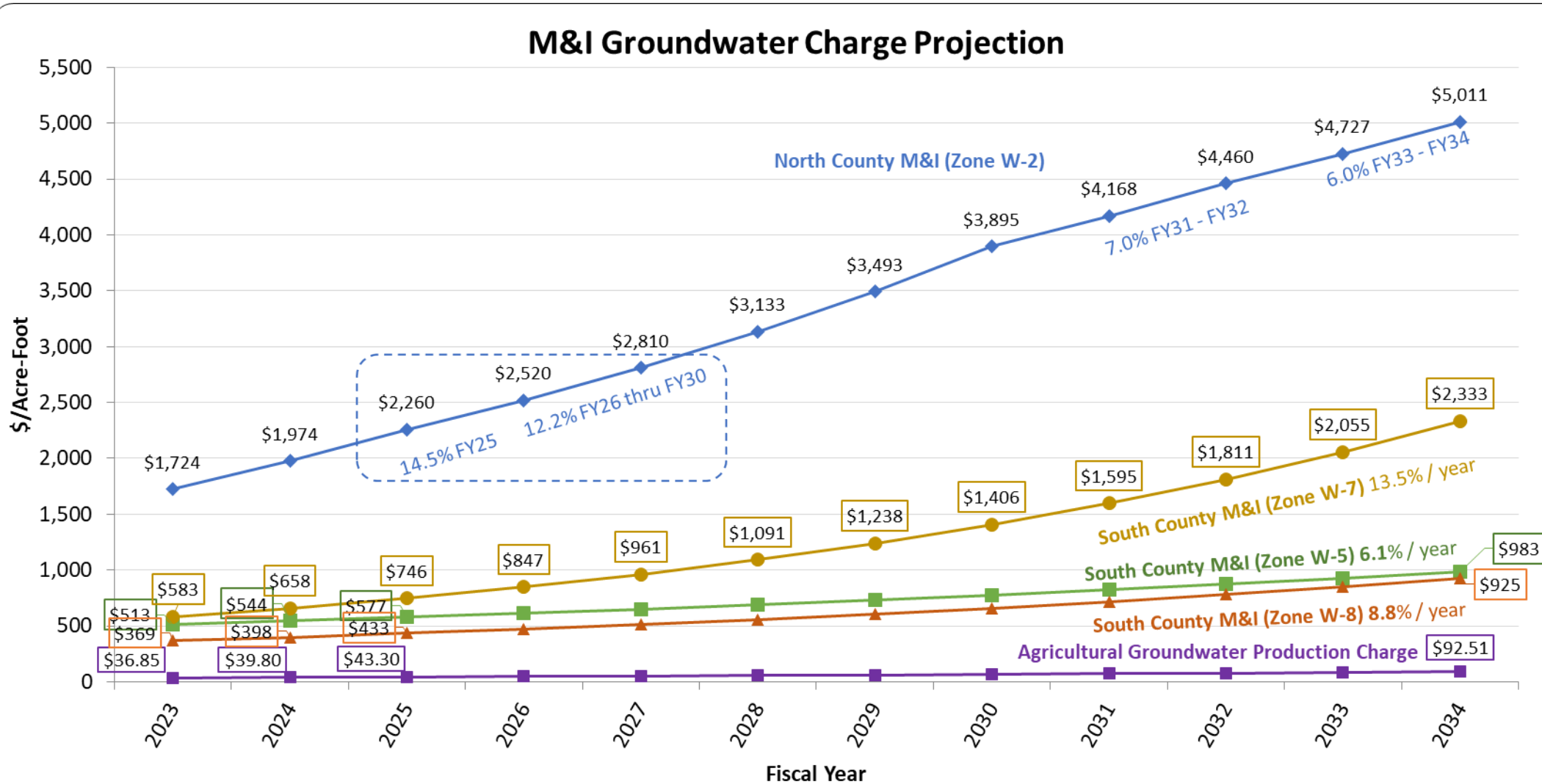
Overview of Largest/Most Impactful Project Plan Updates:

Project Number	Project Name	Scope	Schedule Impact (±)	Cost Impact* (±)
91864005	Anderson Dam Seismic Retrofit**	✓	+ 1.5 Years	+ \$894.39M
93294057	RWTP Reliability Improvement	-	-	+ \$94.69M
91234002	Coyote Pumping Plant ASD Replacement	-	+ 3 Years	+ \$36.98M
91874004	Calero Dam Seismic Retrofit (Design & Construction)	-	-	+ \$22.01M
95084002	10-Year Pipeline Rehabilitation	✓	-	+ \$15.97M

*Cost includes inflation

** The change to schedule does not impact the construction start date.

Water Utility Fund 61 – Baseline Rate Projections



Reflects baseline case for WUE Rate Projections.

FY25 Water Usage: 222kAF

DCP, LVE

Pacheco & Anderson w/WIFIA

PWP via P3

Ag @ 10% M&I

Sisk Dam Raise (Staff plans to recommend incorporating into baseline)

CIP Evaluation Team Recommendations – Fund 61

Recommended Scenario = Baseline, with*:

Pending updates to existing capital projects:

(+) \$20M Increase	\$20M for Almaden Calero Canal Rehabilitation (formerly part of the Almaden Dam Improvements Project)
(+) \$20M Increase	\$20M for Purified Water Project
(-) \$9.9M Transfer Out	Transfer in from Fund 61 into Fund 26 for IRP2 Project A3 cost increases above funding allocation

Initially validated capital projects recommended for funding in CIP:

(+) \$10.4M New Project	SCADA SMPIP Design Phase recommended for inclusion from the Initially Validated Project List
(+) \$50M New Project	San Jose Purified Water Project – Phase 1 recommended for inclusion from the Initially Validated Project List

SMPIP Upgrades – Phase 1

TPC: \$11 M

Funding: Fund 61

Duration: 9 Years

Project Location



Control Center



Protect and Maintain Existing Water Infrastructure

Objectives:

1. Upgrade aging Supervisory Control and Data Acquisition System (SCADA) communications
2. Implement additional backup control center capabilities for SCADA

San Jose Purified Water Project – Phase 1

TPC: \$50 M

Funding: Fund 61

Duration: 5-6 Years

Location: San Jose, CA

Proposed Project Site



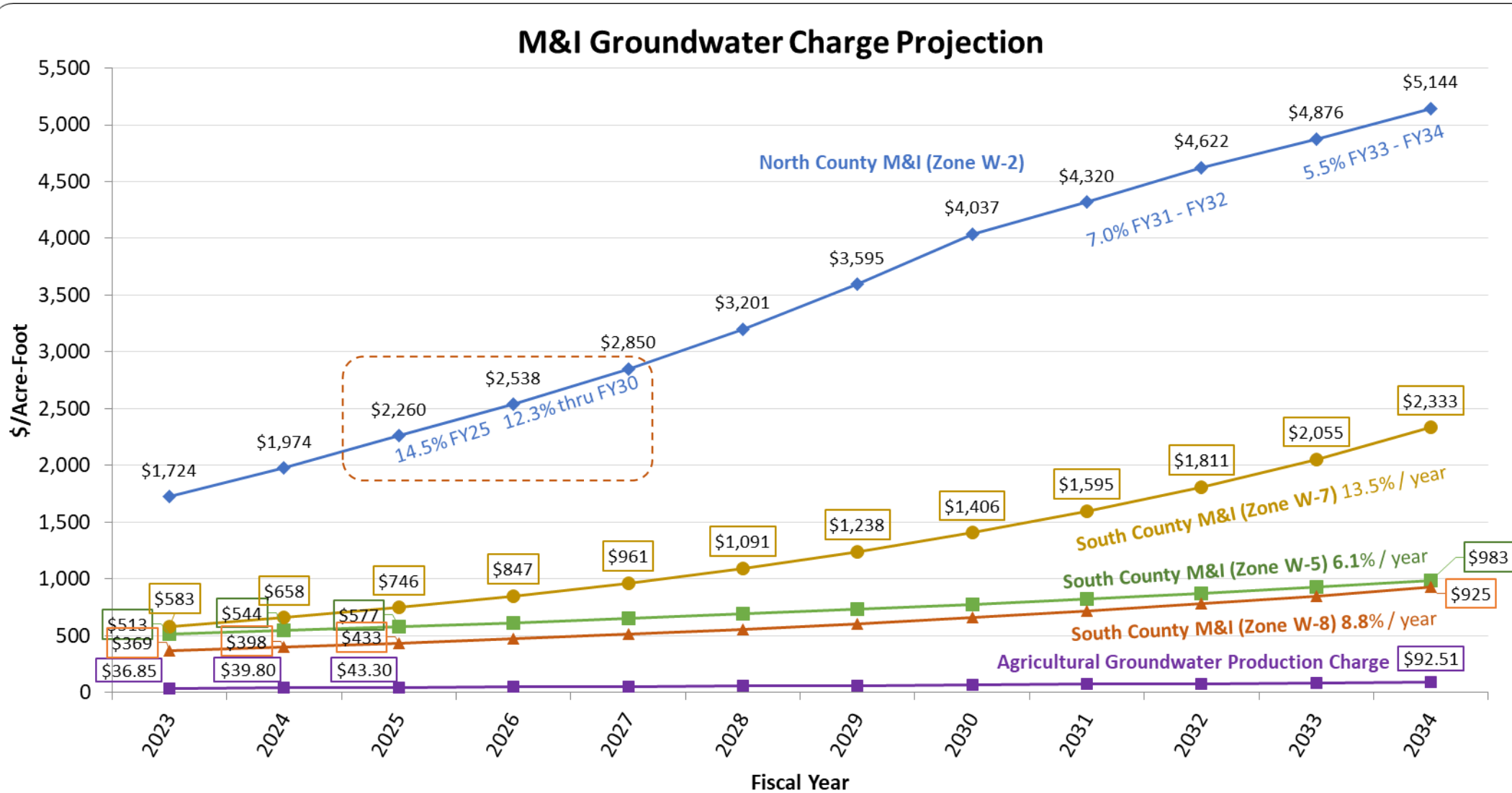
Future Facility



Objectives:

1. Construct Direct Potable Reuse (DPR) Demonstration Facility
2. Ensure successful implementation of a full-scale DPR Purified Water Project in San José
3. Ensure treatment train protects public health
4. Operator training
5. Public Outreach for Acceptance of DPR as a Reliable and Drought Resilient Water Supply

Water Utility Fund 61 –Recommended Baseline Rate Projections



Reflects baseline case for WUE Rate Projections.

FY25 Water Usage: 222kAF

DCP, LVE

Pacheco & Anderson w/WIFIA

PWP via P3

Ag @ 10% M&I

Sisk Dam Raise (Staff plans to recommend incorporating into baseline)

Utilize the CIP Evaluation Team Recommended Baseline for the CIP Preliminary FY 2025-29 Five-Year Plan to model the following rate-setting scenarios:

- Baseline with impacts of lower water use projection
- Baseline with impacts of successful GO Bond ballot measure
- Baseline with various Capital Project Funding Scenarios

CIP Preliminary FY 2025-29 Five-Year Plan (Recommended)

With changes from Adopted CIP FY 2024-28 Five-Year Plan

Fund	FY24-28 Adopted	FY25-29 Preliminary (Recommended)*	Change in Cost (±)
General Buildings & Grounds (Fund 11)	\$98.112M	\$96.724M	-\$1.388M
Watersheds Stream Stewardship (Fund 12)	\$821.969M	\$762.519M	-\$59.450M
Safe, Clean Water and Natural Flood Protection Program (Fund 26)	\$1.243B	\$1.250B	+ \$6.366M
Water Utility Enterprise (Fund 61)	\$7.362B	\$8.425B	+\$1.064B
Information Technology (Fund 73)	\$35.912M	\$42.370M	+\$6.458M
Totals:	\$9.561B	\$10.554B	\$993.063M

Recommended CIP Preliminary FY 2025-29 Five-Year Plan Includes:

- *CIP Evaluation Team Recommendations*
- *Capital project plan updates (including pending)*
- *Cost increases/decreases resulting from inflation*
- *Board approved project closures in FY 24*

* FY 2025-29 Preliminary Recommended totals are estimated based on recommendations and will be updated for 1/9/24 Board meeting.

CIP Preliminary FY 2025-29 Five-Year Plan (Baseline vs. Recommended)

Fund	FY25-29 Preliminary (Baseline)	FY25-29 Preliminary (Recommended)*	Change in Cost (±)
General Buildings & Grounds (Fund 11)	\$96.724M	\$96.724M	-
Watersheds Stream Stewardship (Fund 12)	\$851.119M	\$762.519M	-\$88.600M
Safe, Clean Water Program (Fund 26)	\$1.241B	\$1.250B	+\$9.000M
Water Utility Enterprise (Fund 61)	\$8.325B	\$8.425B	+\$100.400M
Information Technology (Fund 73)	\$35.843M	\$35.843M	-
Totals:	\$10.549B	\$10.570B	\$20.800M

**The estimated recommended preliminary totals do not incorporate all pending project plan updates reflected on slide 7, only those included in the CIP Evaluation Team Recommendations. Those not included will be incorporated and modeled for the January 9, 2024, Board Meeting.*

Initially Validated and Currently Unfunded Projects

Project Name	Estimated Total Project Cost (\$ thousands w/inflation)	Phase	Potential Funding Source	FY 2023-24 Funding Category	CIP Evaluation Team Recommendations
FY 2023-24 Initially Validated Projects					
Regnart Creek Rehabilitation*	\$9,000	Design	Funds 12/26	Category 1 – Existing Infrastructure	Recommended for funding in the CIP Preliminary FY 2025-29 Five-Year Plan
Permanente & Hale Creek Concrete Replacement*	\$21,000	Design	Funds 12/26	Category 1 – Existing Infrastructure	Move to Unfunded List due to lack of staff resources
Supervisory Control and Data Acquisition Master Plan Implementation Project (SMPIP) Upgrades Phase 1	\$11,000	Design	Fund 61	Category 2 – Existing Infrastructure	Recommended for funding in the CIP Preliminary FY 2025-29 Five-Year Plan
Alamitos Dam Replacement and Automation	\$10,000	Planning	Fund 61	Category 3 – Existing Infrastructure	Move to Unfunded List for additional analysis
San Jose Purified Water Project – Phase 1** (Demonstration Facility)	\$50,000	Planning	Fund 61	Category 3 – NEW Infrastructure	Recommended for funding in the CIP Preliminary FY 2025-29 Five-Year Plan
Coyote 10B Freshwater Wetlands	\$9,000	Planning	Fund 12	Category 3 – NEW Infrastructure	Recommended for funding in the CIP Preliminary FY 2025-29 Five-Year Plan (Mitigation Project)
Current Unfunded Projects					
South Babb Flood Protection (Long-Term)	\$23,000	Planning	Fund 12	Category 3 – Existing Infrastructure	Recommended to remain on Unfunded List
Pond A4 – Construction ONLY	\$34,000	Construction	Fund 12	Category 3 – NEW Infrastructure	Recommended to remain on Unfunded List

* Projects identified through planning under the Sustainable Creek Infrastructure Program (Safe, Clean Water – Project F8)

**Phase 2 San Jose Purified Water Project pending development of the Validation Study through the Phase 1 Demonstration Facility to meet Direct Potable Reuse requirements

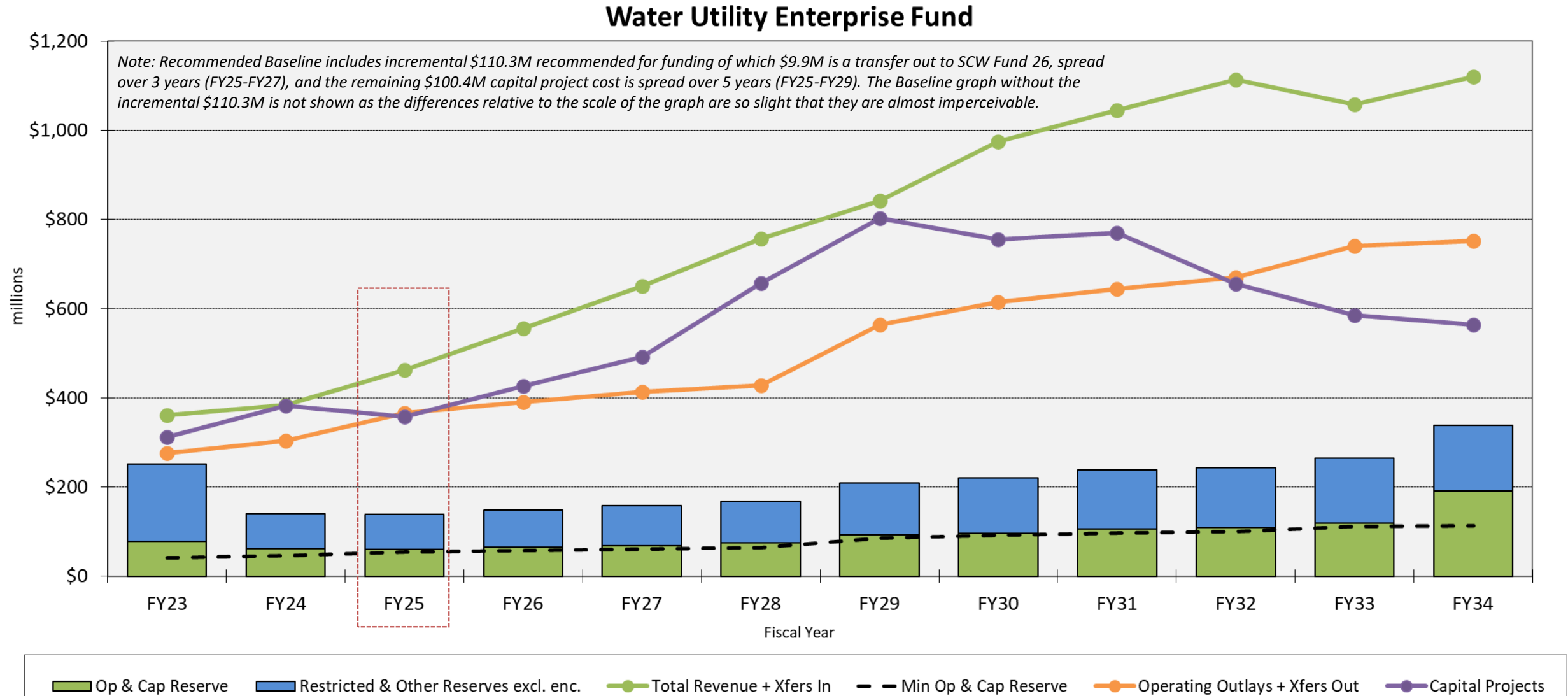
Next Steps

1. December 2023 – CIP Committee to provide feedback and recommendations regarding CIP Preliminary FY 2025-29 Five-Year Plan;
2. January 2024 – Board reviews and provides direction regarding CIP Preliminary FY 2025-29 Five-Year Plan; and
3. February 2024 – Present Draft Five-Year Plan for Board approval and release for 60-day public review.



Backup Slides

Water Utility Fund 61 – Recommended Baseline





Santa Clara Valley Water District

File No.: 23-1157

Agenda Date: 12/11/2023

Item No.: 4.3.

COMMITTEE AGENDA MEMORANDUM **Capital Improvement Program Committee**

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

SUBJECT:

Review 2023 and 2024 Capital Improvement Program Committee Work Plans and 2024 Proposed Meeting Schedule.

RECOMMENDATION:

- A. Review the 2024 Capital Improvement Program Committee Draft Work Plan and make adjustments, as necessary; and
- B. Confirm dates for 2024 CIP Committee meetings.

SUMMARY:

Work Plans are created and implemented by all Board Committees to increase Committee efficiency, provide increased public notice of intended Committee discussions, and enable improved follow-up by staff. Work Plans are dynamic documents managed by Committee Chairs and are subject to change. Committee Work Plans also serve to assist to prepare an Annual Committee Accomplishments Reports.

Discussion of topics as stated in the Plan have been described based on information from the following sources:

- Items referred to the Committee by the Board;
- Items requested by the Committee to be brought back by staff;
- Items scheduled for presentation to the full Board of Directors; and
- Items identified by staff.

The CIP Work Plan contained in Attachment 1 is a recap of items discussed in 2023 and will be used to prepare the Committee's 2023 Annual Accomplishments Report. The draft Work Plan contained in Attachment 2 is presented for the Committee's review to determine topics for discussion in 2024.

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. A calendar of proposed meeting dates contained in Attachment

3 is presented for the Committee's review and to confirm the meeting schedule for 2024. Some meeting dates have been adjusted in accordance with Valley Water's holiday schedule, pending Committee approval.

Establishing a work plan and meeting schedule are necessary to provide staff a basis for meeting planning and logistics coordination and agenda item preparation.

ENVIRONMENTAL JUSTICE IMPACT:

There are no Environmental Justice impacts associated with this item.

ATTACHMENTS:

Attachment 1: 2023 CIP Committee Work Plan

Attachment 2: 2024 CIP Committee Work Plan

Attachment 3: Proposed 2024 CIP Committee Meeting Dates

UNCLASSIFIED MANAGER:

Candice Kwok-Smith, 408-630-3193

CIP Committee 2023 Work Plan

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	16-Oct	30-Oct	Nov	Dec
Capital Project Monitoring													
Feasibility/Planning		X		X				X		X			
Design/Permitting		X			X			X				X	
Construction			X			X			X				
Projects in Mitigation/Plant Establishment						X							
CIP Implementation													
Water Treatment Plant Master Plan Implementation		X											
Pond A4 Resilient Habitat Restoration			X										
Design-Build Projects Update						X							
Construction Contract Contingency and Change Order Management						X							
Guadalupe River – Tasman to 880 Alternatives								X					
Pre- and Post-Award Contract Administration									X				
Palo Alto Flood Basin Tide Gate Structure Replacement Project										X			
Follow Up Regarding Discussion from 10/30 Special Meeting												X	
CIP Development													
Final CIP Performance Audit									X				
Water Supply Capital Workshop									X				
CIP Planning Process													
• Annual CIP Process and Integrated Financial Planning Schedule and Review of Initially Validated and Unfunded Projects										X	X		
CIP Preliminary 5-Year Plan													X
• Significant Project Plan Updates													X
Standing Items													
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												

Canceled

Recess

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CIP Committee 2024 Work Plan

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Capital Project Monitoring													
Feasibility/Planning	X			X			Recess	X		X			
Design/Permitting		X			X			X			X		
Construction	X		X			X			X			X	
Projects in Mitigation/Plant Establishment						X							
CIP Implementation													
Headquarters Operations Building Planning													
Construction Activities Carbon Footprint													
Master Plan/Implementation Projects													
Almaden Valley Pipeline Replacement													
CIP Development													
Final CIP Performance Audit										X			
Water Supply Capital Workshop										X			
CIP Planning Process													
• Annual CIP Process and Integrated Financial Planning Schedule and Review of Initially Validated and Unfunded Projects											X		
• Review Significant Project Plan Updates													X
Preliminary CIP Review													X
Standing Items													
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												

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PROPOSED CIP 2024 MEETING CALENDAR

JANUARY						
S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

FEBRUARY						
S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29		

MARCH						
S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

APRIL						
S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

MAY						
S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

JUNE						
S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

JULY						
S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

AUGUST						
S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

SEPTEMBER						
S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

OCTOBER						
S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

NOVEMBER						
S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

DECEMBER						
S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

= REGULAR MEETING

= RESCHEDULED MEETING DUE TO HOLIDAY

= HOLIDAY

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