



Santa Clara Valley Water District Capital Improvement Program Committee Meeting

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

REGULAR MEETING AGENDA

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

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, September 16, 2024

11:00 AM

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

*****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>

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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 August 19, 2024 Capital Improvement Program Committee Minutes. [24-0841](#)

Recommendation: Approve the minutes.

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

Attachments: [Attachment 1: 081924 CIP Committee Draft Minutes](#)

4. REGULAR AGENDA:

4.1. Receive an overview of the annual Capital Improvement Program (CIP) Development Process, the CIP FY 2025-29 Five-Year Plan capital projects by Fund and Funding Categories, and the Integrated Financial Planning Schedule. [24-0773](#)

Recommendation:

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

Manager: Luz Penilla, 408-630-2228

Attachments: [Attachment 1: PowerPoint](#)
[Attachment 2: Capital Projects by Fund and Funding Categories](#)

4.2. Consider and Recommend to the full Board the Best Value Construction Contractor Selection Method for the Anderson Dam Seismic Retrofit Project (ADSRP) and Receive Information on Staff's Recommended Procurement Plan to Select the ADSRP Construction Contractor. [24-0795](#)

Recommendation:

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

Manager: Ryan McCarter, 408-630-2983

Attachments: [Attachment 1: PowerPoint](#)

4.3. Receive and Discuss Information Regarding the Status of Capital Projects in the Construction Phase. [24-0657](#)

Recommendation: Receive and discuss information regarding the status of capital projects in the construction phase.

Manager: Emmanuel Aryee, 408-630-3074
Ryan McCarter, 408-630-2983
Bhavani Yerrapotu, 408-630-2735
Cecil Lawson, 408-630-2424

Attachments: [Attachment 1: Capital Project Monitoring Report - Construction Ph](#)

4.4. Receive Information on Change Orders to Anderson Dam Tunnel Project Construction Contract. [24-0660](#)

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

Manager: Ryan McCarter, 408-630-2983

Attachments: [Attachment A: Government Code § 84308: Flatiron West, Inc.](#)
[Attachment 1: Construction Contract Change Orders Status](#)
[Attachment 2: Construction Contract Financial Status](#)

4.5. Receive Information on Upcoming Consultant Agreement Amendments for Capital Projects. [24-0793](#)

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

Manager: Ryan McCarter, 408-630-2983

Attachments: [Attachment A: Government Code §84308](#)
[Attachment 1: Administratively Approved Time-Only Extension An](#)

4.6. Review 2024 Capital Improvement Program Committee Work Plan. [24-0652](#)

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

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

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

5. CLERK REVIEW AND CLARIFICATION OF COMMITTEE REQUESTS.

This is an opportunity for the Clerk to review and obtain clarification on any formally moved, seconded, and approved requests and recommendations made by the Committee during the meeting.

6. ADJOURN:

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



Santa Clara Valley Water District

File No.: 24-0841

Agenda Date: 9/16/2024

Item No.: 3.1.

COMMITTEE AGENDA MEMORANDUM Capital Improvement Program Committee

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

SUBJECT:

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

RECOMMENDATION:

Approve the minutes.

SUMMARY:

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

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

ATTACHMENTS:

Attachment 1: 081924 CIP Committee Draft Minutes

UNCLASSIFIED MANAGER:

Candice Kwok-Smith, 408-630-3193

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CAPITAL IMPROVEMENT COMMITTEE MEETING

DRAFT MINUTES

REGULAR MEETING
MONDAY, August 19, 2024
11:00 AM

(Paragraph numbers coincide with agenda item numbers)

1. CALL TO ORDER:

A regular meeting of the Santa Clara Valley Water District (Valley Water) Capital Improvement Committee (Committee) was called to order in the Valley Water Headquarters Building Boardroom at 5700 Almaden Expressway, San Jose, California, and by Zoom teleconference, at 11:01 a.m.

1.1 Roll Call.

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

Staff members in attendance were: Gina Adriano, Emmanuel Aryee, Aaron Baker, Erin Baker, Lisa Bankosh, Audrey Beaman, Sarah Berning, Mark Bilski, Wade Blackard, Sam Bogale, John Bourgeois, Todd Bridgen, Rick L. Callender, Rita Chan, Barton Ching, Jen Codianne, Jessica Collins, Enrique De Anda, Alicia Fraumeni, Meenakshi Ganjoo, Andrew Garcia, Rachael Gibson, Samantha Greene, Chris Hakes, Diahann Hudson, Susana Inda, Michele King, Candice Kwok-Smith, Peggy Lam, Cecil Lawson, Dave Leon, Sadie Lum, Becky Manchester, Jennifer Martin, Nick Mascarello, Ryan McCarter, Patrice McElroy, Tony Ndah, Carlos Orellana, Leslie Orta, Luz Penilla, Alison Phagan, Amandeep Saini, Stephanie Simunic, Kirsten Struve, Darin Taylor, Odilia Teixeira, Cheryl Togami, Jose Villarreal, Bhavani Yerrapotu, and Sarah

Young.

Public in attendance were: Shiloh Ballard, Fred Hochberg, K. Irvin, 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.

3.APPROVAL OF MINUTES:

- 3.1. Approval of July 15, 2024 Capital Improvement Program Committee Meeting Minutes.

Recommendation: Approve the minutes.

The Committee considered the attached minutes of the July 15, 2024 Committee meeting.

Public Comments: None.

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

Regular Agenda:

- 4.1. Receive information on Santa Clara Valley Water District's Greenhouse Gas Reduction Plan.

Recommendation: Receive information on Santa Clara Valley Water District's Greenhouse Gas Reduction Plan (GHGRP), including construction activities' carbon footprint, emissions forecast, and emissions reduction measures for achieving carbon neutrality by 2045.

Samantha Greene, Sarah Young, Lisa Bankosh, and Fred Hochberg from Ascent Environmental reviewed the information on this item, per the attached Committee Agenda Memo, and the corresponding presentation materials contained in Attachment 1. Samantha Greene, Lisa Bankosh, Tony Ndah, Kirsten Struve, and Tony Ndah were available to answer questions.

Public Comments: Katja Irvin spoke relating to emissions being counted, methane releases from reservoirs, and construction for imported water. Chairperson Hsueh requested that Ms. Irvin submit her comments in writing.

The Committee received the information and forwarded the report to the Board of Directors for consideration. The Committee requested

that staff provide information to the Committee relating to Valley Water's efforts to implement zero carbon emission vehicles in its fleet, and a timeline relating to the annual report and how it relates to the budget cycle.

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

Public Comments: None.

The Committee received the information, took no formal action, and requested that staff schedule a briefing with Director Beall relating to the Lower Guadalupe project.

4.3. 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.

4.4. Review 2024 Capital Improvement Program Committee Work Plan.

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

The Committee considered this item without a staff presentation.

Public Comments: None.

The Committee received the information and took no formal action.

5. CLERK REVIEW AND CLARIFICATION OF COMMITTEE REQUESTS:

This is an opportunity for the Clerk to review and obtain clarification on any formally moved, seconded, and approved requests and recommendations made by the Committee during the meeting.

The Committee took no action.

6. Adjourn:

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

Chairperson Hsueh adjourned the meeting at 12:25 p.m.

Dave Leon
Assistant Deputy Clerk II

Date Approved:



Santa Clara Valley Water District

File No.: 24-0773

Agenda Date: 9/16/2024

Item No.: 4.1.

COMMITTEE AGENDA MEMORANDUM Capital Improvement Program Committee

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

SUBJECT:

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

RECOMMENDATION:

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

SUMMARY:

The annual update of the Capital Improvement Program (CIP) Five-Year Plan includes project plan updates for all existing capital projects and a Validation Process to review and evaluate potential new capital projects for inclusion in the CIP, along with review points for the CIP Committee and decision points for the Board. A presentation that shows the steps in detail, along with an overview of the CIP FY 2025-29 Five-Year Plan capital projects by Fund and Funding Categories and the integrated financial planning schedule, is included in the PowerPoint Presentation (Attachment 1).

CIP Development Process Overview

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

From May through September, staff submits the business case for review by their respective Deputy Operating Officer (DOO) or Deputy Administrative Officer (DAO). If staff's respective DOO/DAO approves the project, it is submitted to the CIP coordinator. Simultaneously, project managers update

their existing capital projects to reflect changes to scope, schedule, and project cost/planned expenditures, which are also subject to approval by the respective DOO/DAO.

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

Newly Implemented Funding Categories

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

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

Further details of the three Categories are as follows:

1. Category 1: 19 points

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

2. Category 2: 13-18.5 points

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

3. Category 3: 12.5

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

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

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

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

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

Board consideration of removing/unfunding projects. As each of Valley Water's Funds is facing constraints due to rising capital costs, staff is introducing a new step in the CIP Development Process. The current CIP FY 2025-29 Five-Year Plan capital projects will be discussed with the board, by Fund and Funding Categories, on October 8, 2024. Staff will return on October 22, 2024, to receive input and direction as to whether there are any currently funded capital projects that the Board would like to consider for removal or placement on the unfunded list until additional funding can be identified, for the next CIP Five-Year Plan being developed (FY2026-2030).

Staff analysis and recommendations. The CIP Evaluation Team (Chief Executive Officer (CEO), Assistant CEO, Chiefs and Deputies of the divisions initiating, delivering, implementing, and operating capital projects) will then meet in November to consider the Board's feedback received and review the financial models. The Team will determine which, if any, unfunded projects should be recommended for inclusion and whether any of the currently funded capital projects should be recommended for removal or placement on the unfunded list, for the next CIP Five-Year Plan being developed.

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

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

CIP Committee review and feedback. Based upon the outcome of its review, the CIP Evaluation Team will provide recommendations regarding whether any projects should be recommended for inclusion, removal, or placement on the unfunded list, for the next CIP Five-Year Plan being developed. Funding scenarios that include these recommendations will be presented to the CIP Committee for review and feedback in December, along with the CIP Preliminary FY 2026-2030 Five-Year Plan. In addition, the CIP Committee will receive an overview of the significant project plan updates from prior year's Board-adopted CIP FY 2025-2029 Five-Year Plan.

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

The Integrated Financial Planning Schedule presented in Attachment 1 (slide 18), provides an overview of all the steps in the CIP Development Process, along with the Water Rate Setting Process, and Annual Budget Cycle.

ENVIRONMENTAL JUSTICE IMPACT:

There are no environmental justice and equity impacts associated with receiving an overview of the annual Capital Improvement Program Development Process, the CIP FY 2025-29 Five-Year Plan capital projects by Fund and Funding Categories, and the Integrated Financial Planning Schedule.

ATTACHMENTS:

Attachment 1: PowerPoint

Attachment 2: Capital Projects by Fund and Funding Categories

UNCLASSIFIED MANAGER:

Luz Penilla, 408-630-2228



Developing the Capital Improvement Program

Board & Community Engagement Processes

Presented by:

**Luz Penilla, Assistant Officer - Office of Integrated Water Management
Capital Improvement Program Committee - September 16, 2024**

Agenda

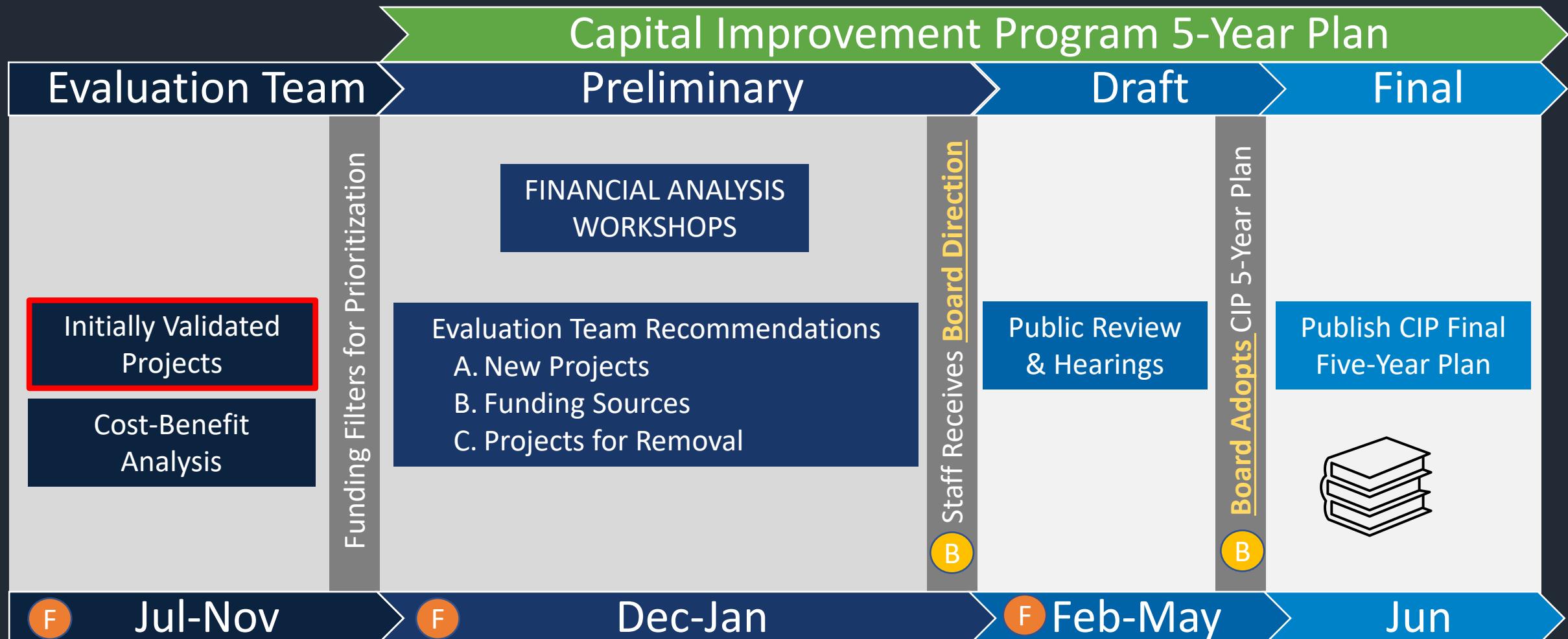
- 1. CIP Development**
 - A. New project identification
 - B. Adding/removing projects
 - C. Tools to aid Board in decision-making
- 2. Review of Projects by Category**
 - A. CIP FY 2025-29 Five-Year Plan Projects
 - 1) Organized by Fund and Funding Categories
- 3. Next Steps**
 - A. Integrated Financial Planning Schedule



Identifying new projects for the CIP

How are new capital projects identified
and initially validated?

Annual CIP 5-Year Plan Timeline



Drivers for New Capital Projects



Minimizing asset life-cycle costs while sustainably delivering the levels of service that meet customer expectations at an acceptable level of risk as expressed through the Board. (I-EL-6.4.a)



Initial Project Validation for CIP Preliminary Five-Year Plan

1. Business Case Report*
 - A. Life-cycle Cost
 - B. Risk
 - C. Options
 - D. Costs: Capital, O&M, Benefits
2. Initially Validated Project
3. Evaluation Team
 - A. Prioritization
 - 1) Funding Filters & Categories
 - B. Resource Analyses
 - 1) Funding (Internal/External)
 - 2) Staff

The image shows a screenshot of a Business Case Report template. The header includes the Santa Clara Valley Water District logo and the title "BUSINESS CASE REPORT FOR <Project Title>". The report is dated "Page 6 of 10".

IV. LIFE-CYCLE COSTING (LCC) AND BUSINESS RISK EXPOSURE (BRER)

A. Summary Table – see attached.

Use the Validation Tool Kit to prepare a life-cycle business risk exposure (BRER) for each feasible alternative. Attach the summary analysis table and detailed instructions. Attach the summary analysis table and detailed instructions. Attach the summary analysis table and detailed instructions.

B. BRE Assumptions

Describe any assumptions used in determining the BRER scores.

- Provide reasoning for CoE scores.
- Provide an explanation of any redundancy.

C. LCC Assumptions

Describe any key assumptions used in developing the LCC analysis.

III. OPTIONS ANALYSIS

Complete the table below with a brief description of each option. The Status Quo Option should be analyzed for all projects. Besides the Status Quo, not all options will apply to every project. It is possible to have more than one alternative for each type of option. For example, there may be two options for "operate differently", and the "maintain differently" option may not apply.

	Option	Brief Description
1.	Status Quo / Baseline	Continue operating and maintaining the asset as it is currently being done. This is the base case and should be analyzed for all projects with existing processes.
2.	Do Nothing / Run to Fail	Running an asset to failure. It involves not spending any money on planned maintenance or refurbishments unless required to maintain a minimum level of service to the customer.
3.	Operate Differently	Changing operations to meet the project objectives. Examples include running a pump at lower speeds or releasing lower flows into a channel.
4.	Maintain Differently	Changing the maintenance program to meet the project objective. Examples include increasing the frequency of planned maintenance.
5.	Refurbish / Rehabilitation	Transforming the asset to "as new" condition. It includes replacement of a component/part or parts, or equivalent intervention sufficient to return the asset to as-new condition.
6.	Replace	Substitution of an entire asset with a new or equivalent asset.
7.	New Asset or Augmentation	Augmenting an asset or adding a new asset, typically to meet new level of service or capacity requirements.
8.	Decommission	Retiring the asset at the end of its useful life.
9.	Non Asset Solutions	A solution that meets the project objective(s) without changing the asset or its operations and maintenance plans. Examples include changing policies, contracts, or permit requirements to decrease demand on the asset, such as conservation.
10.	(Other options)	Identify any other feasible alternatives.

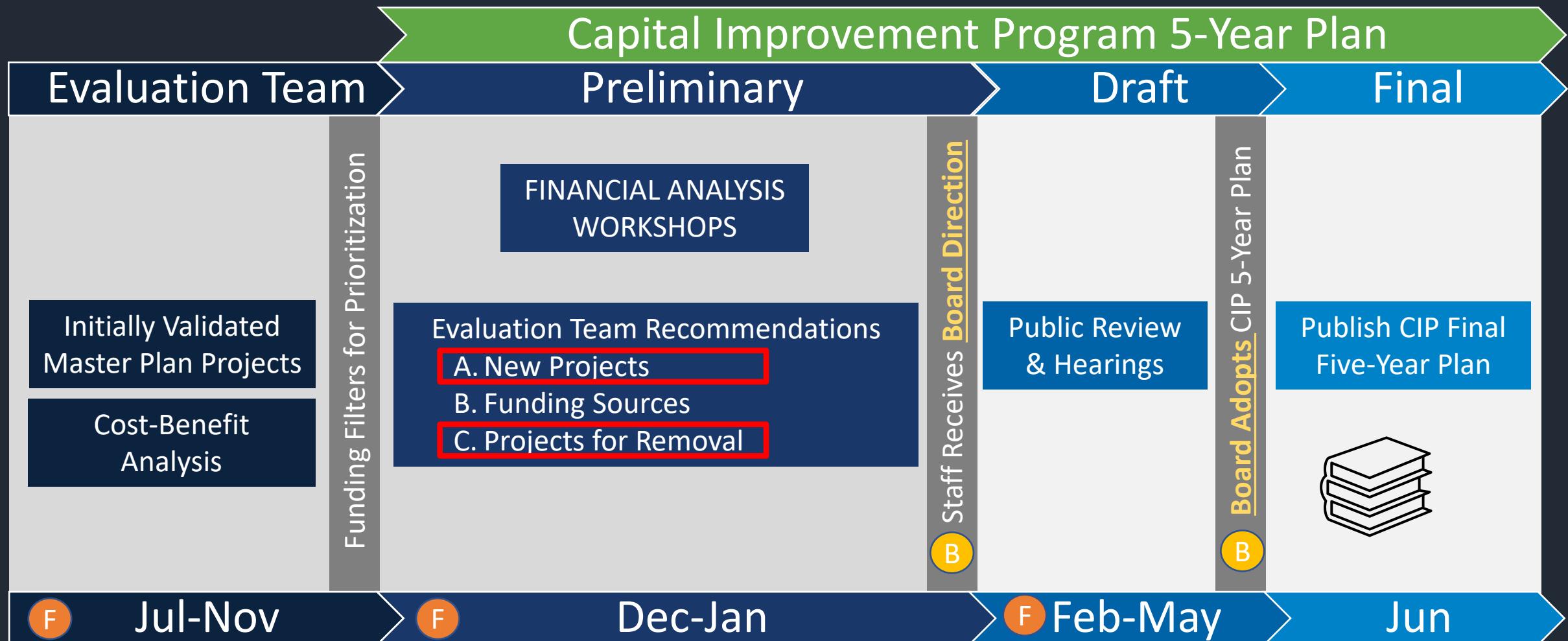
For each viable option in the table above, attach a detailed description to this report. A template is provided in Appendix A as an example of the type of information that should be included in the description. The template is not required. Any reasonable description can be attached.

* Staff evaluates the lifecycle costs of different capital, non-capital, or non-asset-based solutions

Adding/removing projects from the CIP

How are capital projects added or removed from the CIP?

Annual CIP 5-Year Plan Timeline



F CIP Committee and/or Board Feedback

B Key Decision Points for Board

Funding Categories Tool Implemented

How to use the tools designed to aid the Board
in its decision-making

Review Projects by Fund

Category 1 Projects

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

Category 2 Projects

- Existing infrastructure with BRE 76-87

Category 3 Projects

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

CIP FY 2025-29 Five-Year Plan Projects

(Organized by Fund and Funding Categories)

Fund 11: General

Total Project Cost \$ based upon FY 2025-29 Five-Year Plan

Category 1 Projects

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

Category 2 Projects

- Existing infrastructure with BRE 76-87

Category 3 Projects

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

Buildings & Grounds



Small Capital Improvement Project



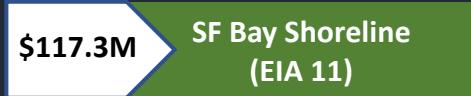
Fund 12: Watershed Stream Stewardship

Total Project Cost \$ based upon FY 2025-29 Five-Year Plan

Category 1 Projects

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

Flood Protection



Category 2 Projects

- Existing infrastructure with BRE 76-87

Flood Protection



Category 3 Projects

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

Flood Protection



Placeholder Projects



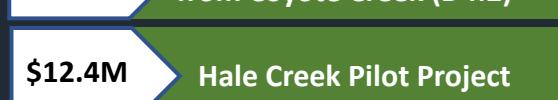
Fund 26: Safe, Clean Water

Total Project Cost \$ based upon FY 2025-29 Five-Year Plan

Category 1 Projects

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

Flood Protection



Category 2 Projects

- Existing infrastructure with BRE 76-87

Flood Protection



Category 3 Projects

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

Flood Protection



*In addition to the \$13.8M shown here in Fund 26, Fund 61 also includes planned funding for Ogier Ponds in the amount of \$77.9M, which includes placeholder project dollars of \$27.9M and \$50M earmarked in ADSRP for project mitigation.

Fund 61: Water Utility Enterprise

Total Project Cost \$ based upon FY 2025-29 Five-Year Plan

Category 1 Projects

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



Fund 61: Water Utility Enterprise cont...

Total Project Cost \$ based upon FY 2025-29 Five-Year Plan

Category 2 Projects

- Existing infrastructure with **BRE 76-87**

Treatment Facilities



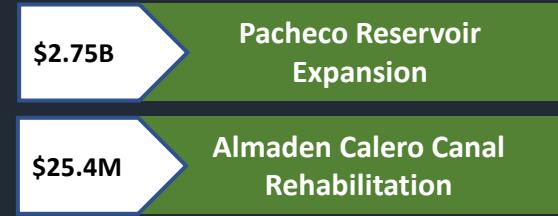
Transmission Facilities



Category 3 Projects

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

Storage Facilities



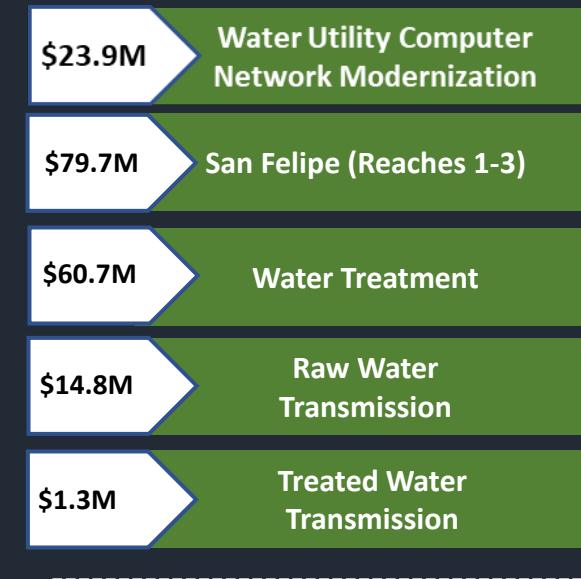
Treatment Facilities



Recycled Water Facilities



Small Capital Improvement Projects



Placeholder Projects



Fund 73: Information Technology

Total Project Cost \$ based upon FY 2025-29 Five-Year Plan

Category 1 Projects

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

Information Technology



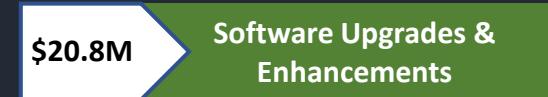
Category 2 Projects

- Existing infrastructure with BRE 76-87

Category 3 Projects

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

Small Capital Improvement Project



Next Steps

VALLEY WATER INTEGRATED FINANCIAL PLANNING SCHEDULE

FISCAL YEAR 2025-26

Ref	Brd Cmte Date	Brd Mtg Date	Milestone
1	9/16/24 CIP	10/8/24	Annual CIP Development Process/Integrated Financial Planning Schedule; and Review of CIP FY2025-29 Five-Year Plan Projects by Category
2			Annual CIP Development Process/Integrated Financial Planning Schedule; and Review of CIP FY2025-29 Five-Year Plan Projects by Category
3	10/21/24 CIP		Review of Initially Validated & Unfunded Projects
4		10/22/24	Receive Board feedback regarding CIP FY2025-29 Five-Year Plan Projects by Category for inclusion in CIP Preliminary Five-Year Plan; and Review of Initially Validated & Unfunded Projects
5		11/12/24	Water Rate Planning Overview
6			Budget Process Planning Overview & Biennial Budget Process Review
7	12/16/24 CIP		Review Significant Project Plan Updates and CIP Preliminary Five-Year Plan (w/funding discussion focused on financial modeling & major changes)
			5-Year WS and WU O&M Plans to Board (for information only) / WU Master Plan Updates
8		1/14/25	Watersheds prelim 10 year financial analysis (show prelim WSS and SCW fund graphs and discuss funding issues)
			Prelim Water Rate Analysis to Board (Prelim water rate scenarios)
			CIP Preliminary Five-Year Plan to Board (Board to provide direction regarding project list for development of Draft Five-Year Plan)
9		1/28/25	1st Pass Budget Update
10			SCW Public Hearing (if required)
11		2/25/25	CIP Draft Five-Year Plan to Board (authorize distribution for public review)
12		3/11/25	2nd Pass Budget Update
13		4/8/25	GW Charge Public Hearing Begins
14			CIP Public Hearing Begins (optional date 4/22)
15		4/10/25	GW Charge Public Hearing Continues in South County (Morgan Hill)
16		4/22/25	GW Charge Public Hearing closes
17			CIP Public Hearing Continues
18			Budget Work-study session
19		4/23/25	CIP Public Hearing Continues (optional)
20		5/13/25	Board adoption of Water Rates, CIP Five-Year Plan, Budget, Investment and Debt Resolutions
			FY26 rate notifications: website and mailers (retailers and all customers)
21		6/30/25	CIP Final Five-Year Plan completed
			Budget Reports completed

Updates Available Online

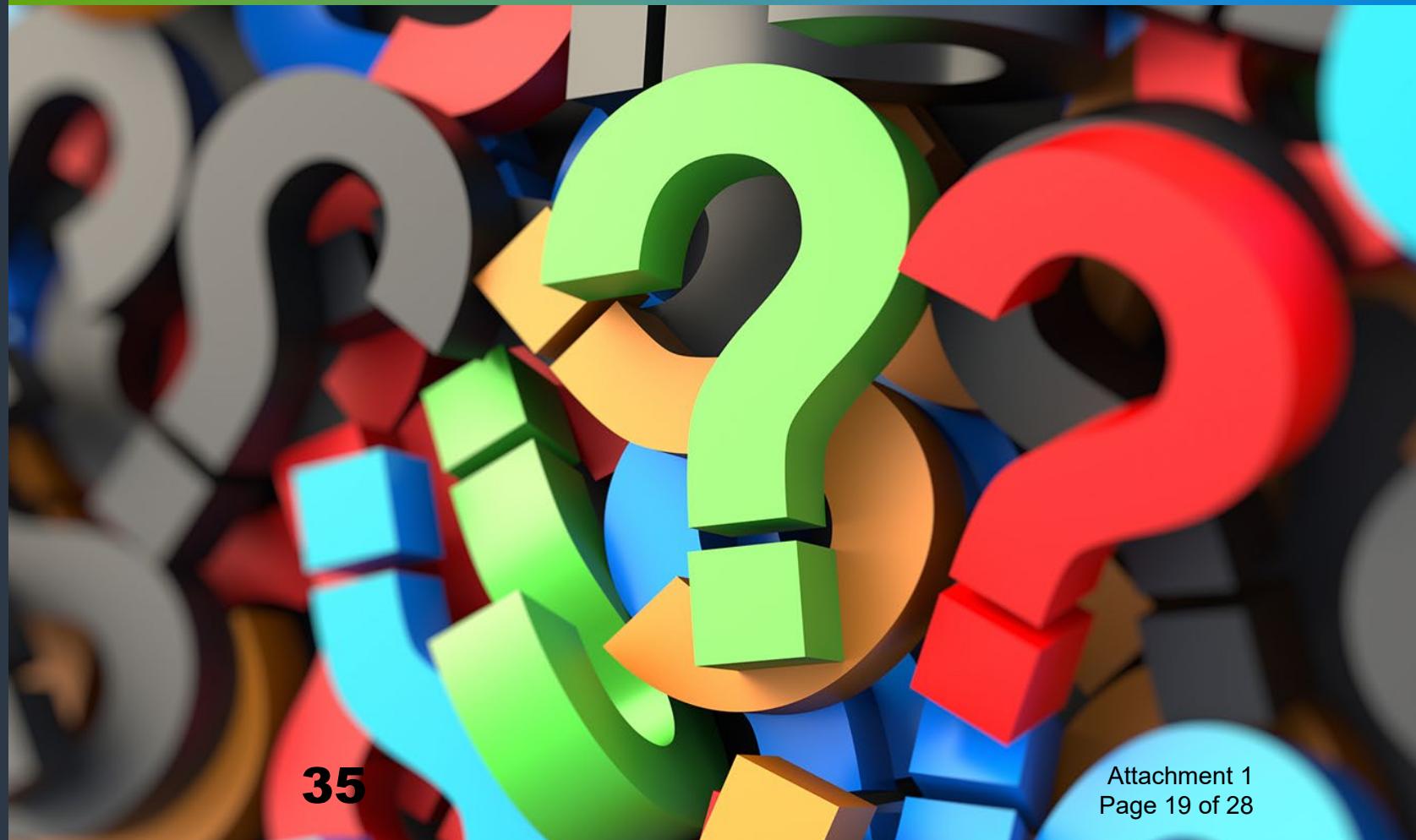
SCAN THE QR CODE:



Or visit this website:
delivr.com/24wqn

END OF PRESENTATION

Questions & Answers



EXTRA SLIDES

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

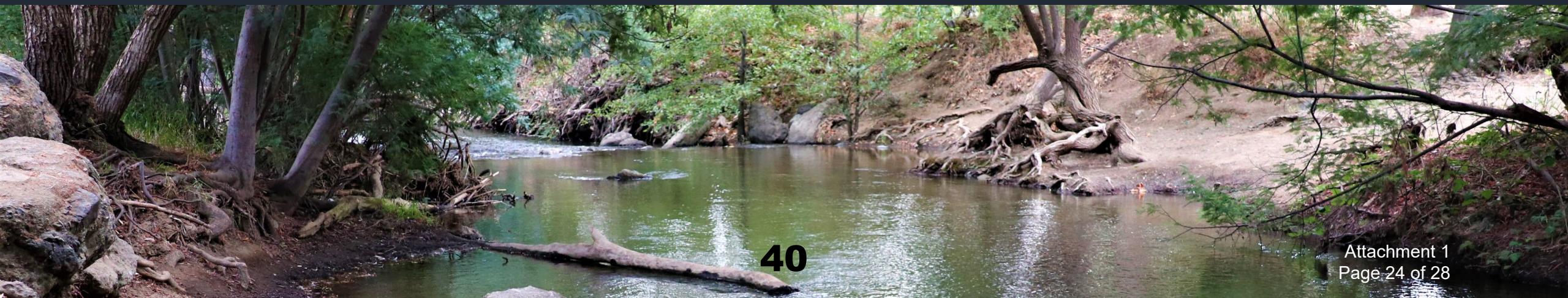
Asset Management Program- Business Risk Exposure (BRE)

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

Capital Improvement Program Tool (Funding Filters and Categories)

CIP Funding Filters for Prioritization (w/Point Application)

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



CIP Project Funding Categories

Scoring for Repairing and Replacing Existing Infrastructure



CIP Project Funding Categories

Category 1: ≥ 19 points

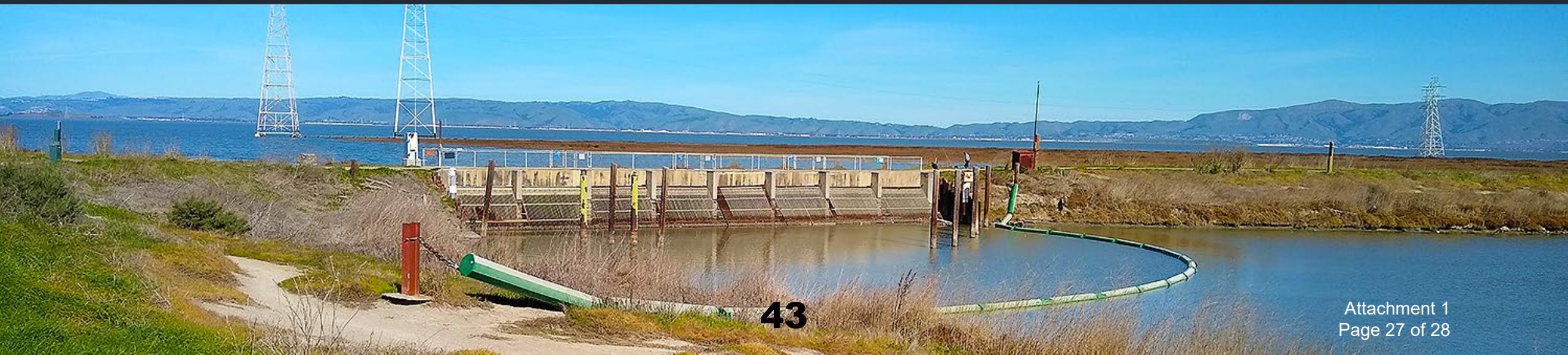
1. Repair/replace existing infrastructure
2. Risk of failure score is ≥ 88
3. Required for public health and safety
4. **Projects under construction or mandated (required by law, regulation, federal order, lawsuit, etc...) are automatically included in Category 1.**



CIP Project Funding Categories

Category 2: 13-18.5 points

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



CIP Project Funding Categories

Category 3: ≤ 12.5 points

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



Fund 11: Category 3 Projects

(TPC \$ and Schedule) based upon Final 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

2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | 2038 | 2039

Buildings & Grounds

\$16.9M  Security Upgrades & Enhancements

\$15.1M  Headquarters Operations Building

Small Capital Improvement Project

\$64M  Facility Mgmt, Small Capital Improvements

Fund 12: Category 1 Projects

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

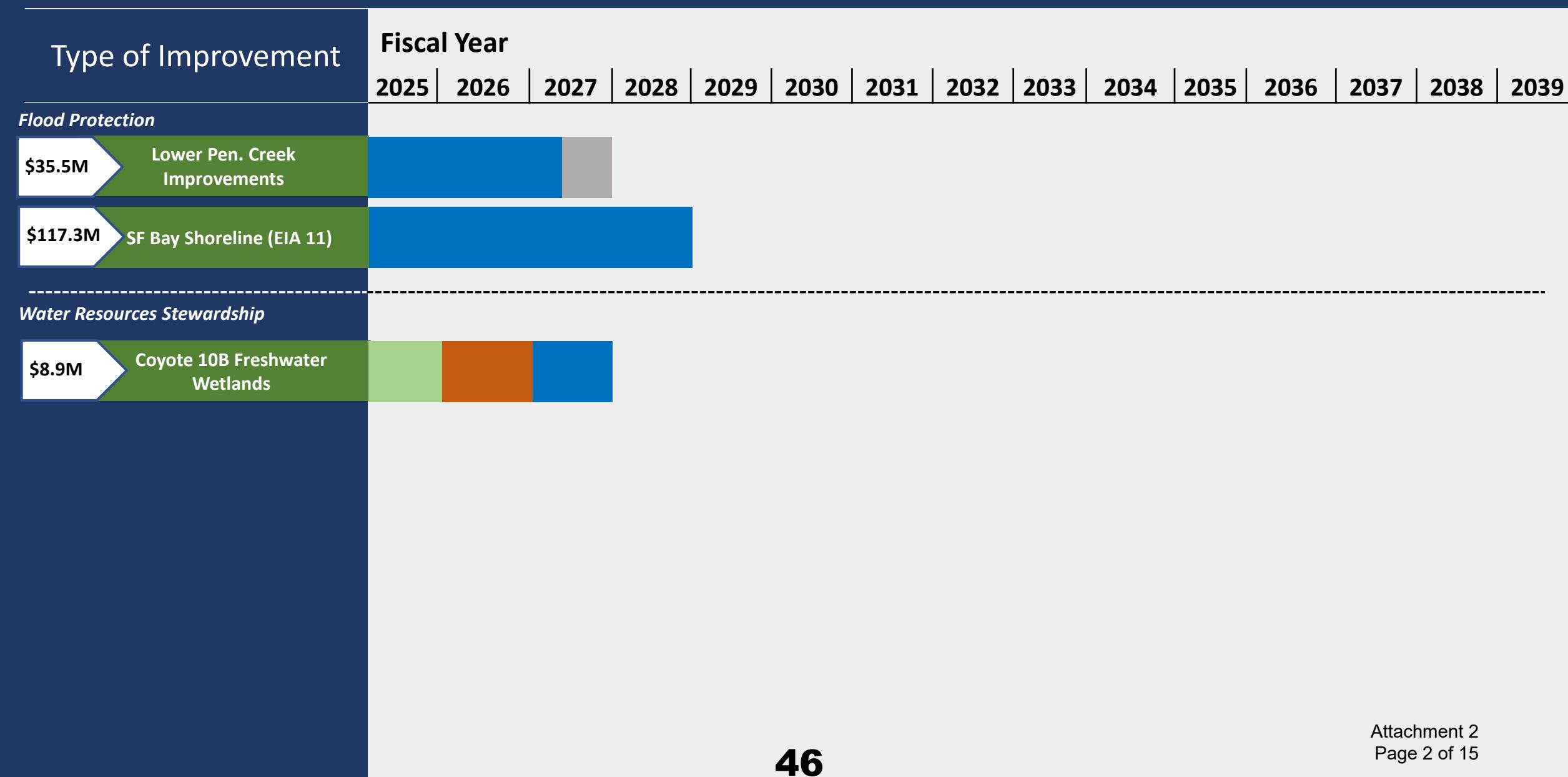
Planning

Design

Construction

Closeout

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



Fund 12: Category 2 Projects

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

Planning

Design

Construction

Closeout

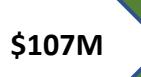
- Existing infrastructure with BRE 76-87

Type of Improvement

Fiscal Year

2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | 2038 | 2039

Flood Protection

\$107M  Guadalupe River Capacity Restoration



Water Resources Stewardship

\$15.5M  Calabazas/San Tomas Ck Marsh Connection



Fund 12: Category 3 Projects

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

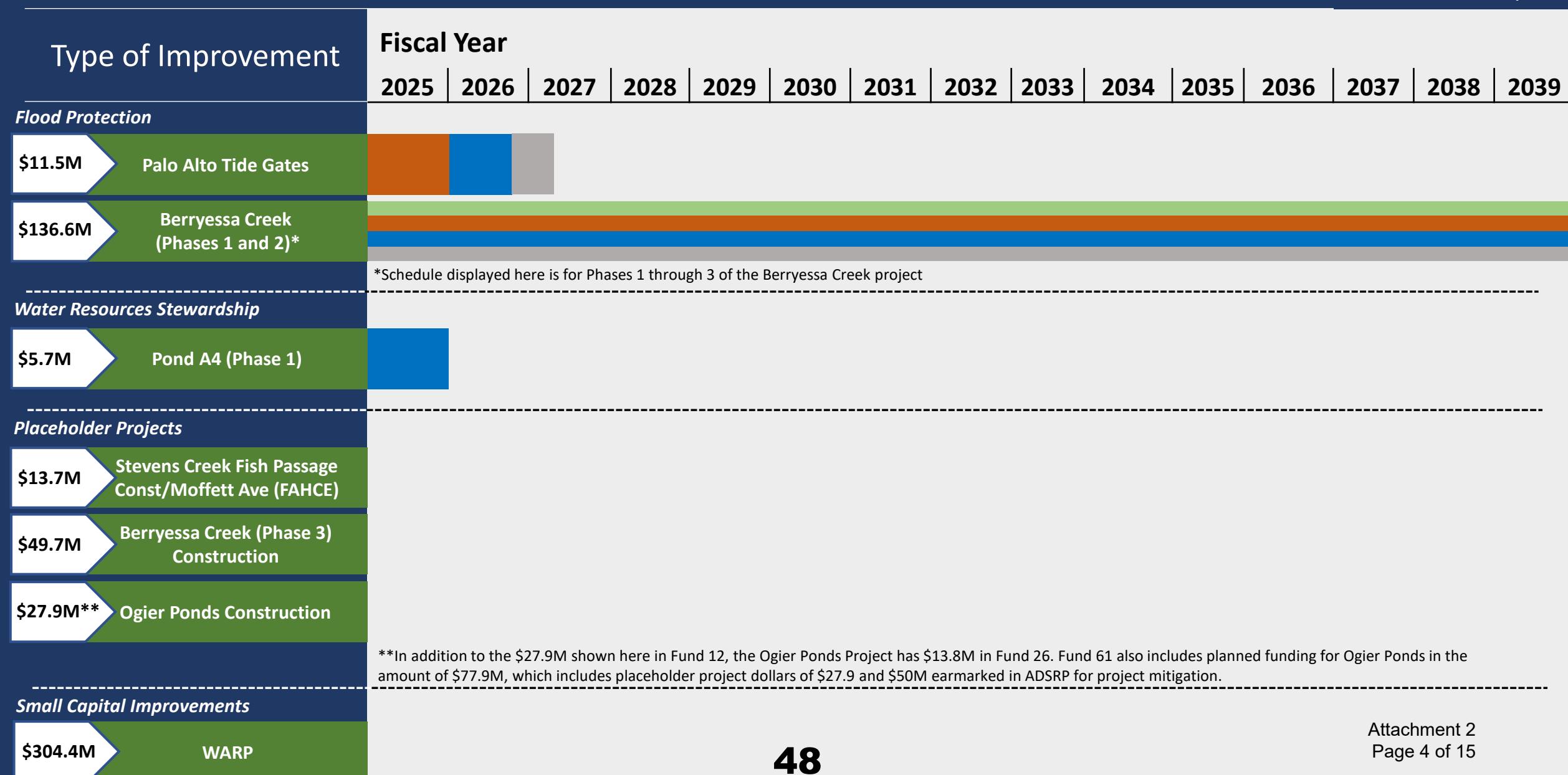
Planning

Design

Construction

Closeout

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



Fund 26: Category 1 Projects

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

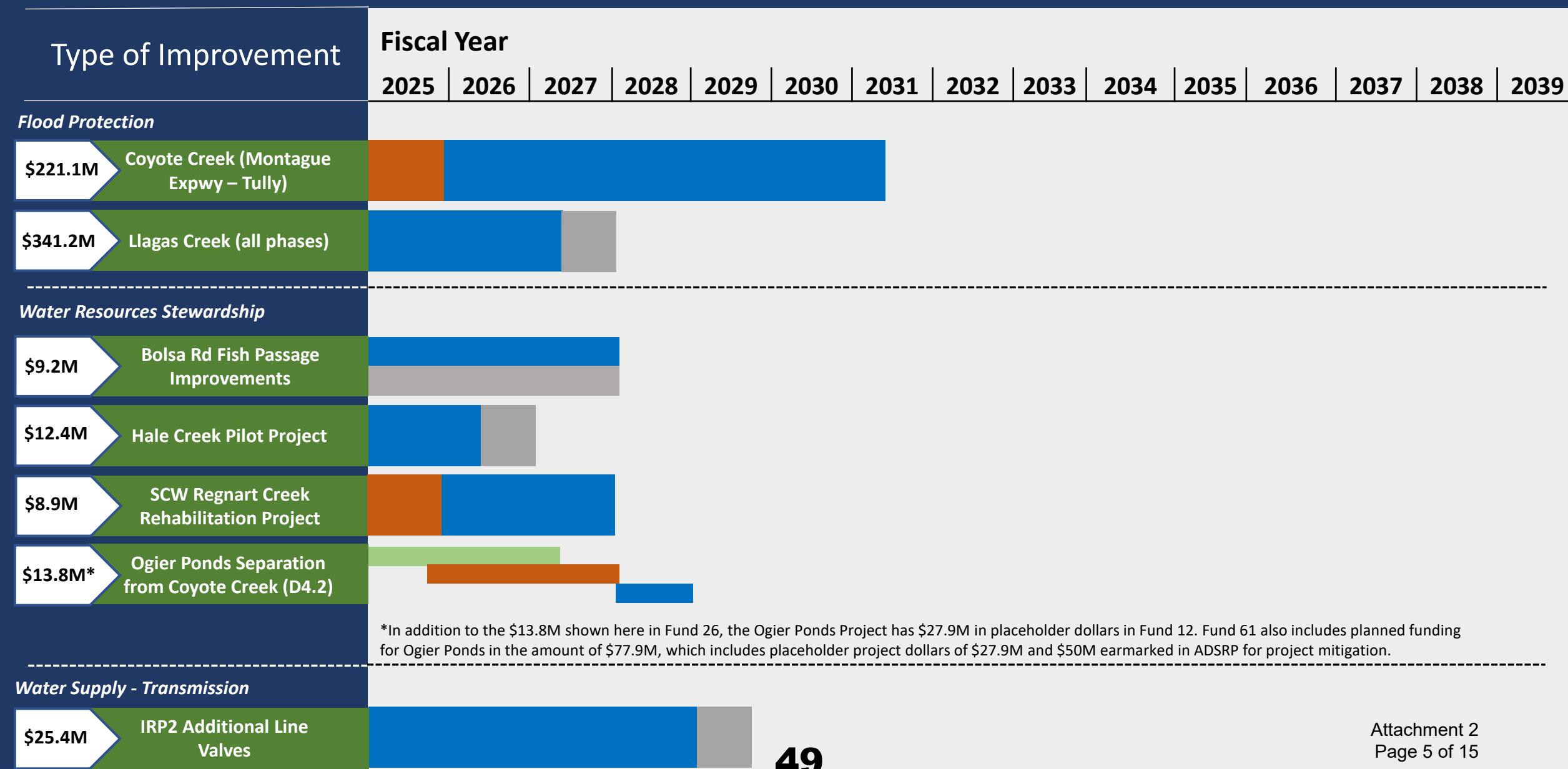
Planning

Design

Construction

Closeout

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



Fund 26: Category 2 Projects

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

Planning

Design

Construction

Closeout

- Existing infrastructure with BRE 76-87

Type of Improvement

Fiscal Year

2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | 2038 | 2039

Flood Protection

\$57.8M Sunnyvale East & West

\$124.9M Guadalupe River-Upper (Reaches 7-12)

\$28.7M SF Shoreline (EIAs 1-4)

\$15.7M SF Shoreline (EIAs 5-9 or 10)

Fund 26: Category 3 Projects

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

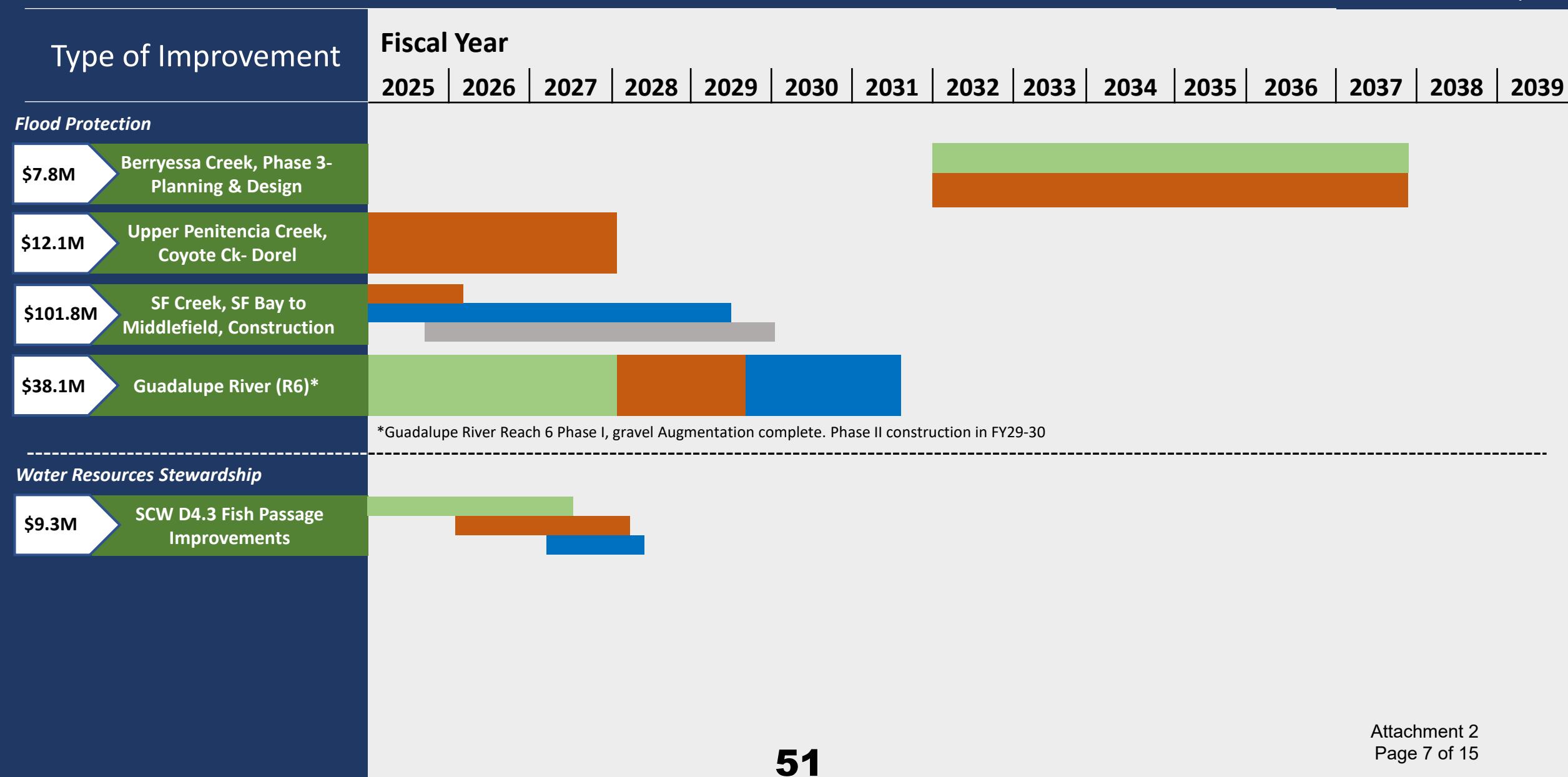
Planning

Design

Construction

Closeout

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



Fund 61: Category 1 Projects

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

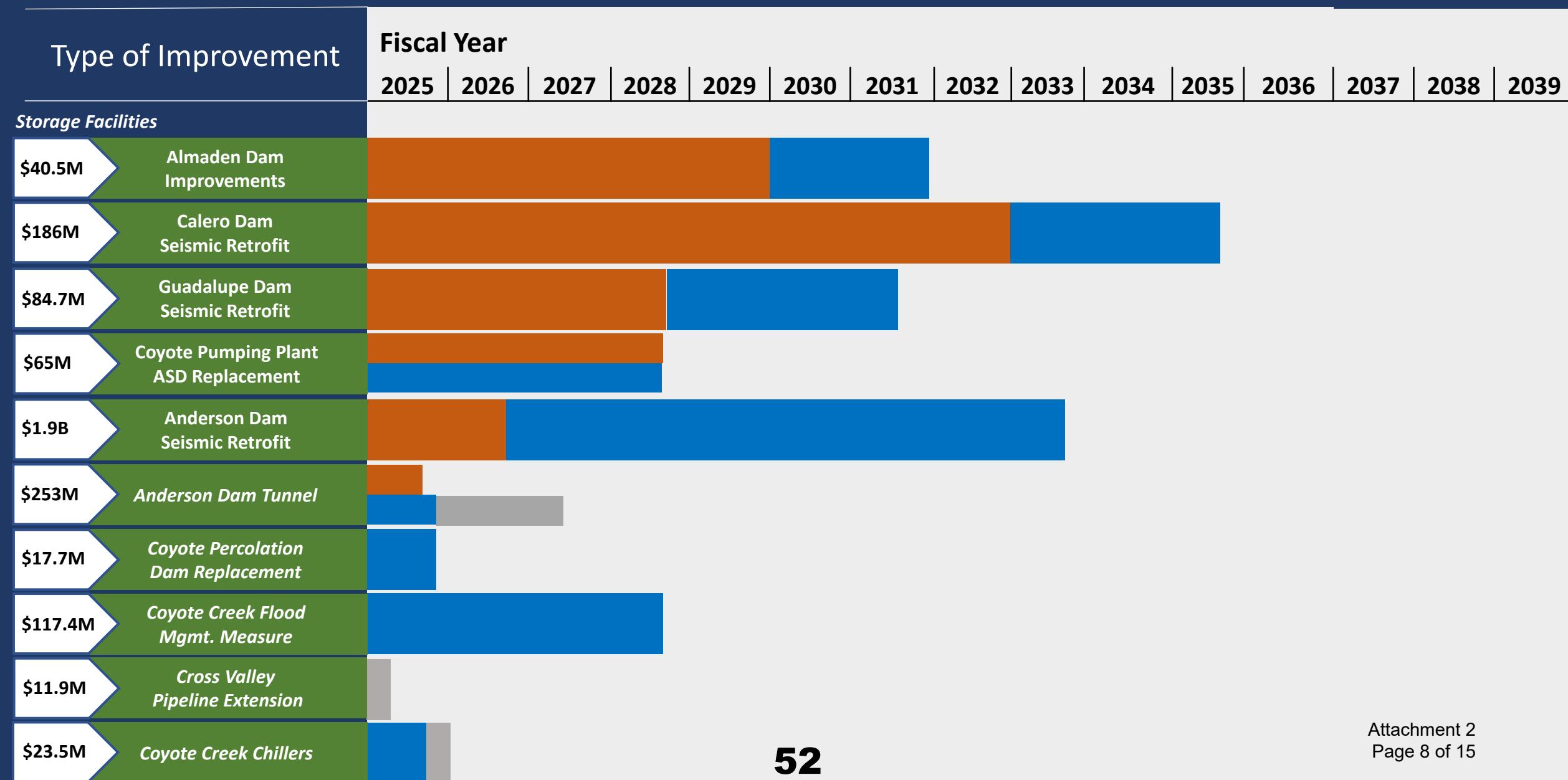
Planning

Design

Construction

Closeout

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



Fund 61: Category 1 Projects

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

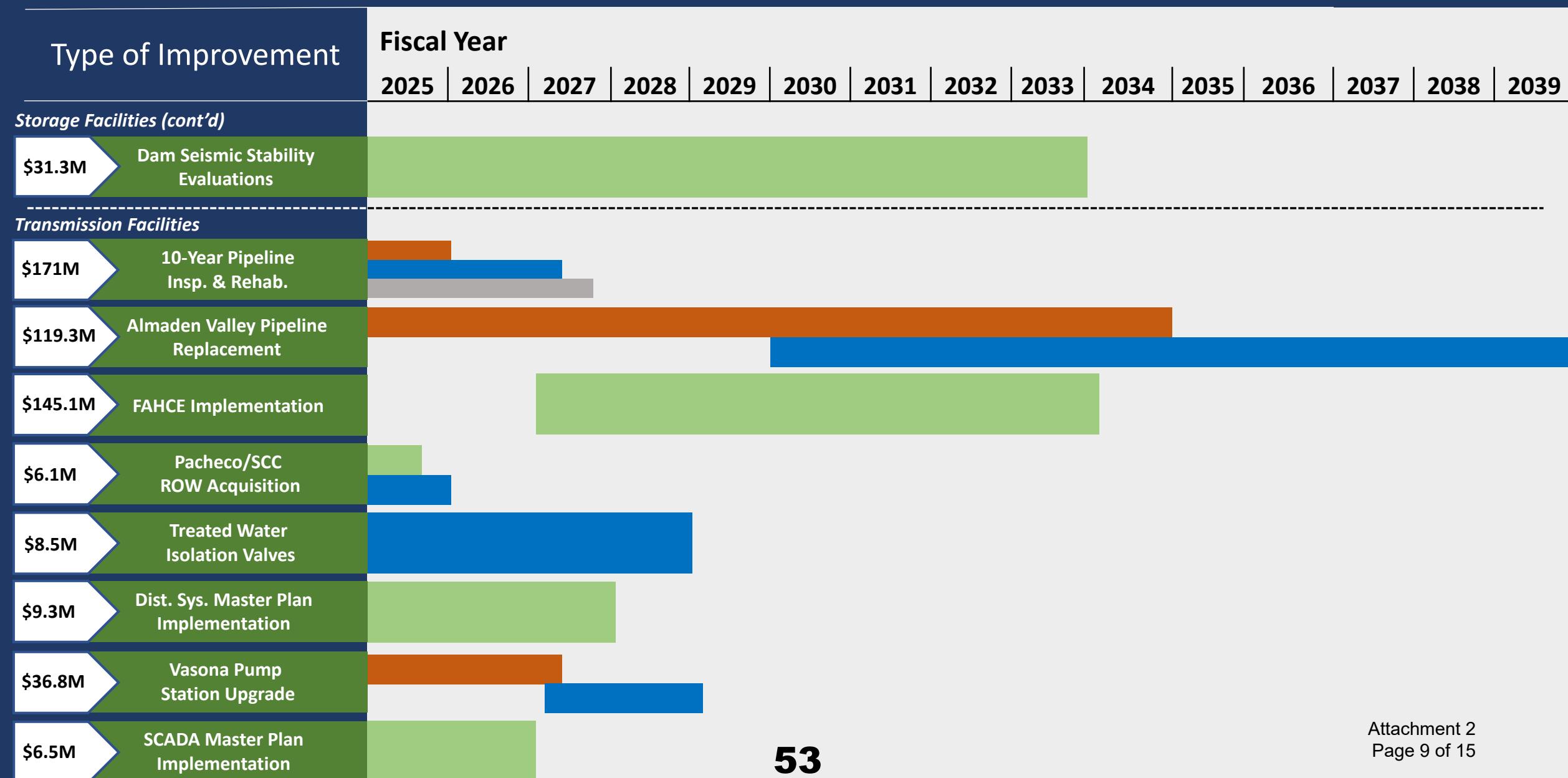
Planning

Design

Construction

Closeout

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



Fund 61: Category 1 Projects

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

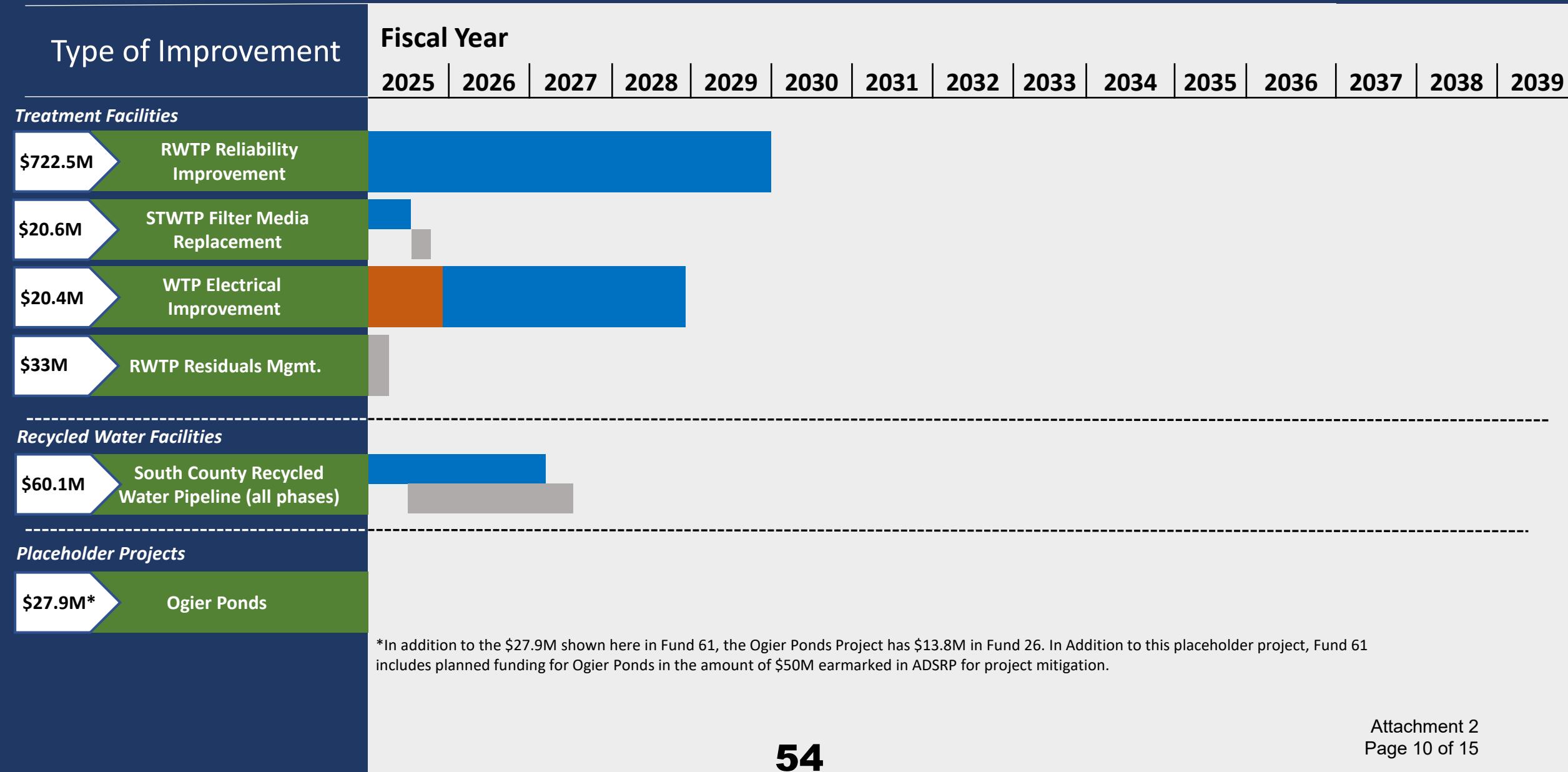
Planning

Design

Construction

Closeout

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



Fund 61: Category 2 Projects

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

Planning

Design

Construction

Closeout

- Existing infrastructure with BRE 76-87

Type of Improvement

Fiscal Year

2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | 2038 | 2039

Treatment Facilities

\$41.5M PWTP Residuals Mgmt.

\$6.9M RWTP Ammonia Storage & Metering

Transmission Facilities

\$10.4M SMPIP Improvements - Phase 1

Fund 61: Category 3 Projects

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

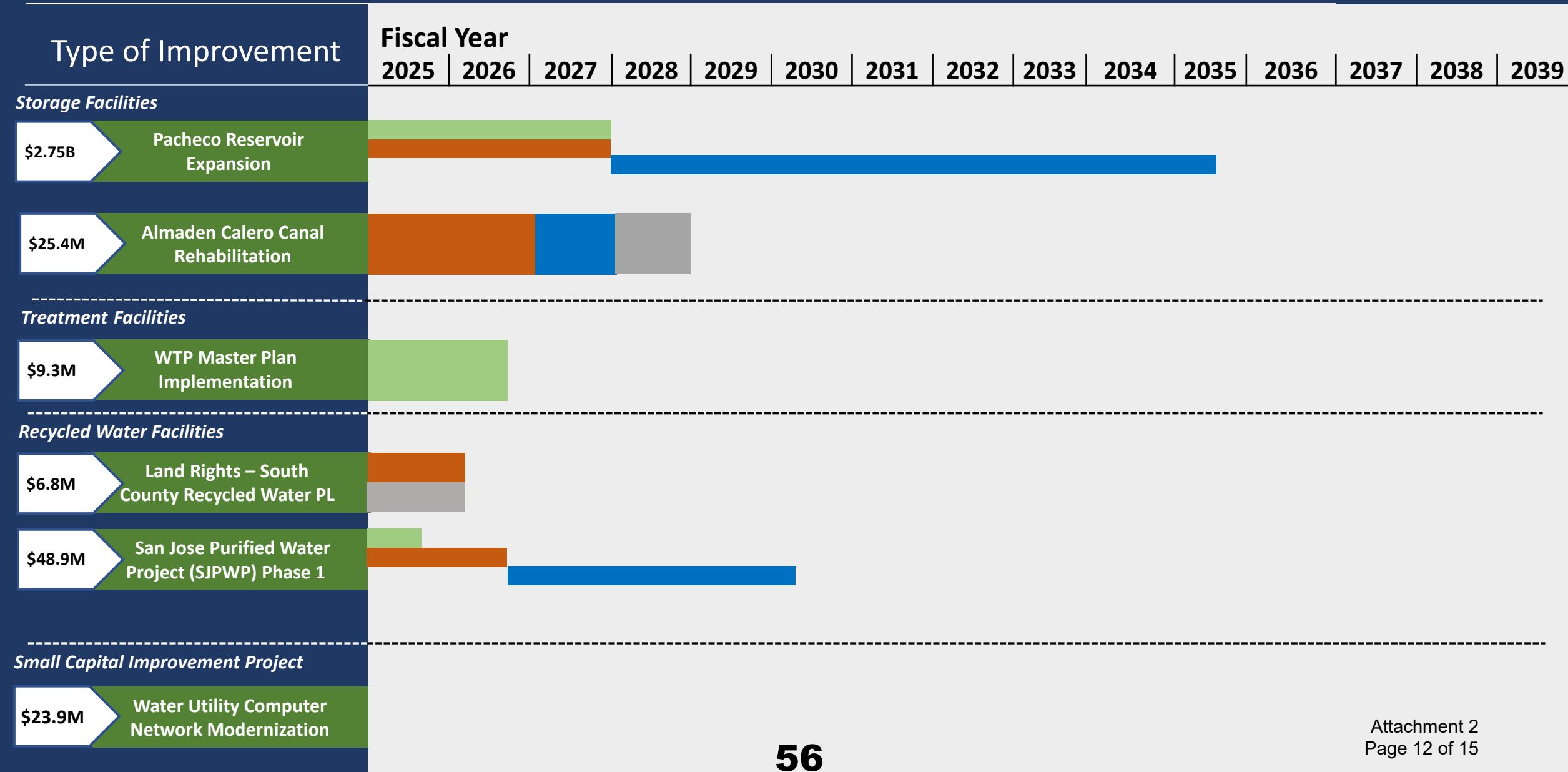
Planning

Design

Construction

Closeout

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



Fund 61: Category 3 Projects

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

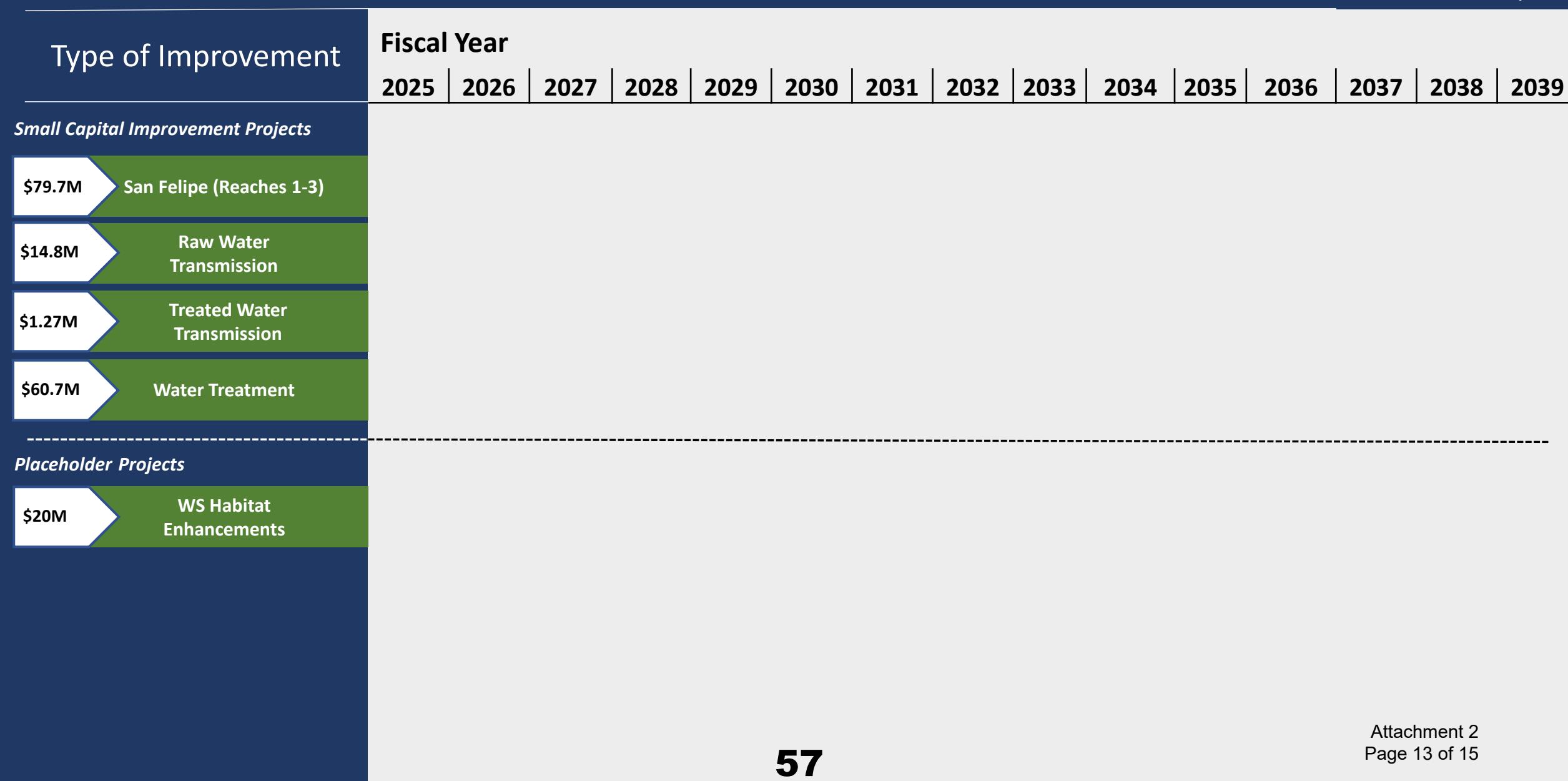
Planning

Design

Construction

Closeout

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



Fund 73: Category 1 Projects

(TPC \$ and Schedule) based upon Final 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

2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | 2038 | 2039

Information Technology

\$2.6M

IT Disaster Recovery

\$1.3M

Data Consolidation

Fund 73: Category 3 Projects

(TPC \$ and Schedule) based upon Final 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

2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | 2038 | 2039

Small Capital Improvement Project

\$20.8M

Software Upgrades & Enhancements

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Santa Clara Valley Water District

File No.: 24-0795

Agenda Date: 9/16/2024

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:

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

RECOMMENDATION:

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

SUMMARY:

The Anderson Dam Seismic Retrofit Project (ADSRP) will correct dam seismic deficiencies and otherwise meet all current Federal Energy Regulatory Commission (FERC) and California Department of Water Resources, Division of Safety of Dams (DSOD) dam safety design standards. The full reservoir capacity will be restored upon completion of ADSRP.

In general, pursuant to a statutory requirement (Public Contract Code §21161), Santa Clara Valley Water District (Valley Water) public works construction contracts must be awarded pursuant to a formal competitive bidding process, to the responsible bidder submitting the lowest responsive bid. However, effective January 1, 2022, a specific statute (Public Contract Code §21163) was enacted authorizing an alternative method based on "Best Value" (discussed below) just for the Anderson Dam Project and projects relating to the ADSRP, as defined in the code.

Implementing a Best Value Selection method has been identified by the FERC-mandated Independent Board of Consultants (BOC) as a highly desirable risk reduction measure to ensure that a highly qualified contractor is selected for the ADSRP. The objective is to use the Best Value Selection process to obtain the most prepared and equipped contractor that can successfully manage the risks and schedule constraints to complete the ADSRP.

Best Value Construction Contractor Selection Method

Public Contract Code §21163(b) provides: “(b) Upon the approval of the board, the district may award contracts on a best value basis for any work for the Anderson Dam Project.”

The purpose of this CIP committee agenda item is to explain the “Best Value” procurement process and gain support for staff’s recommendation that the full board approve implementing this method to select the construction contractor for the ADSRP. The selected bidder would be chosen on the basis of objective criteria for evaluating the qualifications of bidders with the resulting selection representing the best combination of price and qualifications.

Instead of selecting the responsible contractor submitting the lowest bid, a “Best Value” approach would be implemented in a competitively bid process. Staff will establish a “value” for each bid submitted, determined by evaluation of objective criteria such as price, proposed staff and equipment, recently performed similar projects and references to verify past performance, project execution plans, plans for regulatory compliance, and quality of service, and risk management. A Best Value determination involves selection of a proposal based not only on cost but also on other specified factors collectively meeting the interests and objectives of Valley Water.

Information explaining how the Best Value selection method works and the criteria used to evaluate bidders is provided in the power point slides attached (Attachment 1).

As a point of historical reference, an agenda item was previously considered by this committee on July 31, 2020 to discuss using this Best Value construction contractor selection method for the Anderson Dam Tunnel Project. There was no statutory authority yet, but both the CIP committee, and subsequently the full Board of Directors, supported staff’s recommendation to implement this alternative method and it was successfully accomplished.

Procurement Plan to Select the ADSRP Construction Contractor

Staff is developing a procurement plan to select the ADSRP construction contractor using the Best Value method, as authorized by statute.

There will be two separate, sequential steps: first, potential bidders will be pre-qualified and determined eligible to submit a bid based on scores attained in response to an application. These preliminary questions may relate to objective information such as contractor’s license status, business entity type and location, bonding capacity, ability to meet all insurance requirements, previous projects with relevant features/challenges, etc.

The second step will implement the Best Value criteria and include scoring the contractors’ specific technical proposals (price and non-price factors) to successfully meet the challenges presented to

build this Project. A specific formula will be applied to determine which firm presents the best combination of price and technical approach. The weight of the bid price in the total evaluation score will be determined with the intention to prioritize the selection of a highly qualified contractor capable of managing the size and complexity of the ADSRP construction.

After this item is considered by the CIP Committee, staff plans to proceed with the recommendation and request that the full board approve the use of the Best Value method to select the construction contractor proposed for award of the construction contract to build the ADSRP.

ENVIRONMENTAL JUSTICE AND EQUITY IMPACT:

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

ATTACHMENTS:

Attachment 1: PowerPoint

UNCLASSIFIED MANAGER:

Ryan McCarter, 408-630-2983

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Anderson Dam Seismic Retrofit Project Procurement Plan

Presented by: Ryan McCarter

CIP Committee
September 16, 2024

ADSRP Procurement

2

1

ADSRP: Contractor selection is critical to the success of the project due to complexity and risk during construction.

2

Procurement Plan: Staff is developing a Procurement Plan to select the ADSRP construction contractor.

3

Tentative Schedule:

Industry Day - October 18, 2024

Publication of Prequalification Application - October 31, 2024

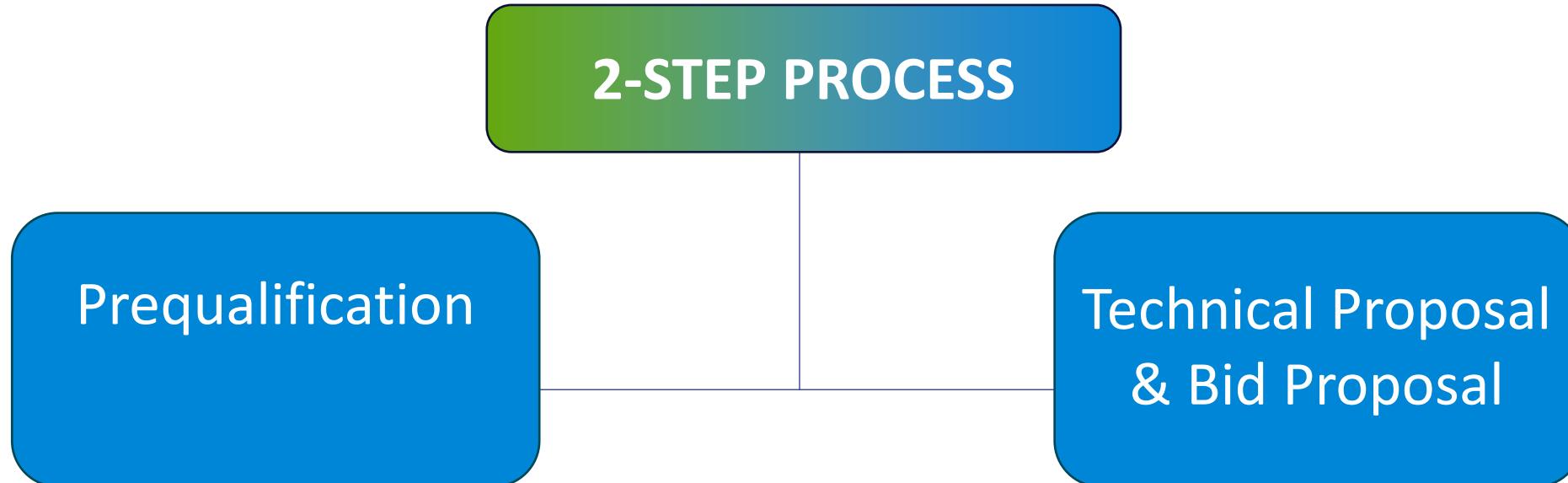
Advertisement to Bid - June 10, 2025



Best Value Selection Process

3

"Best value" means a procurement process whereby the selected bidder may be selected on the basis of objective criteria for evaluating the qualifications of bidders with the resulting selection representing the best combination of price and qualifications (PCC §21163(a)(2)).



Best Value Selection

4

1

Proposal Scoring

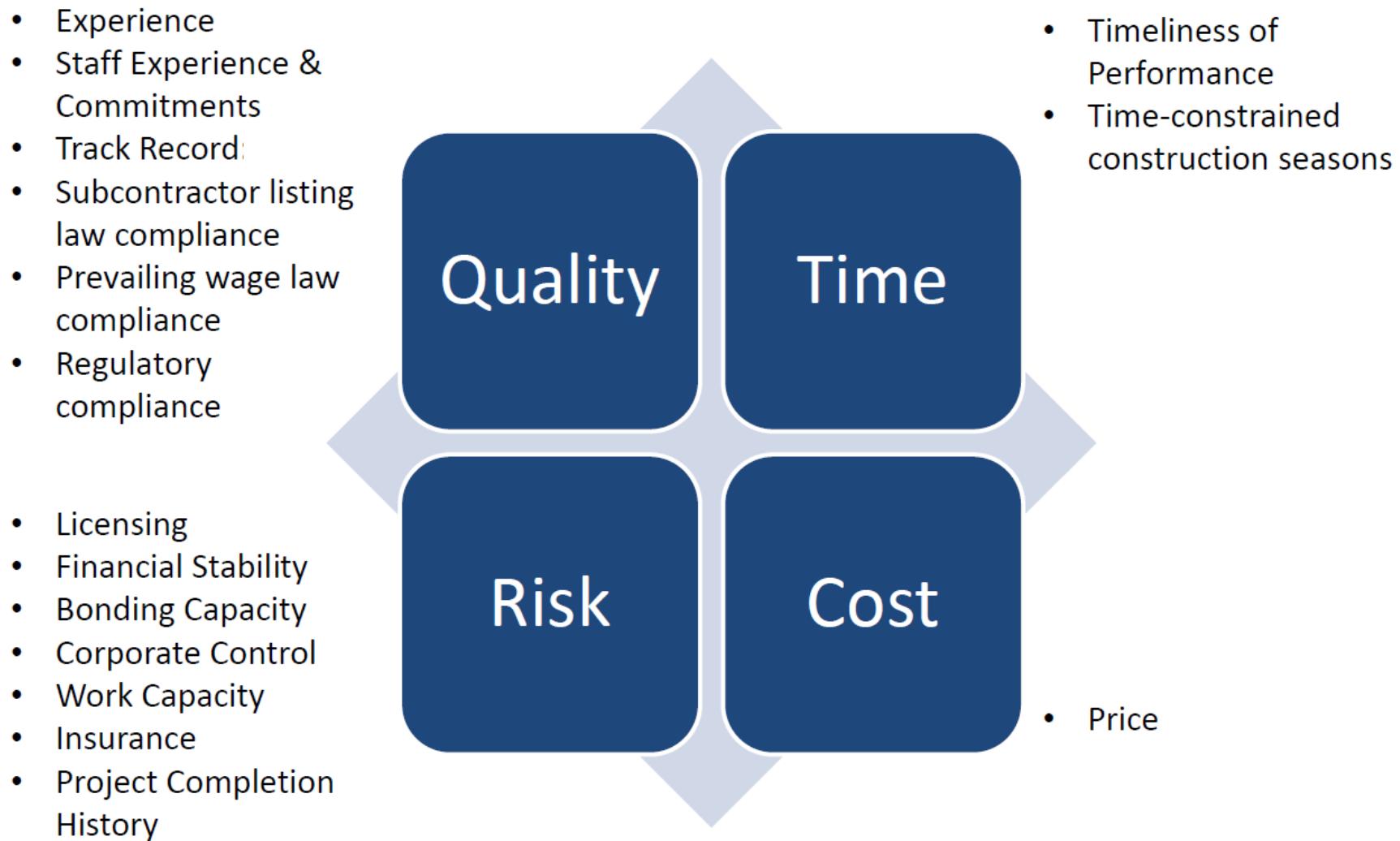
- Technical Proposals will be evaluated by qualified evaluators.
- The weight of the bid price in the total evaluation score will be determined with the intention to prioritize the selection of a highly qualified contractor capable of managing the size and complexity of the ADSRP construction.

2

Board Action

Upon the approval of the Board, Valley Water may award contracts on a best value basis for any work for the Anderson Dam project. (PCC §21163(b)).

Best Value Criteria



Questions?





Santa Clara Valley Water District

File No.: 24-0657

Agenda Date: 9/16/2024

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:

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

RECOMMENDATION:

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

SUMMARY:

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

Attachment 1 Capital Project Monitoring Report is a list of projects in the construction phase. A verbal report will be provided at the meeting with more detailed information about recent developments on the projects listed in Attachment 1.

ENVIRONMENTAL JUSTICE IMPACT:

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

ATTACHMENTS:

Attachment 1: Capital Project Monitoring Report - Construction Phase

UNCLASSIFIED MANAGER:

Emmanuel Aryee, 408-630-3074
Ryan McCarter, 408-630-2983
Bhavani Yerrapotu, 408-630-2735
Cecil Lawson, 408-630-2424

Capital Project Monitoring Report – September 2024

Construction Phase						CM Services		
Row	Project No.	Project Name	Notes, Upcoming Board Actions or potential issues	Deputy's Initials	In house	External	Combination	
Water Supply								
1	95084002	10-Year Pipeline Inspection and Rehabilitation Project (Santa Clara Conduit - Phase 1)	Construction work has been completed and the pipeline has been returned to service. The Notice of Completion and Acceptance of Work was approved at the June 25, 2024, Board meeting. The contractor's retention was released in August.	EA	X			
2	95084002	10-Year Pipeline Inspection and Rehabilitation Project (Santa Clara Conduit - Phase 2)	The contractor is working on non-shutdown work. Due to changes in the specification requirements of the proposed electrical generator, project completion is currently anticipated for spring 2025.	EA	X			
3	95084002	10-Year Pipeline Inspection and Rehabilitation Project (Snell)	The contractor is working on non-shutdown work. Construction completion is anticipated for January 2025.	EA	X			
4	93294058	Rinconada WTP Residuals Remediation	Equipment testing, startup and the 30-day Commissioning testing have been completed. The new solids handling facilities have been placed into service. A Preliminary Final Inspection was conducted on August 8 and the contractor is working on punch list items. Construction completion is anticipated for winter 2024.	EA	X			
5	93284013	Santa Teresa Water Treatment Plant Filter Media Replacement Project	As of July 2024, six out of twelve filters have been completed and brought online. Currently, the contractor is working on the next set of filters, with activities such as removal of old equipment, basin cleaning, and installation of nozzles and valves. Construction completion is anticipated for early 2025.	EA	X			
6	91094009	South County Recycled Water Pipeline	The final punch list is being negotiated with the City of Gilroy as part of the encroachment permit closeout process. The new PG&E electrical service is now anticipated to be energized in January 2025. Stage 1 (civil) construction completion is anticipated for early 2025.	EA	X			
7	93294057	Rinconada WTP Reliability Improvement (Phases 3-6)	The contractor has completed the demolition of the existing clarifiers, excavated subgrades, began the placement of rebars (steel) for the north and south sumps, and has poured concrete for the slabs for the 66" pipes. The contractor has begun the installation of the 66", 48" and 24" pipes for the Filter Building and has completed the relocation of telemetry cables. The contractor is placing aggregate base for the chlorine contact basin and working on fitting the flanges for the pipes.	EA			X	
			Staff also completed multiple Nextdoor posts providing project information to the neighbors, conducted monthly virtual chats with the neighbors, and held a successful public meeting and tour on June 26, 2024. A public meeting and tour of the plant for Director Beall and his guests, including union leaders and staff for various elected officials, was conducted on July 23. Re-planting of the trees at the plant began in August.					

8	91864006	Anderson Dam Tunnel (FOCP)	The contractor completed mobilizing the 8-foot diameter Micro-Tunnel Boring Machine (MTBM) and its appurtenances to the site at the end of July and launched the MTBM in early August. As of August 16, approximately 100 feet had been excavated with an estimated 220 feet remaining to reach the reservoir. For the in-water works, lake tap preparation was completed in July. Additionally, the construction of the Diversion Outlet Structure roof and Anderson Force Main realignment work were completed in July. Progress continues on the Coyote Creek North Channel and North Channel weir construction.	RM	X	
9	91864010	Cross Valley Pipeline Extension (FOCP)	The actuator has been delivered and installed by the vendor. Commissioning will be completed by Valley Water staff. A Board date for Notice of Completion and Acceptance of Work has yet to be determined.	RM	X	
10	91864008	Coyote Creek Chillers Plant (FOCP)	Construction is in progress, including excavation and pipeline lay-down; the hydrostatic pressure test was completed. The secondary unit substation was delivered at the end of August 2024 and the modular chiller plant is scheduled for delivery in October 2024. This has delayed the remaining project milestones. Construction completion is currently anticipated for winter 2024.	RM	X	
11	91864007	Coyote Creek Flood Management Measures (FOCP)	The Board of Directors awarded the construction contract on May 16, 2023. Steel sheet pile floodwalls have been constructed as of the end of June 2024. Concrete architectural encasement work for the steel sheet pile floodwalls will continue, along with site restoration work. Construction is scheduled for completion by the end of October 2024 and will be followed by a three-year plant establishment and maintenance period.	BY	X	
12	91864009	Coyote Percolation Dam Replacement (FOCP)	The in-creek improvements, including the new rubber dam installation, fish ladder weir gates and rock slope protection, were completed in early December 2023. Work associated with the control building is underway. PG&E's work to provide new electric service is expected to be delayed due to their late request for an easement from Santa Clara County. The Contractor will perform all other construction work not impacted by PG&E electric service and the project team is coordinating for a temporary backup power source.	BY	X	
<u>Flood Protection</u>						
13	40174005	Berryessa Creek, Calera Creek to Calaveras Blvd, Phase 2	On June 27, 2023, the Board accepted the civil work as complete on the Lower Calera Creek Flood Protection Project (Stage #1). The three-year plant establishment and maintenance phase (Stage #2) has begun and is anticipated to be completed by February 2026. Staff is currently working through punch list items and final change order negotiations and anticipates completing them in September 2024.	BY	X	
14	00044026	San Francisco Bay Shoreline	Construction of levees in Reaches 1-3, located between the Alviso Marina and U.S. Fish and Wildlife Service Don Edwards San Francisco Bay National Wildlife Refuge Environmental Education Center, is ongoing. The USACE awarded the construction contract and work began on December 6, 2021, and is anticipated to be completed in summer 2025. Reach 1 levee is near completion to the new design height. De-grading of the Reaches 2-3 existing levee is anticipated to be completed this month.	BY	N/A	USACE Const.
15	26044004	Bolsa Road Fish Passage Improvements (SCW D6.2)*	Construction of in-channel work was completed in October 2023 and construction of out-of-channel work was completed in February 2024. The Notice of Completion and Acceptance of Work will be considered by the Board of Directors at the September 10, 2024 Board meeting. A three-year plant establishment and maintenance period is underway and will be completed in 2027.	BY	X	

16	62084001	Watershed Asset Rehabilitation Program (WARP)	All civil construction work (Milestones 1 and 2) for the Calabazas Creek Rehabilitation Project (Bollinger Road to Miller Avenue) was completed by November 15, 2023. Milestone 1 construction was completed in the summer of 2022. However, due to a delay caused by permit amendments, Milestone 2 was implemented by the contractor under accelerated means and methods. The six-year plant establishment period and three-year hydroseed establishment and maintenance period began on December 16, 2023. Staff is currently negotiating the final charge orders related to Milestone 2 and anticipates completing those negotiations by September 2024.	BY	X		
17	26174051s 26174051 26174052 26174055	Llagas Creek – Upper, Buena Vista Avenue to Llagas Road (SCW E6)*	Construction contract for Phase 2A was awarded in the summer of 2021 with a Notice of Completion to be considered by the Board of Directors in the next couple of months. Phase 2B was advertised in May 2024. The Board of Directors awarded the construction contract at the August 13, 2024 meeting.	BY	Phase 1	Phase 2A	
<u>Buildings & IT</u>							
18	73274009	Data Consolidation	The Human Resources Division (HR) implemented Hyland's OnBase enterprise information platform and scanned their paper archives. This effort digitized over 80 document types into a new paperless system. HR went live with the system in June 2023. The project team is currently working to determine the most efficient repository for Community Projects Review Unit documents moving forward.	CL	N/A	N/A	N/A
19	73274002	ERP System Implementation	The project team is now developing requirements for the replacement of the Infor ERP system. The initial focus is on replacing the Timekeeping/Payroll and Expense Management systems, and procurement subsystems	CL	N/A	N/A	N/A

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

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Santa Clara Valley Water District

File No.: 24-0660

Agenda Date: 9/16/2024

Item No.: 4.4.

COMMITTEE AGENDA MEMORANDUM Capital Improvement Program Committee

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

SUBJECT:

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

RECOMMENDATION:

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

SUMMARY:

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

Project Background

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

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

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

meeting on May 25, 2021.

Delegated Approval Authority

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

Construction Contract Change Orders Status

There is one new Contract Change Order (CCO #39) to present to the CIP Committee. The estimated value of CCO #39 is \$677,598.98. Two attachments, providing information on construction contract change orders (Attachment 1) and construction contract financials (Attachment 2), are included for reference.

Contract Change Order #39

- 1. Drilling Program Plan 09 Phase 2** - Valley Water issued Contract Document Clarification (CDC) 049.1 for the Drilling Program Plan 09 (DPP 09) to evaluate potential faulting and to determine geological characteristics near the right abutment of the dam. The drilling and exploration program includes an exploration trench, T10, that Flatiron West Inc. (FWI) will excavate and backfill at the direction of the Engineer of Record (AECOM). Trench T10 is approximately 80-feet long, 3-feet wide, and has a total depth of approximately 20 feet. Due to the location of this trench, approximately 8-12 dewatering wells at depths of about 20-25 feet will need to be implemented for this work. An allowance budget has been established and this portion of the change is valued at \$250,000.00.
- 2. Diversion Outlet Structure Guardrail Kick Plate** - To enhance safety at the Diversion Outlet Structure (DOS), a 1/4" x 4" kick plate was added at the DOS guardrails to help prevent objects from falling and to reduce potential hazards. This portion of the change is valued at \$8,147.00.
- 3. Time Related Overhead for Time Impact Analysis 004** - This Change Order compensates FWI for extended Time Related Overhead (TRO) due to a 25-calendar day compensable delay to the critical path of the construction schedule due to differing site conditions, as determined by Time Impact Analysis (TIA) No. 004. The delays to the construction schedule are due to encountering additional Ground Class V material (*less stable ground conditions requiring more steel/sets*) in the Diversion Tunnel that needed to be mined/excavated beyond what was originally anticipated, as well as the installation of additional steel sets in the Transition Zone for added ground support. The compensation includes all costs for field and home-office overhead, bonds, insurance, and time-related direct equipment costs. This portion of the

change is valued at \$419,451.98.

ENVIRONMENTAL JUSTICE AND EQUITY IMPACT:

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

ATTACHMENTS:

Attachment A: Government Code §84308

Attachment 1: Construction Contract Change Orders Status

Attachment 2: Construction Contract Financial Status

UNCLASSIFIED MANAGER:

Ryan McCarter, 408-630-2983

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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 Contract Change (CO) Order Status

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

CCO #	CIP Committee Date	Approval Date	Description	Amount	Contingency Amount	Approval Level	Status
26	11/13/2023	12/23/2023	Quantity Increase for Bid Item No. 5d – 24 Foot Diameter Tunnel Excavation Class 3, Quantity Increase for Bid Item No. 5g – Transition Zone Rock Bolts, Allowance Increase for Bid Item No. 11a – Other Wildlife and Fish Species Increase, V-Ditch Extension at 460, Winterization of North Channel Dike 2023	\$833,772.00	\$20,259,161.46	ACEO	Approved
27	12/11/2023	1/04/2024	Cost Increase for DOS Foundation Excavation – Revised Soil Nail Wall, Quantity Increase for Bid Item No. 5r – Pre-excavation Drilling Within Rock Tunnel.	\$1,341,261.43	\$18,917,900.03	ACEO	Approved
28	12/11/2023	1/19/2024	Quantity Increase for Bid Item 4c Lake-Tap Excavation (Dredging) Microtunnel Boring Machine Landing Pad	\$570,375.00	\$18,347,525.03	ACEO	Approved
29	1/22/2024	12/26/2023	Bid Item Increase 5o - Probing within Rock Tunnel	\$370,800.00	\$17,976,725.03	DOO	Approved
30	1/22/2024	2/14/2024	Revised Motor Control Center (MCCA) Schedule, Additional Telemetry Pull Box, Material Escalation due to Delay in Issuing Notice to Proceed (NTP) 2A/2B, Credit for Hoot Owl Way Landslide Supplemental Work.	-\$1,822,581.61	\$19,799,306.64	ACEO	Approved
31	2/26/2024	3/20/2024	Cost increase for North Channel Dewatering Wells, 2024 Reservoir Log Boom Relocation Allowance, Alternative Initial Lining - Sawtooth Design Method, Concrete Abrasion Testing, Allowance for Trash Rack Foundation Design Changes	\$1,457,191.11	\$18,342,115.53	ACEO	Approved
32	3/18/2024	4/09/2024	Additional Cost for Diversion Outlet Structure (DOS) Rock Anchors Installation, Geological and Phytophthora Test Pits	\$163,736.00	\$18,178,379.53	AOO	Approved
33	4/22/2024	6/17/2024	Diversion Outlet Structure Roof Top Baffle, Articulated Joint Mockup	\$1,082,734.00	\$17,095,645.53	ACEO	Approved
34	5/20/2024	TBD	Trash Rack Panel Redesign, North Channel Extension - Submittal Procurement	\$115,579.00	\$16,980,066.53	AOO	Pending
35	4/22/2024	7/05/2024	Coyote Creek Modifications - North Channel	\$10,148,710.20	\$6,831,356.33	CEO	Approved
36	6/17/2024	TBD	Concrete Pad for Generator, Concrete Pad for Main Switchboard (MSA), Differing Site Condition for Dredging Operation	\$2,647,633.00	\$4,183,723.33	CEO	Pending
37	7/15/2024	TBD	Middle Intake Modification, Bid Item Quantity Adjustment (5e, 5o, 5r, 5s, 5t, 5u, 5v), Seismic Pipe Material Deduction	-\$14,951,168.00	\$19,134,891.33	ACEO	Pending
38	8/19/2024	TBD	3.75 to 1 Slope Erosion Control, Bid Item 5c (18.5-foot Diameter Tunnel Excavation – Class 5) Overrun Unit Price Adjustment, Drilling Program Plan 09 (DPP 09) Phase 1, 24-in, 96-in, and 156-in Pipe Extension Material Cost	\$3,839,513.30	\$15,295,378.03	CEO	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	\$15,295,378.03	UM	Approved

New CCOs for CIP Committee

Pending CCO #	CIP Committee Date	Approval Date	Description	Amount	Contingency Amount	Approval Level	Status
39	9/16/2024	TBD	Drilling Program Plan 09 Phase 2, Diversion Outlet Structure Guardrail Kickplate, Time Related Overhead for Time Impact Analysis 004.	\$677,598.98	\$14,617,779.05	ACEO	Pending

Total COs Approved	39	Total	\$24,704,621.97	\$15,295,378.03
Total COs Pending	1	Total	\$677,598.98	\$14,617,779.05

Total Number of COs (Approved & Pending)	Total Amount of COs (Approved & Pending)
40	\$25,382,220.95

Anderson Dam Tunnel Project - Construction Contract Financials

Bid Item No.	Description	Amount	Balance Remaining	Billing Through July 2024	
				Percent (%)	Amount
1	MOBILIZATION AND DEMOBILIZATION	\$ 16,150,000.00	\$ 1,782,750.00	89%	\$ 14,367,250.00
2	SITE PREPARATION	\$ 5,713,000.00	\$ 392,657.78	93%	\$ 5,320,342.22
3	DIVERSION PORTAL	\$ 6,173,496.00	\$ 261,886.40	96%	\$ 5,911,609.60
4	LAKE-TAP PORTAL	\$ 4,215,000.00	\$ 958,380.00	77%	\$ 3,256,620.00
5	TUNNEL EXCAVATION AND LINING	\$ 47,438,325.00	\$ 23,956,756.29	49%	\$ 23,481,568.71
6	SHAFT EXCAVATION AND LINING	\$ 10,100,000.00	\$ 4,336,360.00	57%	\$ 5,763,640.00
7	MICROTUNNEL	\$ 9,982,000.00	\$ 7,892,000.00	21%	\$ 2,090,000.00
8	DIVERSION OUTLET STRUCTURE	\$ 48,678,550.00	\$ 30,634,413.96	37%	\$ 18,044,136.04
9	COYOTE CREEK MODIFICATIONS	\$ 6,421,550.00	\$ 25,000.00	99.6%	\$ 6,396,550.00
10	SUPPLEMENTAL WORK ITEMS	\$ 5,668,400.00	\$ 2,260,000.00	60%	\$ 3,408,400.00
11	ALLOWANCES	\$ 600,000.00	\$ 208,152.42	65%	\$ 391,847.58
		Total Original Contract Amount	Total Balance Remaining	Percent (%) Billed	Total Billed To Original Contract Amount
		\$ 161,140,321.00	\$ 72,708,356.85	55%	\$ 88,431,964.15

CCOs	Description	Amount	Balance Remaining	Billing Through July 2024	
				Percent (%)	Amount
CCO 1-33, 35	CONTRACT CHANGE ORDERS (CCO)	\$ 33,053,064.67	\$ 10,530,219.51	68%	\$ 22,522,845.16
		Total Contract Amount Including CCOs	Total Balance Remaining Including CCOs	Total Percent (%) Billed Including CCOs	Total Billed Including CCOs
		\$ 194,193,385.67	\$ 83,238,576.36	57%	\$ 110,954,809.31

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Santa Clara Valley Water District

File No.: 24-0793

Agenda Date: 9/16/2024

Item No.: 4.5.

COMMITTEE AGENDA MEMORANDUM **Capital Improvement Program Committee**

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

SUBJECT:

Receive Information on Upcoming Consultant Agreement Amendments for Capital Projects.

RECOMMENDATION:

Receive information on upcoming consultant agreement amendments for capital projects.

SUMMARY:

At the March 28, 2017 meeting, the Board of Directors approved revising the Capital Improvement Program (CIP) Committee's purpose to include monitoring the implementation progress of key projects in the CIP. At their June 29, 2020 meeting, the CIP Committee requested that this topic be added as a standing item on all future CIP Committee meeting agendas and that staff provide updates on consultant agreement amendments for capital projects, which may include modifications to scope, schedule, and/or budget.

There is one consultant agreement amendment for capital projects presented in this memorandum for the Committee's information.

Information on consultant agreement terms extension amendments already administratively approved is included in Attachment 1 Administratively Approved Time-Only Extensions.

- 1. Amendment No. 11 to Agreement A3555A with Black and Veatch Corporation for Project Management Services for the Anderson Dam Seismic Retrofit Project No. 91864005, the Calero Dam Seismic Retrofit Project No. 91874004 (Cost Increase, Time Extension, Scope Change, Administrative Updates), the Guadalupe Dam Seismic Retrofit Project No. 91894002 and the Almaden Dam Improvements Project No. 91854001 (Time Extension and Administrative Updates) (R. McCarter)**

Staff will recommend Board approval of Amendment No. 11 to Agreement A3555A with Black and Veatch Corporation (Consultant), for Project Management Services for the Anderson Dam Seismic Retrofit Project (ADSRP) No. 91864005 and Calero Dam Seismic Retrofit Project

(CDSRP) No. 91874004.

This Amendment will increase the Not-to-Exceed Fee by \$6,715,358, for a new total Not-to-Exceed Fee of \$35,547,361; document minor scope changes; incorporate administrative updates; and extend the expiration date by 17 months, from November 15, 2024 to April 30, 2026.

The ADSRP will correct dam seismic deficiencies and ensure compliance with all current Federal Energy Regulatory Commission (FERC) and California Department of Water Resources, Division of Safety of Dams (DSOD) dam safety design standards. Upon completion of ADSRP in 2032, Anderson Reservoir will return to its original storage capacity. The CDSRP will stabilize the dam embankment to address seismic deficiencies.

Pursuant to Agreement A3555A, Consultant is currently performing project management services for both the ADSRP and CDSRP. These services include quality assurance, technical reviews, regulatory coordination with the FERC and DSOD for the ADSRP, construction contract procurement support, and contracting with the FERC independent Board of Consultants (BOC) for ADSRP technical reviews.

Amendment No. 11 will allow the Consultant to continue to provide project management services for the ADSRP and CDSRP through April 30, 2026. The cost increase of \$6,715,358 is necessary for the Consultant to provide an additional 17 months of project management services for both the ADSRP and CDSRP. The scope of services for Agreement A3555A has been amended to close out completed tasks and modify the scope of services for the ADSRP and CDSRP. Additionally, Amendment No. 11 will extend the Agreement expiration date by 17 months, incorporate administrative updates for the ADSRP, the CDSRP, the Guadalupe Dam Seismic Retrofit Project (GDSRP), and the Almaden Dam Improvements Project (ADIP), all projects included in this Agreement.

Government Code § 84308 Applies: Yes No

ENVIRONMENTAL JUSTICE AND EQUITY IMPACT:

There are no Environmental Justice Impacts associated with this action. Environmental Justice Impacts associated with Purified Water Program and the San Jose Purified Water Project will be evaluated and included in future updates to the Board.

ATTACHMENTS:

Attachment A: Government Code §84308

Attachment 1: Administratively Approved Time-Only Extension Amendments

UNCLASSIFIED MANAGER:

Ryan McCarter, 408-630-2983

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Attachment A
Government Code §84308

Receive information on upcoming consultant agreement amendments for capital projects.

List of Parties and Their Agents/Representatives Known to Staff

Organization	Name	Role	Location
Black and Veatch Corporation	Jeff Neemann	West Region, Managing Director	2999 Oak Road, Suite 490 Walnut Creek, CA 94597

List of Participants and Their Agents/Representatives Known to Staff

Organization	Name	Role	Location
Black and Veatch Corporation	Craig Lichy	Principal in Charge	2999 Oak Road, Suite 490 Walnut Creek, CA 94597
	Jim Watson	Project Manager	
	Ben Wright	Deputy Project Manager	
	Greg Zamensky	Risk Manager	
	Patrick Allen	Project Manager, Calero	
Schaaf & Wheeler	Andrew Sterbenz	Engineering Support, Permitting Acquisition Support, Contract Management	3 Quail Run Circle, Ste. 101, Salinas, CA 93907
Avila & Associates	Ernie Avila	Project Controls	712 Bancroft Road, Suite 333 Walnut Creek, CA 94598

Live Oak Associates, Inc.	Rick Hopkins	Environmental Oversight	6840 Via Del Oro Suite 220 San Jose, CA 95119
Creighton & Creighton	Jim Creighton	Public Outreach & Stakeholder Involvement	P.O. Box 1030 Los Gatos, CA 95031
Parikh Consultants, Inc.	Gary Parikh	Geotechnical	2360 Qume Drive, Suite A San Jose, CA 95131
M. Pauletto and Associates, LLC	Mike Pauletto	Quarries & Heavy Construction	11204 NW 37th Court Vancouver, WA 98685
Strategic Value Solutions	Don Stafford	Value Engineering	19201 E. Valley View Pkwy Suite H Independence, MO 64055
Terracon Consultants Inc.	Noah T. Smith	Condition Assessments	5075 Commercial Cir, Suite E Concord, CA 94520
Erskine Environmental Consulting	Bradley G Erskine	Environmental / NOA	401 Marina Place Benicia, CA 94510
Raymond B. Seed	Prof. Ray Seed	Board of Consultants (Dam Geotechnical)	2380 Watts Lane Bozeman, MT 59718
GEI	Steve Verigin	Board of Consultants (Dam Engineering)	180 Grand Avenue, Suite 1410 Oakland, CA 94612-3017
D Hertel & Associates, LLC	Dan Hertel	Board of Consultants (Construction)	P.O. Box 11983 Bozeman, MT 59719
Gannett Fleming, Inc.	Paul Schweiger	Board of Consultants (Hydrology & Hydraulics)	207 Senate Avenue Camp Hill, PA 17011
Lettis Consultants International, Inc.	Bill Lettis	Board of Consultants (Geosciences)	1000 Burnett Avenue, Suite 350 Concord, CA 94520

Gregg Korbin	Gregg Korbin	Board of Consultants (Tunnels)	1167 Brown Ave. Lafayette, CA 94549
Dr. Angelos Findikakis	Dr. Angelos Findikakis	Technical Reviewer (Stochastic Analysis of Interim Winter Reservoir Elevations Report)	448 Traverso Avenue Los Altos, CA 94022

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Administratively Approved Time-Only Extension Amendments

Line No.	Status	Agreement No.	Amendment No.	Consultant	Service	CIP Project Title; Project No.	Current Expiration Date	Amended Expiration Date	Justification	Deputy's Initials
1	Approved	A4144A	3	Stantec	Design Services	Rinconada Water Treatment Plant Residuals Remediation; No. 93294058	7/31/2024	6/30/2025	This time-only extension is required to allow the consultant to provide needed services due to the extension of the construction completion date from July 2024 to September 2024.	EA
2	Approved	A4243A	2	GEI Consultants, Inc.	Engineering Services for the Lenihan and Stevens Creek Dams Safety Evaluations	Dam Seismic Stability Evaluations; No. 91084019	7/31/2024	7/31/2027	This extension is necessary for the consultant to continue working on the project. The project has experienced timeline delays due to regulatory review and prioritization of Valley Water's other higher-priority projects. Additionally, there have been findings that have altered the project's conditions, requiring more comprehensive analysis and resolution.	RM

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Santa Clara Valley Water District

File No.: 24-0652

Agenda Date: 9/16/2024

Item No.: 4.6.

COMMITTEE AGENDA MEMORANDUM Capital Improvement Program Committee

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

SUBJECT:

Review 2024 Capital Improvement Program Committee Work Plan.

RECOMMENDATION:

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

SUMMARY:

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

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

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

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

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

ENVIRONMENTAL JUSTICE AND EQUITY IMPACT:

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

ATTACHMENTS:

Attachment 1: 2024 CIP Committee Work Plan

UNCLASSIFIED MANAGER:

Candice Kwok-Smith, 408-630-3193

CIP Committee 2024 Work Plan

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

Capital Project Monitoring

- Feasibility/Planning
- Design/Permitting
- Construction
- Environmental Permit Compliance (Post Construction)

X			X			X			X		
	X			X			X			X	
X		X			X			X			X
					X						

CIP Implementation

- Construction Contractor Compliance
- Headquarters Operations Building Planning
- Construction Activities Carbon Footprint
- Master Plan/Implementation Projects
- Dam Safety Program Strategy
- Almaden Valley Pipeline Replacement
- Anderson Dam Seismic Retrofit Project Procurement Plan
- 10-Year Pipeline Inspection and Rehabilitation Project
- RWTP Reliability Improvement Project Neighborhood Outreach
- Almaden Dam Fiscal Analysis

	X										
	X										
								X			
			X	X							X
					X						
						X					
							X				
								X			
									X		
										X	
											X

CIP Development

- CIP Development Process
 - Annual CIP Development Process, Integrated Financial Planning, and Review of CIP FY2025-29 Five-Year Plan Projects by Category
 - Review of Initially Validated and Unfunded Projects
- Preliminary CIP Review
 - Review Significant Project Plan Updates

									X		
										X	
											X

Standing Items

- Anderson Dam Tunnel Project Contingency and Change Order Monitoring
- Upcoming Consultant Agreement Amendments
- Workplan
- Minutes
- Annual Election of Committee Officer

X	X	X	X	X	X	X	X	X	X	X	X
X	X	X	X	X	X	X	X	X	X	X	X
X	X	X	X	X	X	X	X	X	X	X	X
X	X	X	X	X	X	X	X	X	X	X	X
				X							

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