



Santa Clara Valley Water District Capital Improvement Program Committee Meeting

HQ. Bldg. Boardroom, 5700 Almaden Expressway, San Jose, California
Join Zoom Meeting: <https://valleywater.zoom.us/j/94158013374>

REGULAR MEETING AGENDA

**Monday, April 21, 2025
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

All public records relating to an open session item on this agenda, which are not exempt from disclosure pursuant to the California Public Records Act, that are distributed to a majority of the legislative body, will be available to the public through the legislative body agenda web page at the same time that the public records are distributed or made available to the legislative body. Santa Clara Valley Water District will make reasonable efforts to accommodate persons with disabilities wishing to participate in the legislative body's meeting. Please advise the Clerk of the Board Office of any special needs by calling (408) 265-2600.

COMMITTEE LIAISON:
Jessica Collins

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

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

**Santa Clara Valley Water District
Capital Improvement Program Committee
REGULAR MEETING
AGENDA**

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Expressway, San Jose, California

Join Zoom Meeting:

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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>
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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 March 17, 2025 Capital Improvement Program Committee Minutes.

[25-0386](#)

Recommendation: Approve the minutes.
Manager: Candice Kwok-Smith, 408-630-3193
Attachments: [Attachment 1: 031725 CIP Committee Draft Minutes](#)

4. REGULAR AGENDA:

- 4.1. Receive Overview Report on the 10-Year Pipeline Inspection & Rehabilitation Program, Project No. 95084002. [25-0141](#)
Recommendation: Receive overview report on the 10-Year Pipeline Inspection & Rehabilitation Program.
Manager: Emmanuel Aryee, 408-630-3074
Attachments: [Attachment 1: PowerPoint](#)
Est. Staff Time: 20 Minutes
- 4.2. Receive and Discuss Information Regarding the Status of Capital Projects in the Feasibility and Planning Phase. [24-1076](#)
Recommendation: Receive and discuss information regarding the status of capital projects in the feasibility and planning phase.
Manager: Ryan McCarter, 408-630-2983
Kirsten Struve, 408-630-3138
Luz Penilla, 408-630-2228
Emmanuel Aryee, 408-630-3074
Bhavani Yerrapotu, 408-630-2735
Lisa Bankosh, 408-630-2618
Tony Ndah, 408-630-2208
Attachments: [Attachment 1: Feasibility and Planning Report](#)
Est. Staff Time: 10 Minutes
- 4.3. Receive Information on Upcoming Consultant Agreement Amendments for Capital Projects. [25-0331](#)
Recommendation: Receive information on upcoming consultant agreement amendments for capital projects.
Manager: Kirsten Struve, 408-630-3138
Est. Staff Time: 5 Minutes
- 4.4. Review 2025 Capital Improvement Program Committee Work Plan. [25-0330](#)
Recommendation: Review the 2025 Capital Improvement Program Committee Work Plan and make adjustments as necessary.
Manager: Candice Kwok-Smith, 408-630-3193
Attachments: [Attachment 1: 2025 CIP Committee Work Plan](#)
[Attachment 2: Memo from Dir Hsueh to CIP Committee](#)
Est. Staff Time: 5 Minutes

5. CLERK REVIEW AND CLARIFICATION OF COMMITTEE REQUESTS.

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

6. ADJOURN:

6.1. Adjourn to Regular Meeting at 11:00 a.m. on May 19, 2025.

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Santa Clara Valley Water District

File No.: 25-0386

Agenda Date: 4/21/2025
Item No.: 3.1.

COMMITTEE AGENDA MEMORANDUM **Capital Improvement Program Committee**

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

SUBJECT:

Approval of March 17, 2025 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.

ENVIRONMENTAL JUSTICE AND EQUITY IMPACT:

There are no Environmental Justice impacts associated with this item.

ATTACHMENTS:

Attachment 1: 031725 CIP Committee Draft Minutes

UNCLASSIFIED MANAGER:

Candice Kwok-Smith, 408-630-3193

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CAPITAL IMPROVEMENT COMMITTEE MEETING

DRAFT MINUTES

SPECIAL MEETING

**MONDAY, March 17, 2025
11:00 AM**

(Paragraph numbers coincide with agenda item numbers)

1. CALL TO ORDER:

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

1.1 Roll Call.

Committee members in attendance were District 4 Director Jim Beall and District 5 Director Nai Hsueh, Chairperson presiding. District 6 Director Tony Estremera, Vice Chairperson, attended the meeting virtually, pursuant to AB 2449. A quorum was present.

Staff members in attendance were: Gina Adriano, Aaron Baker, Erin Baker, Audrey Beaman, Sarah Berning, Mark Bilski, Wade Blackard, Rechelle Blank, Sam Bogale, James Bohan, John Brosnan, Rita Chan, Barton Ching, Theresa Chinte, Jen Codianne, Jessica Collins, Zooey Diggory, Jiana Escobar, Andrew Garcia, Rachael Gibson, Chris Hakes, Cody Houston, Sunshine Julian, Candice Kwok-Smith, Cecil Lawson, Dave Leon, Jennifer Martin, Ryan McCarter, Patrice McElroy, Tony Ndah, Karl Neuman, Julianne O'Brien, Carlos Orellana, Max Overland, Luz Penilla, Steve Peters, Alison Phagan, Kristie Resendez, Melanie Richardson, Don Rocha, E. Ray Ruiz, Amandeep Saini, Miguel Silva, Kirsten Struve, Darin Taylor, Jose Villarreal, Bhavani Yerrapotu, Tina Yoke, and Beckie Zisser.

Public in attendance were: XXX-XXX-8214, Shiloh Ballard, Jason Chen, Jan Davel, Ted Feldsher, Rebecca's iPhone, and Rick.

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 March 5, 2025 Capital Improvement Program Committee Meeting Minutes.

Recommendation: Approve the minutes.

Public Comments: None.

It was moved by Vice Chairperson Estremera and seconded by Director Beall, and unanimously carried to approve the minutes as submitted.

Regular Agenda:

- 4.1. Receive an Update on the Distribution System Master Plan Implementation Project No. 95044001.

Recommendation: Receive an Update on the Distribution System Master Plan Implementation Project No. 95044001.

Luz Penilla reviewed the information on this item, per the attached Committee Agenda Memo, and the corresponding presentation materials contained in Attachment 1. Luz Penilla, Barton Ching, and James Bohan were available to answer questions.

Public Comments: None.

The Committee received the information, took no formal action, and requested that staff provide information relating to how the three master plans are interconnected, policy context within those master plans, and contextual information relating to regional, state, and federal regulations.

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

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

Emmanuel Aryee, Ryan McCarter, Bhavani Yerrapotu, Cecil Lawson, and Tony Ndah 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, Cecil Lawson reviewed rows marked CL, and Tony Ndah reviewed rows marked TN. Emmanuel Aryee, Ryan McCarter, Bhavani Yerrapotu, Cecil Lawson, and Tony Ndah were available to answer questions.

Public Comments: None.

The Committee received the information and took no formal action.

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

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

Ryan McCarter reviewed the information on this item, per the attached Committee Agenda Memo, and was available to answer questions.

Public Comments: None.

The Committee received the information, took no formal action, and requested that the contractor provide information at an April 2025 Board of Directors meeting relating to State and Federal approvals of the project.

4.5. Review 2025 Capital Improvement Program Committee Work Plan.

Recommendation:

Review the 2025 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 requested to add the master plan discussion from item 4.1. to the 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.

The Committee took no action.

6. Adjourn:

6.1. Adjourn.

Chairperson Hsueh adjourned the meeting at 12:07 p.m.

Dave Leon
Assistant Deputy Clerk II

Date Approved:



Santa Clara Valley Water District

File No.: 25-0141

Agenda Date: 4/21/2025

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 Overview Report on the 10-Year Pipeline Inspection & Rehabilitation Program, Project No. 95084002.

RECOMMENDATION:

Receive overview report on the 10-Year Pipeline Inspection & Rehabilitation Program.

SUMMARY:

During the July 15, 2024, Capital Improvement Program (CIP) Committee meeting, staff provided an update on the 10-Year Pipeline Inspection and Rehabilitation Program, Project No. 95084002 (Project) as part of the Status of Capital Projects in the Feasibility and Planning Phase. The Committee requested that staff provide an overview report on the 10-Year Pipeline Inspection and Rehabilitation Program at a future CIP Committee meeting.

The 10-Year Pipeline Inspection and Rehabilitation Program (10-YR I&R) is a program with a 10-year cycle designed to manage, maintain, inspect, and rehabilitate Valley Water's pipeline conveyance systems indefinitely. This program supports Valley Water's commitment to providing a reliable, safe and affordable water supply.

The objective of the 10-YR I&R is to increase the reliability and useful life of Valley water's pipeline and tunnels, by accomplishing the following activities and tasks:

- A. Conducting condition assessments of pipelines
- B. Internally repairing distressed pipes and joints
- C. Replacing valves, piping, and appurtenances
- D. Installing condition monitoring systems
- E. Collecting data to improve the maintenance program and prioritize future pipeline work.

History & Background

Beginning in the year 2000, Valley Water initially undertook pipeline inspection and rehabilitation projects separately. After completing several projects, it became clear that a more programmatic

approach was necessary, and that all maintenance work needed to be covered under the California Environmental Act (CEQA) and National Environmental Policy Act (NEPA) for federal facilities. Staff developed the Pipeline Maintenance Program (PMP) and completed an Environmental Impact Report (EIR), which was approved by the Valley Water Board of Directors in November 2007. This program represented the first major comprehensive rehabilitation effort for many of the raw and treated water pipelines, several of which date back to the 1950s. Valley Water subsequently approved and implemented a 5-Year Inspection and Rehabilitation project in 2012, which transitioned to the 10-Year Pipeline Inspection and Rehabilitation Program (10-YR I&R) in 2017.

Pipeline System Description

The Santa Clara Valley Water District (Valley Water) owns, operates, and maintains over 150 miles of raw, treated, and recycled water conveyance pipelines throughout Santa Clara County and within small portions of San Benito and Merced Counties. The diameter of the raw water pipeline ranges from 120 inches (10 feet) for the pipelines and tunnels that transfer water from the reservoir to the pumping plants and treatment plants. Valley Water also owns and maintains smaller-diameter pipelines for turnouts. The majority of pipelines are Prestressed Concrete Cylinder Pipelines (PCCP) and steel, with some smaller percentages of ductile iron and plastic pipe.

Condition Assessment

The prioritization and project drivers for the inspection and rehabilitation of pipelines rely on inspection data and various factors, including information from active monitoring systems, operational constraints, and shutdown opportunities. Input from Operations & Maintenance staff, as well as findings from Asset Management's risk analyses, also play key roles in determining priorities. Valley Water conducts condition assessments and performs internal inspections of pipelines to ensure they can operate safely until the next condition assessment cycle. Pipelines identified as being in distress during these assessments are evaluated and repaired by a competitively selected onsite contractor.

10-YR I&R Accomplishments

Under the 10-YR I&R Program, staff have inspected over 80 miles of pipelines, repaired more than 560 feet of pipes, replaced over 1,000 appurtenances, installed 18 large diameter valves, and set up over 296,000 linear feet of monitoring systems as part of various projects. The following projects have been completed:

Year 2017 - 2019

- Pacheco Conduit
- Almaden Valley Pipeline and Santa Teresa Force Main
- Cross Valley Pipeline and Calero Pipeline

Year 2020 - 2023

- Santa Clara Conduit Phase 1
- Almaden Valley Pipeline Unit 2 Phase 2
- Central Pipeline and Parallel East Pipeline

10-YR I&R Active Projects

- Santa Clara Conduit Phase 1

-
- Snell Pipeline
 - West Pipeline Phase 1
 - West Pipeline Phase 2

Pipeline Maintenance Program (PMP) & Next Steps

The 2024 PMP is an update to the 2007 PMP EIR. Over the past fifteen years since the PMP's implementation, maintenance processes, tracking systems, and regulatory and physical environments have evolved. Valley Water has determined that updating the PMP will allow for these changes to be incorporated and will expand the program to include the 10-Year Pipeline Inspection & Rehabilitation Program. This alignment with other facility maintenance activities aims to enhance the utility and effectiveness of the PMP.

The significant updates to the PMP include coverage of recycled water pipelines and appurtenances. The update also encompasses the construction of new vaults and the maintenance of pump stations, storage tanks, surge tanks, and standby pipelines. The inclusion of vegetation management will also enable efficient site preparation and staging area setup for pipeline repair needs.

Ultimately, the PMP updates strengthen the long-term operational reliability of Valley Water's aging infrastructure. Fewer unplanned emergency shutdowns and repairs will result, thereby increasing public safety, saving money, and ensuring the delivery of clean and safe water to Valley Water customers.

Currently, planned inspection and renewal work for various pipelines identified under the new PMP program are listed below:

Fiscal Year 2027

- East Pipeline Inspection & Rehabilitation Project (EPL I&R) - 95084004
- Penitencia Delivery Main and Force Main Inspection & Rehabilitation Project (PDM PFM I&R) - 95084005

Fiscal Year 2028

- Santa Teresa Force Main Pipeline Inspection & Rehabilitation Project (STFM I&R) - 95084006

Fiscal Year 2029

- Milpitas Pipeline Inspection & Rehabilitation Project (MPL I&R) - 95084007

Fiscal Year 2030

- Santa Clara and Campbell Distributary Inspection & Rehabilitation Project (SCD I&R) - 95084008

Next Steps

A Public Hearing for the PMP Program Environmental Impact Report (PEIR) and Engineer's Report is set for April 22, 2025. Staff will request the certification of the PMP PEIR and the approval of the Engineer's Report.

ENVIRONMENTAL JUSTICE AND EQUITY IMPACT:

The Program addresses water supply equity by ensuring that a cost-effective, high-quality supply is available for all of Santa Clara County, including disadvantaged communities.

ATTACHMENTS:

Attachment 1: PowerPoint

UNCLASSIFIED MANAGER:

Emmanuel Aryee, 408-630-3074



10-Year Pipeline Inspection & Rehabilitation Program CIP Update

AGENDA

2

- 10-Year Pipeline Inspection & Rehabilitation Program
- History and Background
- Pipeline System
- Condition Assessment
- Accomplishments
- Active Projects
- Pipeline Maintenance Program (PMP)

10-YEAR PIPELINE INSPECTION & REHAB PROGRAM

3

What is the 10-Year Pipeline Inspection & Rehabilitation Program?

- A program to inspect and rehabilitate Valley Water's pipeline every 10 years
- Ensures that Valley Water provides safe and reliable water

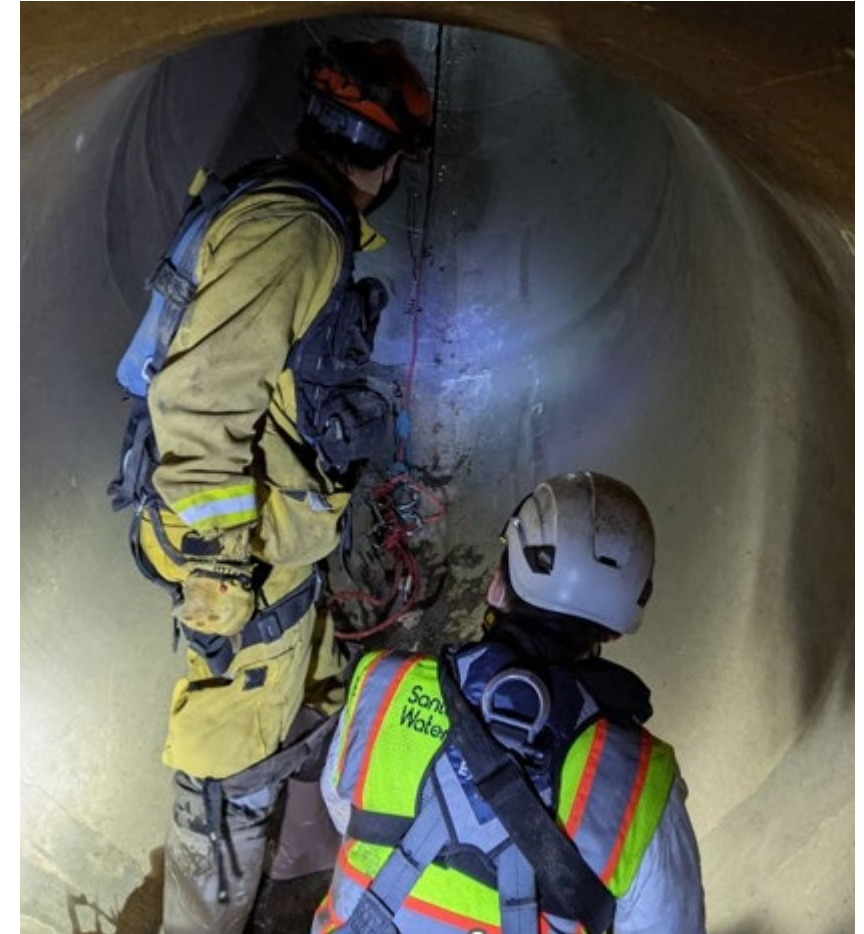


10-YEAR PIPELINE INSPECTION & REHAB PROGRAM

4

Typical Activities:

- Condition assessment of pipelines
- Internal Repair of distressed pipes and joints
- Replace valves, piping, and appurtenances
- Install condition monitoring systems
- Collect data to enhance the maintenance program and prioritization of future pipelines



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HISTORY AND BACKGROUND

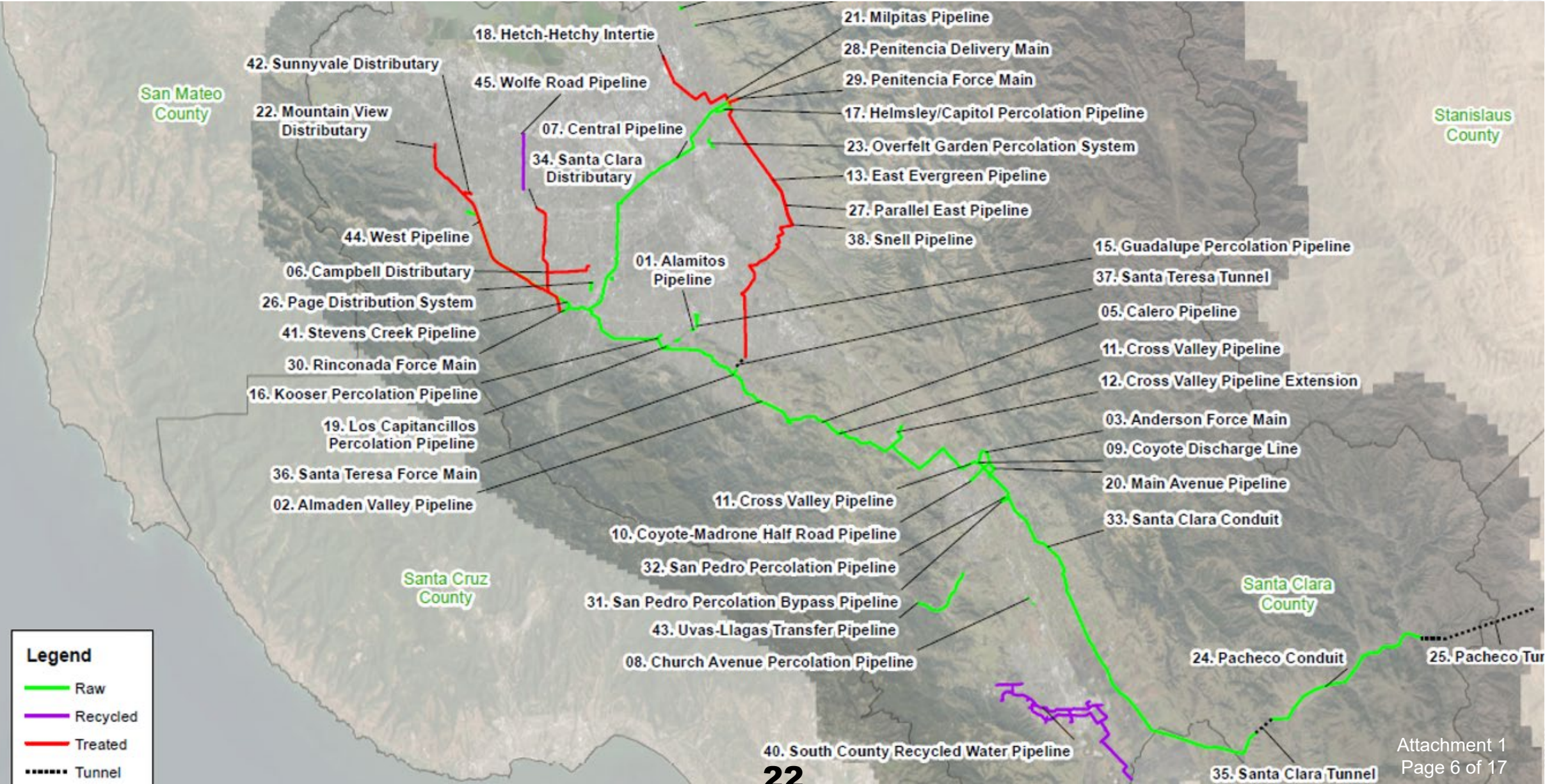
5

The Program started with a 5-Year Pipeline Inspection & Rehabilitation Program and continued as the 10-Year Pipeline Inspection & Rehabilitation Program.

Prior to program implementation:

- Frequent water service disruptions from unplanned outages
- Frequent costly emergency repairs
- Higher risk to the public and environment

Pipelines System - Map



PIPELINE SYSTEM – PIPELINE DESCRIPTION

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- About 150 miles of Treated, Raw, Recycled Water Pipelines
- Pipeline diameter from 120-inches to 10-inches
- Combination of Prestressed Concrete Cylinder Pipe (PCCP), Steel, Ductile Iron Pipe, Other

CONDITION ASSESSMENT- PROJECT PRIORITY DRIVERS

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Prioritization based on several factors including:

- External & Internal Inspection Data
- O&M and Asset Management Data
- Operational Opportunity & Constraints

CONDITION ASSESSMENT- METRIC FOR CONDITION ASSESSMENT

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➤ Objective

- Inspect pipeline to ensure safe operation for the next 10-year cycle

➤ Condition Metric

- Excellent – no repair needed within **10** years
- Keep Watch – repair within **5** years
- Poor – repair within **1** year or immediately

ACCOMPLISHMENTS – 10 YEAR PIPELINE INSPECTION & REHAB PROGRAM

- Inspected 80 miles of pipelines
- Repaired 560 linear feet of pipelines
- Replaced over 1,000 appurtenances
- Replaced 18 large line valves
- Installed 296,000 linear feet of Acoustic Fiber Optic (AFO) monitoring systems

ACCOMPLISHMENTS – 10 YEAR PIPELINE INSPECTION & REHAB PROGRAM

Completed Projects

| Year | Pipelines Name/Project |
|------|--|
| 2023 | Santa Clara Conduit Phase 1 (C0673) |
| 2023 | Almaden Valley Pipeline Unit II Phase II (C0685) |
| 2020 | Central Pipeline and Parallel East Pipeline (C0661) |
| 2019 | Cross Valley Pipeline and Calero Pipeline (C0650) |
| 2018 | Almaden Valley Pipeline and Santa Teresa Force Main (C0631, C0636) |
| 2017 | Pacheco Conduit (C0629) |

ACTIVE PROJECTS – 10-YEAR PIPELINE INSPECTION & REHAB PROGRAM

- Santa Clara Conduit
- Snell Pipeline
- West Pipeline Phase 1
- West Pipeline Phase 2

SUNSET 2007 PMP AND IMPLEMENT 2024 PMP

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PIPELINE MAINTENANCE PROGRAM (PMP)

14

- Updates and improves the 2007 PMP Environmental Impact Report (EIR)
- Significant updates & benefits, including coverage of:
 - Recycled Water
 - Additional water infrastructure
 - Include updates to essential activities and tasks
- Benefits
 - Strengthen long-term reliability
 - Increase public safety
 - Save money

PIPELINE MAINTENANCE PROGRAM (PMP)

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To Be Continued Under Updated PMP:

- FY 2027 – East Pipeline
- FY 2027 - Penitencia Delivery Main, Penitencia Force Main
- FY 2028 – Santa Teresa Force Main
- FY 2029 – Milpitas Pipeline

PIPELINE MAINTENANCE PROGRAM (PMP)

16

Upcoming Board Actions:

- Conduct Public Hearing for PMP Engineer's Report
- Request for Certification of PMP EIR & Approval of the Engineer's Report

END OF PRESENTATION



Valley Water

Clean Water • Healthy Environment • Flood Protection

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Santa Clara Valley Water District

File No.: 24-1076

Agenda Date: 4/21/2025

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:

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

RECOMMENDATION:

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

SUMMARY:

The Capital Improvement Committee's (CIP) 2025 Workplan includes monitoring of capital projects during all phases of delivery. Staff will prepare a list of active projects to submit to the Committee each month and will provide detailed information on those where potential and/or significant issues have been identified. The projects presented for discussion will be organized by phases: feasibility/planning, design/permitting, and construction. Staff will present projects to the CIP Committee for review one phase at a time. Projects currently in the feasibility/planning phase are being presented this month.

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

ENVIRONMENTAL JUSTICE AND EQUITY IMPACT:

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

ATTACHMENTS:

Attachment 1: Feasibility and Planning Report

UNCLASSIFIED MANAGER:

Ryan McCarter, 408-630-2983

Kirsten Struve, 408-630-3138

Luz Penilla, 408-630-2228

Emmanuel Aryee, 408-630-3074

Bhavani Yerrapotu, 408-630-2735

Lisa Bankosh, 408-630-2618

Tony Ndah, 408-630-2208

Capital Project Monitoring Report – April 2025

| Feasibility and Planning Phase | | | | |
|--------------------------------|-------------|---|--|-------------------|
| Row | Project No. | Project Name | Notes, Upcoming Board Actions, or potential issues | Deputy's Initials |
| Water Supply | | | | |
| 1 | 91084019 | Dam Seismic Stability Evaluations | The Division of Safety of Dams (DSOD) received the Coyote Dam seismic stability assessment in July 2024. Work has started on the Problem Definition Memo and Conceptual Remedial Alternatives, with delivery expected by the end of 2025. The Uvas Dam seismic assessment technical memorandum, which concluded that no additional studies are needed, was submitted to DSOD in March 2025 for review. The Chesbro Dam evaluations are expected to be completed in April 2025 and will then be submitted to DSOD. DSOD has completed its review of spillway evaluations for Lenihan and Stevens Creek Dams. These evaluations will support the project team's ongoing planning efforts, including the analysis of various alternatives. | RM |
| 2 | 91294001 | San Jose Purified Water Project (SJPWP) - Phase 1 | Amendment No. 2 for Agreement A4623A with CDM Smith, Inc. has been executed, and Amendment No. 4 for Agreement A4133A with Environmental Science Associates is in progress. Their work will focus on the first phase of the PWP, a Direct Potable Reuse (DPR) Demonstration Facility located in San Jose next to Silicon Valley Advanced Water Purification Facility. City of San Jose and Valley Water staff are continuing to work on regulatory approaches and agreements needed for the demonstration facility. Staff is currently working on the procurement of a design consultant to design the DPR Demonstration facility and expects to release a Request for Proposals (RFP) in Q4 of FY25. | KS |
| 3 | 93044001 | Water Treatment Plant (WTP) Master Plan Implementation Project | Staff has reviewed the Draft Basis of Design (BOD) reports for Treatment Plants. BOD reports consolidate recommended alternatives into larger capital projects intended for implementation in the first ten years of the implementation period. The BODs provide definition for the projects, information on impacts to plant operations, and more detailed cost estimates. Staff’s development of these documents is expected to continue through spring 2025 and will support the development of the Implementation Plan and Final Planning Study Report. In the meantime, staff has published a Notice of Preparation (NOP) as part of the project’s Programmatic Environmental Impact Report (PEIR) in March 2025. Staff also completed a Public Scoping Meeting on March 20, 2025, and is now collecting public input as part of the 30-day public comment period of the NOP. Staff presented an update of this master plan at the Quarterly Retailers Meeting on March 19, 2025. | LP |
| 4 | 95044002 | SCADA Master Plan Implementation Project | Staff is finalizing the planning studies for the two early implementation projects for SCADA communications and the raw water control center. The planning studies have identified the Feasible Alternatives and are finalizing the Recommended Alternatives for each project. Staff is also making progress with the draft SCADA Platform Selection Request for Qualifications (RFQ), including working with Procurement to finalize the details needed for advertisement. The RFQ will allow Valley Water staff to short-list respondents for participation in the upcoming RFP for the SCADA system platform to be used in future Valley Water projects, including the ones that come from this plan. | LP |
| 5 | 95044001 | Distribution System Master Plan Implementation Project | Staff inspected six pump stations (Wolfe Road Pump Station, Intertie Pumping Plant, Campbell Well Field, San Tomas Injection Well, Coyote Pumping Plant, and Pacheco Pumping Plant) in January 2025 to assess their condition. Staff continues to evaluate the assets for these pump stations, including for raw water pipelines, treated water pipelines, canals, and recycled water facilities. Staff provided an update of these efforts to the CIP Committee on March 17, 2025, and plans to finalize these findings into technical memos by end of 2025. These evaluations will inform the development of the Problem Definition Report. Staff presented an update of this Master Plan to the Quarterly Retailers Meeting on March 19, 2025. | LP |
| 6 | 95084002 | 10-Year Pipeline Inspection and Rehabilitation Project | The Final Pipeline Maintenance Program (PMP) EIR is completed and has been approved by the CEO. Staff is setting the date and time for the public hearing of the Final PMP EIR and Engineer’s Report and to request the Board’s approval in April 2025. | EA |
| 7 | 93294059 | Rinconada WTP Ammonia Storage and Metering Facility Upgrade Project | The Planning Study Report is underway and planned for completion in April 2025. | EA |

| Flood Protection | | | | |
|-----------------------------|----------------------|---|--|----|
| 8 | 26444002 26444004 | San Francisco Bay Shoreline (E7) – Phase II and Phase III | <p>The US Army Corps of Engineers (USACE) concluded the Phase II study after finding that the study area is not predicted to experience flood damage significant enough to justify federal investment. Per Board direction on February 25, 2025, Valley Water will engage with the cities of Mountain View and Palo Alto to further discuss conclusion of the Phase II study.</p> <p>In August 2023, USACE kicked off the Shoreline Sunnyvale (Phase III) Feasibility Study (Study). USACE has proposed a Study schedule of eight years and budget of \$15.97 million, to be shared 50/50 between Valley Water and USACE, making Valley Water’s contribution \$7.885 million. The cost and duration are greater than expected due to incorporation of engineering investigations into the Study that would typically be done in design, which are expected to result in more realistic project cost estimates. Valley Water staff submitted a Letter of Support for the Study to USACE on December 3, 2024. Approval of the Study scope, budget and schedule by USACE Headquarters is pending.</p> | BY |
| Water Resources Stewardship | | | | |
| 9 | 26044003 | Ogier Ponds Separation from Coyote Creek (SCW D4.2)* | <p>The Planning Study Report (PSR) was updated to address and incorporate comments from Santa Clara County Parks (Parks) for Feasible Alternatives Analysis. Next, the PSR will be provided to the Anderson Dam Seismic Retrofit Project (ADSRP) Technical Working Group (TWG) for feedback and updates as needed. The project team is working with a consultant to prepare a two-dimensional hydraulic model that will be used to develop high-low flood routing and low-flow steel head habitat features for the Staff-Recommended Alternative. Staff provided preliminary channel designs to the California Department of Fish and Wildlife in support of the ADSRP permitting in the fall 2024. The project team is tentatively on track to complete the PSR in 2025; however, timing is dependent on input from the TWG. Staff continues to request Parks approval for access to the project site to complete about two weeks of geotechnical investigations. This work is needed to identify potential site risks, determine materials reusability, and support the preliminary design of the Staff-Recommended Alternative.</p> | LB |
| 10 | 26044005 | Fish Passage Improvements (Moffett) (SCW D4.3)* | <p>Staff is currently compiling and reviewing input from the Quality Control (QC) Team for the Feasible Alternatives Report, which includes a preliminary Staff-Recommended Alternative to improve fish passage at the Moffett Drop Structure on Stevens Creek. Staff completed a review of background information, revised cost estimates for conceptual alternatives, and developed a 3D CADD model for hydraulic model development and preliminary design analysis. Staff expects to address or incorporate QC comments to complete the Feasible Alternatives Report and select the Staff-Recommended Alternative in April 2025. The next steps include preparing a two-dimensional hydraulic model, updating the cost estimate, coordinating with stakeholders, and completing the PSR in 2025.</p> | LB |
| 11 | 20444001 | Calabazas/San Tomas Aquino Creek-Marsh Connection Project (Planning and Design) | <p>There was an agency coordination meeting in September 2024 to present feasible alternatives and beneficial changes to the preliminary staff-recommended alternative. The proposal was well received at the agency coordination meeting, so staff will continue the hydraulic and sediment transport modeling necessary to further develop the preliminary staff-recommended alternative. Valley Water met with City of Sunnyvale staff on October 24, 2024 to enhance coordination and discuss the pilot concept and the National Pollutant Discharge Elimination System (NPDES) requirements previously discussed with Regional Water Quality Control Board staff. Due to the city staff’s retirement, a follow-up meeting will be scheduled in summer or late 2025. The feasible alternative report was finalized in February 2025. A meeting was held on March 20 to discuss with Bay Conservation and Development Commission, the County, relevant city representatives and other relevant agencies how the existing public access would change with the project and the proposed Bay Trail connection. The discussion also covered how the project may be planned in line with or complement other known existing or planned public access in the area. Valley Water’s proposed public access improvements were well received by all agencies. Staff will present the preliminary recommended alternative from the report during a CIP Committee meeting in summer 2025.</p> | LB |

| Buildings & IT | | | | |
|----------------|----------|------------------------------------|---|----|
| 12 | 60204022 | Security Upgrades and Enhancements | <p>This project will significantly enhance the overall security of Valley Water facilities by designing and installing a modern technical security system capable of addressing today’s security and investigative requirements to counter security threats. The project is being delivered in three phases: The construction contract for Phase 1, which involves fencing replacement, was awarded by the Board in December 2024 and construction is in progress. Phase 2, focusing on surveillance and access control replacement, is in the design phase and is scheduled to go out to bid for construction in Q3 of FY25. Phase 3, the expansion of the surveillance system, is in the planning phase and will be advanced after the completion of Phase 2 to ensure a seamless progression in enhancing the overall security infrastructure.</p> | TN |

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

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Santa Clara Valley Water District

File No.: 25-0331

Agenda Date: 4/21/2025

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 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:

1. Amendment No. 4 Agreement A4133A with Environmental Science Associates, Inc. for Environmental Review and Permitting Services for Purified Water Program, Project No. 91304001 (Scope Change, Administrative Updates) (K. Struve)

Staff will recommend CEO approval of Amendment No. 4 to Agreement A4133A with Environmental Science Associates, Inc. (Consultant) for environmental review and permitting services for the Purified Water Program, Project No. 91304001, to document scope changes allowing the Consultant to perform similar work on a different project and incorporate administrative updates.

On January 9, 2024, the Board reviewed the CIP Preliminary FY25-29 Five-Year Plan and directed staff to include the San Jose Purified Water Project (SJPWP) - Phase 1, Project No. 91294001, in the CIP Draft FY25-29 Five-Year Plan. Subsequently, on February 27, 2024 the

Board directed staff to place the Purified Water Program Project No. 91304001, which had been focusing on building a facility in Palo Alto, on the CIP unfunded list due to affordability concerns and instead to expedite a potable reuse project with the City of San Jose to design and build a direct potable reuse (DPR) demonstration facility under the new project number 91294001. In June 2024, staff presented to the CIP Committee that an upcoming amendment, Amendment No. 3, to A4133A would include a scope change. However, when Amendment No. 3 was enacted on December 18, 2024, it only extended the expiration date of Agreement A4133A by four years from December 31, 2024 to December 31, 2028.

Amendment No. 4 to Agreement A4133A will close out remaining tasks under the Purified Water Project No. 91304001 and transfer the remaining NTE fee to allow the Consultant to continue providing environmental review and permitting services for the San Jose Purified Water Project (SJPWP) - Phase 1, Project No. 91294001.

ENVIRONMENTAL JUSTICE AND EQUITY IMPACT:

There are no environmental justice and equity impacts associated with this action.

ATTACHMENTS:

None.

UNCLASSIFIED MANAGER:

Kirsten Struve, 408-630-3138



Santa Clara Valley Water District

File No.: 25-0330

Agenda Date: 4/21/2025

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:

Review 2025 Capital Improvement Program Committee Work Plan.

RECOMMENDATION:

Review the 2025 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 2025 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: 2025 CIP Committee Work Plan

Attachment 2: Memo from Dir Hsueh to CIP Committee

UNCLASSIFIED MANAGER:

Candice Kwok-Smith, 408-630-3193

CIP Committee 2025 Work Plan

| | <i>Jan</i> | <i>Feb</i> | <i>5-Mar</i> | <i>17-Mar</i> | <i>Apr</i> | <i>May</i> | <i>Jun</i> | <i>Jul</i> | <i>Aug</i> | <i>Sep</i> | <i>Oct</i> | <i>Nov</i> | <i>Dec</i> |
|--|------------|------------|--------------|---------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Capital Project Monitoring | | | | | | | | | | | | | |
| Feasibility/Planning | X | | | | X | | | X | | | X | | |
| Design/Permitting | | X | | | | X | | | X | | | X | |
| Construction | | | | X | | | X | | | X | | | X |
| Environmental Permit Compliance (Post Construction) | | | | | | | X | | | | | | |
| | | | | | | | | | | | | | |
| CIP Implementation | | | | | | | | | | | | | |
| Master Plan/Implementation Projects | | | | X | | | | | | | | | |
| 10-Year Pipeline Inspection and Rehabilitation Project | | | | | X | | | | | | | | |
| Calero & Guadalupe Dams Seismic Retrofit - Design & Construction Projects | | | | | | | | | | | X | | |
| Upper Guadalupe – SPRR to Blossom Hill – Project and Funding status update | | | | | | | | X | | | | | |
| Calabazas/San Tomas Aquino Creek Staff Recommended Alternative | | | | | | | | 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 | | | | | | | | | | X | | | |
| • Review of Initially Validated and Unfunded Projects | | | | | | | | | | | X | | |
| CIP Preliminary Five-Year Plan Review | | | | | | | | | | | | | X |
| • Review Significant Project Plan Updates | | | | | | | | | | | | | X |
| | | | | | | | | | | | | | |
| Standing Items | | | | | | | | | | | | | |
| Anderson Dam Tunnel Project Contingency and Change Order Monitoring | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Upcoming Consultant Agreement Amendments | X | X | | X | X | X | X | X | X | X | X | X | X |
| Workplan | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Minutes | X | X | | X | X | X | X | X | X | X | X | X | X |
| Annual Election of Committee Officer | | X | | | | | | | | | | | |

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MEMORANDUM

FC 14 (02-08-19)

TO: CIP Committee

FROM: Nai Hsueh,
CIP Chair

SUBJECT: Request for Pacheco Reservoir
Expansion Project Presentation to
CIP Committee

DATE: April 21, 2025

At the 2/18/25 Capital Improvement Program (CIP) Committee, Director Beall requested that that Pacheco Reservoir Expansion Project (Project) be presented to the CIP. This memo provides background information on the Project and why policy discussions occur at the Water Supply and Demand Management Committee (WSDM) and at Board meetings.

Committee Background

By way of background, in 2015 the Board approved the formation of the Pacheco Reservoir Exploratory Ad Hoc Committee. At that time the purpose was to discuss information on issues related to the LAFCO consideration of dissolution of Pacheco Pass Water District.

In 2018, the Board expanded the scope of the Pacheco Reservoir Exploratory Ad Hoc Committee to include other water storage opportunities (surface and groundwater) and renamed the committee the Water Storage Exploratory Committee.

In 2024, the Water Storage Exploratory Committee was merged with the Water Conservation and Demand Management due to overlapping scopes and to avoid potential Brown Act violations. The committee is now known as the "Water Supply and Demand Management Committee." Since discussions of this project began, it has always remained in a committee focused on water supply reliability.

Project Updates

At the 3/16/2023 Special Board Work Study Session on the Pacheco Reservoir Expansion Project, the Board requested to receive quarterly updates on the Project. At the 8/22/2023 Board meeting, staff provided a Project update that included both actual and projected costs. The presentation prompted numerous questions and comments from Board members and the public, highlighting the importance of upcoming discussions and their alignment with the Water Supply Master Plan. To address these comments, the Water Storage Exploratory Committee (now known as WSDM), at its 10/13/2023 meeting, voted to recommend a list of discussion topics to the Board (Table 1). The intent was to create a structured framework for in-depth Board discussions to address concerns and support informed decision-making on the Project. The Board approved the recommendations as its 11/14/2023 meeting.

At the 3/11/2025 Board meeting, staff provided a summary of topics that have been previously discussed (Table 1) and a list of future topics (Table 2). During the discussion I suggested adding a cost-benefit analysis.

| Table 1 Topics Previously Presented | | |
|---|-----------|---------------|
| | Committee | Board Meeting |
| Presentation of Potential Topics | 10/13/23 | 11/14/23 |
| Description of Project Operations and Benefits | 12/8/23 | 1/22/24 |
| Discussion and Review of Project Costs | 5/17/24 | 6/11/24 |
| Discussion and Review of Requirements Unique to the Project | 8/26/24 | 10/10/24 |

| Table 2 Future Topics Presented at 3/11/25 Board Meeting | |
|---|--|
| Discussion and review of current partnership approach and Board- directed partnership percentages | |
| Discussion of connection between Project and the 2025 Water Supply Master Plan's Portfolio Recommendation | |
| Review of the Project's environmental impacts and mitigation measures | |
| Additional topics as requested by the Board or Committee | |
| NEW: Cost Benefit Analysis (As requested by Director Hsueh at 3/11/25 Board meeting) | |

In addition to the Board Project updates, the WSDM Committee receives quarterly updates along with similar projects (South County Recharge, Sites Reservoir Expansion Project, BF Sisk Dam Raise, Semitropic Groundwater Bank) listed on the committee's Work Plan under the Water Supply Master Plan Strategy 3: Optimize the Use of Existing Supplies and Infrastructure.

Recommendation for Committee Discussion

I recommend the policy discussions related to the Project remain within the WSDM Committee. This will ensure future decisions for the Project are integrated with the Water Supply Master Plan and its Adaptive Management Process. The CIP Committee's involvement in the planning, design, and environmental aspects of this or other projects is limited and concentrates on monitoring project progress against milestones and budgets.

Presenting the Project to the CIP Committee could also raise concerns under the Brown Act by potentially constituting a serial meeting. While we could consider reevaluating the CIP Committee's scope, doing so may necessitate changes to the scopes of the WSDM and other committees as well.

The current structured process provides ample opportunities for questions and feedback from both the full Board and the public. The topics approved by the Board are a living document that can be modified per Board direction to support informed decision-making on the project.