



Santa Clara Valley Water District Capital Improvement Program Committee Meeting

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

REGULAR MEETING AGENDA

**Monday, August 19, 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, August 19, 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>

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

This agenda has been prepared as required by the applicable laws of the State of California, including but not limited to, Government Code Sections 54950 et. seq. and

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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 July 15, 2024 Capital Improvement Program Committee Minutes. [24-0753](#)
Recommendation: Approve the minutes.
Manager: Candice Kwok-Smith, 408-630-3193
Attachments: [Attachment 1: 071524 CIP Committee Draft Minutes](#)

4. REGULAR AGENDA:

- 4.1. Receive information on Santa Clara Valley Water District's Greenhouse Gas Reduction Plan [24-0701](#)
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.
Manager: Lisa Bankosh, 408-630-2618
Attachments: [Attachment 1: PowerPoint](#)
- 4.2. Receive and Discuss Information Regarding the Status of Capital Projects in the Design and Permitting Phase. [24-0664](#)
Recommendation: Receive and discuss information regarding the status of capital projects in the design and permitting phase.
Manager: Bhavani Yerrapotu, 408-630-2735
Emmanuel Aryee, 408-630-3074
Ryan McCarter, 408-630-2983
Attachments: [Attachment 1: Design and Permitting Report](#)
- 4.3. Receive Information on Change Orders to Anderson Dam Tunnel Project Construction Contract. [24-0659](#)
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](#)
- 4.4. Review 2024 Capital Improvement Program Committee Work Plan. [24-0651](#)
Recommendation: Review the 2024 Capital Improvement Program Committee Work Plan and make adjustments as necessary.
Manager: Candice Kwok-Smith, 408-630-3193
Attachments: [Attachment 1: 2024 CIP Committee Work Plan](#)

5. CLERK REVIEW AND CLARIFICATION OF COMMITTEE REQUESTS.

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

6. ADJOURN:

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

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Santa Clara Valley Water District

File No.: 24-0753

Agenda Date: 8/19/2024

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 July 15, 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: 071524 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, July 15, 2024
11:00 AM**

(Paragraph numbers coincide with agenda item numbers)

1. CALL TO ORDER:

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

1.1 Roll Call.

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

Staff members in attendance were: Gina Adriano, Emmanuel Aryee, Aaron Baker, Lisa Bankosh, Henry Barrientos, Sandra Benavidez, Sarah Berning, Wade Blackard, James Bohan, John Bourgeois, Sally Castro, Jessica Collins, Jiana Escobar, Antonio Gallegos, Bal Ganjoo, Meenakshi Ganjoo, Andrew Garcia, Jaeho Hahn, Christopher Hakes, Girlie Jacobson, Michele King, Peggy Lam, Jennifer Martin, Ryan McCarter, Patrice McElroy, Nicole Merritt, Katie Muller, Tony Ndah, Julianne O'Brien, Carlos Orellana, Leslie Orta, Alison Phagan, Mike Potter, Juan Renteria, Amandeep Saini, Medi Sinaki, Diahann Hudson Soleno, Odilia Teixeira, Cheryl Togami, Bhavani Yerrapotu, Tina Yoke, and Beckie Zisser.

Public in attendance were: Molly Culton 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 June 17, 2024 Capital Improvement Program Committee Meeting Minutes.

Recommendation: Approve the minutes.

The Committee considered the attached minutes of the June 17, 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 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.

Ryan McCarter, John Bourgeois, Girlie Jacobson, James Bohan, Emmanuel Aryee, Bhavani Yerrapotu, Lisa Bankosh, 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: Ryan McCarter reviewed rows marked RM, John Bourgeois reviewed rows marked JB, Girlie Jacobson reviewed rows marked KS, James Bohan reviewed rows marked LP, Emmanuel Aryee reviewed rows marked EA, Bhavani Yerrapotu reviewed rows marked BY, Lisa Bankosh reviewed rows marked LB, and Tony Ndah reviewed rows marked TN.

Ryan McCarter, John Bourgeois, Girlie Jacobson, James Bohan, Emmanuel Aryee, Bhavani Yerrapotu, Katie Muller, Lisa Bankosh, Medi Sinaki, and Tony Ndah were available to answer questions.

Public Comments: None

The Committee received the information, took no formal action, and requested that staff provide the Committee with a life cycle cost pros

and cons option under the distribution system master plan implementation project, a future agenda item relating to an overview with additional details for the Ten-Year Pipeline Inspection and Rehabilitation Project, and additional project details for the Lower Guadalupe River Capacity Restoration project.

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

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

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

Public Comments: None.

The Committee received the information and took no formal action.

4.3. Receive Update on the Almaden Valley Pipeline Replacement Project, Project No. 92304001, (San Jose, Unincorporated Santa Clara County) (District 1, District 7.)

Recommendation: Receive Update on the Almaden Valley Pipeline Replacement Project, Project No. 92304001, (San Jose, Unincorporated Santa Clara County) (District 1, District 7).

Emmanuel Aryee, Juan Renteria, and Antonio Gallegos reviewed the information on this item, per the attached Committee Agenda Memo, and the corresponding presentation materials contained in Attachment 1 and were available to answer questions.

Public Comments: None.

The Committee received the information and took no formal action. Director Beall requested that staff provide a briefing relating to pipe inspection data and noted his interest relating to the public meetings for the Capital Project Delivery Process.

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 August 19, 2024.

Chairperson Hsueh adjourned the meeting at 12:16 p.m.

Dave Leon
Assistant Deputy Clerk II

Date Approved:



Santa Clara Valley Water District

File No.: 24-0701

Agenda Date: 8/19/2024

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 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.

SUMMARY:

Since 2008, Santa Clara Valley Water District (Valley Water) has been working to reduce its greenhouse gas (GHG) emissions. In 2013, Valley Water's Board of Directors provided policy direction for achieving carbon neutrality by 2020. Valley Water's original voluntary carbon reduction framework accounted for GHG emissions from operations, fleet, energy usage, imported water, and employee and business commutes. The assessment also accounted for offsets associated with the co-benefits of emissions reductions from water conservation and environmental stewardship actions such as habitat restoration and the countywide Green Business Program. Under this framework, Valley Water implemented an energy optimization plan and achieved carbon neutrality in 2016.

In 2021, the Board of Directors adopted Valley Water's first comprehensive Climate Change Action Plan (CCAP). The CCAP's GHG Emission Reduction Program aims to reduce direct emissions from natural gas, fuel, and refrigerant use, expand renewable energy and improve efficiency, and reduce indirect emissions, including ones that result from construction activity on Valley Water projects.

A Greenhouse Gas Reduction Plan (GHGRP) is being developed to support the GHG emission reduction program. The GHGRP updates the approach from Valley Water's original voluntary carbon reduction framework by accounting for additional indirect emissions from construction activities, along with other emissions, such as sediment hauling from the Stream Maintenance Program, and solid waste and wastewater generated at Valley Water facilities. The update also included a new target for achieving carbon neutrality by 2045 per Assembly Bill 1279 (The California Climate Crisis Act).

The next steps include updating the Board Policy and Monitoring Committee (BPMC), finalizing the GHGRP, completing the California Environmental Quality Act (CEQA) review, and starting the GHGRP implementation.

The Committee will receive a presentation on the Greenhouse Gas Reduction Plan, including emissions inventory, forecasting, target setting, construction-related reduction measures, and framework for reduction.

ENVIRONMENTAL JUSTICE AND EQUITY IMPACT:

There are no environmental justice and equity impacts associated with greenhouse gas emission reduction plan. This action is unlikely to or will not result in negative human health or environmental effects and is not associated with an equity opportunity.

ATTACHMENTS:

Attachment 1: PowerPoint

UNCLASSIFIED MANAGER:

Lisa Bankosh, 408-630-2618



CEQA-Qualified Greenhouse Gas Reduction Plan

Mr. Fred Hochberg, Ascent Environmental (Member of the Valley Water Consultant Team)
Capital Improvement Program Committee

August 19, 2024

Outline

- A. History of GHG reduction at Valley Water
 - 2013 Carbon Neutrality Framework
 - 2021 Climate Change Action Plan
- B. CEQA-Qualified Greenhouse Gas Reduction Plan
- C. Construction Emissions Inventory
- D. Construction Emissions Reduction Measures
- E. Next Steps

A. History of GHG Reduction at Valley Water

2013 Framework

Scope 1: Direct Emissions from Fleet/Heating

Scope 2: Energy Uses

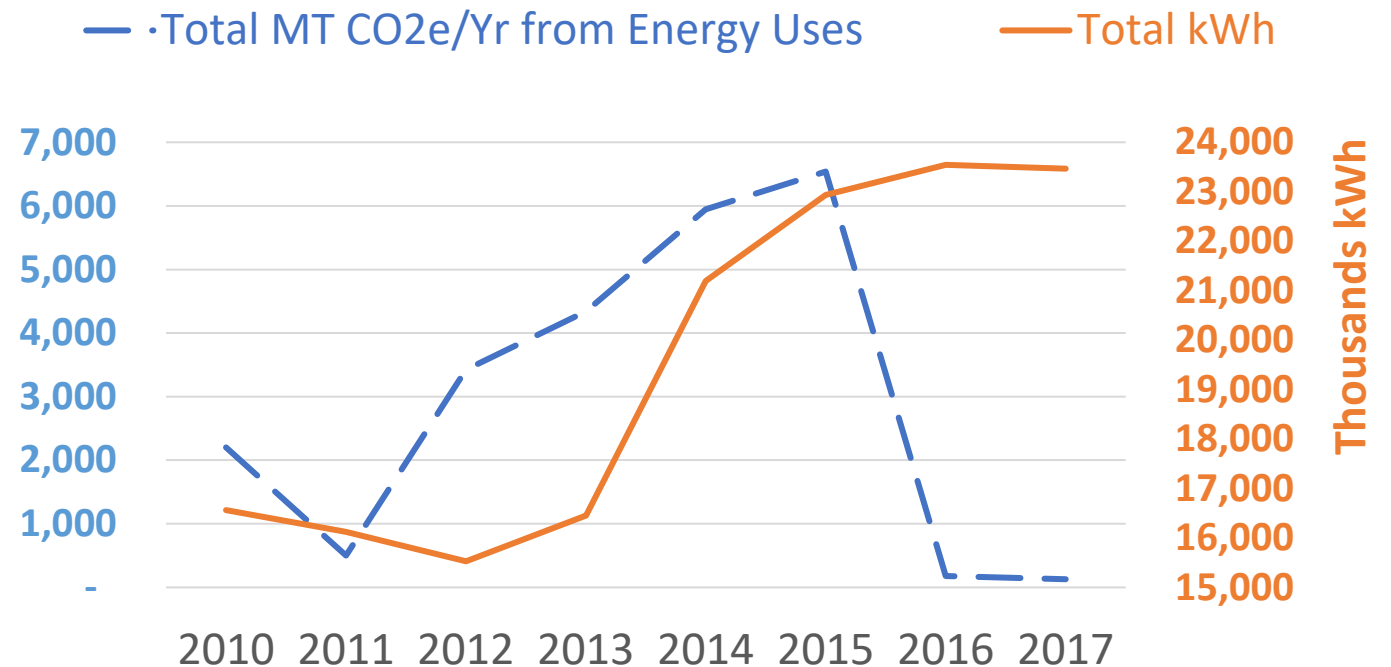
Scope 3: Imported Water, Employee Commute, Business Travel



A. 2013 Carbon Neutrality Framework

Implemented major GHG reduction measures – Valley Water achieved carbon neutrality under the 2013 Framework.

- Green Business Certification
- Energy optimization measures (including zero carbon energy from Power and Water Resources Pooling Authority)
- Internal offsets
 - Water conservation
 - Habitat restoration



A. 2021 Climate Change Action Plan

Reduce Direct
Emissions

Expand
Renewable
Energy & Improve
Efficiency

Reduce Indirect
Emissions

Action 1.6.2: Include additional GHG sources in inventory

Action 1.6.4: Prepare A CEQA-Qualified GHG Reduction Plan

B. Benefits of A CEQA-Qualified GHG Reduction Plan



Addressing GHG emissions through an adopted plan



Streamlining the determination of significance during the environmental review (CEQA) of future capital improvement projects (CIPs)



Complying with California Air Resource Board, Office of Planning Research, and Bay Area Air Quality Management District guidelines

C. GHG Emission Inventory

Scope 1

Direct Emission

- Fleet
- Natural Gas
- Refrigerant

Scope 2

Purchased Electricity

- Power and Water Resources Pooling Authority (PWRPA)
- PG&E
- Community Choice Aggregation (CCA)

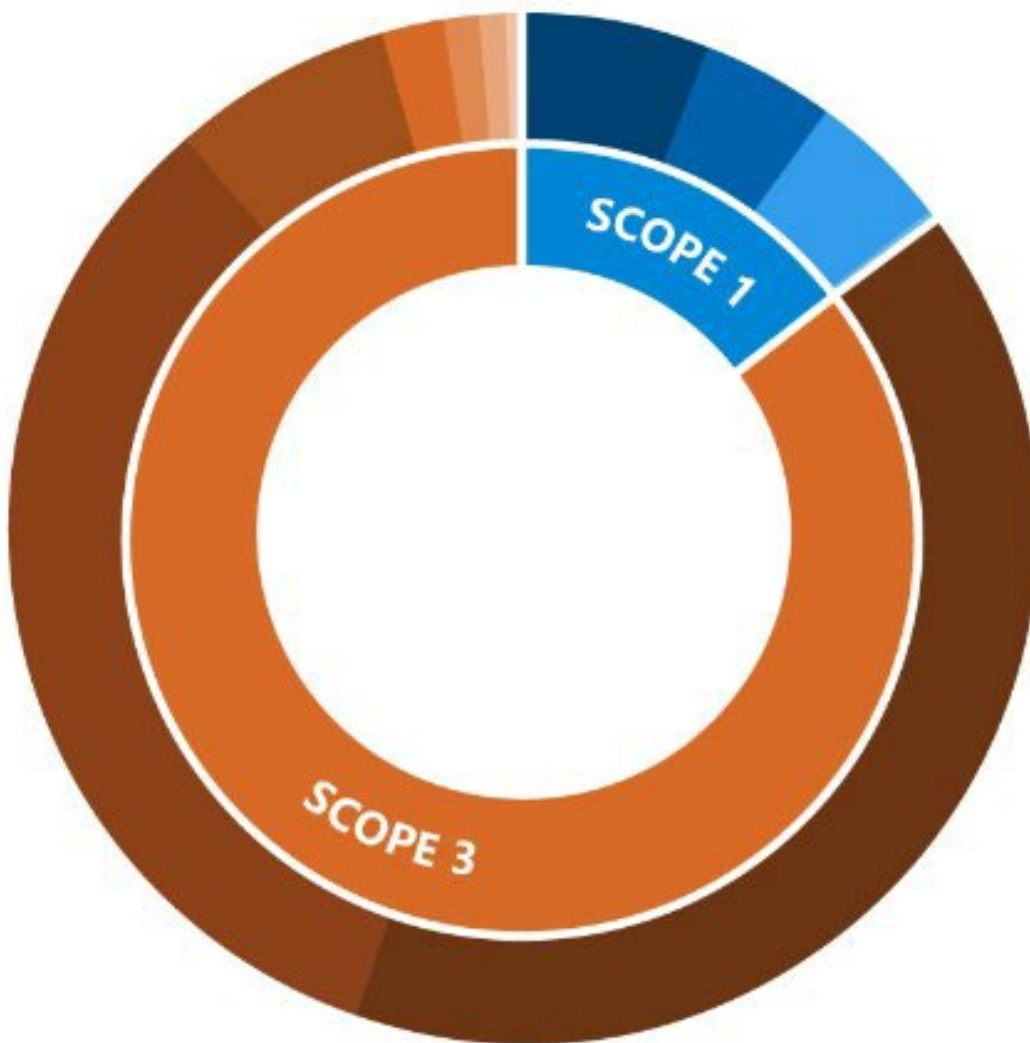
Scope 3

Indirect Emission

- Imported water
- Business travel
- Employee commute
- **Construction**
- **Solid Waste**
- **Wastewater**
- **Sediment hauling**

Brown font: emissions newly added to the inventory

C. GHG Emission Inventory



SCOPE 1

- 6% ON-ROAD FLEET
- 4% NATURAL GAS USE IN BUILDINGS
- 4% OFF-ROAD FLEET
- <1% HIGH GWP GASES

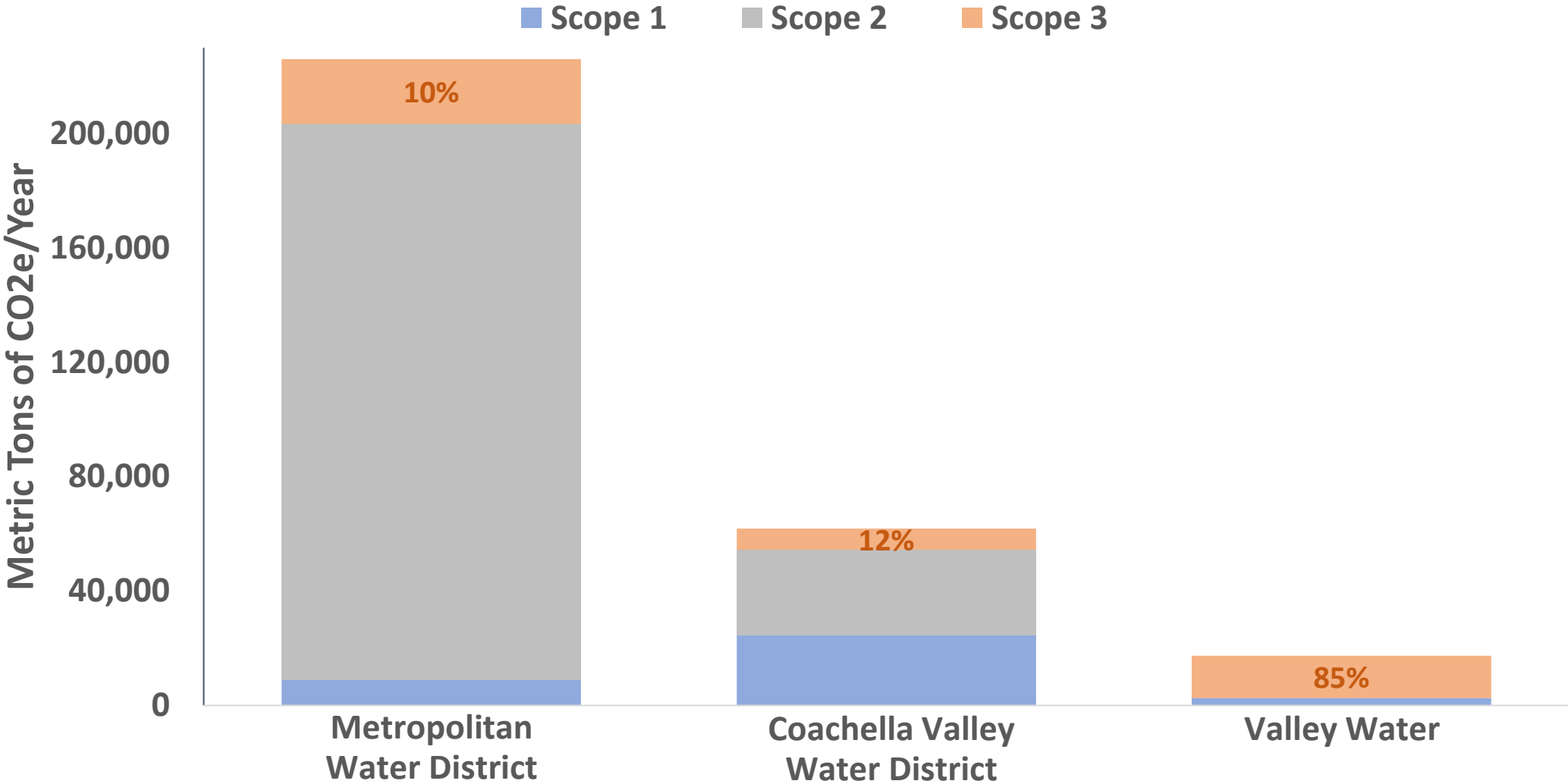
SCOPE 2

- <1% FACILITY ELECTRICITY USE

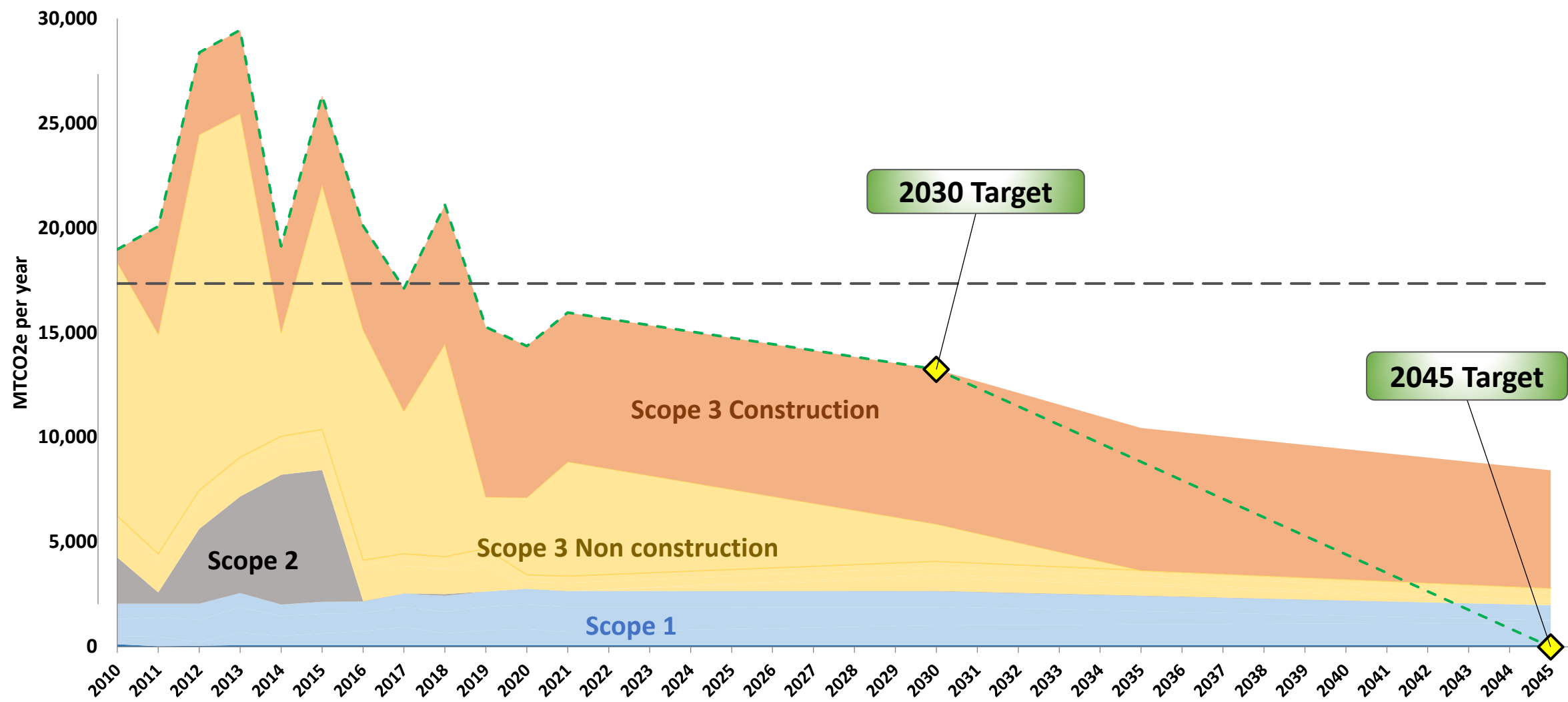
SCOPE 3

- 40% CONSTRUCTION
- 33% IMPORTED WATER
- 7% EMPLOYEE COMMUTE
- 2% WASTEWATER
- 1% BUSINESS TRAVEL
- 1% SOLID WASTE
- <1% SEDIMENT HAULING

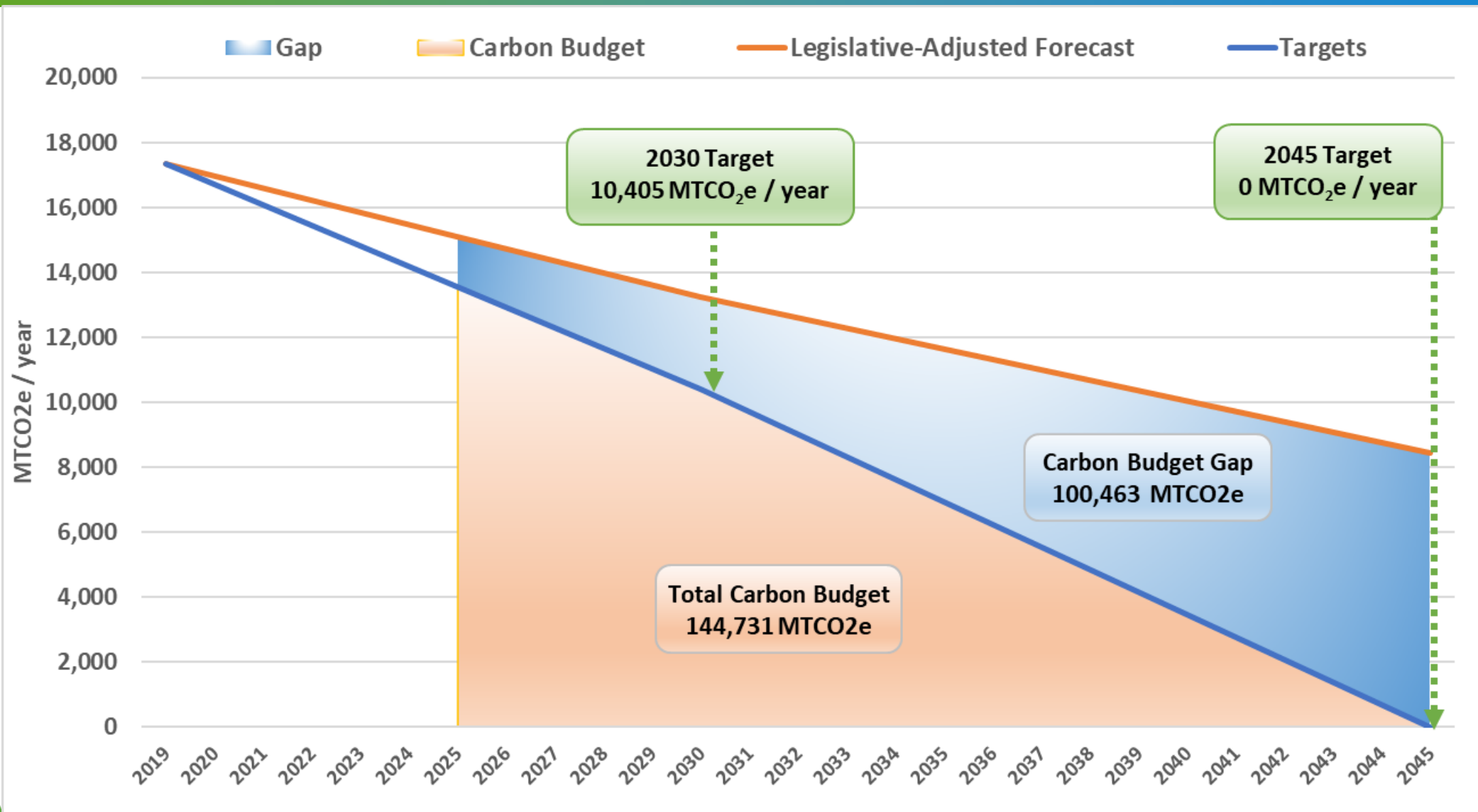
C. Scope 3 GHG Emissions Peer Comparison



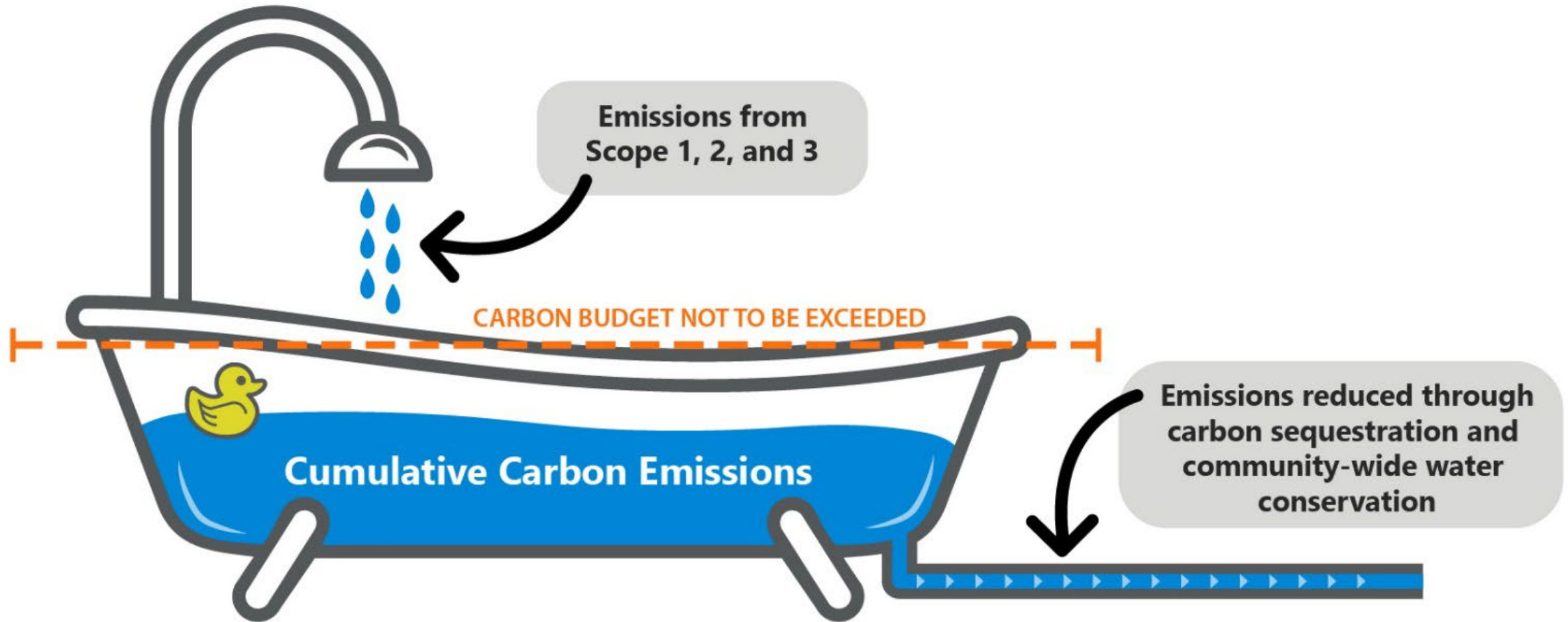
C. Construction Emissions Inventory and Forecast



D. GHG Emission Target Setting



D. Carbon Budget Concept



D. Reduction Measures for Construction Emissions

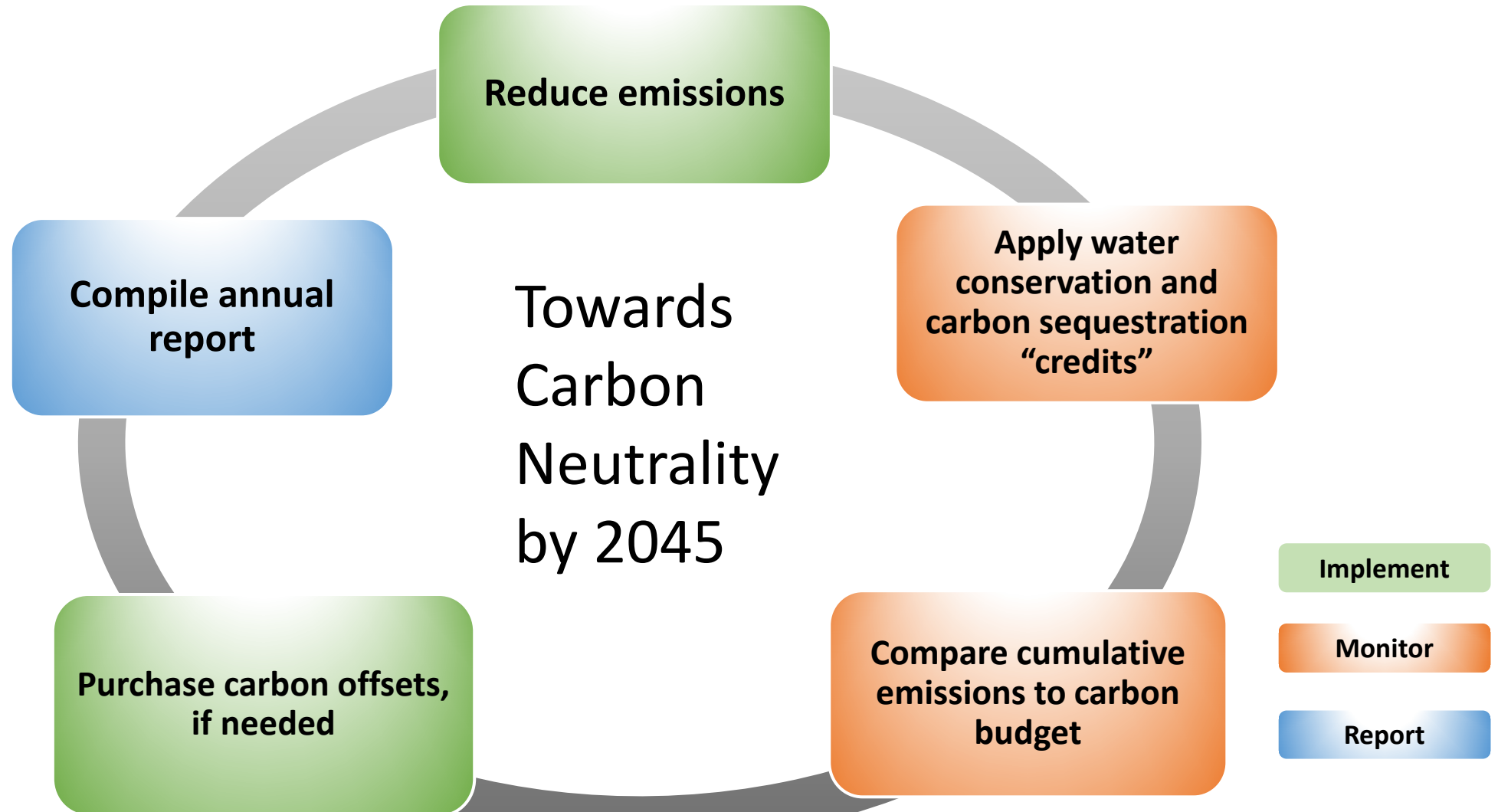
Measure Name	Measure Description
Zero Carbon Off-road Construction Equipment	For all contracted construction projects, require the use of zero-emission fuels (e.g., electricity, renewable diesel, biodiesel, hydrogen) instead of conventional diesel in 17% of offroad construction equipment fuel use in equipment greater than 25 hp by 2030, and 45% by 2045 regardless of the engine tier.
Zero Carbon On-road Construction Vehicles	For all contracted construction projects, require the use of zero-emission fuels (e.g., electricity, renewable diesel, biodiesel, hydrogen) instead of conventional fuel in 35% of on-road construction vehicle fuel use by 2030, and 95% by 2045.
Carbon Sequestration	Sequester carbon in habitat enhancement and revegetation projects. Collaborate with regional conservation agencies to identify projects that are beyond project mitigation.

D. Carbon Sequestration Reduction Measure

Sample Implementation of Valley Water Carbon Sequestration Efforts

Carbon Sequestration Action	MTCO ₂ e Sequestered per Unit Per Year	Units Applied by Year		Carbon Sequestration Potential (MTCO ₂ e/year)
		2030	2045	
Establish Riparian Forest Buffers	1.8 MTCO ₂ e per acre	0 Acres	230 Acres	407
Tree Planting	0.00204 MTCO ₂ e per tree planted	0 Trees Planted	8,500 Trees Planted	9
Salt Marsh Restoration	3.0 MTCO ₂ e per Acre	0 Acres	405 Acres	1,224
Total CO ₂ Sequestration Potential (MTCO ₂ e/year)				1,640

D. Emission Reduction Framework



E. Next Steps

- Provide updates to the Board Planning and Monitoring Committee
- Complete the GHG Reduction Plan and CEQA Process
- Develop internal Carbon Sequestration Registry, seek partners
- Implement the GHG Reduction Program
- Track emissions, provide updates, adjust as needed



Santa Clara Valley Water District

File No.: 24-0664

Agenda Date: 8/19/2024

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:

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

RECOMMENDATION:

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

SUMMARY:

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

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

ENVIRONMENTAL JUSTICE AND EQUITY IMPACT:

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

ATTACHMENTS:

Attachment 1: Design and Permitting Report

UNCLASSIFIED MANAGER:

Bhavani Yerrapotu, 408-630-2735

Emmanuel Aryee, 408-630-3074

Ryan McCarter, 408-630-2983

Capital Project Monitoring Report - August 2024

Design and Permitting Phase							
Row	Project No.	Project Name	Notes, Upcoming Board Actions or potential issues	Deputy's Initials	Planned CM Services		
					Internal	External	Combination
Water Supply							
1	91234002	Coyote Pumping Plant ASD Replacement	The 90% design was completed in January 2024, and the 100% design is scheduled to be completed in October 2024. Staff received a revised guaranteed maximum price (GMP) for the Phase 2 agreement submitted by the Design-Builder and is negotiating the GMP for construction. Staff is planning to take the Amendment with the revised GMP to the Board in September.	EA			X
2	95084002	10-Yr Pipeline Inspection & Rehabilitation (West Pipeline)	The final design for Phase 1 was in July 2024, and staff plans to recommend the board approve bid advertisement at the August 27, 2024 Board meeting.	EA	X		
3	92304001	Almaden Valley Pipeline Replacement	The 60% design was completed in June 2024. The 90% design has started and is expected to be completed in late 2024.	EA	X		
4	26764001	IRP2 Additional Line Valves (A3)	The design of all four valves is complete. Construction activities on the first line valve are proceeding on the 10-Yr Pipeline Inspection & Rehabilitation Project (Snell Pipeline), which began in August 2023. Due to material lead times, the Snell Pipeline Line Valve construction is anticipated to be completed in 2027. The remaining three line valves will be installed by 2028.	EA	X		
5	92144001	Pacheco/Santa Clara Conduit Right-of-Way Acquisition	Permits to construct driveways, gravel, and gates are expected to be secured by October 2024.	EA	X		
6	94084007	Treated Water Isolation Valves	The 90% design is scheduled to be completed in August 2024.	EA	X		
7	92264001	Vasona Pump Station Upgrade	Staff and the environmental services consultant are addressing comments on the greenhouse gas and air quality technical memos and Mitigated Negative Declaration (MND) sections. They are also evaluating the availability of in-house subject matter experts to lead the electrical and mechanical design.	EA			X
8	93234044	Penitencia WTP Residuals Management	The 75% design was completed in June 2024. The 90% design has been received from the design consultant and is scheduled for staff review in August 2024.	EA	X		
9	93084004	Water Treatment Plant Electrical Improvement	On March 26, 2024, the Board approved a standard consultant agreement with Kennedy/Jenks Consultants, Inc., to provide design services for a not-to-exceed fee of \$1,227,923. The design consultant will complete the 90% and final design. The project is currently on hold due to staffing resources.	EA	X		
10	91094001	Land Rights - South County Recycled Water Pipeline	Work is underway to determine the location of the pipeline. The CADD documentation of the entire pipeline location is expected to be completed by Fall 2024.	EA	N/A		
11	91854003	Almaden Calero Canal Rehabilitation	The project design scope elements memo and project base map have been completed. The hydraulic capacity modeling of the canal, the design criteria memo, and geological assessment memo has been submitted for staff review. The environmental work, field investigation plans, and environmental strategy plan have been completed, and work on the Wetland Delineation Report is in progress.	EA	TBD		
12	91854001	Almaden Dam Improvement Project	The project is currently on hold. Design is expected to commence in April 2025. Environmental documentation and permitting acquisition work will also commence in 2025. Construction is scheduled to begin in 2030.	RM			X

13	91874004	Calero Dam Seismic Retrofit Project - Design & Construction	<p>The agreement for consultant design services with Stantec was approved by the Board of Directors on February 27, 2024. The consultant has completed preliminary tasks (e.g., work plans, plans for geotechnical investigations, field surveys). A kick-off meeting with the Division of Safety of Dams (DSOD) was held on June 13, 2024. Geotechnical investigations will commence in September 2024. The consultant continues to evaluate expedited project delivery through phased construction and other methods that would allow Valley Water to retain water in the reservoir during construction. Additionally, work is underway to identify the required environmental studies and modeling necessary to support the environmental planning compliance efforts. A milestone schedule for environmental planning and regulatory compliance for the project is being developed to provide during outreach to applicable regulatory agencies to plan the review and approval process.</p>	RM	X
14	91894002	Guadalupe Dam Seismic Retrofit - Design & Construct	<p>Preliminary 90% design documentation was submitted by design consultant, GEI Consultants, in December 2020. Currently, staff is studying the feasibility of expediting project delivery through redesign of some project elements for early delivery and construction. Staff is also evaluating the feasibility of phased construction and other construction methods that would allow Valley Water to retain water in the reservoir during construction. Geotechnical field investigations are planned to continue through August 2024. Work is also underway to identify required environmental studies and modeling necessary to support the environmental planning compliance efforts. A milestone schedule for the environmental planning and regulatory compliance for the project is being developed to provide during outreach to applicable regulatory agencies to plan the review and approval process. Work is also underway conducting environmental studies and preparing environmental documentation and planning for outreach to regulatory agencies for permitting.</p>	RM	X
15	91954002	Pacheco Reservoir Expansion	<p>Staff and the consultant team are continuing to work on addressing the Draft Environmental Impact Report (EIR) comments and developing the Final EIR/Environmental Impact Statement (EIS) document. They are also progressing on the 60% design and have started additional environmental field investigations, which will continue into late 2024. The geotechnical field investigations were paused in May 2023 in response to a court order. However, the team has completed the additional California Environmental Quality Act (CEQA) Review and released the draft Initial Study/Mitigated Negative Declaration (IS/MND) in June 2024. The public comment period ended July 19, 2024. Staff plans to finalize the IS/MND in August 2024 and resume the geotechnical field investigations shortly thereafter. The Project team presented a quarterly update on project costs to the Board’s Water Supply and Demand Management (WSDM) Committee on May 17, 2024, and to the Board of Directors on June 11, 2024. The next quarterly update, which will discuss requirements unique to the project, will be presented to the WSDM Committee on August 26, 2024, and to the Board of Directors in October 2024.</p>	RM	X
16	91864005	Anderson Dam Seismic Retrofit (C1: Fund Transfer KPI)	<p>Comments from the Federal Energy Regulatory Commission (FERC) and the Board of Consultants (BOC) have been provided for 90% design documents transmitted in March 2023, ahead of BOC Meeting No. 17. Review comments on the majority of the 90% design documents were received from DSOD in June 2024. The Draft EIR for the Anderson Dam Seismic Retrofit Project (ADSRP) was released for public review in September 2023. Due to certain changes in the planned construction, Valley Water plans to partially recirculate the Draft EIR’s updated project description, air quality, greenhouse gas emissions, noise and vibration, and aesthetics sections for additional public comment before finalizing the document. Valley Water released the partially recirculated Draft EIR in early August 2024 for a 45-day public review period. Valley Water is working with FERC, the United States Army Corps of Engineers (USACE), and the United States Environmental Protection Agency to ensure National Environmental Policy Act (NEPA) coordination among federal agencies engaged with the project. The Final EIR, appropriate NEPA documentation, and natural resource agency permitting is targeted for completion by summer 2025. The petition to surrender the hydroelectric plant at Anderson Dam was submitted to FERC on February 20, 2024. Award of the construction contract is scheduled for late 2025/early 2026 for start of construction in 2026. Construction is scheduled to be completed in 2032.</p>	RM	X

Flood Protection						
17	26174043	Coyote Creek Flood Protection Project, Montague Expressway to Tully Road (E1)	Staff is working on 90% design, right-of-way acquisition, and California Environmental Quality Act (CEQA)-related documentation for the Coyote Creek Flood Protection Project (CCFPP). Staff anticipates completing the 90% design in August 2024 and the final design in November 2024. The Draft EIR was released for public comments on July 12, 2024 with a public meeting held on July 25, 2024. The final EIR will be recommended for Board certification at the end of 2024. CCFPP construction is anticipated to start in early to mid-2025.	BY		X
18	00044026	San Francisco Bay Shoreline, EIA 11 - Alviso Slough to Coyote Creek	The USACE’s Value Engineering study of Reaches 4-5 is ongoing, and recommendations are forthcoming. The design of Reaches 4-5 is on hold pending the study's outcome. USACE is working with Valley Water and San Jose Regional Wastewater Facility (RWF) to gather information to help evaluate various alternative alignments for Reaches 4-5. As part of this effort, Valley Water continues to work with the City of San Jose to identify proposals for cost savings, specifically on options to pay for Pond A-18 by securing mitigation credits for RWF in lieu of cash.	BY	N/A	USACE construction
19	26324001	Upper Penitencia Creek, Coyote Creek to Dorel Drive (E4)	Staff is working on Phase I (Coyote Creek confluence to King Road) design development and pursuing rights of way needed for the project. Staff is also developing a request for proposal to procure design and environmental consultant services for the project.	BY	TBD	
20	26074002	Sunnyvale East and West Channels (E2)	Staff received direction from the Board of Directors in January 2023 to construct the Sunnyvale West Channel as Phase 1 and the Sunnyvale East Channel as Phase 2 due to available funding. Staff continues to update the environmental impacts mapping as requested by the resource agencies and will resubmit the permit applications with the response to agency comments incorporated. Permits are anticipated to be acquired in early 2025. Plans and specifications continue to be developed with additional survey and field information incorporated and will be finalized with the inclusion of any permit conditions into the contract documents.	BY	X	
21	26174051 26174052 26174054 26174055	Upper Llagas Creek, Phase 2B (E6) (Portion of Reach 8, and Reaches 6, 7B, and 14)	On August 17, 2021, the National Resource Conservation Service (NRCS) of the U.S. Department of Agriculture notified Valley Water of committed funding to construct Phase 2B. The funding amount available is currently \$80M. On July 9, 2024, Valley Water received the NRCS Notice of Grant and Agreement Award for Valley Water and signature. The Phase 2B design is complete, with construction advertisement for bids occurring on May 14, 2024. Construction bids were open on June 26, 2024, where the apparent low bid was \$129,184,180 by Granite Rock Company. The award of the Phase 2B construction contract will be considered by the Board of Directors at the August 13, 2024 hearing.	BY		X (2B-TBD)
22	26284002	San Francisquito Creek – S.F. Bay to MiddleField Road (E5),	<p>The project is led by the San Francisquito Creek Joint Powers Authority (SFCJPA), and Valley Water is one of the five member agencies. The San Francisquito Creek Project consists of four distinct subprojects in various design stages. SFCJPA executed a master consultant service agreement in the spring of 2024 to reevaluate the EIR alternatives and reaffirm the preferred project alternative in response to the observations made during the 2022 New Year’s Eve flood.</p> <p>The City of Palo Alto leads the design and construction of Newell Road Bridge, one of the four subprojects. Valley Water's role as a member agency of SFCJPA is to provide technical review and funding for the Newell Road Bridge project. The City of Palo Alto secured Caltrans Highway Bridge Program funding for design and construction. The City of Palo Alto is planning on advertising the Newell Road Bridge for construction in the fall of 2024 and starting construction in the spring of 2025.</p>	BY		X

			Under this Program’s plan for 2024, six projects are in various stages of design:		
23	62084001	Small Capital Improvements, Watershed Asset Rehabilitation Program (WARP)	<ul style="list-style-type: none"> • U-Frame wall repairs on Permanente and Hale Creeks - staff is currently working on 90% design and anticipates completing the final design by October 2024. Construction is planned for summer 2025. • Erosion repair on Coyote Creek at Julian Street adjacent to San Jose High School - staff is working on the 60% design and is currently awaiting the outcome of cost sharing negotiations to continue design. • Slope and bank repair on Guadalupe River at Malone Road and Blossom Hill Road - staff is currently working on the 90% design documents. Both sites will require CEQA analysis and determination and permits for construction. Construction is planned for summer 2025. • Llagas Creek levee rehabilitation between Bloomfield Avenue and the confluence with Pajaro River in Gilroy - Operations staff conducted vegetation removal in November 2023, and this work has increased flow capacity in the creek; staff determined that this project can be deferred. • Evelyn Fish Passage Project on Stevens Creek is in 90% Design and planned for Final Design by February 2025. This project restores a 2015 fish passage project that washed out in the 2017 storms. Completion of this project is a requirement to secure the Stream Maintenance Program (SMP3) permit that is currently in negotiation with the agencies. Construction is planned for summer 2025. • South Babb Creek Flood Mitigation Protection Project is at 90% design. The final design is expected to be completed by November 2024. This project will reduce localized inundation by constructing stormwater conveyance improvements. The project does not require any new environmental permits. An addendum to the Lower Silver Creek Environmental Impact Report will be prepared to cover CEQA requirements. The project is scheduled to be constructed in the summer of 2025. 	BY	X
			In January 2021, the USACE began a General Reevaluation Study for the entire project, including reevaluating the project's alternatives and benefit-cost-ratio, to make the project more competitive for federal funding. On September 9, 2022, USACE presented the Tentatively Selected Plan, and staff reviewed and supported it. USACE provided a draft Environmental Assessment (EA)/Feasibility Report for Valley Water review on October 3, 2022. On March 9, 2023, USACE held their Agency Decision Milestone meeting where Valley Water further supported the Combination Plan as the selected plan for the General Reevaluation Report. USACE started the optimization and refinement of the Selected Plan which is anticipated to be complete by fall 2024. The General Reevaluation Report is scheduled for completion by June 2025.	BY	N/A
					USACE construction
			Phase 1 is a seismic retrofit and rehabilitation of the existing tide gate structure to strengthen and extend its service life. The 90% design was completed in April 2024. On June 25, 2024, staff presented the project as a discussion item at the Palo Alto Parks and Recreation Commission (PRC) regular meeting. Staff is working to complete the CEQA Addendum process by mid-August 2024 and obtain regulatory permits by late fall 2024. Once the CEQA Addendum has been finalized, staff plans to return to the Palo Alto PRC regular meeting at the end of August 2024 to present the project and seek PRC recommendation to the full City Council to adopt the Park Improvement Ordinance (PIO), which is necessary to develop the project. Staff is organizing an information-only public meeting for fall 2024 to provide a project update to the public. The 100% design is expected to be completed by the end of 2024. Construction is anticipated to start in September 2025 and be completed by January 2026.	BY	X
			Phase 2 is the long-term replacement of the Palo Alto Tide Gate structure, which would need to be coordinated with broader seal level rise and shoreline protection efforts for this area.		
24	26154003	Guadalupe River-Upper, SPRR to Blossom Hill Road - Reaches 7-12 (E8)		BY	N/A
25	10394001	Palo Alto Flood Basin Tide Gate Structure Replacement		BY	X

26	30154019	Lower Guadalupe River Capacity Restoration	The design phase for this project began in July 2024. Staff is currently drafting a scope of services for design and environmental review consultant services.	BY	TBD
<u>Water Resources Stewardship</u>					
No projects to report at this time.					
<u>Buildings & IT</u>					
27	60204032	Headquarters Operations Building	The Project team has worked with a consultant on a report that analyzed strategies for the Maintenance Building. Each strategy detailed optional methods for renovating the building to meet the current needs for space and other operational functions. Included in this report were schedule impacts and a rough order of magnitude cost analysis for each strategy. Staff collaborated with management to evaluate the strategies presented in the report and presented a staff-recommended alternative to the CIP committee for input at the February 26, 2024 meeting. The Project team is progressing with developing detailed plans and specifications for the staff-recommended alternative.	TN	X

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Santa Clara Valley Water District

File No.: 24-0659

Agenda Date: 8/19/2024

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 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 #38) to present to the CIP Committee. The estimated value of CCO #38 is \$3,839,513.30. Two attachments, providing information on construction contract change orders (Attachment 1) and construction contract financials (Attachment 2), are included for reference.

Contract Change Order #38

1. **3.75 to 1 Slope Erosion Control** - Hydroseeding of the 3.75 to 1 slope above the Diversion Tunnel Portal did not successfully take root due to unfavorable soil conditions. Therefore, alternative erosion control options were investigated, and it was determined that the cost-effective solution is to install a soil stabilizer, Flexterra Flexible Growth Medium, on the 3.75 to 1 slope to effectively provide erosion control above the Diversion Tunnel Portal. This portion of the change is estimated to be valued at \$39,792.00.
2. **Bid Item 5c (18.5-foot Diameter Tunnel Excavation - Class 5) Overrun Unit Price Adjustment** - The original contract quantity for Bid Item 5c was set at 70 linear feet for excavation of Class 5 ground, but the actual quantity for Class 5 encountered in the Diversion Tunnel at the completion of the work was 208 linear feet, an increase of 138 linear feet. Previous change orders (CCO-012 and CCO-014) extended Bid Item 5c to 208 linear feet at the original bid unit price of \$18,000.00 per linear foot.

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

The Contractor requested a unit price adjustment for 120 linear feet (of the additional 138 linear feet). A renegotiated unit price of \$25,719.67 per linear foot was established after the Contractor demonstrated the total actual incurred cost for the completed work. This results in an increase of \$7,715.12 per linear foot over the original Bid unit price of \$18,000.00 for 120

feet. Thus, this portion of the change is valued at \$926,360.30.

- 3. Drilling Program Plan 09 Phase 1** - Valley Water issued Contract Document Clarification (CDC) 049 for the Drilling Program Plan 09 (DPP 09) to evaluate potential faulting and determine geological characteristics near the toe of the dam, transition zone, and spillway. The new drilling and exploration program includes four exploration trenches (T9, T10, T12, T13) that the Contractor will excavate and backfill. Trenches T9, T12, and T13 are included in Phase 1 Trenching (*as part of this Change Order Item*). Trench T10 will be handled in a separate change order during phase 2 of trenching. An allowance budget has been established for Phase 1, and this portion of the change is valued at \$50,000.00.

24-in, 96-in, and 156-in Pipe Extension Material Cost - Valley Water has issued CDC 048 to replace parts of the final concrete lining in the tunnel with steel pipes and Lightweight Cellular Concrete (LCC) backfill to mitigate schedule risk and cost impacts for the future Anderson Dam Seismic Retrofit Project (ADSRP). ADSRP will construct a Stage 2 diversion system which involves demolishing part of the Stage 1 diversion system being constructed as part of ADTP. Therefore, this Change Order eliminates the need to demolish through reinforced concrete lining and articulated segments during ADSRP which will reduce the schedule duration during the critical construction sequence of connecting the future Stage 2 to the Stage 1 diversion system. Additionally, implementing these changes is expected to save both time and cost by simplifying the future connections into the Microtunnel Boring Machine (MTBM) Operation Chamber and the Transition Zone during ADSRP.

This Change Order involves extending the existing steel pipes in the MTBM Operation Chamber and the Transition Zone. In addition, the space between the initial tunnel lining and the extended pipes will be filled with LCC. Specifically, 74 feet of tunnel concrete lining in the Transition Zone and 122 feet of final lining in the MTBM zone will be replaced with 156-inch and 96-inch diameter steel pipes, respectively. Furthermore, as a result of backfilling with LCC, 80 feet of 24-inch air vent piping will also be extended and installed in the MTBM Operation Chamber to allow the air vent system to function properly.

This change only compensates the Contractor for the cost of the steel pipe material needed for the extension work per CDC 048. Forthcoming changes related to CDC 048 will be executed separately and include costs associated with installing the steel pipe and LCC placement and credits associated with the deleted final lining in the MTBM Operation Chamber and the Transition Zone, where steel pipe extensions are being installed. The steel pipe material costs have been verified and staff finds the cost reasonable. This portion of the change is valued at \$2,823,361.00.

ENVIRONMENTAL JUSTICE AND EQUITY IMPACT:

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

ATTACHMENTS:

Attachment A: Government Code §84308

Attachment 1: Construction Contract Change Orders Status

Attachment 2: Construction Contract Financial Status

UNCLASSIFIED MANAGER:

Ryan McCarter, 408-630-2983

Attachment A – Gov. Code § 84308

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

List of Parties and Their Agents/Representatives Known to Staff

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

List of Participants and Their Agents/Representatives Known to Staff

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

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

CCO #	CIP Committee Date	Approval Date	Description	Amount	Contingency Amount	Approval Level	Status
		4/27/2021	Original Contract	\$161,140,321.00	\$40,000,000.00	Board	
1	1/18/2022	12/16/2021	Additional Tree Removal, Protection and Relocation	\$460,250.41	\$39,539,749.59	DOO	Approved
2	2/14/2022	4/26/2022	Outlet Works Vertical Shaft Re-sizing	\$3,783,119.15	\$35,756,630.44	CEO	Approved
3	5/16/2022	5/17/2022	Water Quality Monitoring Equipment, Miscellaneous demolition, TCEAP VHF/UHF Radios	\$131,603.28	\$35,625,027.16	AOO	Approved
4	6/13/2022	6/30/2022	Tunnel and Miscellaneous Items from CDC-001/001.1, Remove Taber Drilling from Scope	\$386,801.98	\$35,238,225.18	DOO	Approved
5	6/13/2022	6/30/2022	Upsizing Soil Nail Rows D&E from #18 to #20	\$228,562.00	\$35,009,663.18	DOO	Approved
6	7/18/2022	8/6/2022	Increased Quantity of Diversion Portal Excavation, Assistance with Geological Investigations, Internet access to Trailer # 2, and Change of Infill material for High Level Outlet Works (HLOW) Shaft	\$63,063.32	\$34,946,599.86	UM	Approved
7	9/26/2022	10/31/2022	DOS Foundation Excavation - Revised Soil Nail Wall, and Additional Environmental Compliance for Water Quality Monitoring and Soil Testing	\$1,526,724.84	\$33,419,875.02	ACEO	Approved
8	10/18/2022	10/26/2022	Disposal of Regulated and Organic Material	\$80,000.00	\$33,339,875.02	UM	Approved
9	11/14/2022	11/18/2022	3-D Modeling of HLOW Shaft	\$101,101.00	\$33,238,774.02	AOO	Approved
10	12/12/2022	12/19/2022	Monitoring of Additional Piezometer, Supplementary Support for the Transition Zone, DOS Portal Conditions, Partnering	\$1,971,946.48	\$31,266,827.54	ACEO	Approved
11	2/13/2023	12/19/2022	Time Related Overhead Time Impact Analysis 002	\$2,515,330.18	\$28,751,497.36	CEO	Approved
12	2/13/2023	1/19/2023	Increased Quantity of Diversion Tunnel Excavation Class 5	\$1,800,000.00	\$26,951,497.36	ACEO	Approved
13	2/13/2023	2/24/2023	Diversion Outlet Structure (DOS) Energy Dissipation Chamber Grated Access Opening	\$26,000.00	\$26,925,497.36	UM	Approved
14	3/20/2023	4/03/2023	Increased Quantity for 18.5 Foot Diameter Tunnel Excavation Class 5, Increased Quantity for Bid Item No. 2h, 2i, 2j, 2k. Decreased Quantity for Bid Item No. 5a and 5b.	\$156,000.00	\$26,769,497.36	AOO	Approved
15	3/20/2023	4/18/2023	Diversion Outlet Structure CLSM Saturday Premium Time, Diversion Portal Soil Nail Wall Condition	\$436,753.65	\$26,332,743.71	DOO	Approved
16	4/10/2023	5/12/2023	Surge Protection Device for Main Switchgear, CDC 015 Water Quality Instrumentation, Tree Trimming for Pacific Gas & Electric Pole Relocation	\$84,200.00	\$26,248,543.71	AOO	Approved
17	4/10/2023	5/12/2023	Increased Bid Item No. 11A Allowance - Other Wildlife and Fish Species, Specification Section 19.09	\$145,080.00	\$26,103,463.71	AOO	Approved
18	5/15/2023	5/30/2023	Traffic Support for Press Event	\$2,023.00	\$26,101,440.71	AOO	Approved
19	6/30/2023	5/25/2023	Increase Bid Item No. 5x Tunnel Excavation in Transition Zone - Class 5	\$994,500.00	\$25,106,940.71	ACEO	Approved
20	6/30/2023	8/10/2023	18" Hydro Return Line Decommissioning, Low Level Outlet Tunnel Steel Sets Enlargement, DPP8 Boring Survey Assistance, Air Vent Pipe Procurement, CDC 007.3 North Channel FWI Scope 2023, CDC 007.3 North Channel DTDS Scope 2023.	\$1,175,413.01	\$23,931,527.70	ACEO	Approved
21	6/30/2023	7/26/2023	Time Related Overhead Time Impact Analysis 003	\$884,042.66	\$23,047,485.04	ACEO	Approved
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
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	\$19,134,891.33	UM	Approved

New CCOs for CIP Committee

Pending CCO #	CIP Committee Date	Approval Date	Description	Amount	Contingency Amount	Approval Level	Status
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-ft Pipe Extension Material Cost	\$3,839,513.30	\$15,295,378.03	CEO	Pending

Total COs Approved	38	Total	\$20,865,108.67	\$19,134,891.33			
Total COs Pending	1	Total	\$3,839,513.30	\$15,295,378.03			

Total Number of COs (Approved & Pending)	Total Amount of COs (Approved & Pending)
39	\$24,704,621.97

Anderson Dam Tunnel Project - Construction Contract Financials

Bid Item No.	Description	Amount	Balance Remaining	Billing Through June 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	\$ 402,657.78	93%	\$ 5,310,342.22
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	\$ 23,926,756.29	50%	\$ 23,511,568.71
6	SHAFT EXCAVATION AND LINING	\$ 10,100,000.00	\$ 4,336,360.00	57%	\$ 5,763,640.00
7	MICROTUNNEL	\$ 9,982,000.00	\$ 8,336,500.00	16%	\$ 1,645,500.00
8	DIVERSION OUTLET STRUCTURE	\$ 48,678,550.00	\$ 30,637,865.31	37%	\$ 18,040,684.69
9	COYOTE CREEK MODIFICATIONS	\$ 6,421,550.00	\$ 29,800.00	100%	\$ 6,391,750.00
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	\$ 73,141,108.20	55%	\$ 87,999,212.80

CCOs	Description	Amount	Balance Remaining	Billing Through June 2024*	
				Percent (%)	Amount
CCO 1-33, 35	CONTRACT CHANGE ORDERS (CCO)	\$ 33,053,064.67	\$ 14,407,365.41	56%	\$ 18,645,699.26
		Total Contract Amount Including CCOs	Total Balance Remaining Including CCOs	Total Percent (%) Billed Including CCOs	Total Billed Including CCOs
		\$ 194,193,385.67	\$ 87,548,473.61	55%	\$ 106,644,912.06

*June invoice is still under review and the values may vary once it is finalized

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Santa Clara Valley Water District

File No.: 24-0651

Agenda Date: 8/19/2024

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:

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	X			X			X			X		
Design/Permitting		X			X			X			X	
Construction	X		X			X			X			X
Environmental Permit Compliance (Post Construction)						X						
CIP Implementation												
Construction Contractor Compliance		X										
Headquarters Operations Building Planning		X										
Construction Activities Carbon Footprint								X				
Master Plan/Implementation Projects				X	X						X	
Dam Safety Program Strategy						X						
Almaden Valley Pipeline Replacement							X					
Anderson Dam Seismic Retrofit Project Procurement Plan									X			
10-Year Pipeline Inspection and Rehabilitation Project												
RWTP Reliability Improvement Project Neighborhood Outreach												
CIP Development												
Water Supply Capital Workshop									X			
CIP Development Process												
• Annual CIP Development Process, Integrated Financial Planning, and Review of CIP FY2025-29 Five-Year Plan Projects by Category									X			
• Schedule and Review of Initially Validated and Unfunded Projects										X		
Preliminary CIP 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
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
Minutes	X	X	X	X	X	X	X	X	X	X	X	X
Annual Election of Committee Officer					X							

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