March 14, 2023

MEETING NOTICE

SANTA CLARA VALLEY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM COMMITTEE

Members of the Capital Improvement Program Committee:

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

Staff Support of the Capital Improvement Program Committee:

  Rick L. Callender, Esq., Chief Executive Officer
  Melanie Richardson, Asst. Chief Executive Officer
  Christopher Hakes, Acting Asst. Chief Executive Officer
  Darin Taylor, Chief Financial Officer
  Aaron Baker, Chief Operating Officer – Water Utility
  Rechelle Blank, Chief Operating Officer – Watersheds
  Bhavani Yerrapotu, Interim Chief Operating Officer - Watersheds
  Rachael Gibson, Chief of External Affairs
  Tina Yoke, Chief Administrative Officer
  Leslie Orta, Senior Assistant District Counsel
  Audrey Beaman, Assistant District Counsel
  Sam Bogale, Deputy Operating Officer
  Tony Ndah, Deputy Administrative Officer
  Don Rocha, Deputy Administrative Officer
  Michael Cook, Deputy Administrative Officer
  John Bourgeois, Deputy Operating Officer
  Jennifer Codianne, Deputy Operating Officer
  Emmanuel Aryee, Deputy Operating Officer
  Vincent Gin, Deputy Operating Officer
  Gregory Williams, Deputy Operating Officer
  Patrice McElroy, Deputy Administrative Officer
  Kirsten Struve, Assistant Officer
  Lisa Bankosh, Assistant Officer
  Alex Gordon, Assistant Officer
  Bryant Welch, Labor Relations Officer
  David Montenegro, Principal Construction Contracts Administrator
  Erin Baker, Asset Management Manager
  Charlene Sun, Treasure & Debt Manager
  Jessica Collins, Business Planning and Analysis Unit Manager
  Enrique De Anda, Budget Manager
  Jennifer Martin, Program Administrator
  Conception Gayotin, Purchasing & Contracts Manager
  Linh Hoang, Communications Manager
  Jill Bernhard, Acting System Development & Support Manager
  Sarah Berning, Program Administrator
  Phyllis Chen, Senior Management Analyst
  Alison Phagan, Senior Management Analyst
  Stacy Klopfer, Senior Management Analyst
  Agnes Lee, Senior Management Analyst
  Chenlei Yao, Senior Management Analyst
  Feliser Lee, Senior Management Analyst
  Timothy Chan, Management Analyst II
  Kristie Resendez, Management Analyst II
  Odilia Leonardo, Staff Analyst

A Santa Clara Valley Water District special Capital Improvement Program Committee meeting has been scheduled to occur at 11:30 a.m. on Monday, March 20, 2023 in the Headquarters Building Boardroom located at the Santa Clara Valley Water District, 5700 Almaden, San Jose, CA.

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

The meeting agenda and corresponding materials are located on the Committee’s website at: https://www.valleywater.org/how-we-operate/committees/board-committees.
Santa Clara Valley Water District
Capital Improvement Program Committee Meeting

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

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

SPECIAL MEETING AGENDA

Monday, March 20, 2023
11:30 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

COMMITTEE CLERK:
Eva Marie Sans
Assistant Deputy Clerk II
408-265-2306
esans@valleywater.org
www.valleywater.org

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, March 20, 2023
Headquarters Building Boardroom
5700 Almaden Expressway, San Jose, CA 95118

11:30 AM

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

***IMPORTANT NOTICES AND PARTICIPATION INSTRUCTIONS***

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

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

In accordance with the requirements of Gov. Code Section 54954.3(a), members of the public wishing to address the Board/Committee at a video conferenced meeting, during public comment or on any item listed on the agenda, should use the “Raise Hand” tool located in the Zoom meeting link listed on the agenda, at the time the item is called. Speakers will be acknowledged by the Board Chair in the order requests are received and granted speaking access to address the Board.

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

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

This agenda has been prepared as required by the applicable laws of the State of California, including but not limited to, Government Code Sections 54950 et. seq. and has
This agenda has been prepared as required by the applicable laws of the State of California, including but not limited to, Government Code Sections 54950 et. seq. and has not been prepared with a view to informing an investment decision in any of Valley Water’s bonds, notes or other obligations. Any projections, plans or other forward-looking statements included in the information in this agenda are subject to a variety of uncertainties that could cause any actual plans or results to differ materially from any such statement. The information herein is not intended to be used by investors or potential investors in considering the purchase or sale of Valley Water’s bonds, notes or other obligations and investors and potential investors should rely only on information filed by Valley Water on the Municipal Securities Rulemaking Board’s Electronic Municipal Market Access System for municipal securities disclosures and Valley Water’s Investor Relations website, maintained on the World Wide Web at https://emm.a.msrb.org/ and https://www.valleywater.org/how-we-operate/financebudget/investor-relations, respectively.

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

Join Zoom Meeting:  
https://valleywater.zoom.us/j/94158013374  
Meeting ID: 941 5801 3374  
Join by Phone:  
1 (669) 900-9128, 94158013374#

1. CALL TO ORDER:  
   1.1. Roll Call.

2. TIME OPEN FOR PUBLIC COMMENT ON ANY ITEM NOT ON THE AGENDA.  
   Notice to the Public: Members of the public who wish to address the Committee on any item not listed on the agenda should access the "Raise Hand" tool located in Zoom meeting link listed on the agenda. Speakers will be acknowledged by the Committee Chair in order requests are received and granted speaking access to address the Committee. Speakers comments should be limited to three minutes or as set by the Chair. The law does not permit Committee action on, or extended discussion of, any item not on the agenda except under special circumstances. If 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 Committee may take action on any item of business appearing on the posted agenda.

3. APPROVAL OF MINUTES:
3.1. Approval of February 13, 2023 Capital Improvement Program Committee Minutes.  
Recommendation: Approve the minutes.  
Manager: Candice Kwok-Smith, 408-630-3193  
Attachments:  
Est. Staff Time: 5 Minutes

4. REGULAR AGENDA:  

Recommendation: Receive and discuss information regarding the status of capital projects in the construction phase.  
Manager: Bhavani Yerrapotu, 408-630-2735  
Emmanuel Aryee, 408-630-3074  
Christopher Hakes, 408-630-3796  
Mike Cook, 408-630-2424  
Attachments:  
Est. Staff Time: 15 Minutes

4.2. Consider Staff’s Recommendation to Include the Pond A4 Resilient Habitat Restoration Project, a new Initially Validated Water Resources Stewardship Project, in the Capital Improvement Program (CIP) Final FY2024-28 Five-Year Plan.  
Recommendation: Consider Staff’s Recommendation to Include the Pond A4 Resilient Habitat Restoration Project, a new Initially Validated Water Resources Stewardship Project, in the Capital Improvement Program (CIP) Final FY2024-28 Five-Year Plan.  
Manager: Lisa Bankosh, 408-630-2618  
Attachments:  
Est. Staff Time: 10 Minutes

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.  
Manager: Ryan McCarter, 408-630-2983  
Attachments:  
Est. Staff Time: 5 Minutes

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

Manager: Ryan McCarter, 408-630-2983 (on behalf of Christopher Hakes)
Erin Baker, 408-630-2608 (on behalf of Bhavani Yerrapotu)
Emmanuel Aryee, 408-630-3074
Luz Penilla, 408-630-2228

Attachments: 
Attachment A: Government Code § 84308

Est. Staff Time: 5 Minutes

4.5. Review 2023 Capital Improvement Program Committee Work Plan.

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

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

Attachments: 
Attachment 1: 2023 CIP Committee Work Plan

Est. Staff Time: 5 Minutes

5. CLERK REVIEW AND CLARIFICATION OF COMMITTEE REQUESTS.

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

6. ADJOURN:

6.1. Adjourn to Special Meeting at 11:00 a.m. on April 10, 2023.
COMMITTEE AGENDA MEMORANDUM
Capital Improvement Program Committee

Government Code § 84308 Applies: Yes ☐ No ☒
(If “YES” Complete Attachment A)

SUBJECT:
Approval of February 13, 2023 Capital Improvement Program Committee Minutes.

RECOMMENDATION:
Approve the minutes.

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

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

ATTACHMENTS:
Attachment 1: 02/13/23 CIP Committee Meeting Minutes

UNCLASSIFIED MANAGER:
Candice Kwok-Smith, 408-630-3193
1. CALL TO ORDER:

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

1.1 Roll Call.

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

Staff in attendance was Eva Sans, Assistant Deputy Clerk II.


Guests in attendance: S. Bundy, S. Clark, C. Cleveland, J. Crowder, N. Fontaine, and K. Irvin.

2. TIME OPEN FOR PUBLIC COMMENTS ON ANY ITEM NOT ON THE AGENDA:

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

3. ELECTION OF OFFICERS:

It was moved by Director Beall, seconded by Director Estremera, and unanimously carried, to nominate and elect Director Hsueh as 2023 Chairperson, and Director Estremera as 2023 Vice Chairperson.
4. APPROVAL OF MINUTES:

4.1 Approval of December 12, 2022 Capital Improvement Program Committee Minutes.

Recommendation: Approve the minutes.

It was moved by Director Estremera, seconded by Chair Hsueh, to approve the December 12, 2022 minutes, as presented.

5. ACTION ITEMS:

5.1 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.

Various staff reviewed the information on this item, per the attached Committee agenda memo, and corresponding presentation materials contained in Attachment 1.

During the presentation, the Committee noted and requested the following without taking formal action:

- On Line 4, Dam Seismic Stability Evaluation project, Lenihan and Stevens Creek were found to be seismically sufficient;

- On Line 5, the Committee requested to be provided a copy of the scope of the SCADA Master Plan Implementation and Distribution System Master Plan Implementation projects. Subsequently, staff will be scheduling a meeting with Director Beall to provide an overview of the project as well as the scope;

- On Line 8, E-4 Upper Penitencia Ck Coyote Ck Doreal Drive project, staff was requested to include the benefits to health and safety for all, as well as the unhoused, as a component on all project planning studies;

- On Line 9, Guadalupe River-Tasman to Hwy 880 project, a staff presentation on the chosen alternative would be an upcoming item to this committee’s work plan;

- On Line 10, San Francisco Bay Shoreline- Phase II and III project, the US State Army Corps of Engineer would look into needed approvals from their agency on the inclusion of the tide gate project under shoreline Phase II, and on their agency’s process in reopening the planning study;

- On Line 14, Ogier Ponds Planning Study project, this project had been analyzed and included on the Anderson Dam Seismic project EIR as part of Anderson’s conservation measure; and

- On Line 15, Headquarters Operations Building project, the state of the structure would not allow for a no-project alternative. The project’s feasibility study would be an upcoming item on this committee’s work plan.
5.2 Receive and Discuss Information Regarding the Status of Capital Projects in the Design and Permitting Phase

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

Various staff reviewed the information on this item, per the attached Committee agenda memo, and corresponding presentation materials contained in Attachment 1.

During the presentation, the Committee noted and requested the following without taking formal action:

- Staff would begin to include information on opportunities for energy efficiency on capital projects in the design phase. The Board adopted the Climate Change Action Plan and designated the Board Policy Planning Committee to monitor the progress of Action Plan implementation;

- On Line 16, Coyote Creek Chillers Plant project, staff would provide project briefing to Director Beall offline; and

- On Line 17, Coyote Creek Flood Management project, a Memorandum of Agreement with the City of San Jose was being developed to address issues on encampments along the creek including costs for outreach and social services, and to meet Valley Water’s construction schedule of the Coyote Creek Flood Management project.

5.3 Receive an Update on the Water Treatment Plant Master Plan Implementation Project No. 93044001.

Recommendation: Receive an update on the Water Treatment Plant Master Plan Implementation Project No. 93044001.

Luz Penilla, Assistant Officer, reviewed the information on this item per the attached Committee agenda and corresponding presentation materials contained in Attachment 1.

The Committee noted the information without taking formal action.

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

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

Chris Hakes reviewed the information on this item and reviewed the information on this item, per the attached Board Agenda Memo, and per the information contained in Attachment 1.

The Committee requested that staff include a future discussion on the expended portion of the contingency amount for possible presentation to the full Board.

The Committee noted the information without taking formal action.
5.5 Receive Information on Upcoming Consultant Agreement Amendments for Capital Projects.

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

Several staff reviewed the information on this item per the attached Committee Agenda Memo.

The Committee noted the information without taking formal action.

5.6 Capital Improvement Program Committee 2022 Accomplishments Report.

Recommendation: Review and accept the Capital Improvement Program Committee 2022 Accomplishments Report.

The Committee acknowledged the work done by staff and the contribution of Chairperson Hsueh to this Committee without taking formal action.

5.7 Review 2023 Capital Improvement Program Committee Work Plan.

Recommendation: A. Review the 2023 Capital Improvement Program Committee Draft Work Plan and make adjustments as necessary; and.
B. Confirm next meeting date.

Chairperson Hsueh announced two upcoming presentations on two capital projects, namely: HQ Operations Building and Guadalupe River to Tasman Hwy 880 projects, and a Committee’s request to include energy efficiency information on capital projects presented to this Committee.

6. CLERK REVIEW AND CLARIFICATION OF COMMITTEE REQUESTS.

None.

6. ADJOURN.

Chairperson Hsueh adjourned the meeting at 1:05 p.m. to the next meeting on March 20, 2023.

Eva Sans
Assistant Deputy Clerk II

Approved:
Date:
SUBJECT:

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

SUMMARY:
The 2023 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; and construction. Staff will present projects to the Committee for review one phase at a time. Projects currently in the construction phase are being presented at this Committee meeting. Other attachments may be included to provide more detail on other items associated with these projects.

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

ATTACHMENTS:
Attachment 1: Capital Project Monitoring - Construction

UNCLASSIFIED MANAGER:
Bhavani Yerrapotu, 408-630-2735
Emmanuel Aryee, 408-630-3074
Christopher Hakes, 408-630-3796
Mike Cook, 408-630-2424
## Capital Project Monitoring Report - March 2023

### Construction Phase

<table>
<thead>
<tr>
<th>Row</th>
<th>Project No.</th>
<th>Project Name</th>
<th>Notes, Upcoming Board Actions or potential issues</th>
<th>In house</th>
<th>External</th>
<th>Combination</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>91864006</td>
<td>Anderson Dam Tunnel Project (an Anderson Dam Federal Energy Regulatory Commission Order Compliance Project)</td>
<td>The High-Level Outlet Works (HLOW) Drop Shaft excavation was completed in December 2022. Tunnel excavation began at the diversion outlet portal on November 9, 2022 and completed about 310 feet when it reached the HLOW Drop Shaft on January 20, 2022. Tunnel excavation has commenced in the Transition Zone from the HLOW Drop Shaft heading toward the reservoir about 1,370 feet away. The contractor continues work on the Diversion Outlet Structure (DOS) outside the tunnel with installation of the foundation rock anchors.</td>
<td>X</td>
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<tr>
<td>2</td>
<td>91864010</td>
<td>Cross Valley Pipeline Extension Project (an Anderson Dam Federal Energy Regulatory Commission Order Compliance Project)</td>
<td>The contractor has installed 100% of pipeline including the vaults, appurtenances and stilling well. Construction of the outfall (in-channel) is complete, however apron work on the outfall is pending the lowering of Coyote Creek. Construction completion is now estimated to be May 2023 due to rain delays and PG&amp;E coordination for two new PG&amp;E electrical services.</td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>91214010</td>
<td>Small Capital Improvements, San Felipe, Reach 1: Pacheco Pumping Plant Electrical Current Limiting Fuse and Hydraulic Valve Operating System (HVOS) Upgrades</td>
<td>Construction work has been completed and is waiting for the 30-day Acceptance Testing, which is dependent on the completion of the Santa Clara Conduit Project construction work. Construction completion is anticipated for the spring 2023.</td>
<td>X</td>
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<tr>
<td>4</td>
<td>95084002</td>
<td>10-Year Pipeline Inspection and Rehabilitation Project (Santa Clara Conduit)</td>
<td>Internal pipeline inspection work has been completed. Shutdown-required work associated with the Pacheco Sectionalizing Vault has been completed. Winter storms, flooding, and repair work for corrosion found in a segment of the pipeline have resulted in delays to the remaining shutdown-required pipeline appurtenance work and Acoustic Fiber Optic (AFO) cable installation. Staff are evaluating when the remaining work can be completed.</td>
<td>X</td>
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<tr>
<td>5</td>
<td>95084002</td>
<td>10-Year Pipeline Inspection and Rehabilitation Project (Almaden Valley Pipeline)</td>
<td>All shutdown-required work is complete. Contractor continues to work on exterior pipeline appurtenance work. Refilling of the remaining portion of the pipeline is dependent on the Santa Clara Conduit Project construction.</td>
<td>X</td>
<td></td>
<td></td>
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<tr>
<td>6</td>
<td>93294058</td>
<td>Rinconada WTP Residuals Remediation Project</td>
<td>Installation of various facilities is in progress including Centrate Wet Well B, Centrifuge Bldg B, and the Loadout Structure. Testing of equipment at the Sludge Storage Tanks has commenced. Construction completion is anticipated for summer 2023.</td>
<td>X</td>
<td></td>
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<tr>
<td>7</td>
<td>93764004</td>
<td>Penitencia WTP Flocculation/Sedimentation Basin Rehabilitation Project</td>
<td>Contractor continues to address equipment deficiencies identified during project startup and commissioning. Stuffing box replacements were successfully completed in Basin 2 in October 2022. Due to supply chain issues, the remaining equipment replacements are scheduled for May 2023.</td>
<td>X</td>
<td></td>
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<tr>
<td>8</td>
<td>93284013</td>
<td>Santa Teresa Water Treatment Plant Filter Media Replacement</td>
<td>Removal and off-hauling of the sand and GAC from Filters 2W, 5W, and 6W have been completed. The Contractor has also completed the underdrain flow distribution test in Filters 2W and 5W, and plans to begin work on the underdrain nozzle replacement. Construction completion is anticipated for spring 2024.</td>
<td>X</td>
<td></td>
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</tr>
<tr>
<td>9</td>
<td>91094009</td>
<td>South County Recycled Water Pipeline Project</td>
<td>90% of the contract pipeline work has been installed. All jack and bore and microtunneling operations have been completed. Paving is now scheduled for spring 2023. Construction work for segment 1C is on hold because an agreement has not yet been reached with the property owners regarding the easement for that segment.</td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>10244001</td>
<td>Permanente Creek, SF Bay to Foothill Expressway</td>
<td>The Board of Directors awarded the construction contract on November 22, 2022. Construction for the floodwall retrofit is ongoing. Contractor has currently completed approximately 525 linear feet of the 1,300 linear feet of retrofit required for the Project. All retrofit work will be completed by May 2023.</td>
<td>X</td>
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</table>
## Capital Project Monitoring Report - March 2023

### Construction Phase

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<tr>
<td>11</td>
<td>40174005</td>
<td>Other 2012 SCW: Berryessa Creek, Lower Penitencia Creek to Calaveras Blvd, Phase 2</td>
<td>Construction for the Lower Calera Creek Project started in June 2021 and is currently underway. All in-channel floodwall work has been completed. A waterline that passes beneath a floodwall owned by Milpitas leak and a Valley Water team is working with Milpitas on the repair. Once the waterline leak is repaired, the contractor has some minor work remaining such as finished grading for maintenance roads, fencing, and paving. All civil work estimated to be completed by April 2023, followed by a plant establishment phase.</td>
<td>X</td>
<td></td>
<td></td>
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<tr>
<td>12</td>
<td>40334005</td>
<td>Lower Penitencia Creek Improvements, Berryessa to Coyote Creeks</td>
<td>Construction for Lower Penitencia Creek Project started in July 2021. All civil work in the contract will be completed in March 2023, followed by a three-year plant establishment and maintenance period. A channel lining fix due to erosion damage caused by a biker tank overflow will be conducted in summer 2023.</td>
<td>X</td>
<td></td>
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<tr>
<td>13</td>
<td>26174051, 26174052, 26174055</td>
<td>E6: Upper Llagas Creek Flood Protection Project, Phase I and Phase 2A</td>
<td>Phase 1 construction was completed and accepted by the Board of Directors on May 24, 2022. This precedes a three-year plant establishment phase, which is currently underway and will be completed in March 2025.</td>
<td>Phase 1</td>
<td>Phase 2A</td>
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<td>Construction contract for Phase 2A was awarded in summer 2021 and is currently in progress. Significant utility relocation have been completed as of February 2023, and the underground twin reinforced concrete box culverts along Del Monte Avenue and Ciolino Avenue were completed as of December 2022. Drilling of the 2,200 foot underground bypass tunnel has been completed. Beginning on May 1, 2023, Hale Avenue will be closed so the underground twin reinforced concrete box culverts along Hale Avenue can be constructed before schools reopen on August 16, 2023. Phase 2A contract completion date is expected May of 2024, but the project is currently a couple of months ahead of schedule.</td>
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<tr>
<td>14</td>
<td>00044026</td>
<td>San Francisco Bay Shoreline, EIA 11 - Alviso Slough to Coyote Creek Bypass (E7: 26444001, 26444002, 26444004)</td>
<td>Construction of levees in the first three reaches, Reaches 1-3, is ongoing. Reaches 1-3 are located between the Alviso Marina and U.S. Fish and Wildlife Service Don Edwards San Francisco Bay National Wildlife Refuge Environmental Education Center. The United States Army Corps of Engineers awarded the construction contract in August 2021 to Maloney-Odin Joint Venture. Construction began on December 6, 2021 and is anticipated to be completed in summer 2024.</td>
<td>N/A</td>
<td>USACE construction</td>
<td></td>
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<tr>
<td>15</td>
<td>62084001</td>
<td>Watershed Asset Rehabilitation Program</td>
<td>The Board of Directors awarded the construction contract for the Calabazas Creek Rehabilitation Project (Bollinger Rd to Miller Ave) to Granite Construction on May 24, 2022. This two-season project consists of repair for 10 erosion sites between Miller Ave. and Bollinger Road. Year One construction of six sites were completed. Year Two construction will start by third week of April 2023 subject to rain forecast. Year Two construction of Giken silent sheet piles will be constructed for four sites next season ending in November 2023. Steel sheet pile materials have been procured from an out-of-the-country supplier.</td>
<td>X</td>
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</tbody>
</table>

### Water Resources Stewardship

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<tr>
<td>16</td>
<td>26164001</td>
<td>D6: Restoration of Natural Creek Functions: Hale Creek Enhancement Pilot Project</td>
<td>The construction contract for Hale Creek was awarded to McGuire &amp; Hester on May 10, 2022. Construction began on June 1, 2022 and was completed in January 2023. In-channel construction was completed November 18, 2022 and top-of-bank improvements were completed December 30, 2022. The three-year plant establishment maintenance and monitoring period began on December 23, 2022 and is expected to last until December 2025.</td>
<td>X</td>
<td></td>
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</tr>
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</table>
## Construction Phase

<table>
<thead>
<tr>
<th>Row</th>
<th>Project No.</th>
<th>Project Name</th>
<th>Notes, Upcoming Board Actions or potential issues</th>
<th>In house</th>
<th>External</th>
<th>Combination</th>
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</thead>
<tbody>
<tr>
<td>17</td>
<td>26044004</td>
<td>D6.2: Bolsa Road Fish Passage Improvements</td>
<td>The Board of Directors approved an agreement with Cal Engineering &amp; Geology, Inc. for construction management services in March 2022. The Board of Directors awarded the construction contract to Teichert, Inc. on July 12, 2022. Notice to Proceed for construction was issued on July 26, 2022. Staff is working with the Construction Manager and Contractor to secure a construction grading and drainage permit from the County of Santa Clara. Construction of in-channel work must occur between June and October to adhere to permit conditions. The construction contract was not awarded in time to complete construction within this work window in 2022, and therefore will begin in May/June 2023.</td>
<td>X</td>
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</table>

### Buildings & IT

<table>
<thead>
<tr>
<th>Row</th>
<th>Project No.</th>
<th>Project Name</th>
<th>Notes, Upcoming Board Actions or potential issues</th>
<th>In house</th>
<th>External</th>
<th>Combination</th>
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</thead>
<tbody>
<tr>
<td>18</td>
<td>73274009</td>
<td>Data Consolidation</td>
<td>The Human Resources Division (HR) project is currently finalizing implementation of Hyland’s OnBase enterprise information platform and scanning their paper archives. This effort will digitize over 80 document types into a new paperless system. HR is looking to go live with the system spring 2023. The project team is currently in the process of scoping implementation for the Community Projects Review Unit in alignment with the desired outcomes of their recent audit and modernization project.</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>19</td>
<td>73274001</td>
<td>Information Technology Disaster Recovery</td>
<td>In partnership with VMware and Amazon Web Services, Valley Water is progressing on building a redundant virtual data center in the cloud. This project will allow Valley Water servers to run side-by-side in on-site and cloud data centers to create an &quot;always ready&quot; redundant server environment. Other initiatives underway include the procurement of removable drives to replace existing tape backups. The projects identified by our 2021 strategy are likely to require a two-to-three year timeline for implementation. Most initiatives are currently in the procurement phase.</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>20</td>
<td>73274002</td>
<td>ERP System Implementation</td>
<td>System is currently live with all modules currently live. Finance modules have been in production since January 2022 with all other modules implemented by April 2022. Project team continues to work on fewer than ten punchlist items with vendor.</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
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<tr>
<td>21</td>
<td>73274012</td>
<td>Telephone System Voice Over IP</td>
<td>System is currently live for all staff/all locations. Team is currently implementing related post go-live tasks, such as configuring intercom systems for treatment plant gatehouses. Project is scheduled to close in summer 2023.</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
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</tbody>
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SUBJECT:
Consider Staff’s Recommendation to Include the Pond A4 Resilient Habitat Restoration Project, a new Initially Validated Water Resources Stewardship Project, in the Capital Improvement Program (CIP) Final FY2024-28 Five-Year Plan.

RECOMMENDATION:
Consider Staff’s Recommendation to Include the Pond A4 Resilient Habitat Restoration Project, a new Initially Validated Water Resources Stewardship Project, in the Capital Improvement Program (CIP) Final FY2024-28 Five-Year Plan.

SUMMARY:
The Pond A4 Resilient Habitat Restoration Project (Pond A4 Project) is a multi-benefit project that will create habitat for threatened and endangered species and promote community flood resilience by constructing a 30:1 sloped ecotone at the southern boundary of Pond A4, a former salt production pond acquired by Santa Clara Valley Water District (Valley Water) in 2000. The Pond A4 Project will beneficially re-use sediment removed from local creeks, as a part of the Valley Water’s Stream Maintenance Program (SMP), to build necessary staging areas in order to construct the ecotone.

Project Objectives:
- Restore historic tidal marsh habitat that once existed along the Bay’s edge.
- Provide adaptability to rising seas for sensitive and endangered species.
- Promote resilient coastal flood protection to Sunnyvale’s low-lying shoreline area.

The Pond A4 Project will be constructed in two phases. Phase 1 will include planning, design, and permitting for the full project; construction of the maintenance road necessary for access and staging areas; and adding initial sediment reuse deposits from local sources to Pond A4. Phase 2 of the Pond A4 Project will include sediment reuse to create the resilient habitat ecotone; and restoring nearly 50 acres of marsh, mud flat, transitional, and upland habitat. The ecotone habitat will buffer adjacent communities in Sunnyvale from storm surge and high tide wave action in the near term, and
vegetated ecotone will keep pace with sea level rise thereby promoting resilient flood protection against sea level rise.

**Project Scope, Schedule, and Budget:**

**Phase 1. FY 2023-25: Planning, design, and permitting for the full Pond A4 Project, and construction of the access route and on-site staging area.** Planning and preliminary design work is currently in progress.

To provide safe haul routes for trucks, the 120-foot-long stretch of the existing maintenance road, owned in fee by Valley Water, must be widened from 15 feet to approximately 35 feet, at its intersection with East Caribbean Drive, Sunnyvale.

For the trucks to logistically turn around, offload, and deposit fill at the Pond A4 Project site, there is a need to construct a 1.4-acre staging area within Pond A4 near the intersection of the Bay Trail and the Pond A4 access road.

Road widening and staging area construction will require placement of approximately 34,000 cubic yards (CY) of fill in Pond A4 and up to 1,500 CY of fill in sloped area adjacent to the maintenance road.

Phase 1 Preliminary Cost Estimate: $5.32M Funding Source: Watershed Stream Stewardship Fund (Fund 12) (secured); Grants and Partnerships (potential, unsecured)

**Phase 2. FY 2026-28: Resilient Habitat Ecotone Construction**

The finished ecotone (scheduled for completion in approximately FY 2038) will span the 1-mile-long southern boundary of Pond A4. The total area of restored habitat will be 2 million square feet (46 acres), consisting of brackish marsh, transitional, and upland habitats. Approximately 400,000 CY of fill will be required to construct the ecotone. Following construction, topsoil would be overlaid on the ecotone fill slope and appropriate restoration plantings would be installed, monitored, and adaptively managed.

Preliminary Cost Estimate: $20.7M Funding Source (through approximately FY 2038): Unfunded; Grants and Partnerships (potential, unsecured)

**NEXT STEP:**

Provided the CIP Committee supports staff’s recommendation, staff will recommend to the board at its April 11, 2023 regular meeting that the Pond A4 Project be included in the CIP Final FY2024-28 Five-Year Plan.

**ATTACHMENTS:**

Attachment 1: PowerPoint
UNCLASSIFIED MANAGER:
Lisa Bankosh, 408-630-2618
Pond A4 Resilient Habitat Restoration Project
Capital Program Improvement Committee
Presented by: Judy Nam, Senior Water Resources Specialist
March 20, 2023
Historical Context

Year 1850

Year 2000
Past Habitat at Pond A4

• Tidal Marsh
• Alkali Meadow
Project Location

- Valley Water owns Pond A4
- Access from Caribbean Drive in Sunnyvale
Objectives
This project will beneficially re-use Valley Water’s Stream Maintenance Program sediment to create resilient habitat for sensitive and endangered species by restoring lost wetlands.

- Restore historic tidal marsh habitat that once existed along the bay’s edge.
- Provide adaptability to rising seas for sensitive and endangered species.
- Promote resilient coastal flood protection to Sunnyvale’s low-lying shoreline area.
Project Elements

- Construct staging area and access improvement
- Deliver sediment starting Oct 2024 (Annual SMP Sediment: 6,000-80,000 CY)
- Apply USFWS QAPP standards for sediment re-use
- Construct 50-acre 30:1 Ecotone over 5-15 yrs (appx 400,000 CY)
- Plant ecotone with native species
- Adaptively manage after construction to maximize ecological benefits
Project Need and Urgency

- SMP Material Beneficial Reuse
- Ecosystem Restoration
- Sea Level Rise Resilience
## Pond A4 Resilient Habitat Restoration Project

<table>
<thead>
<tr>
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<th>Completion Date</th>
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<tbody>
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<td>CEQA/Design/Permitting</td>
<td>May 2024</td>
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<tr>
<td>CONSTRUCTION</td>
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<tr>
<td>Access Improvement/Staging Area</td>
<td>Oct. 2024</td>
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<tr>
<td>Sediment Delivery/Ecotone/Reveg.</td>
<td>Jun. 2038</td>
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<tr>
<td>Sediment Delivery/Ecotone/Reveg.</td>
<td>Jun. 2038</td>
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<td>FY23-38</td>
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<td><strong>TOTAL</strong></td>
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<td>CEQA, Design, Permitting,</td>
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<td><strong>Construction Cost Estimate</strong></td>
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<tr>
<td>Earthwork</td>
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<tr>
<td>Top Soil</td>
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<td>Annual Soil Testing</td>
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<td>Revegetation and Adaptive Mgmt.</td>
<td>$1.8</td>
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<tr>
<td>Constr. Access and Staging</td>
<td>$2</td>
</tr>
</tbody>
</table>
Valley Water
Clean Water • Healthy Environment • Flood Protection
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 No. 91864005. 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 Anderson Dam Tunnel Project (ADTP).

On April 27, 2021, Valley Water’s Board of Directors awarded the construction contract for the Anderson Dam Tunnel Project (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 Anderson Dam Tunnel Project 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**

During the May 17, 2021, Capital Improvement Program (CIP) Committee meeting, staff provided an update on the Anderson Dam Tunnel Project No. 91864005. The Committee requested staff provide monthly change order status updates after construction of the ADTP commences on July 7, 2021.

**Contract Change Order #14**

1. **Increased Quantity for 18.5 Foot Diameter Tunnel (Diversion Tunnel) Excavation Class 5.** The tunnel excavation work is compensated based on the ground classification encountered and the corresponding ground support mechanism required. The Diversion Tunnel includes three ground classifications 3, 4, and 5, with classification 3 as the most competent ground, requiring the least amount of ground support, and classification 5 as the most difficult ground to support with additional ground support mechanisms. Due to increased ground Class 5 material encountered in the field during the excavation of the Diversion Tunnel, an increase to the bid quantity is necessary for Bid Item No. 5c, 18.5-foot diameter Class 5 tunnel excavation. The bid quantity is increased by 38 linear feet (LF) for ground Class 5 for a revised total quantity of 208 LF (70 LF original bid quantity plus 100 LF increase per executed Contract Change Order 12 and this final 38 LF increase). The 355 LF Diversion Tunnel excavation has now been completed. This item is valued at $684,000.00.

2. **Decreased Quantity for Bid Items No. 5a and 5b.** The tunnel excavation work is compensated based on the ground classification encountered and the corresponding ground support mechanism required. The Diversion Tunnel excavation has been completed; therefore, the original bid quantities of Diversion Tunnel excavation for Class 3 and 4 are revised to balance and reflect the actual bid quantities of completed work due to less ground Class 3 and 4 material being encountered in the field. The total quantity for Bid Item No. 5a 18.5 Foot Diameter Tunnel Excavation Class 3 is decreased in its entirety by 70 LF as there was no ground Class 3 encountered. The total quantity for Bid Item No. 5b 18.5 Foot Diameter Tunnel Excavation Class 4 is decreased by 68 LF for a revised bid quantity of 147 LF. This item results in a $1,240,000.00 credit to the construction contract.
3. **Increased Quantity for Bid Items No. 2h, 2i, 2j, 2k.** Findings from Time Impact Analysis 01 and 02 resulted in an overall Contract Time extension of 8 months, captured in Directed Change Order 1 and Contract Change Order 11. With this extension in the Contract Time, monthly unit price bid items, which are required to be performed to meet construction permit requirements, also require an extension by that amount of time. Therefore, the following monthly unit price bid items of work are being extended by 8 months, for a revised total bid quantity of 40 months: Bid Item No. 2h Compliance with NPDES General Permit, 2i Migratory Birds, 2j Noise and Vibration Monitoring, and 2k Dust Control and Air Monitoring. This item is valued at $712,000.00.

**Contract Change Order #15**

1. **Diversion Outlet Structure CLSM Saturday Premium Time.** This cost covers the premium charges to deliver and place Controlled Low Strength Material (CLSM) on Saturdays at the Diversion Outlet Structure foundation due to field changes impacting CLSM scheduled pours and limited availability from supplier to deliver CLSM during weekdays. The work is valued at $36,524.00.

2. **Diversion Portal Soil Nail Wall Conditions.** Differing ground conditions and shutdowns at the Diversion Portal Soil Nail Wall resulted in differential excavation requiring resequencing of operations and additional efforts to complete the Diversion Portal Soil Nail Wall. The extended duration of this work resulted in additional cost for excavation, haul trucks, QC testing, inspection, water trucks and soil nail drilling support by Flatiron West and their subcontractors. This closes out all remaining costs associated with the Diversion Portal differing site condition impacts to Flatiron West and their subcontractors for the completed work. This item is valued at $400,082.00.

The net value of the two Contract Change Orders (CCO #14 and CCO #15) is $592,606.00.

**Construction Contract Financial Status**

On February 13, 2023, the Committee requested an update on the construction contract payments and summary of financials. Attachment 2 provides the construction contract financial status. The contract total value with executed Change Orders 1-13 is $174,214,824, of which $49,357,723 has been paid through January 2023.

**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

<table>
<thead>
<tr>
<th>Organization Name</th>
<th>Name</th>
<th>Role</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flatiron West, Inc.</td>
<td>Shawn Golden</td>
<td>Vice President</td>
<td>2100 Goodyear Rd. Benicia, CA 94510</td>
</tr>
</tbody>
</table>

List of Participants and Their Agents/Representatives Known to Staff

<table>
<thead>
<tr>
<th>Organization Name</th>
<th>Name</th>
<th>Role</th>
<th>Location</th>
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<tbody>
<tr>
<td></td>
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</table>
## Anderson Dam Tunnel Project

**Construction Contract Change (CO) Order Status**

### CCO #

<table>
<thead>
<tr>
<th>CCO #</th>
<th>CIP Committee Date</th>
<th>Approval Date</th>
<th>Description</th>
<th>Amount</th>
<th>Contingency Amount</th>
<th>Approval Level</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>4/27/2021</td>
<td></td>
<td>Original Contract</td>
<td>$161,140,321.00</td>
<td>$40,000,000.00</td>
<td>Board</td>
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<tr>
<td>2</td>
<td>1/18/2022</td>
<td>12/16/2021</td>
<td>Additional Tree Removal, Protection and Relocation</td>
<td>$460,250.41</td>
<td>$39,539,749.59</td>
<td>DOO</td>
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<tr>
<td>3</td>
<td>2/14/2022</td>
<td>4/26/2022</td>
<td>Outlet Works Vertical Shaft Re-sizing</td>
<td>$3,783,119.15</td>
<td>$35,756,630.44</td>
<td>CEO</td>
<td>Approved</td>
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<tr>
<td>4</td>
<td>5/16/2022</td>
<td>5/17/2022</td>
<td>Water Quality Monitoring Equipment, Miscellaneous demolition, TCEAP VHF/UHF Radios</td>
<td>$131,603.28</td>
<td>$35,625,027.16</td>
<td>AOO</td>
<td>Approved</td>
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<tr>
<td>5</td>
<td>6/13/2022</td>
<td>6/30/2022</td>
<td>Tunnel and Miscellaneous items from CDC-001/001.1, Remove Taber Drilling from Scope</td>
<td>$386,801.98</td>
<td>$35,238,225.18</td>
<td>DOO</td>
<td>Approved</td>
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<tr>
<td>6</td>
<td>6/13/2022</td>
<td>6/30/2022</td>
<td>Upsizing Soil Nail Rows D&amp;E from #18 to #20</td>
<td>$228,562.00</td>
<td>$35,009,663.18</td>
<td>DOO</td>
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<tr>
<td>7</td>
<td>7/18/2022</td>
<td>8/6/2022</td>
<td>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</td>
<td>$63,063.32</td>
<td>$34,946,599.86</td>
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<td>8</td>
<td>9/26/2022</td>
<td>10/31/2022</td>
<td>Disposal Area Parking Lot Remediation, DOS Foundation Excavation - Revised Soil Nail Wall, and Additional Environmental Compliance for Water Quality Monitoring and Soil Testing</td>
<td>$1,526,724.84</td>
<td>$33,419,875.02</td>
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<td>9</td>
<td>10/18/2022</td>
<td>10/26/2022</td>
<td>Disposal of Regulated and Organic Material</td>
<td>$80,000.00</td>
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<td>10</td>
<td>11/14/2022</td>
<td>11/18/2022</td>
<td>3-D Modeling of HLOW Shaft</td>
<td>$101,101.00</td>
<td>$33,238,774.02</td>
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<td>11</td>
<td>12/12/2022</td>
<td>12/19/2022</td>
<td>Monitoring of Additional Piezometer, Supplementary Support for the Transition Zone, DOS Portal Conditions, Partnering</td>
<td>$1,971,946.48</td>
<td>$31,266,827.54</td>
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<td>12</td>
<td>13/12/2022</td>
<td>13/19/2022</td>
<td>Time Related Overhead Time Impact Analysis 002</td>
<td>$2,515,330.18</td>
<td>$28,751,497.36</td>
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<td>13</td>
<td>1/19/2023</td>
<td>1/19/2023</td>
<td>Increased Quantity of Diversion Tunnel Excavation Class 5</td>
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<td>$26,951,497.36</td>
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<td>14</td>
<td>2/24/2023</td>
<td>2/24/2023</td>
<td>Diversion Outlet Structure (DOS) Energy Dissipation Chamber Grated Access Opening</td>
<td>$26,000.00</td>
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### DCO #

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<tr>
<td>1</td>
<td>09/26/22</td>
<td>10/05/22</td>
<td>Milestone 7, 9, and 10 Completion Revisions</td>
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**Total Approved**

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### Pending CCO #

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<tr>
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<td>3/20/2023</td>
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<td>Increased Quantity for 18.5 Foot Diameter Tunnel Excavation Class 5, Increased Quantity for Bid Items No. 2h, 2i, 2j. Decreased Quantity for Bid Item No. 5a and 5b.</td>
<td>$156,000.00</td>
<td>$26,769,497.36</td>
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<td>15</td>
<td>3/20/2023</td>
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<td>Diversion Outlet Structure Controlled Low Strength Material Saturday Premium Time, Diversion Portal Soil Nail Wall Condition</td>
<td>$436,606.00</td>
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**Total Pending**

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**Total Number of COs (Approved & Pending)**

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## Anderson Dam Tunnel Project
### Construction Contract Financials

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<td>$2,920,500.00</td>
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<td>$13,229,500.00</td>
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<td>SITE PREPARATION</td>
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<td>$3,797,892.22</td>
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<td>$261,886.40</td>
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<td>$5,911,609.60</td>
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<td>LAKE-TAP PORTAL</td>
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<td>$4,093,500.00</td>
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<td>TUNNEL EXCAVATION AND LINING</td>
<td>$47,438,325.00</td>
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<td>MICROTUNNEL</td>
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<td>DIVERSION OUTLET STRUCTURE</td>
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<td>COYOTE CREEK MODIFICATIONS</td>
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<td>SUPPLEMENTAL WORK ITEMS</td>
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<td>11</td>
<td>ALLOWANCES</td>
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| Total Original Contract Amount | $161,140,321.00 |
| Total Billed To Original Contract Amount | $39,552,485.95 |

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<th>Balance Remaining</th>
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<td>CCO 1-13</td>
<td>CONTRACT CHANGE ORDERS (CCO)</td>
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<td>$3,269,265.48</td>
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| Total Contract Amount Including CCOs 1-13 | $174,214,823.64 |
| Total Billed Including CCOs             | $49,357,723.11 |
SUBJECT: 

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 implementation progress of key projects in the CIP. At their June 29, 2020 meeting, the CIP Committee requested 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 are eight consultant agreement amendments for capital projects presented here for the Committee's information:

1. Amendment No. 2 to Agreement A4464A with AECOM Technical Services, Inc. for Design Services for the Coyote Creek Flood Management Measures Project No. 91864007 (Scope Change, Cost Increase) (E. Baker)

   Staff will recommend Board approval of Amendment No. 2 to Agreement A4464A with AECOM Technical Services, Inc. (Consultant) for design services for both the Coyote Creek Flood Protection Project (CCFPP) and Coyote Creek Flood Management Measures Project (CCFMMP) No. 91864007, to add engineering support during construction for only the CCFMMP at this time, and to increase the cost of the Agreement by $2,696,572.50 for a new not-to-exceed amount of $12,681,885.74.

   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. Valley Water has implemented the CCFMMP to reduce the risk of flooding to homes, schools, businesses, and highways during completion of the Anderson Dam Seismic Retrofit Project.

Amendment No. 2 to Agreement A4464A will amend the scope to add engineering support during construction for CCFMMP, which is necessary for successful Project completion.

Government Code § 84308 Applies: Yes ☒ No ☐

2. Amendment No. 1 to Agreement A4605A with Cal Engineering & Geology, Inc. for Construction Management Services for the Bolsa Road Fish Passage Project No. 26044004 (Consultant Name Change, Time Extension) (E. Baker)

Staff will recommend Deputy Administrative Officer approval of Amendment No. 1 to Agreement A4605A with Cal Engineering & Geology, Inc. for construction management services for the Bolsa Road Fish Passage Improvements Project No. 26044004 to document Consultant’s name change from Cal Engineering & Geology, Inc., to Haley & Aldrich, Inc., and extend the term of the Agreement by one year from June 30, 2023, to June 30, 2024.

Pursuant to Agreement A4605A, Consultant is supporting Project staff by performing construction management services for the Bolsa Road Fish Passage Project No. 26044004.

Valley Water has been advised that as of December 1, 2022, Consultant has changed its firm name as a result of an acquisition. The purpose of amending Agreement A4605A is to document Consultant’s name change; express Valley Water’s consent to assignment of the Agreement from the original firm to the new firm; and confirm all required insurance coverages as stated in the Agreement have continued to remain in full force and effect.

Furthermore, Amendment No. 1 to Agreement A4605A will extend the term of the Agreement by one year from June 30, 2023, to June 30, 2024, thereby allowing Consultant, now known as Haley & Aldrich, to continue to provide Construction Management Services for the Bolsa Road Fish Passage Improvements Project No. 26044004 throughout Project construction, expected to begin in June 2023.

Government Code § 84308 Applies: Yes ☐ No ☒

3. Amendment No. 4 to Agreement A4264A with Cal Engineering & Geology, Inc. for On-Call Geotechnical Services (Consultant Name Change) (E. Baker)

Staff will recommend Deputy Administrative Officer approval of Amendment No. 4 to Agreement A4264A with Cal Engineering & Geology, Inc. for on-call geotechnical services to document the Consultant’s name change from Cal Engineering & Geology, Inc., to Haley & Aldrich, Inc.

Pursuant to Agreement A4264A, Consultant performs work including: investigations, analysis, and safety evaluations of existing levees and flood walls; evaluation of design criteria for new levees and flood walls and makes recommendations for levee improvement or remedial design; investigations, analysis, and recommendations for design of bridge foundation and
pipelines; review of project plans and specifications for quality assurance/quality control purposes; construction site inspections; and evaluation of geotechnical test results to ensure compliance with project plans and specifications.

Valley Water has been advised that as of December 1, 2022, Consultant has changed its firm name as a result of an acquisition. The purpose of amending Agreement A4264A is to document Consultant’s name change; express Valley Water’s consent to assignment of the Agreement from the original firm to the new firm; and confirm all required insurance coverages as stated in the Agreement have continued to remain in full force and effect. Consultant, now known as Haley & Aldrich, Inc., will continue to provide Geotechnical Services on an on-call, as-needed basis for Valley Water’s capital construction projects.

Government Code § 84308 Applies: Yes ☐ No ☒

4. Amendment No. 4 to Agreement A3958A with Biggs Cardosa Associates, Inc., and Amendment No. 4 to Agreement A3959A with Mark Thomas & Company, Inc. for On-Call Structural Engineering Services (Time Extension) (E. Aryee).

Staff will recommend Deputy Administrative Officer approval of Amendment No. 4 to Agreement No. A3958A with Biggs Cardosa Associates, Inc., and Amendment No. 4 to Agreement No. A3959A with Mark Thomas & Company, Inc., extending the term of each Agreement by eight months, from April 26, 2023 to December 31, 2023, with no increase to the total not-to-exceed fee of $1,700,000 for each Agreement.

Valley Water has a large Capital Improvement Program consisting of numerous complex projects. Staff anticipates a continued demand for on-call structural engineering services for the Anderson Dam Federal Energy Regulatory Commission Order Compliance Project (FOCP), several capital improvement projects, and ongoing operations and maintenance work. New on-call structural engineering services agreements are currently scheduled to be recommended for Board approval at the regular meeting on April 25, 2023. However, pursuant to both existing Agreements, Consultants are currently performing work pursuant to authorized task orders. This pending work is anticipated to be completed on or before December 31, 2023, at which time Agreements A3958A and A3959A will be closed out.

Extending the expiration date pursuant to Amendment No. 4 for each Agreement will allow the Consultants to continue to provide much needed on-call structural engineering services in support of Valley Water capital projects and close out existing task orders.

Government Code § 84308 Applies: Yes ☐ No ☒

5. Amendment No. 2 to Agreement A4343A with Consor PMCM, Inc. and Amendment No. 1 to Agreement A4344A with PMA Consultants LLC for On-Call Construction Scheduling Services (Time Extension) (E. Aryee)

Staff will recommend Deputy Administrative Officer approval of Amendment No. 2 to Agreement A4343A with Consor PMCM Inc. and Amendment No. 1 to Agreement A4344A with PMA Consultants LLC for on-call construction scheduling services to extend the expiration
date of both Agreements from April 28, 2023, to December 30, 2023.

Pursuant to Agreements A4343A and A4344A, Consultants perform independent review and assessment of project schedules such as baseline and progress schedules, recovery schedules, look-ahead schedules, and Contractor submittals; assist Valley Water in analyzing causation and responsibility for construction schedule and performance delays; and provide an independent review and assessment of claims and disputes regarding construction.

Extending the expiration dates of Agreement A4343A and Agreement A4344A, Amendment No. 2 and Amendment No. 1, respectively, will allow the Consultants to continue to be available to provide much needed on-call scheduling services in support of Valley Water capital projects.

Government Code § 84308 Applies: Yes ☒ No ☐

6. **Amendment No. 3 to Agreement A4296A with Vena Solutions Inc. for On-Call Enhancements and Support Services for the Capital Improvement Program Development and Biennial Budget process for Project Nos. 00074033 and 60221001 (Cost Increase) (L. Penilla)**

Staff will recommend Board approval of Amendment No. 3 to Agreement A4296A with Vena Solutions Inc. (Consultant) for On-Call Enhancements and Support Services for the Capital Improvement Program Development Project Nos. 00074033 and 60221001, to increase the cost of the Agreement by $182,000.00 for a new not-to-exceed amount of $682,000.00.

Agreement A4296A was approved in October 2019 as a sole-source on-call agreement to augment the original Agreement A4020A with Vena Solutions, Inc., which was awarded as part of a competitive RFP process in August 2016. A4296A was enacted for additional Consultant support services for the Capital Improvement Program Development Project and the Budget Office. The Vena software was implemented in FY17 and continues to be refined. Financial information in Vena is currently synched with Valley Water’s enterprise resource planning system Infor. Additionally, the Consultant is providing integration support services for the implementation of Valley Water’s new staff forecasting tool, Vemo, and its new capital project management information system, Projectmates.

Amendment No. 3 will increase the NTE fee by $182,000.00, thereby allowing the Consultant to continue to provide on-call software support on an as-needed basis.

Government Code § 84308 Applies: Yes ☒ No ☐

**ATTACHMENTS:**
Attachment A: Government Code § 84308

**UNCLASSIFIED MANAGER:**
Ryan McCarter, 408-630-2983 (on behalf of Christopher Hakes)
Erin Baker, 408-630-2608 (on behalf of Bhavani Yerrapotu)
Emmanuel Aryee, 408-630-3074
Luz Penilla, 408-630-2228

List of Parties and Their Agents/Representatives Known to Staff

<table>
<thead>
<tr>
<th>Organization Name</th>
<th>Name</th>
<th>Role</th>
<th>Location</th>
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</thead>
<tbody>
<tr>
<td>AECOM Technical Services, Inc.</td>
<td>Theodore B. Feldsher</td>
<td>Vice-President/Principal-in-Charge</td>
<td>4 N. 2nd St. San Jose, CA 95113</td>
</tr>
<tr>
<td>Vena Solutions USA, Inc.</td>
<td>Linda Neff</td>
<td>Vice-President</td>
<td>2 Fraser Solutions, Ste. 200 Toronto, ON M6K1Y6</td>
</tr>
</tbody>
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List of Participants and Their Agents/Representatives Known to Staff

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<thead>
<tr>
<th>Organization Name</th>
<th>Name</th>
<th>Role</th>
<th>Location</th>
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<tbody>
<tr>
<td>Kleinfelder, Inc.</td>
<td>Andres Traum</td>
<td>Geotechnical Investigation</td>
<td>380 N 1st St Suite A San Jose, CA 95113</td>
</tr>
<tr>
<td>Ruggeri-Jensen-Azar</td>
<td>Scott Shortlidge</td>
<td>Survey</td>
<td>4690 Chabot Drive Suite 200 Pleasanton, CA 94588</td>
</tr>
<tr>
<td>Cal Engineering and Geology</td>
<td>Dan Peluso</td>
<td>Geotechnical Investigation</td>
<td>785 Ygnacio Valley Road Walnut Creek, CA 94596</td>
</tr>
<tr>
<td>Horizon Water and Environment</td>
<td>Ken Schwarz</td>
<td>Environmental Permitting Compliance</td>
<td>266 Grand Avenue Suite 210 Oakland, CA 94610</td>
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<tr>
<td>MGE Engineering, Inc.</td>
<td>Robert Sennett</td>
<td>Structural Designer</td>
<td>7415 Greenhaven Drive Suite 100 Sacramento, CA 95831</td>
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<tr>
<td>M Lee Corporation</td>
<td>Franklin Lee</td>
<td>Cost Estimating</td>
<td>601 Montgomery Street Suite 2040 San Francisco, CA 94111</td>
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<tr>
<td>Garavaglia Architecture</td>
<td>Michael Garavaglia</td>
<td>House Elevation Architect</td>
<td>582 Market Street Suite 1800 San Francisco, CA 94104</td>
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<tr>
<td>Duquette Engineering</td>
<td>Steven P Duquette</td>
<td>Structural Engineer</td>
<td>1171 Homestead Road Suite 275 Santa Clara, CA 95050</td>
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<tr>
<td>Bess Test Labs</td>
<td>Michael Bohorquez</td>
<td>Utility Locator</td>
<td>2463 Tripaldi Way Hayward, CA 94545</td>
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<td>EROCK Associates LLCs</td>
<td>Eric Bennett</td>
<td>UAV</td>
<td>116 W. Main Street Suite 6</td>
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<td>Bay Area Traffic Solutions, Inc.</td>
<td>Tammy Ta</td>
<td>Traffic Control</td>
<td>44800 Industrial Drive</td>
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<td>Fremont, CA 94538</td>
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<td>CERCO Analytical, Inc.</td>
<td>Darlene Langford</td>
<td>Analytical Testing</td>
<td>1100 Willow Pass Court Suite A</td>
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<td>Exploration Geoservices, Inc.</td>
<td>John Collins</td>
<td>Drilling</td>
<td>1535 Industrial Avenue</td>
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<td>San Jose, CA 95112</td>
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<tr>
<td>McCampbell Analytical</td>
<td>Beverlyn Madrigal</td>
<td>Analytical Testing</td>
<td>1534 Willow Pass Road</td>
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<td>Pitcher Services, LLC</td>
<td>Terry Shewchuk</td>
<td>Drilling</td>
<td>218 Demeter Street</td>
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<td>E. Palo Alto, CA 94303</td>
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<td>Taber Drilling</td>
<td>Brian Young</td>
<td>Drilling and/or CPT</td>
<td>536 Galveston Street</td>
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<td>JDH Corrosion Consultants, Inc.</td>
<td>J. Darby Howard</td>
<td>Corrosion Testing</td>
<td>1100 Willow Pass Court Suite A</td>
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<td>Gregg Drilling, LLC</td>
<td>Tim Boyd</td>
<td>Drilling and/or CPT</td>
<td>950 Howe Road</td>
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<td>Martinez, CA 94553</td>
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COMMITTEE AGENDA MEMORANDUM
Capital Improvement Program Committee

Government Code § 84308 Applies: Yes ☐ No ☒
(If “YES” Complete Attachment A)

SUBJECT:
Review 2023 Capital Improvement Program Committee Work Plan.

RECOMMENDATION:
Review the 2023 Capital Improvement Program Committee Draft 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 to prepare an Annual Committee Accomplishments Reports.

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

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

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 are necessary to provide staff a basis for meeting planning and logistics coordination and agenda item preparation. Attachment 1 is the 2023 CIP committee work plan for review and comments by the CIP committee.
ATTACHMENTS:
Attachment 1: 2023 CIP Committee Work Plan

UNCLASSIFIED MANAGER:
Candice Kwok-Smith, 408-630-3193
## CIP Committee 2023 Work Plan

### Capital Project Monitoring
- **Feasibility/Planning**
- **Design/Permitting**
- **Construction**
- **Projects in Mitigation/Plant Establishment**

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### CIP Implementation
- **Water Treatment Plant Master Plan Implementation**
- **Pond A4 Resilient Habitat Restoration**
- **Contracts Compliance Process Review**
- **Guadalupe River – Tasman to 880 Alternatives**

### CIP Development
- **CIP Process Audit**
- **CIP Planning Process**
  - Annual CIP Process and Integrated Financial Planning Schedule and Review of Initially Validated and Unfunded Projects
  - Review Significant Project Plan Updates
- **Preliminary CIP Review**
- **Canceled**
- **Recess**

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

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3/10/2023