



Santa Clara Valley Water District Capital Improvement Program Committee Meeting

Teleconference Zoom Meeting

REGULAR MEETING AGENDA

**Monday, December 14, 2020
10:00 AM**

District Mission: Provide Silicon Valley safe, clean water for a healthy life, environment and economy.

Nai Hsueh, Chair, District 5
Linda J. LeZotte, Vice Chair, District
4
Tony Estremera, District 6

All public records relating to an 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 for public inspection at the Office of the Clerk of the Board at the Santa Clara Valley Water District Headquarters Building, 5700 Almaden Expressway, San Jose, CA 95118, 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 attend Board of Directors' meeting. Please advise the Clerk of the Board Office of any special needs by calling (408) 265-2600.

Jessica Collins
Committee Liaison

Natalie Dominguez, CMC
Assistant Deputy Clerk II
Office/Clerk of the Board
(408) 265-2659
ndominguez@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, December 14, 2020

10:00 AM

Teleconference Zoom Meeting

IMPORTANT NOTICES

This meeting is being held in accordance with the Brown Act as currently in effect under the State Emergency Services Act, the Governor's Emergency Declaration related to COVID-19, and the Governor's Executive Order N-29-20 issued on March 17, 2020 that allows attendance by members of the Committee, staff, and the public to participate and conduct the meeting by teleconference, videoconference, or both.

Members of the public wishing to address the Committee during a video conferenced meeting on an item not listed on the agenda, or any item listed on the agenda, should use the "Raise Hand" or "Chat" tools located in Zoom meeting link listed on the agenda. Speakers will be acknowledged by the Committee Chair in the order requests are received and granted speaking access to address the Committee.

Santa Clara Valley Water District (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 Committee meetings to please contact the Clerk of the Board's office at (408) 630-2711, at least 3 business days before the scheduled meeting to ensure that Valley Water may assist you.

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

Join Zoom Meeting

<https://valleywater.zoom.us/j/95508666563>

Meeting ID: 955 0866 6563

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Dial by your location: +1 669 900 9128 US (San Jose)

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: This item is reserved for persons desiring to address the Committee on any matter not on this agenda. Members of the public who wish to address the Committee on any item not listed on the agenda should complete a Speaker Form and present it to the Committee Clerk. The Committee Chair will call individuals in turn. 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 November 9, 2020 Meeting Minutes. [20-0087](#)

Recommendation: Approve the minutes.

Manager: Michele King, 408-630-2711

Attachments: [Attachment 1: 110920 CIP Committee Minutes](#)

Est. Staff Time: 5 Minutes

4. ACTION ITEMS:

4.1. Capital Project Monitoring - Construction [20-0139](#)

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

Manager: Heath McMahon, 408-630-3126
Christopher Hakes, 408-630-3796
Rechelle Blank, 408-630-2615

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

Est. Staff Time: 20 Minutes

- 4.2. Update on the Palo Alto Flood Basin Tide Gate Structure Replacement Project, Project No. 10394001, (City of Palo Alto, District 7). [20-1081](#)
- Recommendation: Receive the Update on the Palo Alto Flood Basin Tide Gate Structure Replacement Project.
- Manager: Rechelle Blank, 408-630-2615
- Attachments: [Attachment 1: Map](#)
[Attachment 2: Preliminary Design](#)
[Attachment 3: Trail Closures](#)
[Attachment 4: Presentation](#)
- Est. Staff Time: 10 Minutes
- 4.3. Draft Preliminary Five-Year Capital Improvement Program Fiscal for Years 2022-2026. [20-1094](#)
- Recommendation: Review and discuss the Draft Preliminary Five-Year Capital Improvement Program for Fiscal Years 2022-2026 and provide recommendations to staff as needed.
- Manager: Heath McMahon, 408-630-3126
Rechelle Blank, 408-630-2615
Chris Hakes, 408-630-3796
- Attachments: [Attachment 1: Draft Preliminary FY22-26 CIP](#)
[Attachment 2: FY22 Unfunded Projects](#)
[Attachment 3: Draft Preliminary CIP Financial Models](#)
- Est. Staff Time: 10 Minutes
- 4.4. Receive Information on Upcoming Consultant Agreement Amendments for Capital Projects. [20-1080](#)
- Recommendation: Receive information on upcoming consultant agreement amendments for capital projects.
- Manager: Vincent Gin, 408-630-2633
Chris Hakes, 408-630-3796
Rechelle Blank, 408-630-2615
Heath McMahon, 408-630-3126
- Est. Staff Time: 10 Minutes

- 4.5. Review 2020 Capital Improvement Committee Work Plan, and Proposed 2021 Work Plan and Meeting Schedule. [20-1091](#)

Recommendation: A. Review the 2020 Capital Improvement Program Committee Work Plan and make revisions as necessary;
 B. Review the proposed 2021 Capital Improvement Program Committee Work Plan and make revisions as necessary; and
 C. Review and approve the proposed 2021 CIP Committee meeting schedule.

Manager: Michele King, 408-2630-2711

Attachments: [Attachment 1: 2020 CIP Committee Work Plan](#)
 [Attachment 2: Draft 2021 CIP Committee Work Plan](#)
 [Attachment 3: Proposed 2021 CIP Meeting Schedule](#)

5. INFORMATION ITEMS:

6. 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.

7. ADJOURN:

Adjourn to Regular Meeting at 10:00 a.m., on January 11, 2021, via Zoom video teleconference.

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Santa Clara Valley Water District

File No.: 20-0087

Agenda Date: 12/14/2020

Item No.: 3.1.

COMMITTEE AGENDA MEMORANDUM

Capital Improvement Program Committee

SUBJECT:

Approval of November 9, 2020 Meeting 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: 110920 CIP Committee Minutes

UNCLASSIFIED MANAGER:

Michele King, 408-630-2711

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CAPITAL IMPROVEMENT PROGRAM COMMITTEE MEETING

MINUTES

MONDAY, November 9, 2020
10:00 AM

(Paragraph numbers coincide with agenda item numbers)

1. CALL TO ORDER/ROLL CALL

A regular meeting of the Santa Clara Valley Water District (Valley Water) Capital Improvement Program Committee (Committee) was called to order via Zoom video conference at 10:00 a.m.

1.1 Roll Call.

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

Staff members in attendance were Michele King, Clerk, Board of Directors, E. Aryee, A. Baker, L. Bankosh, R. Blank, B. Ching, J. Collins, J. Del La Piedra, N. Dominguez, R. Fuller, B. Ganjoo, R. Gibson, A. Gschwind, C. Hakes, J. Martin, H. McMahon, D. Mody, A. Nichols, C. Nguyen, B. Ponce, M. Potter, M. Richardson, M. Richert, L. Rossiter, A. Rouhani, D. Taylor, S. Tippets, B. Yerrapotu and T. Yoke.

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 present who wished to speak.

3. APPROVAL OF MINUTES.

3.1. Approval of October 19, 2020 Meeting Minutes.

Recommendation: Approve the minutes.

The Committee considered the attached minutes of the October 19, 2020 meeting. Chairperson Hsueh requested Page 1, Item 2, Paragraph 2 be corrected to read: **Proposition Measure S**. It was moved by Director Estremera, seconded by Director LeZotte, and carried that the minutes be approved as amended.

4. ACTION ITEMS

4.1. Capital Project Monitoring – Planning and Feasibility Report.

Recommendation: Receive updates on projects in the planning and feasibility phase, discuss resources needs, and make recommendations as necessary.

Chair Hsueh 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 as follows: Mr. Chris Hakes, Deputy Operating Officer, reviewed Items 1 through 3, Ms. Bhavanni Yerrapotu, Deputy Operating Officer, reviewed Item 4, Mr. Heath McMahon, Deputy Operating Officer reviewed Items 5 through 7 and 9, Mr. Jerry De La Piedra, Assistant Officer, reviewed Item 8, Ms. Lisa Bankosh, Acting Deputy Operating Officer, reviewed Items 10, 11, 13 and 16 through 17, Ms. Rechelle Blank, Deputy Operating Officer, reviewed Items 12 and 14, and Ms. Judy Nam, Senior Water Resources Specialist, reviewed Item 15.

The Committee noted the information without formal action.

4.2. Review Capital Project Delivery Process.

Recommendation:

- A. Review and discuss the updated Capital Project Delivery Process;
- B. Review and discuss the addition of the following Board engagement points into the Capital Project Delivery Process for capital projects with unusually complex fiscal, jurisdictional, environmental, or community considerations:
 - i. During the Planning/Feasibility Phase, after identification of the Feasible Alternatives, but before selection of the Recommended Alternative, bring forward a presentation to the Capital Improvement Program (CIP) Committee regarding the Feasible Alternatives and staff's initially proposed Recommended Alternative and, if recommended by the CIP Committee, present to the Board for feedback in order to inform the selection of the Recommended Alternative; and
 - ii. For the projects for which the Board provided feedback regarding the Recommended Alternative, should changes to the project occur during the Planning and initial Design Phases that result in a significant deviation from the Recommended Alternative, staff will return to both the CIP Committee and the Board to provide information and receive feedback, as necessary, prior to the public review of the

California Environmental Quality Act (CEQA) document.

- C. Review and discuss the list of capital projects that staff has identified as meeting the criteria for additional Board engagement; and
- D. Recommend presenting the updated Capital Project Delivery Process, the list of capital projects that may require additional Board engagement, and the additional Board engagement/approval points to the Board for consideration, or provide alternative recommendations and feedback, as necessary.

Ms. Jessica Collins, Business Planning and Analysis Manager, reviewed the information on this item, per the attached Committee Agenda Memo, and the corresponding presentation materials contained in Attachment 1.

The Committee directed staff to move forward and present the updated Capital Project Delivery Process to the full Board.

- 4.3. Review Significant Project Plan Updates Since Adoption of the Adopted Fiscal Year 2021-25 Capital Improvement Program Five-Year Plan.

Recommendation: Review Significant Project Plan Updates Since Adoption of the Adopted Fiscal Year 2021-25 (FY 21-25) Capital Improvement Program (CIP) Five-Year Plan.

Mr. Hakes reviewed the information on this item, per the attached Committee Agenda Memo and staff reviewed project plan updates as follows: Mr. Hakes reviewed the Anderson Dam Seismic Retrofit and Pacheco Reservoir Expansion Projects; Mr. Mc Mahon and Mr. Brandon Ponce, Acting Engineer Unit Manager, reviewed the Penitencia Water Treatment Plant Residuals Management Project; Mr. Hakes and Mr. De La Piedra reviewed the Expedited Purified Water Program – Indirect Potable Water Reuse Project; Ms. Blank reviewed the Palo Alto Flood Basin Tide Gate Structure Improvements, Permanente Creek Flood Protection – Bay to Foothill Expressway, Lower Penitencia Creek Improvements – Berryessa to Coyote Creeks, Upper Llagas Flood Protection – Buena Vista Avenue to Llagas Road, and South San Francisco Bay Shoreline – EIA 11 Projects; and Ms. Collins reviewed the Capital Construction Management System Project.

The Committee directed staff to agenda the Palo Alto Flood Basin Tide Gate Structure Improvement Project for additional discussion at a future meeting.

- 4.4. Receive information on Upcoming Consultant Agreement Amendments for Capital Projects.

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

Ms. Blank reviewed the information on this item, per the attached Committee Agenda Memo and the proposed agreement amendments were reviewed by staff

as follows: Ms. Blank reviewed Amendment 6 to Agreement A2266A with RMC Water and Environment, and Mr. Emmanuel Aryee, Interim Assistant Officer, reviewed Amendment No. 8 to Agreement A3676A with URS Corporation and Amendment No. 9 to Agreement A3555A with Black and Veatch Corporation.

The Committee noted the information without formal action.

4.5. Review 2020 Capital Improvement Committee Work Plan.

Recommendation: Review the 2020 Capital Improvement Program Committee Work Plan, and make adjustments as necessary.

Chair Hsueh reviewed the information on this item, per the attached Committee Agenda Memo, and corresponding presentation materials contained in Attachment 1.

Chair Hsueh noted the following items to be included in the December 14, 2020 Capital Improvement Program Committee agenda, in addition to standing items:

- Capital Project Monitoring – Construction Report
- Contracts Compliance Process Review
- Preliminary Capital Improvement Program Review

The Committee noted the information without formal action.

5. INFORMATION ITEMS.

None.

6. CLERK'S REVIEW AND CLARIFICATION OF COMMITTEE REQUESTS AND RECOMMENDATIONS:

Ms. Natalie Dominguez, Assistant Deputy Clerk II, confirmed there were no new Committee Recommendations and Requests for Board consideration.

The following direction to staff was recorded:

Item 4.2:

The Committee directed staff to move forward and present the updated Capital Project Delivery Process to the full Board.

Item 4.3:

The Committee directed staff to agenda the Palo Alto Flood Basin Tide Gate Structure Improvement Project for additional discussion at a future meeting.

7. ADJOURN

Chairperson Hsueh adjourned the meeting at 11:40 a.m., to the next scheduled meeting at 10:00 a.m., on Monday, December 14, 2020, via Zoom video teleconference.

Natalie F. Dominguez, CMC
Assistant Deputy Clerk II

Approved:

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Santa Clara Valley Water District

File No.: 20-0139

Agenda Date: 12/14/2020

Item No.: 4.1.

COMMITTEE AGENDA MEMORANDUM

Capital Improvement Program Committee

SUBJECT:

Capital Project Monitoring - Construction

RECOMMENDATION:

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

SUMMARY:

The 2020 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:

Heath McMahon, 408-630-3126

Christopher Hakes, 408-630-3796

Rechelle Blank, 408-630-2615

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Capital Project Monitoring Report - December 2020

CM Services

Construction Phase

Row	Project No.	Project Name	Notes, Upcoming Board Actions or potential issues	In house	External	Combination
Water Supply						
1	91234011	Coyote Warehouse	Construction of 21,600 square-foot building and associated site improvements is complete. Occupancy permit approval anticipated from City of Morgan Hill in December 2020. Notice of Completion anticipated for Board approval February 2021.	X		
2	93294057	RWTP Reliability Improvement	Improvements included per Amendment #1 were completed in October 2020. Notice of Completion and acceptance by the Board are scheduled for December 8, 2020.		X	
3	93294057	RWTP Oak Woodland Project (Small Capital Project)	The Board accepted the work for this replanting project and directed filing of the Notice of Completion on September 22, 2020.	X		
4	95084002	10-Yr Pipeline Inspection & Rehabilitation (Cross Valley and Calero Pipeline)	Construction was completed in November 2020. Notice of Completion and acceptance by the Board is anticipated for January 2021.	X		
5	91214010	Pacheco Pumping Plant Priority 1 Fire Alarm & Suppression System Improvement	Construction contract was awarded by the Board on September 8, 2020. Contractor has mobilized onsite and work is scheduled to commence December 2020 after review of early submittals.	X		
6	93764004	Santa Teresa Water Treatment Plant Air Wash Pipeline Replacement Project	Construction contract was awarded by the Board on October 13, 2020. Preliminary investigation work is underway and contractor is scheduled to mobilize January 2021. The first half plant shutdown required to accommodate the work is planned for February 15, 2021 through April 2, 2021.	X		
7	95084002	10-Year Pipeline Inspection and Rehabilitation Project (Central and Parallel East Pipelines)	Construction contract was awarded by the Board on October 13, 2020. Shutdown of Central Pipeline is scheduled from January 4, 2021 through April 2, 2021. During the shutdown, an Acoustic Fiber Optic (AFO) monitoring system will be installed along with other miscellaneous appurtenances.	X		
Flood Protection						
8	26154002	Upper Guadalupe River Reach 6	A project to install gravel for fish habitat in a portion of Reach 6. Due to COVID-19 constraints, construction advertising of this project is planned for spring 2021; construction scheduled to begin in summer 2021.	X		
9	26244001	Permanente Creek, SF Bay to Foothill Expressway	Construction of channel work was completed in January, 2019; Construction of McKelvey Park was completed and the Board accepted completion of the work on June 23, 2020; an opening celebration was held on February 29, 2020; Construction of Rancho San Antonio Park Flood Detention Basin is on-going and expected to be completed in December 2020.	Rancho San Antonio	McKelvey Park	X
10	2617405126174	Upper Llagas Creek Flood Protection Project, Phase I	A significant portion of the project was completed in 2020, including excavation of over 700,000 cubic yards of soil for channel construction. The project is approximately 75-percent complete with completion scheduled for May 2022.	X		
11	40174005	Berryessa Creek, Lwr Penitencia Ck to Calaveras Blvd, Phase 2	Flood protection improvements and mitigation planting were completed and the Board accepted completion of the Lower Berryessa Creek Phase 2 construction on July 28, 2020. The revegetation plant establishment maintenance phase of the contract is in progress and will continue to 2023. The Lower Calera Creek portion is set to be advertised in January 2021; construction is anticipated to start in summer 2021.		X	X
12	40264008s	Lower Silver Creek, I-680 to Cunningham (Reach 4-6)	The revegetation plant establishment maintenance phase of the contract is expected to be completed in December 2020. Notice of Completion and acceptance by the Board anticipated for February 2021.	X		
13	40264011	Cunningham Flood Detention Certification	Construction work completed in October, 2019. The Board of Directors accepted project completion on December 10, 2019. Floodplain remapping information was submitted to FEMA on December 20, 2019. Plant establishment and maintenance phase of work and is estimated to be completed by the end of 2022.	X		X
14	62084001	Watershed Asset Rehabilitation Program	Two projects - Calabazas Rehabilitation from Miller Avenue to Bollinger Road and Piedmont Creek Interim Concrete Erosion Repair from Roswell to Dempsey Road - advertising for construction in spring 2021.	X		

Capital Project Monitoring Report - December 2020

CM Services

Construction Phase

Row	Project No.	Project Name	Notes, Upcoming Board Actions or potential issues	In house	External	Combination
Water Resources Stewardship						
15	26044002	Bolsa Road Fish Passage Improvement Project	Due to COVID-19 constraints, construction is planned to be advertised in winter 2021 for construction to begin in summer 2022.			X
Buildings & IT						
16	73274002	ERP System Implementation	The Finance, Supply Chain, Warehouse/Inventory, Payroll and Human Resources Teams are in the final phases of the Systems Integration Testing phase. The team is currently ahead of schedule executing nearly 1200 scripts designed to exercise all design elements of the ERP system. Phase 4 of the project (Extended HR) is ironing out final design details as it prepares for its first Conference Pilot. The major elements of project InForAll are scheduled to go live in the March-April timeline, while Phase 4 is scheduled for early Summer.	N/A	N/A	N/A
17	73274001	Information Technology Disaster Recovery	Valley Water, in partnership with Ankura Consulting Group LLC, completed a comprehensive evaluation of the Information Technology Disaster Recovery capabilities of both the Business and Operational (SCADA) infrastructures in alignment with project goals. The project team is now reviewing recommendations for next phase of the project. A number of different approaches are being refined; This study is likely to produce a two-to-three year timeline for implementation.	N/A	N/A	N/A
18	73274009	Data Consolidation	Staff is in the final phases of negotiating and enacting a small agreement with Hyland Inc. to implement their OnBase product as a proof of concept. During this POC, OnBase will be used to automate the processes of the CPRU unit as well as the Lands Management department. The agreement is expected to be awarded in December, with the POC lasting approximately 6 months.	N/A	N/A	N/A
19	73274012	Telephone System Voice Over IP	Staff has entered the contract negotiation phase with a single recommended vendor. Agreement is expected to be presented to the Board of Directors for approval in January, 2021.	N/A	N/A	N/A



Santa Clara Valley Water District

File No.: 20-1081

Agenda Date: 12/14/2020
Item No.: 4.2.

COMMITTEE AGENDA MEMORANDUM

Capital Improvement Program Committee

SUBJECT:

Update on the Palo Alto Flood Basin Tide Gate Structure Replacement Project, Project No. 10394001, (City of Palo Alto, District 7).

RECOMMENDATION:

Receive the Update on the Palo Alto Flood Basin Tide Gate Structure Replacement Project.

SUMMARY:

Project Background

The Palo Alto Flood Basin Tide Gate Structure (Structure) was constructed in 1957 by the Santa Clara County Flood Control and Water Conservation District (Valley Water), Santa Clara County, and the City of Palo Alto. A map of the basin is included as Attachment 1.

In 2012, Valley Water completed emergency repairs to stop seepage flow beneath the Structure following the monitoring of seepage in 2011. As part of that effort, staff prepared a post construction report as required by the United States Army Corps of Engineers' Emergency Permit which detailed the emergency work and recommended replacement of the Structure.

In 2014, Valley Water retained the services of Mark Thomas & Company (MT) to perform structural inspections and prepare an assessment report for the Structure. The report concluded that the Structure was generally in fair condition and recommended minor structural repairs.

In 2017, Valley Water retained a construction contractor to perform minor repairs under the existing Stream Maintenance Program (SMP) Permit. The work was complicated due to the cracks in the bottom slab and inability to dewater for the repair work, which resulted in the contract being terminated with the work incomplete. Subsequently, a structural assessment was performed by MT in October 2017 which concluded that the structure would be functional for a couple more years and recommended the Structure be replaced.

In 2018, project objectives were changed to replace the Structure and a new team commenced the CEQA process, planning, design, and construction of a new Structure with new Project-specific permits. The new Project team engaged MT to perform another assessment in January 2020 and it concluded that the Structure would still be good for another couple of years. Annual assessments will be performed until the new Structure is constructed and fully functional.

A more detailed description of the Project background was previously provided during the CIP Committee Meeting on December 9, 2019 which is available at the Project website <https://www.valleywater.org/pafbtidegates> and during the full Board of Directors Regular Meeting on February 11, 2020 which is also available at the Project website <https://www.valleywater.org/pafbtidegates>.

Project Status Update

Since the Project status was last presented to the Board of Directors on February 11, 2020, the proposed replacement Structure alignment and location has been slightly modified to reduce complications during the environmental permitting process. The proposed alignment can be seen in Attachment 2. In addition, due to the sensitive habitat, all excavated soil will have to be disposed off-site, rather than reused on-site as previously planned during the 30% design stage and preparation of the Mitigated Negative Declaration document.

The Project team held a Planning Phase Public Outreach Virtual Meeting on June 24, 2020. A recording of the virtual meeting is available at: <https://www.valleywater.org/pafbtidegates>. The Project team also presented a Project update at the City of Palo Alto Sea Level Rise Public Virtual Meeting on September 9, 2020. A recording of the virtual meeting is available at: <https://www.valleywater.org/pafbtidegates>. Director Gary Kremen attended both public virtual meetings.

The geotechnical engineering consultant completed its Draft Geotechnical Design Report in September 2020, which included recommendations for trail surface improvements. The Project team is coordinating with Valley Water's Operations & Maintenance (O&M) Division to determine if levee surfacing improvements can be made starting in mid-October 2021 and scheduled for completion by the end of January 2022, pending acquisition of all required project permits.

A constructability review was conducted in May 2020 as a part of the preliminary design due to the complex nature of the Project by engaging consultants who have experience in marine environment with heavy duty Cast-In-Drilled-Hole pile and structural construction. The 30% Design Phase was completed in October 2020. Currently, the Project team is working on the 60% Design Phase and incorporating the constructability review comments and Draft California Environmental Quality Act Mitigated Negative Declaration (CEQA MND) review comments.

The Draft CEQA MND was posted for public review and comment in September 2020. Staff is currently addressing these comments and performing additional hydraulic modeling and analysis as part of this effort. Staff anticipates finalizing the CEQA MND by early January 2021 and recommending the Board formally adopt the CEQA MND in late February 2021.

Staff anticipates submitting environmental permit applications by early January 2021 and aiming to have all Project permits acquired by the end of July 2021. The Palo Alto Flood Basin Tide Gate Structure Replacement Project is also being coordinated closely with the progress of the South San Francisco Bay Shoreline Phase II Feasibility Study.

The Project team has had multiple meetings with City of Palo Alto staff including members of the City's Parks and Recreation Commission regarding construction timing, temporary trail closures, phases and durations to perform the work. The anticipated trail closures are presented in Attachment 3. The Project team is planning to present the Project and request approval from the City of Palo Alto Parks and Recreation Commission after Valley Water formally adopts the CEQA MND.

Key Target Schedule Dates

Adopt CEQA MND: February 2021
Acquire All Environmental Regulatory Permits: July 2021
Valley Water O&M Levee Trail Surface Improvements: October 2021 - January 2022
Complete 100% Design: November 2021
Board Approval to Advertise Project: January 2022
Board Approval to Award Project & Contractor NTP: May 2022
Contractor On-Site Work Year #1: September 2022 - January 2023
Contractor On-Site Work Year #2: September 2023 - January 2024
Contractor On-Site Work Year #3: September 2024 - January 2025
Contractor On-Site Work Year #4: September 2025 - November 2025

Above dates are contingent upon acquiring all required permits.

FINANCIAL IMPACT:

The Board approved the FY21-25, 5-Year Capital Improvement Program (CIP) that includes \$30.5M for this Project. The current estimated cost is \$36.8M. The increase in cost is attributed to the trail improvements and offsite disposal of excavated soil described above. Cost increase information will be provided by staff during the FY22-26, 5-Year CIP process and during the FY22 Board budget approval process.

This Project is funded by the Watersheds and Stream Stewardship Fund 12. The Project team is currently discussing with City of Palo Alto staff, the possibility of the City reimbursing Valley Water for the motor-operated sluice gate and trail surface improvements which benefit the City. The Project team has applied for State of California Proposition 68 grant funding and anticipates hearing from the State in early 2021.

CEQA:

The recommended action does not constitute a project under the California Environmental Quality Act because it does not have the potential to result in direct or reasonably foreseeable indirect physical change in the environment.

ATTACHMENTS:

Attachment 1: Map
Attachment 2: Preliminary Design

File No.: 20-1081

Agenda Date: 12/14/2020
Item No.: 4.2.

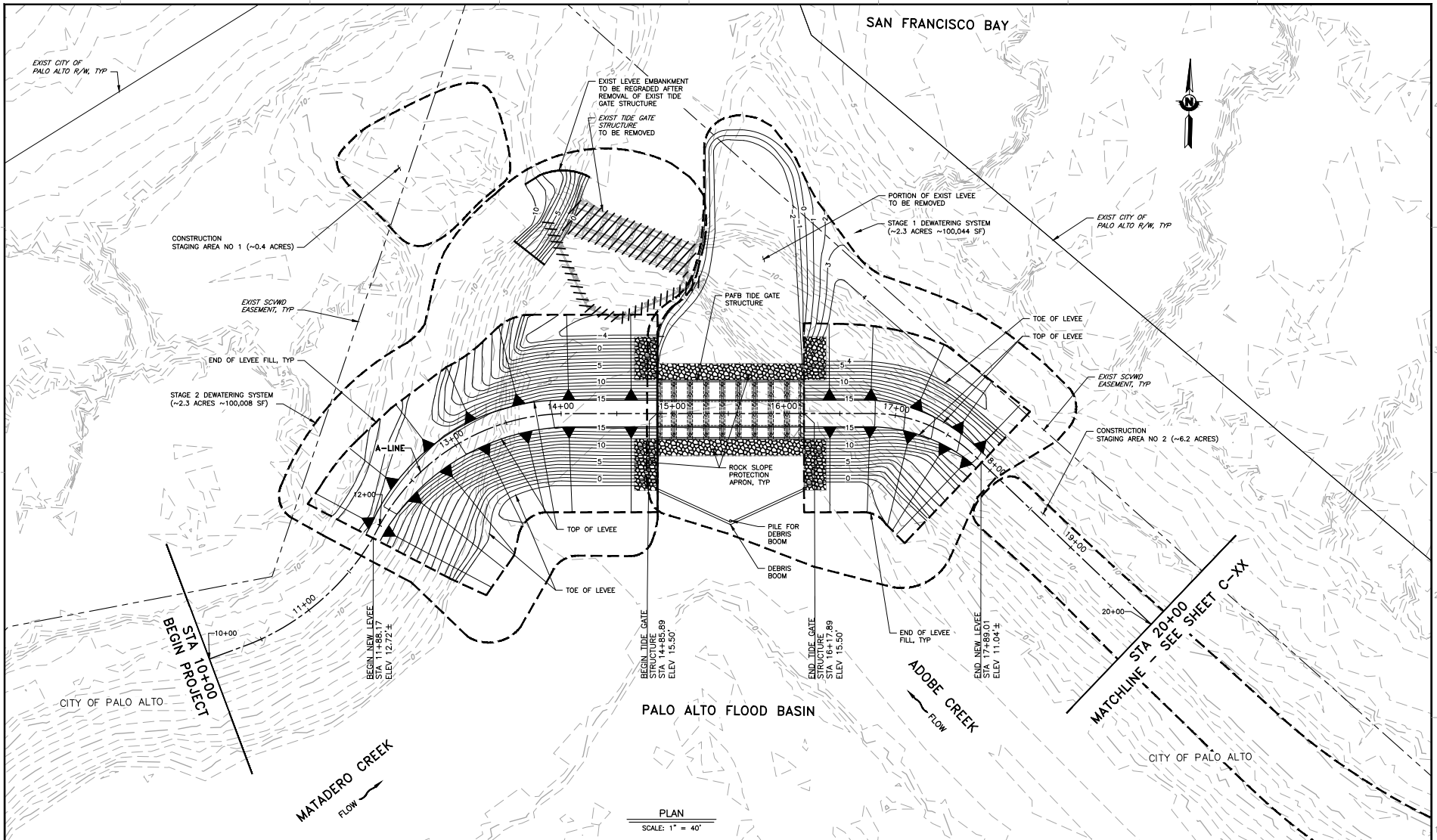
Attachment 3: Trail Closures
Attachment 4: Presentation

UNCLASSIFIED MANAGER:
Rechelle Blank, 408-630-2615

Palo Alto Flood Basin Tide Gate Structure Replacement Project Site Map



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PLAN
SCALE: 1" = 40'

REV	DESCRIPTION	DATE	APPR	REFERENCE INFORMATION AND NOTES	DATE	ENGINEERING CERTIFICATION	SANTA CLARA VALLEY WATER DISTRICT	PROJECT NAME AND SHEET DESCRIPTION:	SCALE	PROJECT NUMBER
	30% PLAN SEPT 2020			TIN SURFACE COMPILED FROM: AIRBORNE LIDAR, PROVIDED BY 360 AERIAL SURVEYS BATHYMETRIC SURVEYS, PROVIDED BY FOTH-CLE ENGINEERING GROUND SURVEYS BY SCOWD LAND SURVEYING & MAPPING UNIT SURVEYS PERFORMED IN JANUARY-FEBRUARY 2019. VERTICAL DATUM: NAVD 88	JULY 2020	DESIGN R. YAMANE DRAWN S. KAROGLU CHECKED XXXX		PALO ALTO TIDE GATE STRUCTURE REPLACEMENT PROJECT PLAN	SCALE AS SHOWN 0 1" BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	10394001 SHEET CODE: C-01 SHEET NUMBER: 3 OF XXXX

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Activity	Target Time Period			Trail Location (See Map Below)				Notes
	Start	End	Duration	Segment #1	Tide Gate Structure	Segment #2	Segment #3	
Trail Surface Improvements	10/15/2021	1/31/2022	3.5 months	Closed	Closed	Closed	Closed	
No Activity	2/1/2022	8/31/2022	7 months	Open	Open	Open	Open	
Year 1 Construction	9/1/2022	1/31/2023	5 months	Open	Closed	Closed	Closed	Construction Staging Phase 1 Work
No Construction	2/1/2023	8/31/2023	7 months	Open	Open	Closed	Open	
Year 2 Construction	9/1/2023	1/31/2024	5 months	Open	Closed	Closed	Closed	Construction Staging Phase 2 Work
No Construction	2/1/2024	8/31/2024	7 months	Open	Open	Closed	Open	
Year 3 Construction	9/1/2024	1/31/2025	5 months	Closed	Closed	Closed	Closed	Construction Staging Phases 3 & 4 Work
No Construction	2/1/2025	8/31/2025	7 months	Open	Open	Open	Open	Trail open on new tide gate structure
Year 4 Construction	9/1/2025	11/30/2025	3 months	Closed	Closed	Closed	Closed	Construction Staging Phase 5 Work
Project completed	12/1/2025	Onward	N/A	Open	Open	Open	Open	



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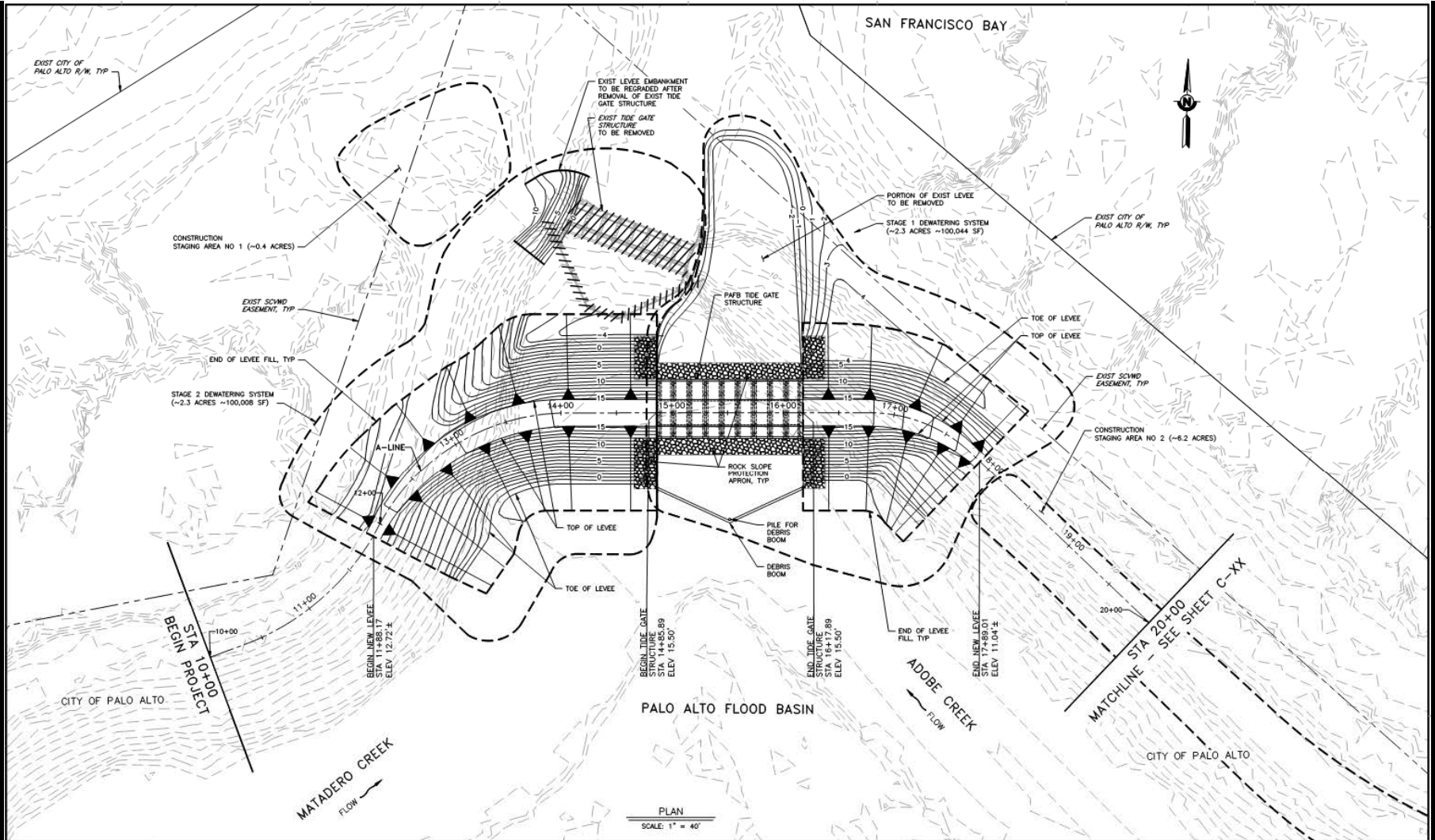


Palo Alto Flood Basin Tide Gate Structure Replacement

December 14th, 2020 CIP Committee Meeting
Project website: www.valleywater.org/pafbtidegates







REV	DESCRIPTION	DATE	APPR	REFERENCE INFORMATION AND NOTES	DATE	ENGINEERING CERTIFICATION	SANTA CLARA VALLEY WATER DISTRICT	PROJECT NAME AND SHEET DESCRIPTION:	SCALE	PROJECT NUMBER
	30% PLAN SEPT 2020			TIN SURFACE COMPILED FROM AIRBORNE LIDAR, PROVIDED BY 360 AERIAL SURVEYS BATHYMETRIC SURVEYS, PROVIDED BY FOTH-CLE ENGINEERING GROUND SURVEYS BY SCWD LAND SURVEYING & MAPPING UNIT SURVEYS PERFORMED IN JANUARY-FEBRUARY 2019. VERTICAL DATUM: NAVD 88	JULY 2020			PALO ALTO TIDE GATE STRUCTURE REPLACEMENT PROJECT	AS SHOWN	10394001
					DESIGN			PLAN	VERIFY SCALES	SHEET CODE:
					R. YAMANE			0 1'	BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET ADJUST SCALES ACCORDINGLY	C-01
					DRAWN					SHEET NUMBER:
					S. KAROGLU					3 OF XXX
					CHECKED					
					XXXX	PROJECT ENGINEER	DATE			

Activity	Target Time Period			Trail Location (See Map Below)				Notes
	Start	End	Duration	Segment #1	Tide Gate Structure	Segment #2	Segment #3	
Trail Surface Improvements	10/15/2021	1/31/2022	3.5 months	Closed	Closed	Closed	Closed	
No Activity	2/1/2022	8/31/2022	7 months	Open	Open	Open	Open	
Year 1 Construction	9/1/2022	1/31/2023	5 months	Open	Closed	Closed	Closed	Construction Staging Phase 1 Work
No Construction	2/1/2023	8/31/2023	7 months	Open	Open	Closed	Open	
Year 2 Construction	9/1/2023	1/31/2024	5 months	Open	Closed	Closed	Closed	Construction Staging Phase 2 Work
No Construction	2/1/2024	8/31/2024	7 months	Open	Open	Closed	Open	
Year 3 Construction	9/1/2024	1/31/2025	5 months	Closed	Closed	Closed	Closed	Construction Staging Phases 3 & 4 Work
No Construction	2/1/2025	8/31/2025	7 months	Open	Open	Open	Open	Trail open on new tide gate structure
Year 4 Construction	9/1/2025	11/30/2025	3 months	Closed	Closed	Closed	Closed	Construction Staging Phase 5 Work
Project completed	12/1/2025	Onward	N/A	Open	Open	Open	Open	



Recent Key Events

- 12/2019 – Project Update to CIP Committee
- 2/2020 – Project Update to Full Board of Directors
- 6/2020 – Planning Phase Level Public Outreach Virtual Meeting
- 9/2020 – City of Palo Alto Sea Level Rise Public Virtual Meeting
- 9/2020 – Draft CEQA MND Posted for Public Review and Comment
- 10/2020 – 30% Design Milestone Complete

Key Target Schedule Dates

- 2/2021 – Board Formally Adopts CEQA MND
- 7/2021 – Acquire All Environmental Regulatory Permits
- 10/2021 to 1/2022 – O&M Constructs Levee Trail Surface Improvements
- 11/2021 – Complete 100% Design (PS&E)
- 1/2022 – Board Approval to Advertise Project
- 5/2022 – Board Approval to Award Project & Contractor NTP
 - 9/2022 to 1/2023 – Contractor On-Site Work Year #1
 - 9/2023 to 1/2024 – Contractor On-Site Work Year #2
 - 9/2024 to 1/2025 – Contractor On-Site Work Year #3
 - 9/2025 to 11/2025 – Contractor On-Site Work Year #4

QUESTIONS



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Santa Clara Valley Water District

File No.: 20-1094

Agenda Date: 12/14/2020
Item No.: 4.3.

COMMITTEE AGENDA MEMORANDUM

Capital Improvement Program Committee

SUBJECT:

Draft Preliminary Five-Year Capital Improvement Program Fiscal for Years 2022-2026.

RECOMMENDATION:

Review and discuss the Draft Preliminary Five-Year Capital Improvement Program for Fiscal Years 2022-2026 and provide recommendations to staff as needed.

SUMMARY:

The purpose of this agenda item is for the Committee to review and discuss the Draft Preliminary Capital Improvement Program (CIP) for Fiscal Years (FY) 2022-2026 (Attachment 1). This version of the document includes the status of existing projects and a list of previously validated, unfunded projects (Attachment 2).

The Five-Year CIP is updated each year to reflect major changes to Valley Water's capital projects in the planning, design and construction phases.

Highlighted below and included in the FY 2022-2026 Preliminary CIP and the Draft Preliminary CIP Financial Models (Attachment 3), are the significant updates from the prior FY.

Fund 61, Water Utility Enterprise Fund

91864005 Anderson Dam Seismic Retrofit: Taking into account new Federal Energy Regulatory Commission (FERC) projects, increase of \$102.9M in the Total Project Cost (TPC) over the next five years, resulting in an overall TPC of approximately \$648M.

91894002 Guadalupe Dam Seismic Retrofit: Project updated to reflect a delay in construction by three years. No change to TPC.

91874004 Calero Dam Seismic Retrofit: Design placed on hold; FY21 and FY22 expenditures reduced and pushed out to FY31, closer the start of construction. No change to TPC.

91954002 Pacheco Reservoir Expansion: Increase in TPC of over \$1B, resulting in an uninflated overall TPC of \$2,203,321,000 (inflated TPC is \$2.5B). Changes substantially due to findings by Geotech investigation, increased prices, and more extensive work required than

previously presumed.

92264001 Vasona Pump Station Upgrades: Project schedule updated to reflect a one-year delay due to the project initially being put on hold. No change to TPC.

93294057 Rinconada Water Treatment Plant Reliability Improvement Project: Project schedule extended one year to FY26 and expenditures updated to include new projections for additional design and the construction of Phases 3-6 after the closeout of Phases 1 and 2 construction; increase of \$18M for a new TPC of \$355M.

93234044 Penitencia Water Treatment Plant Residuals Management: Adding work to existing scope, resulting in an increase in the total project cost of approximately \$30M; new total project cost is \$39M uninflated.

93084004 WTP Electrical Improvement: Project plan updated to reflect a delay in project schedule of about a year due to allocation of staff resources to the completion of RWTP RIP Phase 2. No change to TPC.

91094010 South County Recycled Water Pipeline: Project schedule extended by two years; construction anticipated to end in summer 2022.

91304001 Expedited Purified Water Program: Construction to start two years sooner than previously planned - now in FY25; design schedule reduced by two years; construction duration reduced by half. These changes have resulted in an increase of \$6.1M over the next six years, resulting in a new overall TPC of \$537.1M. This program is planned to be delivered via a Public-Private Partnership (P3); the P3 entity will finance the costs upfront; the capital cost estimate made in the CIP is for informational purposes only.

91234010 Small Caps, San Felipe Reaches 1- 3: Total Cost increased by \$35M primarily due to the addition of the replacement of large pumps and motors at the Pacheco Pumping Plant beginning in FY28 as they are reaching the end of their life.

92764009 Small Caps, Raw Water Transmission: \$100K added to FY22 for SCADA historian for distribution system.

93764004 Small Caps, Water Treatment: \$1.8M added to FY22 for Silicon Valley Advanced Water Purification Center office trailer and storage building; San Francisco Public Utilities Commission Intertie Phosphoric Acid System Improvements; and for the new SCADA data historian for treatment plants.

95074039 Capital Construction Management System: Project name updated for clarity; new name is Capital Project Management Information System (PMIS); scope updated to include more Valley Water business areas; schedule extended by one year, resulting in an increase of \$1.3M. New total project cost (TPC) is \$2.5M

Fund 12, Watershed Stream Stewardship Fund

10394001 Palo Alto Flood Basin Tide Gate Structure Improvements: Project schedule extended by two years, resulting in an increase of \$6.33M, resulting in a new inflated TPC of \$39.1M.

40334005 Lower Penitencia Creek Improvements, Berryessa to Coyote Creeks: Construction delayed to summer 2021 due to finalizing the Master Agreement with Milpitas. This did not pose any changes to the TPC.

00044026 San Francisco Bay Shoreline, Project EIA 11: Project extended by approximately 2.5 years; closeout now set for 12/31/2028. Project cost increased by \$36M associated with the increase in acquisition cost of Pond A18 from \$13M to \$16M and USACE project construction costs increase for Reaches 1-3. Valley Water is aiming to defer \$21M of the \$36M cost increase to future years.

62044001 Watershed Habitat Enhancement Studies: Project schedule updated to reflect a three-month delay in the beginning of the planning phase and a project cost increase of \$599K resulting in a new TPC of \$4.2M.

40174005 Lower Berryessa, Lower Penitencia Creek to Calaveras Blvd: Project plan updated to reflect a three-year extension to the project and an increase of \$22.7M, mostly for construction costs. This includes a \$10.6M budget adjustment for the phased encumbrance of the construction contract in FY21, which will go to the Board of Directors for approval as a mid-year budget adjustment.

Fund 26, Safe, Clean Water and Natural Flood Protection Fund

26244001 Permanente Creek Flood Protection Project, Bay to Foothill Expressway: Increase of \$6M for the Rancho San Antonio Flood Detention Basin Project, resulting in a new inflated TPC of \$98.8M due to the discovery of cultural resources and ensuing delays. Project schedule has been shortened by one year and will now be complete by the end of FY21.

26284002 San Francisquito Flood Protection Project: The passing of Measure S for the Safe, Clean Water (SCW) renewal resulted in an increase of \$4.5M in funding. Additionally, right of way and construction costs were updated based on assessments by SFCJPA, resulting in an additional project increase of \$17M. The new TPC is \$96.4M.

Upper Llagas Flood Protection Projects, Buena Vista Avenue to Llagas Road: This project includes three active project numbers - one for right of way acquisition (26174051), one for construction (26174052) and one for design and engineering support during construction (26174054). All three have been updated as outlined here.

26174051: Project schedule updated to reflect an extension of time required for right of way acquisition, including temporary construction staging right of way by 4.5 years. New end date for this project number is 6/30/2025.

26174052: On 11/05/20 Phase 2A (local funding only) project costs were updated to include an increase of \$22M. On 11/25/20, Phase 2B project costs were updated to include a \$25.8M-shortfall. Both revisions to Phases 2A and 2B bring the total project cost to \$250M.

26174054: Project cost increased by \$47K, resulting in a new TPC of \$28.8M due to an increase in costs for design of Upper Llagas Phases 2A to coordinate with the City of Morgan Hill's Hale Avenue Extension Project.

26174043 Coyote Creek Flood Protection Project: As a result of the FERC order for the Anderson Dam Seismic Retrofit Project, a portion of the Coyote Creek Flood Protection Project has been removed from this project plan and from the project expenditures and incorporated into the Anderson Dam Tunnel Project. The remaining project costs were updated to reflect increased estimates for real estate acquisition, design and construction. When combined with the decrease in project costs for the portion of the project that was removed, the result is a net decrease of \$2M in total project cost, resulting in a new TPC of \$57.9M. Project schedule for design extended by two years to 1/15/2024; construction and closeout extended by one year.

26444002 San Francisco Bay Shoreline, Other EIAs: The passing of Measure S for the SCW renewal means that funds for Phase II design and construction are now included in this program, resulting in an increase of \$15.9M for design and an increase of \$15.6M for construction. The total project cost has therefore increased by \$32M, resulting in a new TPC of approximately \$38M.

26444003 South Bay Salt Ponds Restoration: In the renewed Safe, Clean Water Program, the project name, description, benefits and key performance indicators have been updated. Based upon these updates, the project no longer qualifies as a capital project and therefore will be closing out at the end of FY21. The work to accomplish under this project will continue under a new operations project starting in FY22.

Fund 71, Equipment Fund

No updates

To receive the Board's feedback and direction, staff will present the Draft Five-Year Preliminary CIP and any CIP Committee recommendations to the Board to the Board for approval on January 12, 2021.

ATTACHMENTS:

Attachment 1: Draft Preliminary FY 2022-2026 CIP

Attachment 2: FY22 Unfunded Projects

Attachment 3: Draft Preliminary CIP Financial Models

File No.: 20-1094

Agenda Date: 12/14/2020
Item No.: 4.3.

UNCLASSIFIED MANAGER:
Heath McMahon, 408-630-3126
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Chris Hakes, 408-630-3796

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PRELIMINARY FY22 - 26 CIP

PRELIMINARY CIP

Water Supply Projects

Revenue Sources: Groundwater Charges

FY 2022 5-Year CIP Data

Number	Project Name	A	B	A + B			Project Phase (FY22)	Funded By	Zone W-2 %	Zone W-5 %	Zone W-7 %	Zone W-8 %
		Actual/ Appropriated thru FY21*	Remaining Cost to Completion	FY22 Plnd Expnd	FY22-36 Project Value	Change from FY21						

Values last updated: 12/08/20 (All values are in thousands)

FY 2022 - 2026 CIP

Water Supply - Storage

91854001	Almaden Dam Improvements	14,426	51,582	105	66,008	(1,439)	Design	W-2	100%			
91864005	Anderson Dam Seismic Retrofit (C1)	116,598	531,953	106,935	648,551	72,306	Design	W-2/W-5/W-7/SCW	82.1%	9.8%	8.1%	0.0%
91084020s	Calero and Guadalupe Dams Seismic Retrofits	33,075	228,367	3,161	261,442	770	Plng/Des	W-2	100.0%			
91084020	Calero and Guadalupe Dams Seismic Retrofits - Planning	11,040	2,451	2,080	13,491	61	Planning	W-2	100.0%			
91874004	Calero Dam Seismic Retrofit - Design & Construct	12,194	152,245	209	164,439	(3,634)	Design	W-2	100.0%			
91894002	Guadalupe Dam Seismic Retrofit - Design & Construct	9,841	73,671	872	83,512	4,343	Design	W-2	100.0%			
91234002	Coyote Pumping Plant ASD Replacement	4,377	10,754	6,061	15,131	(361)	Planning	W-2	100.0%			
91234011	Coyote Warehouse	9,644	139	73	9,783	(7)	Const/Closeout	W-2/W-5/W-7/W-8	77.0%	17.6%	5.0%	0.4%
91084019	Dam Seismic Stability Evaluation	22,235	7,362	5,225	29,597	(854)	Planning	W-2/W-5/W-7/W-8	66.7%	32.6%	0.0%	0.7%
91954002	Pacheco Reservoir Expansion Project	80,149	2,439,472	31,054	2,519,621	1,174,272	Plng/Des	W-2/W-5/W-7/W-8	83.9%	10.5%	5.5%	0.1%
91214010s	Small Capital Improvements, San Felipe Reach 1-3	5,724	74,236	2,917	79,960	35,815	Continuing	W-2/W-5/W-7	82.3%	8.0%	9.7%	0.0%
Subtotal:		286,228	3,343,865	155,531	3,630,093	1,280,502						

Water Supply - Transmission

95084002	10-Year Pipeline Rehabilitation (FY18-FY27)	71,921	37,252	10,966	109,173	(2,397)	Plng/Des/Const	W-2/W-5/W-7/W-8	94.5%	4.2%	1.2%	0.1%
92304001	Almaden Valley Pipeline Replacement Project	668	89,362	828	90,030	353	Planning	W-2	100.0%			
95044001	Distribution Systems Implementation Project	2,000	5,909	3,241	7,909	(338)	Planning	W-2/W-5/W-7/W-8	83.6%	10.6%	5.7%	0.1%
92C40357	FAHCE Implementation	-	145,108	-	145,108	-	Planning	W-2/W-5/W-7	94.0%	2.7%	3.3%	0.0%
26764001	IRP2 Additional Line Valves (A3)	2,121	9,447	1,834	11,568	(370)	Design	SCW	100.0%			
26564001	Main & Madrone Pipelines Restoration (A1)	17,570	-	-	17,570	-	Closeout	W-5/W-7/SCW	0.0%	87.9%	12.1%	0.0%
92144001	Pacheco/Santa Clara Conduit Right of Way Acquisition	3,329	1,973	1,667	5,302	(107)	Design/Const	W-2/W-5/W-7	82.1%	8.1%	9.8%	0.0%
95044002	SCADA Implementation Project	1,365	5,115	2,387	6,480	(295)	Design/Const	W-2/W-5/W-7/W-8	83.6%	10.6%	5.7%	0.1%
92764009	Small Capital Improvements, Raw Water Transmission	82	11,810	169	11,892	3,293	Continuing	W-2/W-5/W7/W-8	83.6%	10.6%	5.7%	0.1%
94764006	Small Capital Improvements, Treated Water Transmission	-	531	36	531	(145)	Continuing	W-2	100.0%			
94084007	Treated Water Isolation Valves	116	8,664	195	8,780	(365)	Design	W-2	100.0%			
92264001	Vasona Pump Station Upgrade	3,123	20,621	717	23,744	(43)	Planning	W-2	100.0%			
94084008	Westside Retailer Interties	139	1,778	343	1,917	(83)	Planning	W-2	100.0%			
Subtotal:		102,434	337,570	22,383	440,004	(497)						

PRELIMINARY FY22 - 26 CIP

PRELIMINARY CIP

Water Supply Projects

Revenue Sources: Groundwater Charges

FY 2022 5-Year CIP Data

Number	Project Name	A	B	A + B		Project Phase (FY22)	Funded By	Zone W-2 %	Zone W-5 %	Zone W-7 %	Zone W-8 %
		Actual/ Appropriated thru FY21*	Remaining Cost to Completion	FY22 Plnd Expend	FY22-36 Project Value						
Values last updated: 12/08/20 (All values are in thousands)											
Water Supply - Treatment											
93234044	PWTP Residuals Management	683	43,572	1,987	44,255	34,512	Planning	W-2	100.0%		
93294051s	RWTP Residuals Remediation	49,850	7,883	3,764	57,733	(362)	Construction	W-2	100%		
93294057	RWTP Reliability Improvement	251,648	107,672	20,841	359,320	17,982	Construction	W-2	100%		
93294056	RWTP Treated Water Valves Upgrade	8,619	11	11	8,630	1	Const/Closeout	W-2	100%		
93764004	Small Capital Improvements, Water Treatment	10,285	43,992	7,503	54,277	(1,596)	Continuing	W-2	100%		
93284013	STWTP Filter Media Replacement Project	647	9,453	2,813	10,100	(355)	Planning	W-2	100%		
93084004	Water Treatment Plant Electrical Improvement Project	649	11,267	879	11,916	(73)	Planning	W-2	100%		
93044001	WTP Implementation Project	1,394	6,740	3,322	8,134	(447)	Planning	W-2	100%		
	Subtotal:	323,775	230,590	41,120	554,365	49,662					
Water Supply - Recycled Water											
91304001s	Expedited Purified Water Program (EPWP)*	25,323	592,472	2,926	617,795	397,526	Planning	W-2	100%		
91094001	Land Rights - South County Recycled Water PL	204	7,041	3,679	7,245	7,245	Planning	W-5	0%	100%	0%
91094007s	South County Recycled Water Pipeline	36,447	20,288	15,393	56,735	(961)	Des/Const	W-5	0%	100%	0%
	Subtotal:	61,974	619,801	21,998	681,775	403,810					
	Water Supply Total:	774,411	4,531,826	241,032	5,306,237	1,897,300					

*The Expedited Purified Water Program is planned to be delivered via a Public-Private Partnership (P3); the P3 entity will finance the costs upfront; the capital cost estimate made in the CIP is for informational purposes only.

PRELIMINARY FY22 - 26 CIP

PRELIMINARY CIP

Water Supply Projects

Revenue Sources: Groundwater Charges

FY 2022 5-Year CIP Data

Number	Project Name	A	B	A + B		Project Phase (FY22)	Funded By	Zone	Zone	Zone	Zone
		Actual/ Appropriated thru FY21*	Remaining Cost to Completion	FY22 Plnd Expnd	FY22-36 Project Value			Change from FY21	W-2 %	W-5 %	W-7 %

Values last updated: 12/08/20 (All values are in thousands)

Validated - Future Unfunded Projects

92404003	Alamitos Diversion Dam Improvements	1,811	2,345	-	4,156	-	**	W-2	100%			
92484003	Coyote Diversion Dam Improvements	436	2,138	-	2,574	-	**	W-2	100%			
91C40320	Dam Seismic Retrofit at 2 Dams (Chesbro & Uvas)	-	89,500	-	89,500	-		W-8	0%	0%	0%	100%
93C40417	RWTP Ammonia Storage & Metering Facility Upgrade	279	5,851	-	5,851	-		W-2	100%			
91C40389	Long-Term Purified Water Program Elements	-	207,125	-	207,125	-	FY23	W-2	100%			
91C40395	So. County Recycled Water New Storage Tank	1,000	7,000	-	8,000	-		W-5	0%	100%	0%	0%
Validated - Unfunded Total:		3,526	313,959	-	317,206	-						

Legend:

- Black - Black Text: Continuing projects or projects carried forward from the FY21 CIP
- Gray - Gray Text: Individual projects considered part of a group or family of projects
- Orange - Orange Text: Projects to be completed or cancelled in FY 2021
- Green - Green Text: Projects in the Construction phase
- Blue - Blue Text: New projects proposed for the FY 22 CIP
- * - Column A: Actuals spent through prior year + planned expenditures in current year
- Planning completed

Funded by Legend:

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

PRELIMINARY FY22 - 26 CIP

Flood Protection Projects

PRELIMINARY CIP

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

FY 2022 5-Year CIP Data

Number	Project Name	A	B	A + B		Project Phase (FY22)	Funded By
		Actual/ Appropriated thru FY21*	Remaining Cost to Completion	FY22 Plnd Expnd	FY22-36 Project Value		

Values last updated: 12/08/20 (All values are in thousands)

FY 2022 - 2026 CIP

Lower Peninsula Watershed

10394001	Palo Alto Flood Basin Tide Gate Structure Improvements	3,923	35,127	3,614	39,050	6,285	Plan/Des	PT
10244001s	Permanente Creek, SF Bay to Foothill Expressway	116,039	-	-	116,039	9,378	Const/Closeout	PT/CSC
10284007s	San Francisquito Creek, SF Bay thru Searsville Dam (E5)	63,120	43,906	12,726	107,026	17,743	Des/Const	PT/CSC/SCW
Subtotal:		183,082	79,033	16,340	262,115	33,406		

West Valley Watershed

26074002	Sunnyvale East and West Channels	37,918	32,716	17,705	70,634	199	Design	CSC
Subtotal:		37,918	32,716	17,705	70,634	199		

Guadalupe Watershed

30154019	Guadalupe River Tasman Dr - I-880	2,919	92,992	2,676	95,911	(3,169)	Planning	PT
26154001s	Guadalupe River–Upper, I-280 to Blossom Hill Road (E8)	119,403	49,089	26,315	168,492	(1,923)	Des/Const	CSC/SCW
Subtotal:		122,322	142,081	28,991	264,403	(11,979)		

PRELIMINARY FY22 - 26 CIP

Flood Protection Projects

PRELIMINARY CIP

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

FY 2022 5-Year CIP Data

Number	Project Name	A	B	A + B		Project Phase (FY22)	Funded By
		Actual/ Appropriated thru FY21*	Remaining Cost to Completion	FY22 Plnd Expnd	FY22-36 Project Value		
Values last updated: 12/08/20 (All values are in thousands)							
Coyote Watershed							
26174041s	Berryessa Creek, Calaveras Boulevard to Interstate 680	54,585	-	-	54,585	4	Des/Const CSC
40174004s	Berryessa Ck, Lower Penitencia Ck to Calaveras Blvd	119,642	89,284	12,393	208,926	27,441	Des/Const PT
26174043	Coyote Creek, Montague Expressway to Tully Road	14,706	48,230	4,126	62,936	(3,394)	Plng/Des CSC
40264011	Cunningham Flood Detention Certification	11,807	31	31	11,838	(4)	Construction PT
40334005	Lower Penitencia Ck Improvements, Berryessa to Coyote Cks.	11,529	16,494	7,733	28,023	211	Des/Const PT
40264007s	Lower Silver Creek, I-680 to Cunningham (Reach 4-6)	101,671	107	52	101,778	(69)	Construction Subvent
40324003s	Upper Penitencia Creek, Coyote Creek to Dorel Drive	17,877	19,535	2,629	37,412	621	Planning PT/SCW
	Subtotal:	331,817	173,681	26,964	505,498	24,810	
Uvas/Llagas Watershed							
50284010	Llagas Creek-Lower, Capacity Restoration, Buena Vista Road to Pajaro River	4,184	9,855	130	14,039	287	Design Subvent
26174051s	Llagas Creek-Upper, Buena Vista Avenue to Llagas Road	168,236	164,682	60,360	332,918	47,882	Construction CSC/SCW
	Subtotal:	172,420	174,537	60,490	346,957	48,169	
Multiple Watershed							
00044026s	San Francisco Bay Shoreline (E7)	119,785	100,430	22,275	220,215	75,176	Construction PT
00044026	San Francisco Bay Shoreline	97,664	57,092	21,648	154,756	34,445	Des/Const PT
26444001	San Francisco Bay Shoreline - EIA 11 Design & Partial Construction (E7)	17,515	-	-	17,515	(1)	Des/Const PT
26444002	San Francisco Bay Shoreline - Other EIAs Planning (E7)	3,757	43,338	627	47,095	40,732	Planning PT
62084001	Watersheds Asset Rehabilitation Program	39,362	146,429	2,379	185,791	(5,094)	Plng/Des/Const PT
	Subtotal:	159,147	246,859	24,654	406,006	70,082	
	Flood Protection Total:	1,006,706	848,907	175,144	1,855,613	164,687	

PRELIMINARY FY22 - 26 CIP

Water Resources Stewardship Projects

Revenue Sources: Groundwater Charges, Property Tax, Subventions

PRELIMINARY CIP

FY 2022 5-Year CIP Data

Number	Project Name	A	B	A + B		Change from FY21	Project Phase (FY22)	Funded By
		Actual/ Appropriated thru FY21*	Remaining Cost to Completion	FY22 Plnd Expnd	FY22-36 Project Value			

Values last updated: 12/08/20 (All values are in thousands)

FY 2022 - 2026 CIP

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

62184001	SMP Mitigation, Stream and Watershed Land Preservation	16,768	-	-	16,768	133	Continuing	PT
Subtotal:		16,768	-	-	16,768	133		

Environmental Enhancement & Stewardship

Lower Peninsula Watershed

00294001s	Stevens Creek Fish Passage Enhancement	850	18,578	-	19,428	(107)	FY22	W-2 (90%)/PT(10%)
26164001	Hale Creek Enhancement Pilot Study (D6)	5,025	3,824	3,824	8,849	(143)	Const/Closeout	CSC/SCW

Guadalupe Watershed

26044001	Almaden Lake Improvements (D4.1a)	5,729	26,124	1,769	31,853	82	Design	CSC/SCW
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Coyote Watershed

00C40400s	Watershed Habitat Enhancement Design & Construction	-	68,333	-	68,333	6,807	FY22	
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Multiple Watersheds (Lower Peninsula, Guadalupe, Coyote, Uvas/Llagas)

20444001s	Salt Ponds A5-11 Restoration	5,558	2,288	585	7,846	(3,989)	Planning	PT/SCW
26044002	SCW Fish Passage Improvements (D4.3; Bolsa, Evelyn, Singleton)	5,327	8,347	5,945	13,674	4,904	Construction	SCW
26C40370	SCW Implementation Fund	-	3,529	-	3,529	-	Planning	SCW
26C40419	D6.3 Priority Project (Placeholder)	-	6,658		6,658	3,129	Planning	SCW
26044003	Ogier Ponds Separation from Coyote Creek (D4.1b)	1,086	2,998	2,058	4,084	(169)	Planning	SCW

Subtotal:	23,575	140,679	14,181	164,254	14,043			
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Feasibility Studies

62044001	Watershed Habitat Enhancement Studies	4,204	-	-	4,204	596	Plan/Feasibility	PT
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Subtotal:	4,204	-	-	4,204	596			
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Water Resources Stewardship Total:	44,547	140,679	14,181	185,226	14,772			
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PRELIMINARY FY22 - 26 CIP

Water Resources Stewardship Projects

PRELIMINARY CIP

Revenue Sources: Groundwater Charges, Property Tax, Subventions

FY 2022 5-Year CIP Data

Number	Project Name	A	B	A + B			Funded By
		Actual/ Appropriated thru FY21*	Remaining Cost to Completion	FY22 Plnd Expnd	FY22-36 Project Value	Change from FY21	
Values last updated: 12/08/20 (All values are in thousands)							

Validated - Future Unfunded Projects

Stewardship

None	-	-	-	-	-	-
Validated - Unfunded Total:				-	-	-

NOTES:

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

Legend:

- Black - Black Text: Continuing projects or projects carried forward from the FY21 CIP
- Orange - Orange Text: *Projects to be completed or cancelled in FY 2021*
- Green - Green Text: *Projects in the Construction phase*
- Blue - Blue Text: *New projects proposed for the FY 22 CIP*
- * - Column A: Actuals spent through prior year + planned expenditures in current year

Funded by Legend:

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

PRELIMINARY FY22 - 26 CIP

Buildings and Grounds Projects

Revenue Source: Groundwater Charges, Property Tax

PRELIMINARY CIP

FY 2022 5-Year CIP Data

Number	Project Name	A	B	A + B		Project Phase (FY22)	Funded By	WUE %	WSS %	SCW %
		Actual/ Appropriated thru FY21*	Remaining Cost to Completion	FY22 Plnd Expnd	FY22-36 Project Value					

Values last updated: 12/08/20 (All values are in thousands)

FY 2022 - 2026 CIP

60204016	Facility Management, Small Capital Improvements	3,016	26,984	2,984	30,000	(2,063)	Continuing	PT/W-2/W-5	60%	40%	0%
60204032	Headquarters Operations Building	19	15,586	2,090	15,605	(810)	Continuing	PT/W-2/W-5	60%	40%	0%
Buildings & Grounds Total:		3,035	42,570	5,074	45,605	(2,873)					

Validated - Future Unfunded Projects

60C40363	Fleet and Facility Annex Improvements	920	3,799	-	4,719	-		PT/W-2/W-5	60%	40%	0%
Validated - Unfunded Total:		920	3,799	-	4,719						

Legend:

- Black - Black Text: Continuing projects or projects carried forward from the FY21 CIP
- Orange - Orange Text: Projects to be completed or cancelled in FY 2021
- Green - Green Text: Projects in the Construction phase
- Blue - Blue Text: New projects proposed for the FY 22 CIP
- * - Column A: Actuals spent through prior year + planned expenditures in current year

Funded by Legend:

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

PRELIMINARY FY22 - 26 CIP

Information Technology Projects

Revenue Source: Groundwater Charges, Property Tax

PRELIMINARY CIP

FY 2022 5-Year CIP Data

Number	Project Name	A	B	A + B		Change from FY21	Project Phase (FY22)	Funded By	WUE %	WSS %	SCW %
		Actual/ Appropriated thru FY21*	Remaining Cost to Completion	FY22 Plnd Expnd	FY22-36 Project Value						

Values last updated: 12/08/20 (All values are in thousands)

FY 2022 - 2026 CIP

73274009	Data Consolidation	1,158	75	75	1,233	(2)	Construction	PT/W-2/W-5	65%	35%	0%
73274011	E-Discovery Management System	546	-	-	546	(15)	Const/Closeout	PT/W-2/W-5	65%	35%	0%
73274001	IT Disaster Recovery	2,397	206	206	2,603	140	Construction	PT/W-2/W-5	65%	35%	0%
73274002	ERP System Implementation	14,910	2,528	2,280	17,438	60	Construction	PT/W-2/W-5	65%	35%	0%
73274012	Telephone System Voiceover IP	1,247	1	1	1,248	-	Des/Const	PT/W-2/W-5	65%	35%	0%
73274008	Software Upgrades & Enhancements	4,055	11,315	372	15,370	(1,701)	Des/Const	PT/W-2/W-5	65%	35%	0%
95274003	WTP-WQL Network Equipment	2,908	8,648	89	11,556	(507)	Construction	PT/W-2/W-5	100%	0%	0%
95074039	Capital Construction Mgmt System	583	2,024	1,915	2,607	1,364	Plng/Des/Const	PT/W-2/W-5	100%	0%	0%

Information Technology Total: 27,804 24,797 4,938 52,601 (661)

Validated - Future Unfunded Projects

None	-	-	-	-
Validated - Unfunded Total:	-	-	-	-

Legend:

Black - Black Text: Continuing projects or projects carried forward from the FY 21 CIP

Orange - Orange Text: Projects to be completed or cancelled in FY 2021

Green - Green Text: Projects in the Construction phase

Blue - Blue Text: New projects proposed for the FY 22 CIP

* - Column A: Actuals spent through prior year + planned expenditures in current year

PRELIMINARY FY22 - 26 CIP

Information Technology Projects

Revenue Source: Groundwater Charges, Property Tax

PRELIMINARY CIP

FY 2022 5-Year CIP Data

Number	Project Name	A	B	A + B		Project Phase (FY22)	Funded By	WUE %	WSS %	SCW %
		Actual/ Appropriated thru FY21*	Remaining Cost to Completion	FY22 Plnd Expnd	FY22-36 Project Value					

Values last updated: 12/08/20 (All values are in thousands)

Funded by Legend:

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

CIP GRAND TOTAL:	1,856,503	5,588,779	440,369	7,445,282	2,073,225
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FY22 Initially Validated and Currently Unfunded Projects

Project Name	Total Project Value (In \$ thousands)	Remaining Cost (FY21 to completion) (In \$ thousands)	Phase	Comments
FY22 Initially Validated Projects				
N/A	N/A	N/A	N/A	
Currently Unfunded Projects				
Dam Seismic Retrofit at 2 Dams (Chesbro & Uvas)	\$89,500	\$89,500	N/A	Staff recommends revalidation of this project in FY22
Long-Term Purified Water Program Elements	\$207,152	\$207,152	N/A	Staff recommends revalidation of this project in FY22
So. County Recycled Water New Storage Tank	\$7,000	\$7,000	N/A	Staff recommends revalidation of this project in FY22
Alamitos Diversion Dam Improvements	\$3,183	\$2,345	N/A	Staff recommends revalidation of this project in FY22
Coyote Diversion Dam Improvements	\$2,461	\$2,138	N/A	Staff recommends removing this project from the unfunded list
RWTP Ammonia Storage & Metering Facility Upgrade	\$5,851	\$5,851	N/A	Staff recommends adding this project to Construction Phases 3-5 of the RWTP Reliability Improvement Project
Fleet and Facility Annex Improvements	\$4,719	\$4,719	N/A	Staff recommends revalidation of this project in FY22
Total	\$319,866	\$318,705	N/A	

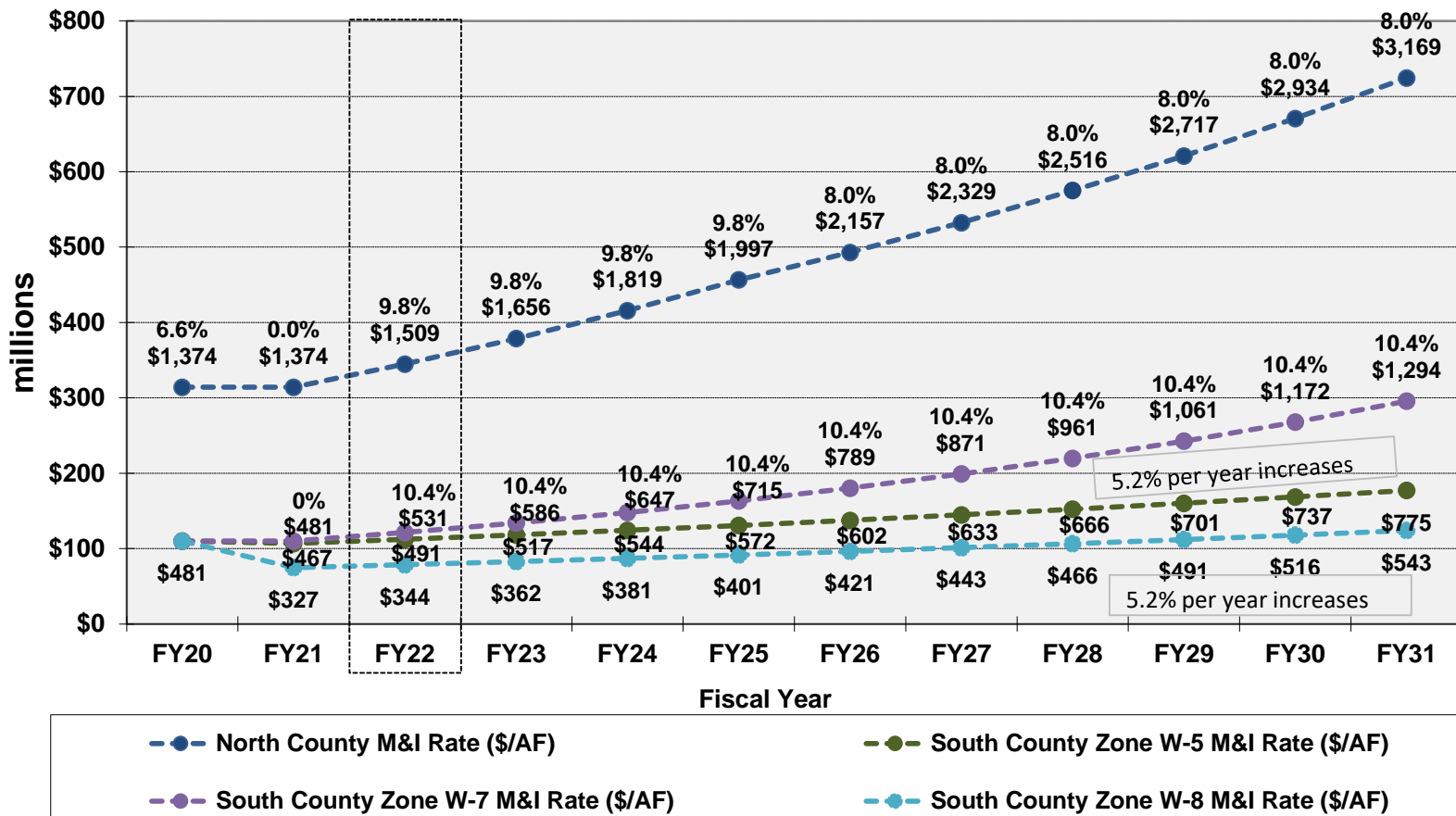
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Water Utility Enterprise Fund

Very Preliminary Baseline Forecast reflects 9.8% per year increases in North County for FY 22 to FY 25, reducing to 8.0% in FY 26 & beyond

Projection

1

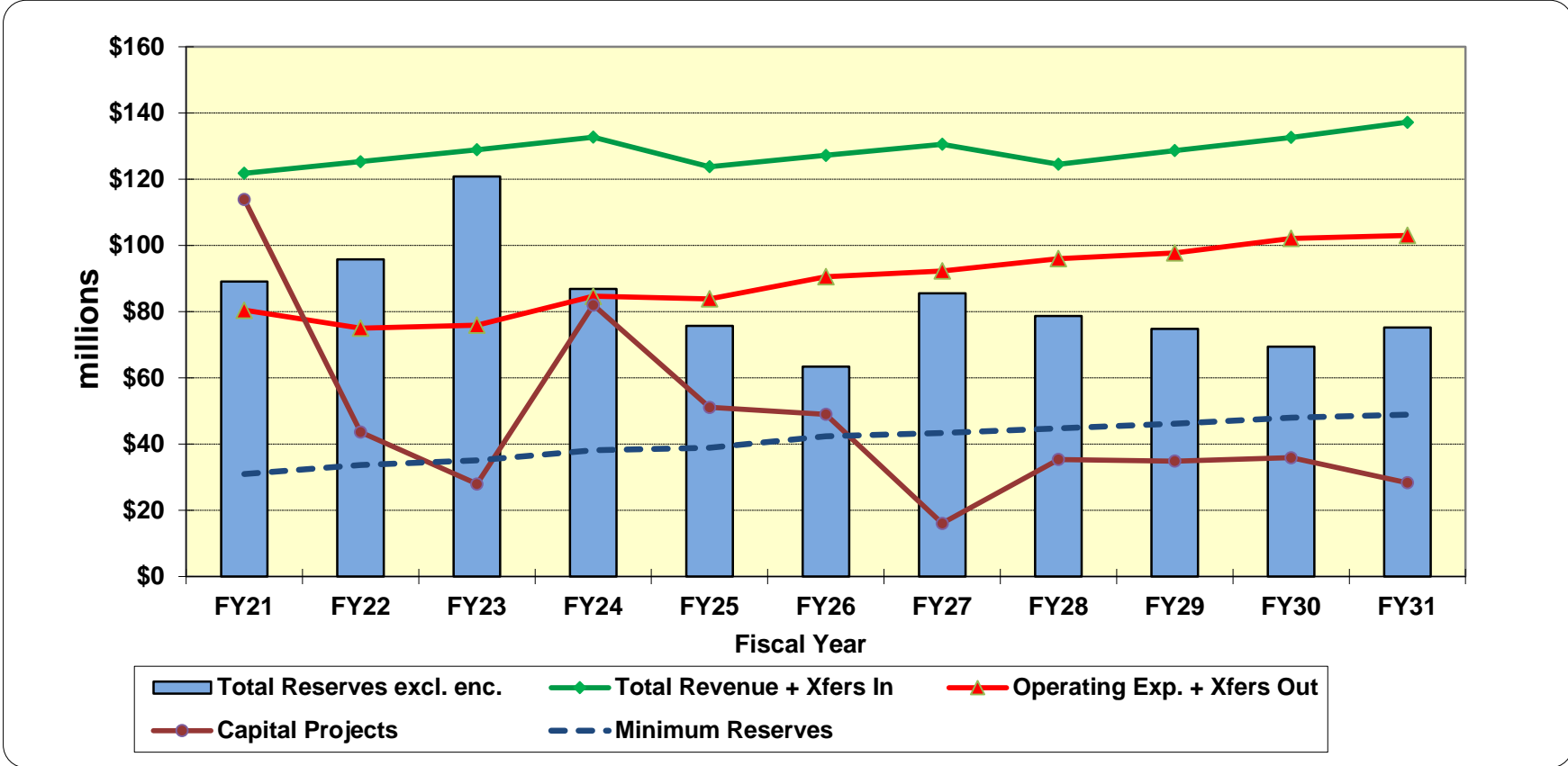


- Includes:
 - Pacheco Reservoir
 - DCP at 2.73%
 - Purified Water Expansion via P3
 - Transfer Bethany Pipeline

Watershed and Stream Stewardship Fund

Reserves are above minimum levels for 10-year forecast

Projection



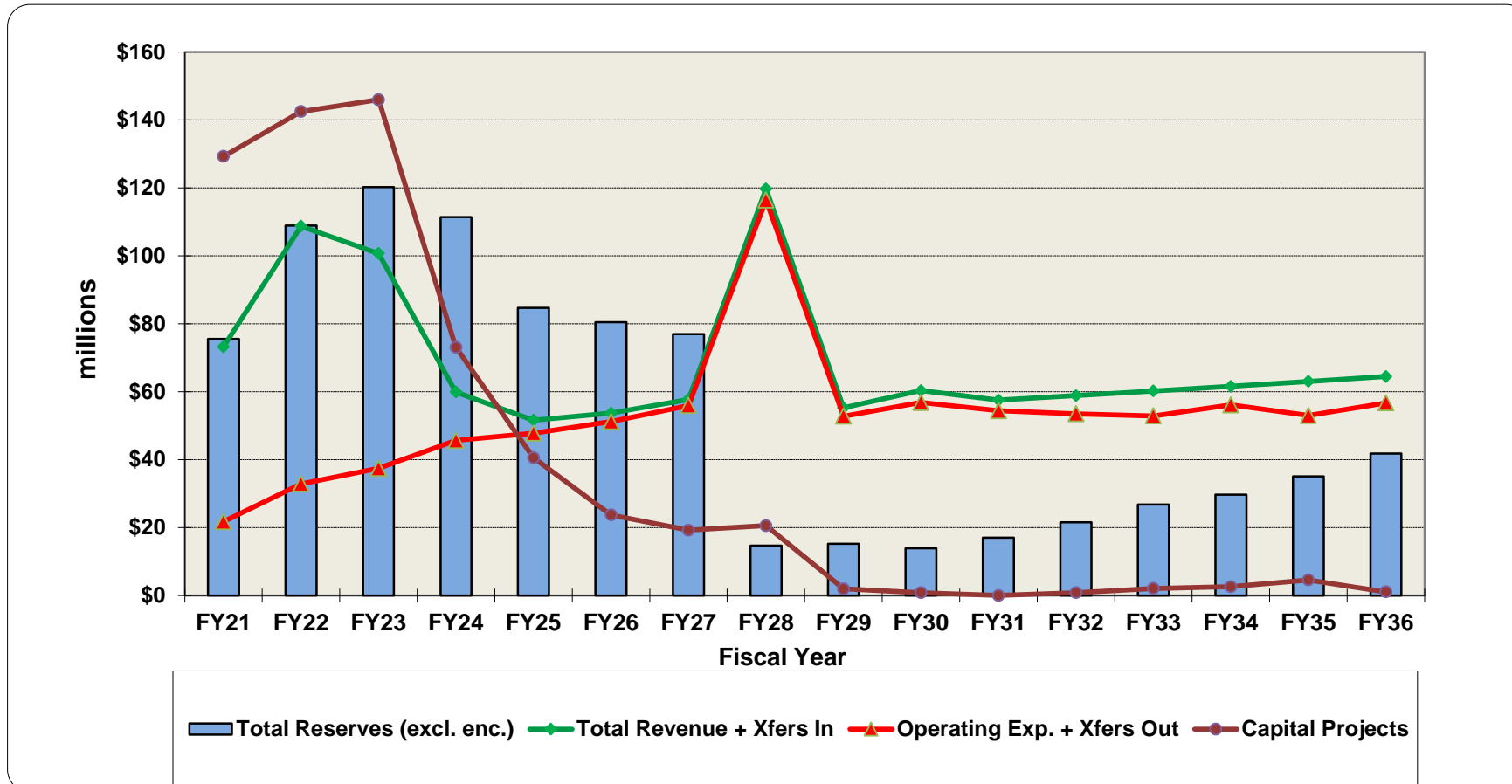
- O&M backlog placeholder
 - \$2M/yr FY22 to FY 25
 - \$7M/yr FY 26 to FY 31
- Open Space Credit Xfer
 - \$26M for FY 22 to FY 31
 - Assumes Ag Charge at 10% of Zone W-8 M&I Charge (or \$34.40/AF in FY 22 versus \$28.86/AF in FY 21)

Safe, Clean Water Fund

Reserve Balance at end of First 15 Years is \$50M less than Measure S Plan

3

Projection



- Assumes \$80M NRCS Reimbursements for Upper Llagas Creek to fully construct Phase 2
- Assumes receipt of San Francisquito Creek outside funding sources, including \$20M from grants and partnerships through the SFCJPA; along with an \$8.9M CalTrans grant through the City of Palo Alto for the Newell Road Bridge
- Total Reserves in FY 36 are roughly \$50M less than original plan due to cost increases for Upper Llagas & SF Creek

valleywater.org

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Santa Clara Valley Water District

File No.: 20-1080

Agenda Date: 12/14/2020

Item No.: 4.4.

COMMITTEE AGENDA MEMORANDUM

Capital Improvement Program Committee

SUBJECT:

Receive Information on Upcoming Consultant Agreement Amendments for Capital Projects.

RECOMMENDATION:

Receive information on upcoming consultant agreement amendments for capital projects.

SUMMARY:

At the March 28, 2017 meeting, the Board of Directors approved revising the Capital Improvement Program (CIP) Committee's purpose to include monitoring 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 that may include modifications to scope, schedule, and/or budget.

At this time, there are four consultant agreement amendments for capital projects available for the Committee's review.

1. Amendment No. 1 to Agreement A4133A with Environmental Science Associates (ESA) for environmental review and permitting services for the Expedited Purified Water Program, Indirect Potable Reuse Project No. 91304001 (INFORMATIONAL ITEM ONLY) (J. De La Piedra).

Current Agreement

The Expedited Purified Water Program (Program) was initiated in 2015 as part of Valley Water's strategy to respond to a multi-year drought and is consistent with Board direction to expand recycled water use in the county. The purpose of Consultant Agreement A4133A (Agreement) between Valley Water and ESA is to provide environmental and permitting services by preparing the California Environmental Quality Act (CEQA)/National Environmental Policy Act (NEPA) assessment and documentation for the Program.

In May 2018, the Board approved Agreement A4133A, but the environmental work was put on hold pending the development of the Countywide Water Reuse Master Plan. The original project objectives consisted of designing and constructing a 24,000 acre-feet advanced water purification facility adjacent to the Silicon Valley Advanced Water Purification Facility

(SVAWPF) in San José and pipeline routes from that site to the groundwater recharge ponds in Campbell along Los Gatos Creek. The new objectives will include adding a Palo Alto site, as an alternative site, and pipeline routes to the groundwater recharge ponds in Campbell along Los Gatos Creek. Environmental assessment and documentation for a Palo Alto site and the pipeline routes were not originally included in the Agreement scope of services.

Amendment No. 1

Amendment No. 1 will include language updating the Project objectives to include environmental review of two possible sites; adjacent to Valley Water's existing Advanced Water Treatment facility in San Jose and an alternative new site in Palo Alto, with pipeline routes to the groundwater recharge ponds in Campbell along Los Gatos Creek.

The current Agreement expires in April 2021. Subject to CEO approval, Amendment No. 1 will implement an extension of the Agreement term by three years and include administrative updates to existing language.

2. Amendment No. 3 to Agreement A3901G with HDR Engineering, Inc. for project management services for the Expedited Purified Water Program, Indirect Potable Reuse Project No. 91304001 (INFORMATIONAL ITEM ONLY) (J. De La Piedra).

Current Agreement

The Expedited Purified Water Program (Program) was initiated in 2015 as part of Valley Water's strategy to respond to a multi-year drought and is consistent with Board direction to expand recycled water use in the county.

In accordance with Agreement A3901G, HDR Engineering, Inc. (HDR) has provided project management services for the development of the Program. The services have included preparation of a Project Management Plan; development of a Program Schedule; development of a Risk Management Plan; assistance with oversight of and coordination between various studies and preliminary engineering work performed by various consultants as part of Program development; assistance with the Program's procurement process; and managing the environmental assessment and documentation to comply with the CEQA/NEPA.

Amendment No. 3

Amendment No. 3 provides for HDR to continue performing project management services (schedule, risk management) through the P3 procurement process; work with Valley Water's financial and legal advisors to support the P3 procurement process; assist with coordination between Program work and related studies being undertaken by Valley Water; compile engineering documents and obtain additional technical information for the Public-Private Partnership (P3) Request for Proposals (RFP).

The current Agreement expires in March 2021. Subject to CEO approval, Amendment No. 3 will implement an extension of the Agreement term to December 31, 2024 and include administrative updates to the existing language such as hourly rate increases and adding new subconsultants.

3. Amendment No. 1 to Agreements A4263A with Kleinfelder, Inc., and A4264A with Cal Engineering & Geology, Inc. for on-call geotechnical engineering services (INFORMATIONAL ITEM ONLY) (R. Blank).

Current Agreement

Valley Water carries out many capital and operational projects and programs to meet its mission and goals in water supply, flood protection, and watershed stewardship. Valley Water's geotechnical engineering staff routinely provide specialized technical support for these capital and operational projects and programs. Valley Water obtains external expertise and utilizes on-call service agreements to augment the services provided by Valley Water staff and deliver additional geotechnical engineering services as needed.

Amendment No. 1 to Each Agreement

Staff will recommend Board approval of Amendment No. 1 to each Agreement, increasing the not-to-exceed fee by \$750,000, resulting in a total not-to-exceed fee of \$1,750,000 for each Agreement. Valley Water has a large Capital Improvement Program, consisting of numerous complex projects. Staff projects a continued demand for geotechnical engineering services for the Anderson Dam Federal Energy Regulatory Commission Order Compliance Project (FOCP), capital improvement projects, and ongoing operations and maintenance work.

Approval of each Amendment No.1 will also allow staff to work towards the Board's directive of expediting the procurement process for a Public Private Partnership (P3) of the Purified Water Program. Advertising the Request for Proposals (RFP) for this P3 program is expected during FY22. Prior to the RFP advertisement, several preliminary geotechnical investigations will be completed to inform potential P3 proposers of site conditions.

On-call geotechnical engineering services for the FOCP and Purified Water Program were not included in the scope of the original agreements in 2019. Amendment No. 1 to each agreement will continue to provide a mechanism for both firms to perform the necessary geotechnical engineering services for the above-mentioned projects and keep them on schedule.

Based on staff's experiences with past task orders, increasing costs during the term of these agreements, and anticipated future increased costs to accomplish the services, staff recommends increasing the task order financial limit in both existing Agreements from \$200,000 to \$250,000 and leaving the delegated authority to approve task orders as-is with the Unit Manager's authority at \$100,000 but raising the Deputy Operating Officer's authority to the increased amount of \$250,000.

ATTACHMENTS:

None.

UNCLASSIFIED MANAGER:

Vincent Gin, 408-630-2633

Chris Hakes, 408-630-3796

Rechelle Blank, 408-630-2615

Heath McMahon, 408-630-3126



Santa Clara Valley Water District

File No.: 20-1091

Agenda Date: 12/14/2020

Item No.: 4.5.

COMMITTEE AGENDA MEMORANDUM

Capital Improvement Program Committee

SUBJECT:

Review 2020 Capital Improvement Committee Work Plan, and Proposed 2021 Work Plan and Meeting Schedule.

RECOMMENDATION:

- A. Review the 2020 Capital Improvement Program Committee Work Plan and make revisions as necessary;
- B. Review the proposed 2021 Capital Improvement Program Committee Work Plan and make revisions as necessary; and
- C. Review and approve the proposed 2021 CIP Committee meeting schedule.

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.

The 2020 Capital Improvement Program Committee (CIP) Work Plan is contained in Attachment 1. Information in this Plan document was provided by staff as follows:

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

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

The Draft 2021 CIP Work Plan contained in Attachment 2 is presented for the Committee's review to determine topics for discussion in 2021.

The proposed 2021 CIP Committee meeting schedule contained in Attachment 3 is presented for the Committee's review and approval to enable staff to begin logistical coordination. All meetings have been scheduled to occur on the second Monday of each month in 2021 in accordance with the

Committee's charter.

ATTACHMENTS:

Attachment 1: 2020 CIP Committee Work Plan

Attachment 2: Draft 2021 CIP Committee Work Plan

Attachment 3: Proposed 2021 CIP Meeting Schedule

UNCLASSIFIED MANAGER:

Michele King, 408-2630-2711

CIP Committee 2020 Workplan

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Capital Project Monitoring												
Construction		X							X			X
Design			X							X		
Planning/Feasibility	X							X			X	
• Water Supply Infrastructure Implementation Projects								X				
Contracts Compliance Process Review									X			
Review Alternate Contracting Process for Anderson Dam Project							X					
Update on Palo Alto Flood Basin Tide Gate Structure Replacement												X
CIP Implementation												
Review Project Delivery Process for Capital Projects		X								X	X	
CIP Development												
CIP Planning Process												
• Review Significant Project Plan Updates											X	
• Committee Review of Initially Validated Projects									X			
• Annual CIP Process and Integrated Financial Planning Calendar Overview									X			
Preliminary CIP Review												X
Standing Items												
Upcoming Consultant Agreement Amendments		X						X	X	X	X	X
Workplan	X	X	X					X	X	X	X	X
Minutes	X	X	X					X	X	X	X	X

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DRAFT CIP Committee 2021 Workplan

	<i>Jan</i>	<i>Feb</i>	<i>Mar</i>	<i>Apr</i>	<i>May</i>	<i>Jun</i>	<i>Jul</i>	<i>Aug</i>	<i>Sep</i>	<i>Oct</i>	<i>Nov</i>	<i>Dec</i>
Capital Project Monitoring												
Planning/Feasibility	X			X			X			X		
Design		X			X			X			X	
Construction			X			X			X			X
Consultant Agreement Compliance Process		X										
CIP Implementation												
Review Project Delivery Process for Capital Projects												
• O&M Costs (Design) and Readiness Assessment (Construction)		X										
CIP Development												
CIP Planning Process												
• Annual CIP Process and Integrated Financial Planning Calendar Overview										X		
• Committee Review of Initially Validated Projects										X		
• Review Significant Project Plan Updates											X	
Preliminary CIP Review												X
Standing Items												
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

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CAPITAL IMPROVEMENT PROGRAM COMMITTEE

PROPOSED 2021 MEETING SCHEDULE

January

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

February

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

March

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

April

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

May

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

June

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

July

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

August

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

September

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

October

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

November

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

December

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

 MEETING

 HOLIDAY

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