



Santa Clara Valley Water District Capital Improvement Program Committee Meeting

Zoom Teleconference

REGULAR MEETING AGENDA

Monday, July 19, 2021
11:00 AM

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

BOARD COMMITTEE MEMBERS:

Committee Chair:
Director Nai Hsueh, District 5

Committee Vice Chair:
Director Linda J. LeZotte, District 4

Tony Estremera, District 6

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, or through a link in the Zoom Chat Section during the respective meeting. 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:
Natalie Dominguez, CMC
Assistant Deputy Clerk II
408-265-2659
ndominguez@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, July 19, 2021

11:00 AM

Zoom Teleconference

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" tool 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.

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

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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 May 17, 2021 Meeting Minutes.

[21-0770](#)

Recommendation: Approve the minutes.

Manager: Michele King, 408-630-2711

Attachments: [Attachment 1: 051721 CIP Committee Minutes](#)

4. ACTION ITEMS:

- 4.1. Review Capital Project Monitoring - Feasibility and Planning Report. [21-0746](#)
Recommendation: Receive updates on projects in the feasibility and planning phase, discuss resource needs, and make recommendations as necessary.
Manager: John Bourgeois, 408-630-2990
Christopher Hakes, 408-630-3796
Heath McMahon, 408-630-3126
Rechelle Blank, 408-630-2615
Attachments: [Attachment 1: Feasibility and Planning Report](#)
- 4.2. Review Capital Project Monitoring - Construction Report. [21-0748](#)
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
Mike Cook, 408-630-2424
Attachments: [Attachment 1: Capital Project Monitoring - Construction](#)
- 4.3. Receive and Discuss Project Updates for Upper Penitencia Creek, Coyote Creek to Dorel Drive Flood Protection Project. [21-0804](#)
Recommendation: Receive and discuss Project updates for Upper Penitencia Creek, Coyote Creek to Dorel Drive Flood Protection Project.
Manager: Lisa Bankosh, 408-630-2618
- 4.4. Receive Information on Consultant Agreement Amendments for Capital Projects. [21-0749](#)
Recommendation: Receive information on consultant agreement amendments for capital projects.
Manager: Vincent Gin, 408-630-2633
Heath McMahon, 408-630-3126
Rechelle Blank, 408-630-2615
- 4.5. Review 2021 Capital Improvement Committee Work Plan. [21-0771](#)
Recommendation: Review the 2021 Capital Improvement Program Committee Work Plan and make adjustments as necessary.
Manager: Michele King, 408-630-2711
Attachments: [Attachment 1: 2021 CIP Committee Work Plan](#)

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:

7.1. Adjourn to Regular Meeting at 11:00 a.m., on August 16, 2021, to be called to order in compliance with the State Emergency Services Act, the Governor's Emergency Declaration related to COVID-19, and the Governor's Executive Order N-29-20.

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Santa Clara Valley Water District

File No.: 21-0770

Agenda Date: 7/19/2021
Item No.: 3.1.

COMMITTEE AGENDA MEMORANDUM

Capital Improvement Program Committee

SUBJECT:

Approval of May 17, 2021 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: 051721 CIP Committee Minutes

UNCLASSIFIED MANAGER:

Michele King, 408-630-2711

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CAPITAL IMPROVEMENT PROGRAM COMMITTEE MEETING

MINUTES

**MONDAY, MAY 17, 2021
11:00 AM**

(Paragraph numbers coincide with agenda item numbers)

1. CALL TO ORDER:

A regular meeting of the Santa Clara Valley Water District (Valley Water) Capital Improvement Program Committee (Committee) was called to order via Zoom video teleconference at 11:00 a.m.

1.1 Roll Call.

Committee members attending by videoconference: District 4 Director Linda LeZotte and District 6 Director Tony Estremera. Committee members in attendance in Conference Room A-124: District 5 Director Nai Hsueh, Chairperson presiding, constituting a quorum of the Committee.

Staff members in attendance in Conference Room A-124: N. Dominguez, Assistant Deputy Clerk II. Staff attending by videoconference: J. Aranda, E. Aryee, A. Baker, S. Berning, R. Blank, J. Bourgeois, T. Bridgen, J. Collins, M. Cook, S. Ferranti, A. Fraumeni, B. Ganjoo, M. Ganjoo, A. Gschwind, C. Hakes, J. Martin, H. McMahon, D. Montenegro, D. Mody, C. Narayanan, M. Potter, M. Richardson, L. Rossiter, D. Taylor, S. Tippetts, K. Williams, K. Wong, 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 April 26, 2021 Meeting Minutes.

Recommendation: Approve the minutes.

The Committee considered the attached minutes of the October 19, 2020 meeting. It was moved by Director Estremera, seconded by Director LeZotte, and unanimously carried by roll call vote that the minutes be approved as presented.

4. ACTION ITEMS

4.1. Review Capital Project Monitoring – Design and Permitting Report

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

Mr. Chris Hakes, Deputy Operating Officer, reviewed the information on this item, per the attached Committee Agenda Memo, and corresponding presentation materials contained in Attachment 1 were reviewed as follows: Mr. Hakes reviewed Item 1 and 2; Mr. Heath McMahon, Deputy Operating Officer reviewed Items 3 through 10, Ms. Rechelle Blank, Deputy Operating Officer, reviewed Items 11 through 22.

Regarding Item 8, South County Recycled Water Pipeline, Chairperson Hsueh asked for and received clarification on the governance issues with regard to Gilroy and Morgan Hill, and grant funding.

Regarding Item 14, E8: Upper Guadalupe River – SPRR to Blossom Hill Road, Director LeZotte asked for and received clarification of Alternative Milestone meetings with regard to United States Army Corps of Engineers (USACE) project partnership.

Regarding Item 17, San Francisco Bay Shoreline, EIA 11 – Alviso Slough to Coyote Creek Bypass, Director LeZotte asked for and received clarification regarding the City of San Jose’s sludge ponds and Pacific, Gas and Electric’s utility lines; and Chairperson Hsueh asked for and received clarification of the bid process being managed by the USACE.

The Committee noted the information, without formal action.

4.2. Anderson Dam Tunnel Project Construction Contract Contingency Sum Delegated Authority.

Recommendation: Receive information and discuss delegating authority for the Anderson Dam Tunnel Project change order contingency sum.

Mr. Hakes reviewed the information on this item, per the attached Committee Agenda Memo.

It was moved by Chairperson Hsueh, seconded by Director Estremera, and unanimously carried by roll call vote that the Committee recommend the Board consider delegating authority for the Anderson Dam Tunnel Project change order contingency sum not-to-exceed a total of \$40,000,000 as follows:

- Unit Manager – Up to \$100,000
- Assistant Operating Officer – Up to \$100,000
- Deputy Operating Officer – Up to \$500,000

- Assistant Chief Operating Officer - \$2,500,000
- Chief Operating Officer - \$5,000,000

The Committee requested to receive a regular monthly report regarding the project's accumulated contingency totals.

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

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

Mr. Heath McMahon, Deputy Operating Officer, reviewed the information on this item, per the attached Committee Agenda Memo.

Mr. McMahon clarified that consultant agreement amendments intended for a time extension only may be executed by Chief Executive Officer before or after report out to the Committee.

The Committee noted the information without formal action.

4.4. Review 2021 Capital Improvement Committee Work Plan.

Recommendation: Review the 2021 Capital Improvement Program Committee Work Plan and make adjustments as necessary.

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

The Committee requested to cancel the June 21, 2021 meeting and that items scheduled for June be included in the July 19, 2021 or other future agendas.

5. INFORMATION ITEMS.

None.

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

Ms. Natalie Dominguez, Assistant Deputy Clerk II, read the new Committee Recommendations and Requests into the record, as follows:

Regarding Item 4.2:

- The Committee recommends the Board consider delegating authority for the Anderson Dam Tunnel Project change order contingency sum not-to-exceed a total of \$40,000,000 as follows:
 - Unit Manager – Up to \$100,000

- Assistant Operating Officer – Up to \$100,000
 - Deputy Operating Officer – Up to \$500,000
 - Assistant Chief Operating Officer - \$2,500,000
 - Chief Operating Officer - \$5,000,000
- The Committee requested to receive a regular monthly report regarding the project's accumulated contingency totals.

7. ADJOURN

- 7.1. Adjourn to Regular Meeting at 11:00 a.m., on June 21, 2021, to be called to order in compliance with the State Emergency Services Act, the Governor's Emergency Declaration related to COVID-19, and the Governor's Executive order N-29-20.

Chairperson Hsueh adjourned the meeting at 1:00 p.m., to the July 19, 2021 meeting to be called to order in compliance with the State Emergency Services Act, the Governor's Emergency Declaration related to COVID-19, and the Governor's Executive order N-29-20.

Natalie F. Dominguez, CMC
Assistant Deputy Clerk II

Approved:



Santa Clara Valley Water District

File No.: 21-0746

Agenda Date: 7/19/2021
Item No.: 4.1.

COMMITTEE AGENDA MEMORANDUM

Capital Improvement Program Committee

SUBJECT:

Review Capital Project Monitoring - Feasibility and Planning Report.

RECOMMENDATION:

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

SUMMARY:

The CIP Committee's 2021 Workplan includes monitoring of capital projects during all phases of delivery. Staff will prepare a list of active projects to submit to the Committee each month and will provide detailed information on those where potential and/or significant issues have been identified. The projects presented for discussion will be organized by phases: feasibility/planning; design/permitting; and construction. Staff will present projects to the CIP Committee for review one phase at a time. Projects currently in the feasibility/planning phase are being presented this month.

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

ATTACHMENTS:

Attachment 1: Feasibility and Planning Report

UNCLASSIFIED MANAGER:

John Bourgeois, 408-630-2990
Christopher Hakes, 408-630-3796
Heath McMahon, 408-630-3126
Rechelle Blank, 408-630-2615

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Capital Project Monitoring - July 2021

Planning and Feasibility Phase

Row	Project No.	Project Name	Notes, Upcoming Board Actions or potential issues
<u>Water Supply</u>			
1	91084019	Dam Seismic Stability Evaluation	Seismic stability evaluations for Coyote, Chesbro and Uvas Dams on track for completion by December 2021. Spillway evaluations for Lenihan and Stevens Creek Dams started in October and are on track.
2	91954002	Pacheco Reservoir Expansion Project	Project alternatives, including variations of the dam site and embankment type are being assessed for environmental impact, technical feasibility, and potential cost savings. Preparation of the Draft EIR and an updating of the State Feasibility Report are underway with completion planned near the end of 2021 to meet the WSIP funding deadline.
3	92C40357	FAHCE Implementation	In response to the National Marine Fisheries Service, the Coyote Creek portion of the Fish and Aquatic Habitat Collaborative Effort (FAHCE) is being coordinated with the Anderson Dam Seismic Retrofit Project.
4	92264001	Vasona Pumping Plant Upgrades	Feasible Alternatives analysis report was completed April 2021. Final Planning Study Report to be completed in June. Will include electrical and mechanical upgrades to provide for additional flexibility and future needs. Project is on hold due to staff reassignment.
5	93084004	WTP Electrical Improvement	Planning Study Report completed in April. Staff is working on Basis of Design Reports.
6	93234044	Penitencia WTP Residuals Management Project	RFP for design consultant services was issued and an interview was held in June 2021. Staff is in negotiations with selected firm. Quarterly progress updates are being provided to the California State Water Resources Control Board's Division of Drinking Water.
7	92304001	Almaden Valley Pipeline Replacement Project	The Business Case Report is routing for execution. The Planning Phase Work Plan is in progress.
8	91304001	Expedited Purified Water Program - P3	The P3 RFQ was released on April 30 with Statements of Qualifications due July 23, 2021. In addition, on June 22, 2021 Valley Water's Board of Directors approved an Agreement with Kleinfelder Inc. for the Preliminary Geotechnical Pipeline Alignment Project. The data obtained from this project will be provided to prospective RFP proposers to the P3 Purified Water Project coming out later this year.
9	95044002	SCADA Implementation Project	Owner advisor consultant selection notification was sent out in June 2021. Consultant agreement negotiation is in progress. Implementation plan consultant proposals were received in June 2021. Interviews for shortlisted consultants are scheduled for July 2021.
10	93044001	Water Treatment Plant Implementation Project	Implementation plan consultant agreement negotiation is in progress. Staff expect to complete consultant agreement and bring to the Board for approval in September 2021.
11	95044001	Distribution System Implementation Project	Implementation plan consultant RFP was published in June 2021. Consultant proposals are due in August 2021.
<u>Flood Protection</u>			
12	26174043	Coyote Creek, Montague Expressway to Tully Road	Due to Federal Energy Regulatory Commission Order, project was split into two projects: Coyote Creek Flood Management Measures and Coyote Creek Flood Protection Project. Planning Study Report for the Coyote Creek Flood Protection Project and Coyote Creek Flood Management Measures to protect from a 2017 equivalent flood event was completed in January 2021 and is under review. For the U.S. Army Corps of Engineers effort, the Section 1126 Memorandum of Agreement Project Management Plan has been completed.

Capital Project Monitoring - July 2021

Planning and Feasibility Phase

Row	Project No.	Project Name	Notes, Upcoming Board Actions or potential issues
13	26324001	Upper Penitencia Ck, Coyote Ck-Dorel Drive	Recommended project proceeding with Phase 1 and Phase 2 work, as approved by the Board of Directors in December 2019. Per Board direction (on December 17, 2019), \$21M (uninflated) was transferred from this project to Coyote Creek. Draft Planning Study Report completed in December 2020 and is under QC review.
14	30154019	Guadalupe River - Tasman to Hwy 880	Problem Definition Report completed July 2019; Feasible alternatives analysis currently underway; public meeting held October 1, 2020. Planning study report delayed by six months to summer of 2021 due to extensive list of alternatives and the work required to analyze.
15	00044026s	San Francisco Bay Shoreline - Phase II and Phase III	USACE Phase II Feasibility Study began September 26, 2019 and alternatives milestone meeting was held on January 23, 2020. USACE is requesting a 3X3X3 SMART waiver to increase study cost by \$2.6M and extend schedule by 18 months; USACE is awaiting Headquarter approval. USACE total study cost now estimated to be \$5.6M; Valley Water is responsible for 50% of the cost. The Phase II study includes Economic Impact Areas (EIAs) 1-4 (from San Francisquito Creek in Palo Alto to Permanente Creek in Mountain View). The next Phase II study milestone is the Tentative Selection Plan and is scheduled for completion in July 2022 pending the waiver extension. USACE did not receive funding for a Phase 3 Feasibility Study for EIAs 5-10 (from Permanente Creek in Mountain View to Guadalupe River in San Jose) in the fiscal year 2022 budget.

Water Resources Stewardship

16	62044001	Stevens Creek Fish Passage Barrier Analysis	Consultant contract extended until June 30, 2021. Original study completed in summer of 2020 and was presented to the community through a virtual brown bag in November 2020. Consultant developed conceptual designs for the most significant barriers. Project team developed a prioritization study, finalized June 2021.
17	62044001	Metcalf Pond Feasibility Study	Project team has engaged Steering Committee members with planning charrettes (problem definition and conceptual alternatives) in 2020. Draft Feasibility Study Report was done in December 2020 and is under QC review.
18	20444001s	Salt Ponds A5-11 Restoration	Draft Feasibility study on the realignment of Calabazas and San Tomas Creeks completed. Final report was presented to the Board for study direction in April 2021. Board approved project proceeding into planning phase.
19	62044003	Ogier Ponds Planning Study	Staff proceeding with early planning phase tasks to develop conceptual alternatives, as negotiations with the landowner (County Parks) on a Property Use Agreement are finalized.

Buildings & IT

No projects to report at this time



Santa Clara Valley Water District

File No.: 21-0748

Agenda Date: 7/19/2021
Item No.: 4.2.

COMMITTEE AGENDA MEMORANDUM

Capital Improvement Program Committee

SUBJECT:

Review Capital Project Monitoring - Construction Report.

RECOMMENDATION:

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

SUMMARY:

The 2021 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
Mike Cook, 408-630-2424

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Capital Project Monitoring Report - July 2021

CM Services

Construction Phase

Row	Project No.	Project Name	Notes, Upcoming Board Actions or potential issues	In house	External	Combination
Water Supply						
1	91864005	Anderson Dam Seismic Retrofit Project	The Anderson Dam Tunnel Project (ADTP) construction contract was awarded by the Board on April 27, 2021 to Flatiron Construction Company. After the pre-construction meeting on May 19th, the Notice to Proceed was issued on May 28, with the 1st Chargeable Day on June 28. Currently the contractor is working on the early/initial submittals. A Ground Breaking Event is scheduled for July 7, 2021.			X
2	91234011	Coyote Warehouse	Construction of 21,600 square-foot building and associated site improvements (Stage 1) is complete. The Board accepted the work on April 13, 2021. Stage 2 consists of vegetation maintenance which is ongoing through April 2023.	X		
3	93294057	Rinconada WTP Reliability Improvement	The construction contract for the Interim Site Restoration Project, consisting of mostly paving and minor mechanical work, was awarded by the Board on June 22, 2021.			X
4	91214010	Pacheco Pumping Plant Priority 1 Fire Alarm & Suppression System Improvement	Construction contract was awarded in September 2020. Construction is nearing completion and contractor is commissioning and testing the system.	X		
5	93764004	Santa Teresa Water Treatment Plant Air Wash Pipeline Replacement Project	Construction contract was awarded in October 2020. The first half of plant shutdown required to accommodate work for the east side of the plant was completed early April 2021. The remaining improvement work for the west side of the plant is scheduled for a planned half-plant shutdown to begin mid-October 2021.	X		
6	95084002	10-Year Pipeline Inspection and Rehabilitation Project (Central and Parallel East Pipelines)	Construction contract was awarded in October 2020. Central Pipeline was out of service to accommodate rehabilitation work from January 3, 2021 to April 2, 2021 and is currently back in service. The following milestones have been completed: visual and electromagnetic inspections, installation of the acoustic fiber optic monitoring cable, replacement of appurtenances on the pipeline, and repairs to mortar and joints at over 350 locations. Parallel East Pipeline's vent piping have all been installed. Contractor is currently working on the raw water turnouts along Central Pipeline and other miscellaneous maintenance work such as installing new ladders, coating, and manhole replacement.	X		
Flood Protection						
7	26154002	Upper Guadalupe River Reach 6	This is a gravel augmentation project to improve fish habitat in Reach 6. Construction contract was awarded on June 8, 2021. Preconstruction activities are underway.	X		
8	26244001	Permanente Creek, SF Bay to Foothill Expressway	Construction of channel work was completed in January, 2019; Construction at McKelvey Park was completed in June 2020; Construction of Rancho San Antonio Park Flood Detention Basin was completed in June 2021 and the three-year plant establishment maintenance phase is underway.			X
9	26174051 26174052	Upper Llagas Creek Flood Protection Project, Phase I and Phase 2A	A significant portion of the Phase I construction was completed in 2020, including installation of revegetation plantings. Remaining Phase I in-channel improvements is underway with completion scheduled for October 2021; a three-year plant establishment phase will follow. Construction contract for Phase 2A was awarded on April 13, 2021 and construction is underway.	Phase 1	Phase 2A	
10	40174005	Berryessa Creek, Lwr Penitencia Ck to Calaveras Blvd, Phase 2	Flood protection improvements and mitigation planting for the Lower Berryessa Creek Phase 2 project were completed in July 2020. The revegetation plant establishment maintenance phase of the contract is in progress and will continue to 2023. The construction contract for the Lower Calera Creek portion was awarded on June 8, 2021 and construction is underway.	Lower Calera Creek	X	X

Capital Project Monitoring Report - July 2021

CM Services

Construction Phase

Row	Project No.	Project Name	Notes, Upcoming Board Actions or potential issues	In house	External	Combination
11	40264008s	Lower Silver Creek, I-680 to Cunningham (Reach 4-6)	The revegetation plant establishment maintenance phase of the contract was completed in December 2020. The Board accepted the work and directed filing of the Notice of Completion on January 12, 2021. As part of FEMA's Community Technical Partners Program, floodplain remapping information was submitted to FEMA on December 20, 2019. In addition, a Letter of Map Revision package was submitted to FEMA in March 2020 and it is anticipated FEMA will approve the LOMR in late June 2021. Once approved there will be a 4-month public review period before the new FEMA floodplain maps can become effective.	X		
12	40264011	Cunningham Flood Detention Certification	Construction work was completed in October, 2019. The Board accepted project completion of the construction work on December 10, 2019. The revegetation plant establishment maintenance phase of work is in progress and will continue to the end of March 2022. As part of FEMA's Community Technical Partners Program floodplain remapping information was submitted to FEMA on December 20, 2019. In addition, a Letter of Map Revision package was submitted to FEMA in March 2020 and it is anticipated FEMA will approve the LOMR in late June 2021. Once approved there will be a 4-month public review period before the new FEMA floodplain maps can become effective.			X
13	40334005	Lower Penitencia Ck Improvements, Berryessa to Coyote Crks	Construction contract for Lower Penitencia Creek Project was awarded on May 25, 2021 and construction is underway.	X		
14	62084001	Watershed Asset Rehabilitation Program	Construction contract for Piedmont Creek Interim Concrete Repair Project from Roswell to Dempsey Road was awarded on May 11, 2021 and construction is underway.	X		
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 actively preparing for User Acceptance Testing (UAT). The Infor team has signed a change order which solidifies the project schedule with a Fall, 2021 Go Live date. The team has elected to delay the start of testing in order for the consultants to address upwards of 50 items which remain on Valley Water's punchlist. The team is actively working on a final testing, training and go-live preparations.	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 has since finalized strategy for the next phase of the project which will include the prioritization of a number of projects, including implanting resiliency and security changes to existing data centers, leveraging a cloud services provider as a backup data center and modernizing off-site back up strategy using removable drives. These projects are likely to require a two-to-three year timeline for implementation. At least one RFP is expected to kick off this fall.	N/A	N/A	N/A
18	73274009	Data Consolidation	Staff has engaged with Hyland Inc. to implement their OnBase product as a proof of concept (POC). During this POC, OnBase will be used to automate the processes of the CPRU unit as well as the Lands Management department. The implementation, which kicked off in early February, is expected to take approximately one year.	N/A	N/A	N/A
19	73274012	Telephone System Voice Over IP	The Infrastructure Services Unit has engaged with RingCentral via a cooperative bargaining agreement to begin implementation of our replacement Voice Over IP Telephone system. The project team held a kickoff meeting late June 2021, with implementation scheduled to complete Fall of 2021.	N/A	N/A	N/A



Santa Clara Valley Water District

File No.: 21-0804

Agenda Date: 7/19/2021

Item No.: 4.3.

COMMITTEE AGENDA MEMORANDUM

Capital Improvement Program Committee

SUBJECT:

Receive and Discuss Project Updates for Upper Penitencia Creek, Coyote Creek to Dorel Drive Flood Protection Project.

RECOMMENDATION:

Receive and discuss Project updates for Upper Penitencia Creek, Coyote Creek to Dorel Drive Flood Protection Project.

SUMMARY:

The Upper Penitencia Creek Flood Protection Project (Project) was conceptualized to provide flood risk reduction to homes and businesses in the cities of San Jose and Milpitas. The Project will also provide ecological restoration, recreational enhancement, and preserve water supply functions in the Project reach between Upper Penitencia Creek's confluence with Coyote Creek to Noble Drive.

As previously presented to the CIP Committee on October 24, 2019, this Project followed a unique landscape visioning planning process, which resulted in an overall master plan of concepts for the watershed as a whole, which was then developed further through Valley Water's typical planning process into a recommended Project. The Committee received information about key constraints and opportunities which guided the planning process, including the necessity to not increase flood flows to Coyote Creek and the potential for environmental enhancement opportunities. The Committee confirmed moving ahead with the recommended Phases I and II of the Project.

Phase I (Coyote confluence to King Road): The concept for this reach was to provide a widened and lowered floodplain to increase channel capacity and provide riparian and geomorphic stream enhancement. This reach would cost \$17 million to build and would protect 450 parcels from 1% flood including the BART Station area.

Phase II (King Road to Capital Avenue): The concept for this reach was to include channel widening and riparian stream enhancement, with short setback levees and berms and floodwalls. This reach would cost \$7 million to build and would protect 1,250 parcels from 1% flood including the BART Station area.

As discussed with the Committee, Phase III (Capital Avenue to Alum Rock Park) would require detailed additional planning with partner agencies, as well as additional funds. Therefore, it is recommended to proceed with Phases I and II and leave the upstream Phase for future efforts.

Since the last Project update for the CIP Committee, staff has been developing the details of the recommended Project and the Project's planning study report. The Project is completing the planning phase and is scheduled to move into the design phase early in FY 2022. Notable Project updates include:

- The Project's planning study report has been drafted and updated with new information and is currently under quality control review;
- A geomorphic assessment of the recommended Project to refine the design concept is being conducted with ESA Associates to lead to potential recommendations for process-based geomorphic stream enhancements. This is intended to result in a more beneficial Project with lower long-term maintenance costs;
- A preliminary maintenance plan has been developed as part of the planning study report;
- Discussions with City of San Jose and site owner on critical land dedication for the creek corridor along Upper Penitencia and Coyote Creeks at the Flea Market site have continued and progressed;
- Discussions with the City of San Jose regarding a potential joint Project for expansion of the King Road crossing have begun and will continue into the design phase of the Project; and
- Some aspects of the recommended Project may provide mitigation benefits for other projects in the Coyote Creek watershed, notably the Anderson Dam Tunnel Project and/or the larger Anderson Dam Seismic Retrofit Project. These issues are under discussion and development.

ATTACHMENTS:

None.

UNCLASSIFIED MANAGER:

Lisa Bankosh, 408-630-2618



Santa Clara Valley Water District

File No.: 21-0749

Agenda Date: 7/19/2021

Item No.: 4.4.

COMMITTEE AGENDA MEMORANDUM

Capital Improvement Program Committee

SUBJECT:

Receive Information on Consultant Agreement Amendments for Capital Projects.

RECOMMENDATION:

Receive information on 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, staff would like to inform the Committee of the following four capital projects consultant agreement amendments that will be recommended for Board approval:

- 1. Amendment No. 2 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 (additional funding) (V. Gin).**

Staff will recommend Board approval of Amendment No. 2 to Agreement A4133A with Environmental Science Associates (ESA) to add \$450,000, resulting in a revised total not-to-exceed fee of \$2,236,624.

The Expedited Purified Water 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.

Amendment No. 1 to Agreement A4133A was approved by Valley Water's CEO on April 30, 2021. It extended the term of the Agreement from April 30, 2021, to December 31, 2024, incorporated administrative changes, and revised the Scope of Service's General Assumptions

and Requirements to 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 Los Gatos Ponds.

Additional funding for this Agreement will allow Consultant to perform the needed environmental evaluation at the mentioned alternative site in Palo Alto.

2. Amendment No. 7 to Agreement A3618A with NV5, Inc., for the San Francisquito Creek Project No. 26284002 (additional funding) (R. Blank).

Staff will recommend Board approval of Amendment No. 7 to Agreement No. A3618A with NV5, Inc., formerly known as Nolte Associates, Inc., to extend the Agreement term from its current expiration date of April 30, 2023, to April 30, 2024; incorporate administrative and minor scope revisions; and add \$265,753, resulting in a revised total not-to-exceed fee of \$1,016,363.

This Project will replace the existing bridge with a new bridge that will provide additional hydraulic capacity to pass all historic flood events including the largest recorded flood event in 1998, which was estimated to be a 70-year event.

The Project design is currently at an 80% design stage and scheduled to be completed by the end of 2022. The Project is scheduled to be advertised for construction in early 2024.

Amendment No. 7 includes a revised scope of work to require an additional 60% design submittal, additional submittals for meetings/presentations with local agencies, and increased coordination and revisions due to input from stakeholders. Additional funding for this Agreement will allow Consultant to perform the design services necessary to complete design of the Pope/Chaucer Street Bridge Replacement at San Francisquito Creek.

3. Amendment No. 5 to Agreement A3626A with CDM Smith, Inc., for Engineering Design Services of the Rinconada Water Treatment Plant (RWTP) Reliability Improvement Project No. 93294057 (time extension and additional funding) (H. McMahon).

Staff will recommend Board approval of Amendment No. 5 to Agreement No. A3626A with CDM Smith, Inc., to extend the Agreement term from its current expiration date of September 30, 2021, to October 31, 2023; incorporate administrative revisions; and add \$6,120,110, resulting in a revised not-to-exceed fee of \$35,405,987.

On May 26, 2015, the Board awarded a construction contract to Balfour Beatty Infrastructure, Inc. (BBII) for the Project to upgrade the plant to improve reliability while meeting stringent standards for water quality, seismic stability, and safety issues. The work was divided into six phases to allow RWTP to remain online throughout construction.

An amendment to the construction contract reduced the scope of work, resulting in BBII completing Phases 1 and 2 of the Project, and eliminating most of Phases 3, 4, 5 and 6.

Amendment No. 5 will allow CDM Smith, as the Engineer of Record, to review and repackage the plans and specifications for the remaining construction phases of the Project and prepare them for public bidding. Consultant will also provide engineering support services during construction of the RWTP Interim Site Restoration Project, for which the Board awarded a construction contract on June 22, 2021, and perform additional design services determined necessary since the original design was completed in 2015.

4. Amendment No. 2 to Agreement A4144A with Stantec Consulting Services, Inc., for Project Planning and Design Services on the Rinconada Water Treatment Plant (RWTP) Residuals Remediation Project No. 93234044 (time extension, scope adjustment, and additional funding) (H. McMahan).

Staff will recommend Board approval of Amendment No. 2 to Agreement A4144A with Stantec Consulting Services, Inc., (Stantec) to revise the scope of services and add \$1,566,731, resulting in a revised not-to-exceed fee of \$4,863,526.

Construction of the RWTP Residuals Remediation Project will correct outstanding operational deficiencies of the treatment plant's residuals management system and provide infrastructure to effectively process solids.

Amendment No. 1 to Agreement 4144A with Stantec Consulting Services, Inc. (Consultant), is currently routing for approval. It will extend the term of the Agreement to allow additional time to perform the Bid and Award Services Task and incorporate administrative changes.

The construction contract for this Project is scheduled for award by the Board on July 13, 2021 to Kiewit Infrastructure West Co. in the sum of \$22,979,980. Amendment No. 2 will expand the scope of services to allow this design firm, as Engineer-of-Record, to perform engineering services during construction. The proposed Amendment's scope of services includes project management, engineering review services during construction (such as review of construction contractor's submittals and requests for information, change order assistance, etc.), dispute resolution assistance, and testing and start-up support services.

ATTACHMENTS:

None.

UNCLASSIFIED MANAGER:

Vincent Gin, 408-630-2633
Heath McMahan, 408-630-3126
Rechelle Blank, 408-630-2615

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Santa Clara Valley Water District

File No.: 21-0771

Agenda Date: 7/19/2021

Item No.: 4.5.

COMMITTEE AGENDA MEMORANDUM

Capital Improvement Program Committee

SUBJECT:

Review 2021 Capital Improvement Committee Work Plan.

RECOMMENDATION:

Review the 2021 Capital Improvement Program Committee Work Plan and make adjustments as necessary.

SUMMARY:

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

The CIP Work Plan contained in Attachment 1 is presented for the Committee's review to determine topics for discussion in 2021.

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.

ATTACHMENTS:

Attachment 1: 2021 CIP Committee Work Plan

UNCLASSIFIED MANAGER:

Michele King, 408-630-2711

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CIP Committee 2021 Workplan

	<u>Jan</u>	<u>Feb</u>	<u>Mar</u>	<u>Apr</u>	<u>May</u>	<u>Jun</u>	<u>Jul</u>	<u>Aug</u>	<u>Sep</u>	<u>Oct</u>	<u>Nov</u>	<u>Dec</u>
Capital Project Monitoring												
Feasibility/Planning		X		X			X			X		
Design/Permitting		X			X			X			X	
Construction			X				X		X			X
Consultant Agreement Compliance Process			X						X			
Update on RWTP Residuals Remediation Project			X									
Anderson Dam Tunnel Project Contingency Fund Delegated Authority					X							
Planning Updates												
• Upper Penitencia Creek Flood Protection Project							X					
• Stevens Creek Fish Ladder										X		
CIP Implementation												
Review Project Delivery Process for Capital Projects												
• O&M Costs (Design) and Readiness Assessment (Construction)			X									
Safe, Clean Water 5-Year Implementation Plan (Adjustments and Financial Overview)				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											X
Standing Items												
Upcoming Consultant Agreement Amendments	N/A	X	X	X	X	X	X	X	X	X	X	X
Workplan	N/A	X	X	X	X	X	X	X	X	X	X	X
Minutes	N/A	X	X	X	X	X	X	X	X	X	X	X

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