



Santa Clara Valley Water District Capital Improvement Program Committee Meeting

Zoom Teleconference

REGULAR MEETING AGENDA

**Monday, August 10, 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.

BETH REDMOND
Committee Liaison

NATALIE F. DOMINGUEZ,
CMC
Assistant Deputy Clerk II
Office/Clerk of the Board
(408) 265-2659
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Note: The finalized Board Agenda, exception items and supplemental items will be posted prior to the meeting in accordance with the Brown Act.

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**Santa Clara Valley Water District
Capital Improvement Program Committee**

**REGULAR MEETING
AGENDA**

Monday, August 10, 2020

10:00 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" 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/94158013374>

Meeting ID: 941 5801 3374

One tap mobile: +16699009128,,94158013374# US (San Jose)

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

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" or "Chat" tools 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 Meeting Minutes - March 9 and June 29, 2020.

[20-0075](#)

Recommendation: Approve the minutes.

Manager: Michele King, 408-630-2711

Attachments: [Attachment 1: 030920 CIP Committee Minutes](#)

[Attachment 2: 062920 CIP Committee Minutes](#)

Est. Staff Time: 5 Minutes

4. ACTION ITEMS:

- 4.1. Review Capital Project Monitoring - Planning and Feasibility Report. [20-0131](#)
Recommendation: Receive updates on projects in the planning and feasibility phase, discuss resources needs, and make recommendations, as necessary.
Manager: Vincent Gin, 408-630-2633
Christopher Hakes, 408-630-3796
Heath McMahon, 408-630-3126
Ngoc Nguyen, 408-630-2632
Attachments: [Attachment 1: Planning and Feasibility Report](#)
Est. Staff Time: 20 Minutes
- 4.2. Review Proposed Project Approach for the Water Supply Infrastructure Implementation Projects. [20-0573](#)
Recommendation: Review and provide input to staff on the proposed project approach for the three new water supply infrastructure implementation projects included in the Fiscal Year (FY) 2021-25 five-year Capital Improvement Program.
Manager: Bhavani Yerrapotu, 408-630-2735
Jerry De La Piedra, 408-630-2257
Attachments: [Attachment 1: PowerPoint](#)
- 4.3. Receive Information on Upcoming Consultant Agreement Amendments for Capital Projects. **20-0564**
Recommendation: Receive information on upcoming consultant agreement amendments for capital projects.
Manager: Rechelle Blank, 408-630-2615
Heath McMahon, 408-630-3126
Est. Staff Time: 10 Minutes
- 4.4. Review 2020 Capital Improvement Committee Work Plan. [20-0092](#)
Recommendation: Review the 2020 Capital Improvement Program Committee Work Plan, and make adjustments as necessary.
Manager: Michele King, 408-2630-2711
Attachments: [Attachment 1: 2020 CIP Committee Work Plan](#)
Est. Staff Time: 10 Minutes

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 10:00 a.m., on September 14, 2020, via Zoom Teleconference.



Santa Clara Valley Water District

File No.: 20-0075

Agenda Date: 8/10/2020
Item No.: 3.1.

COMMITTEE AGENDA MEMORANDUM

Capital Improvement Program Committee

SUBJECT:

Approval of Meeting Minutes - March 9 and June 29, 2020.

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: 030920 CIP Committee Minutes

Attachment 2: 062920 CIP Committee Minutes

UNCLASSIFIED MANAGER:

Michele King, 408-630-2711

CAPITAL IMPROVEMENT PROGRAM COMMITTEE MEETING

MINUTES

MONDAY, MARCH 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 in the Valley Water Headquarters – Conference Room A-124, 5700 Almaden Expressway, San Jose, California 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 S. Berning, R. Callender, J. Collins, M. Cook, N. Dominguez, R. Fuller, M. Gangoo, C. Hakes, N. Hawk, M. Lugo, H. McMahon, B. Mendenhall, N. Nguyen, L. Orta, M. Richardson, A. Rouhani, S. Ferranti, 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.

Recommendation: Approve the minutes.

The Committee considered the attached minutes of the February 10, 2020 meeting. It was moved by Director Estremera, seconded by Director LeZotte, and unanimously carried that the minutes be approved as presented.

4. ACTION ITEMS

4.1. Capital Project Monitoring – Design.

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

Chairperson Hsueh reviewed the information on this item, per the attached Committee Agenda Memo, and corresponding presentation materials contained in Attachment 1 were reviewed by staff as follows: Mr. Chris Hakes, Deputy Operating Officer, reviewed Items 1 through 3, Mr. Heath McMahon, Deputy Operating Officer, reviewed Items 4 through 9, 12 and 15, Mr. Ngoc Nguyen, Deputy Operating Officer, reviewed Items 10, 11, 13, 14 and 16 through 21.

During the presentation, the Committee made the following requests of staff:

- Revise Attachment 1, Item 6, Rinconada Water Treatment Plant (RWTP) Residuals Management facility restoration program to 1) include details regarding the landscape work being done as small capital projects at RWTP, and 2) transfer system improvement elements from Item 6 to Item 7; and
- Revise Attachment 1, Item 7, RWTP Residuals Remediation Project to include the status of system improvement element remediation work.

4.2. Opportunities to Enhance and Update the Safe, Clean Water and Natural Flood Protection Program by Evaluating a Future Funding Measure.

Recommendation: A. Receive information on opportunities to strengthen and update the existing Safe, Clean Water and Natural Flood Protection Program; and
B. Provide input on potential new program development, specifically potential capital improvement projects.

Ms. Marta Lugo, Assistant Officer, 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: Ms. Lugo reviewed Slides 1 through 5 and 12 through 15, and Mr. Brian Mendenhall, Project Manager, reviewed Slides 6 through 11.

Chairperson Hsueh suggested that staff consider revising language to clarify the Safe, Clean Water and Natural Flood Protection Program 's objective and provide a clear description of capital projects versus perpetual maintenance projects.

The Committee noted the information, without formal action.

4.3. Review 2020 Capital Improvement Program Committee Work Plan.

Recommendation: Review the 2020 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.

Chairperson Hsueh noted that the Board would discuss Project Labor Agreements at an upcoming meeting, which could result in a Project Labor Agreement discussion item being added to the Committee's Work Plan.

5. INFORMATION ITEMS.

None.

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

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

Direction to staff was recorded as follows:

Item 4.1:

- Revise Attachment 1, Item 6, Rinconada Water Treatment Plant (RWTP) Residuals Management facility restoration program to 1) include details regarding the landscape work being done as small capital projects at RWTP, and 2) transfer system improvement elements from Item 6 to Item 7; and
- Revise Attachment 1, Item 7, RWTP Residuals Remediation Project to include the status of system improvement element remediation work.

7. ADJOURN.

Chairperson Hsueh adjourned the meeting at 11:25 a.m., to the next regular scheduled meeting at 10:00 a.m., on April 13, 2020, in the Valley Water Headquarters Boardroom, located at 5700 Almaden Expressway, San Jose, California.

Natalie F. Dominguez, CMC
Assistant Deputy Clerk

Approved:

CAPITAL IMPROVEMENT PROGRAM COMMITTEE MEETING

MINUTES

**MONDAY, June 29, 2020
11:00 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 teleconference at 11:00 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 M. Baratz, R. Blank, J. Collins, N. Dominguez, S. Ferranti, R. Fuller, M. Gangoo, C. Hakes, G. Hall, J. Martin, H. McMahon, N Nguyen, L. Orta, M. Richardson, P. Trieu and B. Yerrapotu.

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. ACTION ITEMS.

3.1. Review 2020 Capital Improvement Program Committee Work Plan.

Recommendation: Review the 2020 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.

Chair Hsueh discussed the Committee's purpose and whether it was meeting the needs of the Board with regard to providing timely recommendations on capital projects and keeping the Board apprised of potential impacts before key decision

making points occurred. Ms. Jessica Collins, Watersheds Business Planning and Analysis Manager, identified areas for improvements, suggested project training for staff on Capital Improvement Program processes and annual cycle, and noted the importance of staff updating their project plans.

The following adjustments were made to the Committee's Work Plan:

- Add an item to review significant project plan updates identified under the CIP Planning Process for Capital Projects (October 2020);
- Add an item to discuss water supply infrastructure implementation projects under Planning and Feasibility section (July 2020);
- Add item to review alternate contracting process for Anderson Dam Project under CIP Implementation (July 2020); and
- Include consultant agreement amendments as a standing item (Monthly).

4. CLERK'S REVIEW AND CLARIFICATION OF COMMITTEE REQUESTS AND RECOMMENDATIONS.

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

Direction to staff was recorded as follows:

Item 3.1:

Adjust the CIP Committee Workplan to:

- Add an item to review significant project plan updates identified under the CIP Planning Process for Capital Projects (October 2020);
- Add an item to discuss water supply infrastructure implementation projects under Planning and Feasibility section (July 2020);
- Add item to review alternate contracting process for Anderson Dam Project under CIP Implementation (July 2020); and
- Include consultant agreement amendments as a standing item (Monthly).

5. ADJOURN.

Chairperson Hsueh adjourned the meeting at 11:35 a.m., to the next regular scheduled meeting at 10:00 a.m., on July 13, 2020, via Zoom video teleconference.

Natalie F. Dominguez, CMC
Assistant Deputy Clerk

Approved:



Santa Clara Valley Water District

File No.: 20-0131

Agenda Date: 8/10/2020
Item No.: 4.1.

COMMITTEE AGENDA MEMORANDUM

Capital Improvement Program Committee

SUBJECT:

Review 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.

SUMMARY:

The CIP Committee's 2020 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: planning/feasibility; design; and construction. Staff will present projects to the CIP Committee for review one phase at a time. Projects currently in the planning/feasibility phase are being presented this month.

Attachment 1 is a list of projects in the planning/feasibility 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: Planning and Feasibility Report

UNCLASSIFIED MANAGER:

Vincent Gin, 408-630-2633
Christopher Hakes, 408-630-3796
Heath McMahon, 408-630-3126
Ngoc Nguyen, 408-630-2632

Capital Project Monitoring - August 2020

Planning and Feasibility Phase

Row	Project No.	Project Name	Notes, Upcoming Board Actions or potential issues
Water Supply			
1	91234002	Coyote Pumping Plant ASD	Problem Definition Report completed in October 2019. Combined (Conceptual and Feasible) Alternatives Report completed in May 2020. Planning Study Report (including Staff Recommended Alternative) is targeted for completion by August 2020.
2	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; Outlet pipe inspection for Stevens Creek took place in December 2019.
3	91954002	Pacheco Reservoir Expansion Project	Problem Definition Report in development; Preliminary discussions of alternatives assessment underway; Field investigations of all affected private properties are underway.
4	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.
5	95044002	SCADA Implementation Project	Fiscal Year (FY) 21 New Project. Staff is working on gathering benchmarking information on SCADA Master Plans and developing a detailed scope with key stakeholder input.
6	92264001	Vasona Pumping Plant Upgrades	Problem Definition Report is expected to be completed by July 2020. Models for the Pumps and Piping Systems have been developed.
7	93284013	STWTP Filter Media Replacement	Problem Definition Report completed in October 2019. Combined (Conceptual and Feasible) Alternatives Report is expected to be completed in August 2020.
8	93084004	WTP Electrical Improvement	Problem Definition Report is expected to be completed in August 2020.
9	91304001	Expedited Purified Water Program - P3	Board study session was held in June 2020. Completion of Countywide Water Reuse Master Plan and supply discussions with potential partnering agencies to continue. Additional information to be reviewed at Recycled Water Committee.
Flood Protection			
10	26174043	Coyote Creek, Montague Expressway to Tully Road	Feasible alternatives completed in December 2019. Recommended project determined in winter 2020. Draft Planning Study Report nearly completed. Section 1126 Memorandum of Agreement (MOA) with U.S. Army Corps of Engineers (USACE) PMP work is underway.
11	26324001	Upper Penitencia Ck, Coyote Ck-Dorel Drive	Recommended project identified July 2019; USACE does not support multi-objective project; project will proceed 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) transferred from this project to Coyote Creek. Draft Planning Study Report nearly completed.
12	00044026s	San Francisco Bay Shoreline	USACE is proceeding with feasibility study for Phase 2. On January 23, 2020, the USACE completed the alternatives milestone evaluation and recommended to focus the Phase 2 Feasibility Study on Environmental Impact Areas (EIAs) EIAs 1-4 (from San Francisquito Creek in Palo Alto to Permanente Creek in Mountain View). Phase 2 was scoped down to EIAs 1-4 due to risks associated with schedule and funding. The Tentative Selection Plan is scheduled for completion in April 2021. USACE is requesting future funding for a Phase 3 Feasibility Study for EIAs 5-10 (from Permanente Creek in Mountain View to Guadalupe River in San Jose).

Capital Project Monitoring - August 2020

Planning and Feasibility Phase

Row	Project No.	Project Name	Notes, Upcoming Board Actions or potential issues
13	30154019	Guadalupe River - Tasman to Hwy 880	Problem Definition Report completed July 2019; Alternatives analysis underway; Planning study report delayed by six months to spring of 2021 due to extensive list of alternatives and the work required to analyze.
14	26154003	Upper Guadalupe River from SPRR to Blossom Hill Road (Reaches 7-12)	In February 2020, USACE received approval of \$1.5 million in funding to perform a general re-evaluation report (GRR). Valley Water will cost share the study by contributing \$1.5 million. The general re-evaluation report will evaluate alternatives for the project, with the goal of making the project more competitive for federal funding. Under USACE Guidelines, they are planning to complete the GRR in 3 years by September 2023.
<u>Water Resources Stewardship</u>			
15	20444001s	Salt Ponds A5-11 Restoration	Draft Feasibility study on the realignment of Calabazas and San Tomas Creeks completed and undergoing quality control review. Final report to be presented to the Board for study direction by the end of 2020.
16	62044001	Stevens Creek Fish Passage Barrier Analysis	Consultant contract extended until December 31, 2020. Comments on draft report submitted to consultant in March 2020.
17	62044003	Ogier Ponds Planning Study	MOA for planning study being negotiated with landowner (County Parks). MOA expected to go before County Supervisors for approval in late 2020.
18	62044001	Metcalf Pond Feasibility Study	Per meeting with Steering Committee in December 2019, project team will revise Feasibility Study Objectives to broaden range of alternatives. Project team will engage Steering Committee with planning charrettes (problem definition and conceptual alternatives). Final Feasibility Study Report expected by December 2020.

Buildings & IT

No projects to report at this time



Santa Clara Valley Water District

File No.: 20-0573

Agenda Date: 8/10/2020

Item No.: 4.2.

COMMITTEE AGENDA MEMORANDUM

Capital Improvement Program Committee

SUBJECT:

Review Proposed Project Approach for the Water Supply Infrastructure Implementation Projects.

RECOMMENDATION:

Review and provide input to staff on the proposed project approach for the three new water supply infrastructure implementation projects included in the Fiscal Year (FY) 2021-25 five-year Capital Improvement Program.

SUMMARY:

There are three new water supply infrastructure implementation projects in the current Board-approved Capital Improvement Program (CIP). Staff will review these projects with Valley Water's Capital Improvement Program Committee (CIP Committee) and receive input on the proposed project approach.

Supervisory Control and Data Acquisition (SCADA) Implementation Project (Project No. 95044002)
Valley Water's process control and SCADA systems, which serve a pivotal role in monitoring and controlling the raw water conveyance system (including reservoirs and pumping plants), treatment plants and distribution systems are aging and in need of coordinated replacement and upgrade. The SCADA Implementation Project will prepare an update to the process control systems/SCADA master plan (2011), produce detailed design and implementation standards for new projects, and recommend a coordinated suite of improvement projects (projects implementation plan).

The project will develop a 15-year SCADA Capital Improvement Program with a suite of capital improvement projects along with a Programmatic Environmental Impact Report (PEIR) for the Board's consideration and adoption. The estimated cost of the project is \$6.8 million which includes \$3.3 million in consultant services expenses, along with staff resources for project engineering and key partner and stakeholder participation.

Water Treatment Plant Implementation Project (Project No. 93044001)

The infrastructure needs for the water treatment plants (WTPs) have been developed over the years through a number of planning documents focused on specific process areas, and not through an integrated master implementation plan. As a result, projects are often piecemealed for specific needs, needing frequent rebuilds or upgrades due to adjacent processes or regulatory requirements changes. The WTP Implementation Project will develop a comprehensive implementation plan forecasting over a 30-year period to identify projects to repair, replace, and/or upgrade the infrastructures at Valley Water's four WTPs; address the increasingly stringent water quality

regulations; and integrate with the recently completed Water Supply Master Plan (WSMP).

The project will develop a 30-year WTP Capital Improvement Program with a suite of capital improvement projects along with a PEIR for the Board's consideration and adoption. The estimated cost of the project is \$8.6 million which includes \$6 million in consultant services expenses, along with staff resources for dedicated project management and project engineering, and for key partner and stakeholder participation.

Distribution System Implementation Project (Project No. 95044001)

Valley Water has not conducted a comprehensive evaluation of its distribution system (raw and treated water pipelines) in recent history. With the recently completed WSMP, there is a need to develop a comprehensive Distribution Systems Implementation Plan (DSMP) forecasting over a 30-year period to identify improvements to Valley Water's raw and treated water systems based on current demands, future growth, and emergencies. The DSMP will provide significant insights, analysis tools for Valley Water's raw and treated water distribution systems to ensure that the distribution system infrastructure is appropriately sized to accommodate new supplies as they are brought online, retailer needs, and recommend direct capital actions needed to protect existing distribution systems.

The project will develop a 30-year Distribution System Capital Improvement Program with a suite of capital improvement projects along with a PEIR for the Board's consideration and adoption. The estimated cost of the project is \$8.2 million which includes \$6 million in consultant services expenses, along with staff resources for dedicated modeling analysis and evaluation, project engineering support, and for key partner and stakeholder participation.

Proposed Project Approach

Given the significant nature of these efforts to conduct a comprehensive evaluation of the treatment, distribution and the key support infrastructure, staff will be engaging consultant support to develop these master plans. Over the last several months staff have been collecting key benchmarking information from other agencies on the level of effort and approach for developing infrastructure master plans as well as gathering and cataloguing past Valley Water infrastructure and asset evaluation plans. Staff plans to use this information to develop consultant scope of services for all three projects and proceed with consultant selection during the remainder of this calendar year.

The first and key task for the project team will be to work with key stakeholders and the Board to define project goals (including but not limited to capacity, regulatory and reliability goals) that align with the WSMP. Once the goals have been established, the existing infrastructure will be evaluated against the goals and recommended projects will be identified to meet the goals. Recommended projects from all three implementation projects need to be integrated to ensure the individual implementation plans for each project and the phasing are coordinated. Conceptual designs will also be completed for the recommended projects to assist in the capital improvement program development and cost forecasting. Staff plans to engage internal and external stakeholders in the process as well as provide updates and seek policy guidance from the Board and the CIP Committee.

After the development of the recommended implementation plan, the project scope will include the completion of a comprehensive PEIR so Valley Water can swiftly move to implementing the capital projects as well be poised to seek any available grant funding.

All three implementation projects will start in FY 2021. It is anticipated that the development of the recommended capital improvement projects and the implementation plan as well as the completion of the PEIRs will take approximately three years to complete. Staff is currently preparing the request for proposals for the implementation project consultant services and plans to complete consultant selection and agreements in the spring of 2021.

ATTACHMENTS:

Attachment 1: PowerPoint

UNCLASSIFIED MANAGER:

Bhavani Yerrapotu, 408-630-2735

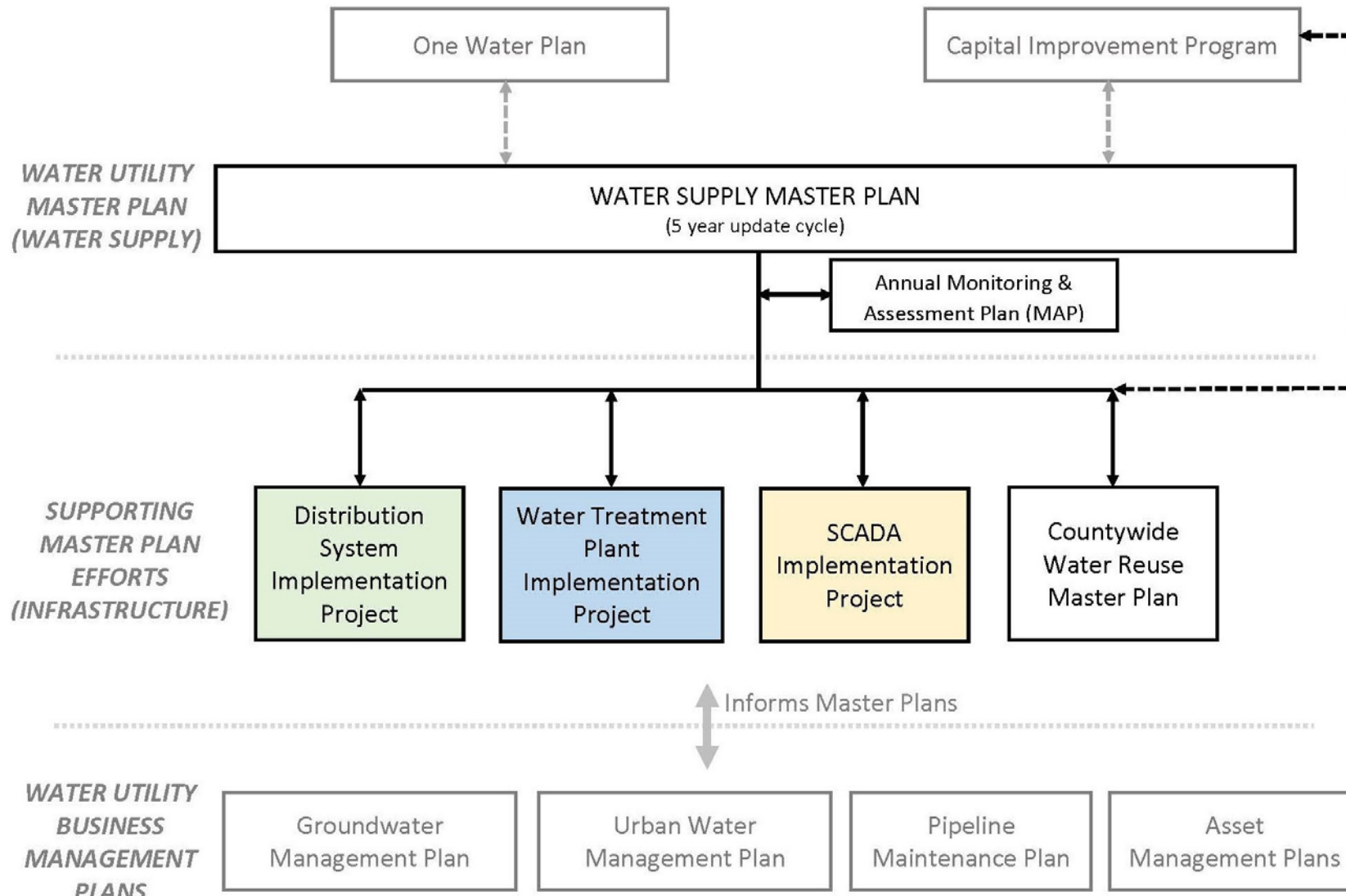
Jerry De La Piedra, 408-630-2257

Water Supply Infrastructure Implementation Projects (FY 21-23)

Agenda

- Infrastructure Planning
- The Projects
- Project Approach
- Board and Stakeholder Engagement
- Project Timeline
- Next Steps

Infrastructure Planning



Supervisory Control and Data Acquisition (SCADA) Implementation Project

Develop a comprehensive implementation plan that coordinates updating aging/obsolete infrastructure, standardization, and other operational improvements.

Deliverables:

- Update the 2011 Master Plan and recommend a SCADA Capital Improvement Program for the next 15 years for the Board's consideration
- Develop detailed design and implementation standards for the new projects
- Present an implementation plan with a programmatic EIR

Resources: \$6.8 million



Water Treatment Plant Implementation Project

Develop a comprehensive implementation plan that coordinates regulatory-driven changes, updating aging infrastructure, and other operational improvements.

Deliverables:

- Recommend a Water Treatment Plant Capital Improvement Program for the next 30 years for the Board's consideration
- Present an implementation plan with a programmatic EIR

Resources: \$8.6 million



Distribution System Implementation Project

Develop a comprehensive implementation plan that coordinates updating aging infrastructure, future growth/retailer needs, and other operational improvements.

Deliverables:

- Recommend a Distribution System Capital Improvement Program for the next 30 years for the Board's consideration
- Present an implementation plan with a programmatic EIR

Resources: \$8.2 million



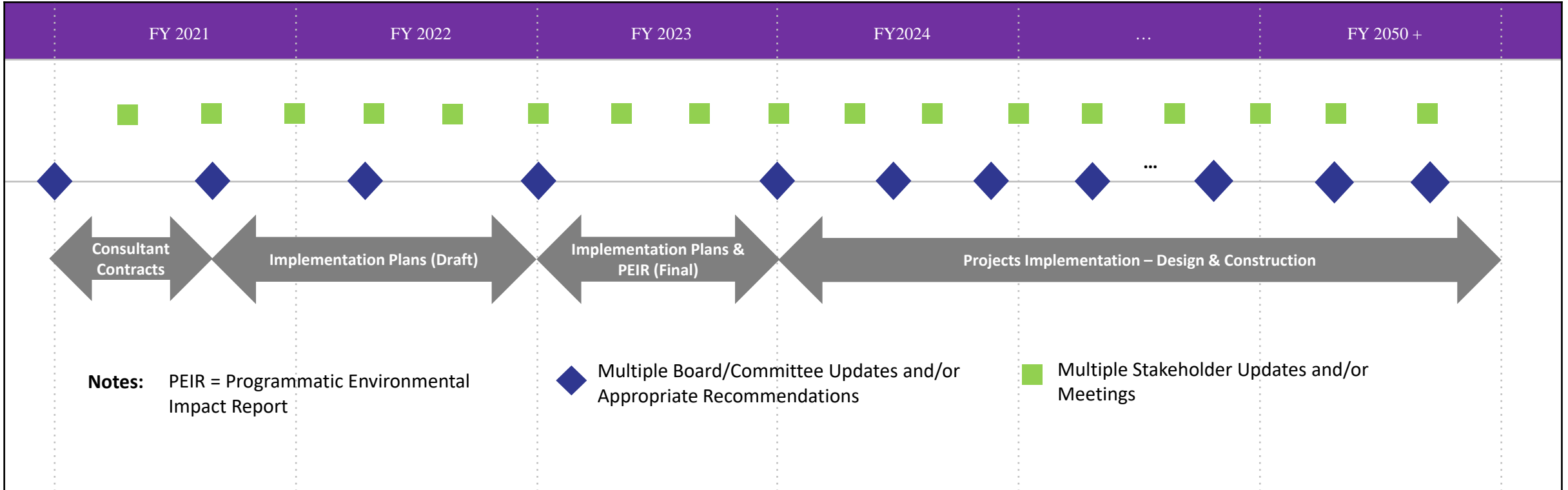
Project Approach

1. Define project goals to align with Water Supply Master Plan (WSMP)
 - a) May include additional infrastructure goals not identified in the WSMP
2. Project identification and alternative analysis to meet defined goals (capacity, regulatory and reliability)
3. Integrate recommended projects from all three infrastructure plans
4. Implementation plan/phasing
5. Conceptual design for new projects
6. Programmatic EIR
7. Implementation program management

1. Board/CIP Committee
 - Project Goals Development
 - Project Status Updates
 - Draft/Final Implementation Plan and PEIR Approvals
 - CIP Project Approvals
2. Stakeholders (Retailers, Regulatory Agencies & Other Agencies)
 - Project Goals Development
 - Project Status Updates
 - Draft/Final Implementation Plan and PEIR Reviews

Project Timeline

Implementation Projects Timeline (in FYs)



1. Issue Implementation Project Consultant Request for Proposals (Fall 2020)
2. Complete Consultant Selection and Agreements (Spring 2021)



Santa Clara Valley Water District

File No.: 20-0564

Agenda Date: 8/10/2020

Item No.: 4.3.

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 all consultant agreement amendments for capital projects to be presented for Board consideration and approval.

At this time, there are two capital projects consultant agreement amendments staff recommends for discussion by the Committee.

- 1. Amendment No. 6 to Agreement A3618A with NV5, Inc., for the San Francisquito Creek Project No. 26284002.** Staff recommends Board approval of Amendment No. 6 of Agreement No. A3618A with NV5, Inc., formerly known as Nolte Associates, Inc., to extend the agreement from its current expiration on September 30, 2020, to September 30, 2021 to complete the design of the Pope/Chaucer Street Bridge Replacement at San Francisquito Creek Project No. 26284002.

This Project will replace the existing bridge with a new one that will provide additional hydraulic capacity to pass all historic flood events, including the largest recorded flood event in 1998.

Project design began in 2012 but was suspended in 2013 for several years until additional public outreach was conducted and stakeholders agreed on the bridge design criteria. Local project sponsor, San Francisquito Creek Joint Powers Authority agreed with the design criteria for the Pope/Chaucer Bridge to carry the maximum flow that is conveyed from the upstream channel with maximum freeboard without impacting the adjacent properties along the road due to raising the road profile.

Due to schedule impacts associated with increased coordination and review with external

stakeholders, notably the Cities of Palo Alto and Menlo Park, along with the COVID-19 pandemic, the duration of the design phase of this Project has been delayed.

Design work for this Project is currently at 80%. Amendment No. 6 will allow the Consultant to complete the design work.

Staff is therefore recommending the CEO amend this agreement to extend the expiration date from September 30, 2020 to September 30, 2021 to allow the Consultant to complete the design phase, as explained above.

- 2. Amendment No. 1 to Agreement A4237A with Brown and Caldwell, Inc., for the Coyote Pumping Plant ASD Replacement Project No. 91234002.** Staff recommends amending this agreement to extend the expiration date from September 30, 2020 to July 31, 2024 to allow the Consultant to complete the preparation of planning and design phase documents.

On March 12, 2019, Valley Water entered into the Agreement for the Consultant to perform planning and pre-liminary design services for the Coyote Pumping Plant ASDs Replacement Project (Project), Project No. 91234002. The Agreement expires September 30, 2020.

An extension of time to the term of the Agreement is necessary primarily as a result of the additional time required to complete the planning phase documents, including the Control Systems Technical Memoranda, Problem Definition Report, Project Requirements Memoranda, and the Conceptual & Alternatives Analysis Report. Additional time is also necessary due to the transition in project team members.

This Project is planned to be Valley Water's first project delivered using the design-build process. Staff will need additional time to prepare the design-build contract documents that are required for the Consultant to complete the Agreement services under Task 8 - Design-Build Procurement Support.

Due to the extended schedule required to complete the Project, it is necessary to extend the term of the agreement from September 30, 2020 to July 31, 2024.

Staff is therefore recommending the CEO amend this agreement to extend the expiration date from September 30, 2020 to July 31, 2024 to allow the Consultant to complete the preparation of planning and design phase documents, as explained above.

ATTACHMENTS:

None.

UNCLASSIFIED MANAGER:

Rechelle Blank, 408-630-2615

Heath McMahon, 408-630-3126



Santa Clara Valley Water District

File No.: 20-0092

Agenda Date: 8/10/2020
Item No.: 4.4.

COMMITTEE AGENDA MEMORANDUM

Capital Improvement Program Committee

SUBJECT:

Review 2020 Capital Improvement Committee Work Plan.

RECOMMENDATION:

Review the 2020 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.

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 2020 CIP Work Plan contained in Attachment 1 is presented for the Committee's review to determine topics for discussion in 2020.

All meetings have been scheduled to occur on the second Monday of each month in 2020 in accordance with the Committee's charter, with the exception of the meetings in April and May 2020, which were cancelled due to the COVID-19 Shelter-in-Place Order; the meetings in June and July 2020, which were special meetings; and the October meeting, which has been rescheduled to October 19, 2020, due to the holiday schedule.

ATTACHMENTS:

File No.: 20-0092

Agenda Date: 8/10/2020
Item No.: 4.4.

Attachment 1: 2020 CIP Committee Work Plan

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					
CIP Implementation												
Review Project Delivery Process for Capital Projects		X							X			
CIP Development												
CIP Planning Process												
Review Significant Project Plan Updates										X		
Committee Review of Initially Validated Projects											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	X
Minutes	X	X	X					X	X	X	X	X

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