

April 11, 2022

MEETING NOTICE**SANTA CLARA VALLEY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM COMMITTEE**

Members of the Capital Improvement Program Committee:

Director Nai Hsueh, Chairperson
Director Linda LeZotte, Vice Chairperson
Director Tony Estremera, Committee Member

Staff Support of the Capital Improvement Program Committee:

Rick Callender, Chief Executive Officer
Melanie Richardson, Asst. Chief Officer – Integrated Water Management
Leslie Orta, Senior Assistant District Counsel
Rachael Gibson, Chief of External Affairs
Tina Yoke, Chief Administrative Officer
Darin Taylor, Chief Financial Officer
Aaron Baker, Chief Operating Officer – Water Utility
Rechelle Blank, Chief Operating Officer – Watersheds
Lisa Bankosh, Assistant Officer
Sam Bogale, Assistant Officer
Don Rocha, Deputy Administrative Officer
Michael Cook, Deputy Administrative Officer
Christopher Hakes, Deputy Operating Officer
Bhavani Yerrapotu, Deputy Operating Officer
John Bourgeois, Deputy Operating Officer
Jennifer Codianne, Deputy Operating Officer
Emmanuel Aryee, Acting Deputy Operating Officer
Vincent Gin, Deputy Operating Officer
Gregory Williams, Deputy Operating Officer
Bryant Welch, Labor Relations Officer
David Montenegro, Principal Construction Contracts Administrator
Charlene Sun, Treasure & Debt Manager
Jessica Collins, Business Planning and Analysis Unit Manager
Conception Gayotin, Purchasing & Contracts Manager
Linh Hoang, Communications Manager
Jill Bernhard, Acting System Development & Support Manager

A regular meeting of the Santa Clara Valley Water District Capital Improvement Program Committee has been scheduled to occur at **11:00 a.m., on Monday, April 18, 2022** in the Headquarters Building Boardroom located at the Santa Clara Valley Water District, 5700 Almaden Expressway, San Jose, California.

Members of the public may join the meeting via Zoom Teleconference at <https://valleywater.zoom.us/j/94158013374>

The meeting agenda and corresponding materials are located on the Committee's website at: <https://www.valleywater.org/how-we-operate/committees/board-committees>.

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Santa Clara Valley Water District Capital Improvement Program Committee Meeting

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

REGULAR MEETING AGENDA

**Monday, April 18, 2022
11:00 AM**

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

BOARD COMMITTEE MEMBERS:

Committee Chair:
Director Nai Hsueh, District 5

Committee Vice Chair:
Director Tony Estremera, District 6

Director Linda J. LeZotte, District 4

During the COVID-19 restrictions, all public records relating to an open session item on this agenda, which are not exempt from disclosure pursuant to the California Public Records Act, that are distributed to a majority of the legislative body, will be available to the public through the legislative body agenda web page at the same time that the public records are distributed or made available to the legislative body. Santa Clara Valley Water District will make reasonable efforts to accommodate persons with disabilities wishing to participate in the legislative body's meeting. Please advise the Clerk of the Board Office of any special needs by calling (408) 265-2600.

COMMITTEE LIAISON:
Jessica Collins

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

Note: The finalized Board Agenda, exception items and supplemental items will be posted prior to the meeting in accordance with the Brown Act.

Santa Clara Valley Water District
Capital Improvement Program Committee
REGULAR MEETING
AGENDA

Monday, April 18, 2022

11:00 AM

Teleconference Meeting

5700 Almaden Expressway, San Jose, CA 95118

IMPORTANT NOTICES AND PARTICIPATION INSTRUCTIONS

The Santa Clara Valley Water Board of Directors/Board Committee meeting will be held as a “hybrid” meeting, conducted in person as well as by telecommunication, and is compliant with the provisions of the Ralph M. Brown Act.

To maximize public safety while still maintaining transparency and public access, members of the public have an option to participate by teleconference/video conference or attend in person. To observe and participate in the meeting by teleconference/video conference, please see meeting link located at the top of the agenda. If attending in person, you are encouraged to wear a mask.

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

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 three 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.

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

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

1. CALL TO ORDER:

1.1. Roll Call.

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

Notice to the Public: Members of the public who wish to address the Committee on any item not listed on the agenda should access the "Raise Hand" tool located in Zoom meeting link listed on the agenda. Speakers will be acknowledged by the Committee Chair in order requests are received and granted speaking access to address the Committee. Speakers comments should be limited to three minutes or as set by the Chair. The law does not permit Committee action on, or extended discussion of, any item not on the agenda except under special circumstances. If Committee action is requested, the matter may be placed on a future agenda. All comments that require a response will be referred to staff for a reply in writing. The Committee may take action on any item of business appearing on the posted agenda.

3. APPROVAL OF MINUTES:

3.1. Approval of March 14, 2022 Capital Improvement Program Committee Minutes.

[22-0487](#)

Recommendation: Approve the minutes.

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

Attachments: [Attachment 1: 03/14/22 CIP Committee Minutes](#)

Est. Staff Time: 5 Minutes

4. ACTION ITEMS:

- 4.1. Review Capital Project Monitoring - Feasibility and Planning Report. [22-0470](#)
- 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
Emmanuel Aryee, 408-630-3074
Bhavani Yerrapotu, 408-630-2735
Vincent Gin, 408-630-2633
- Attachments: [Attachment 1: Feasibility and Planning Report](#)
- Est. Staff Time: 15 Minutes
- 4.2. Receive Information on Upcoming Consultant Agreement Amendments for Capital Projects. [22-0472](#)
- Recommendation: Receive information on upcoming consultant agreement amendments for capital projects.
- Manager: Chris Hakes, 408-630-3796
Emmanuel Aryee, 408-630-3074
- Est. Staff Time: 5 Minutes
- 4.3. Receive update on the 10-Year Pipeline Inspection and Rehabilitation Project, Project No. 95084002. [22-0474](#)
- Recommendation: Receive update on the 10-Year Pipeline Inspection and Rehabilitation Project, Project No. 95084002.
- Manager: Emmanuel Aryee, 408-630-3074
- Attachments: [Attachment 1: Map](#)
[Attachment 2: PowerPoint](#)
- Est. Staff Time: 20 Min
- 4.4. Receive Information on Change Orders to Anderson Dam Tunnel Project Construction Contract. [22-0471](#)
- Recommendation: Receive Information on Change Orders to Anderson Dam Tunnel Project Construction Contract.
- Manager: Christopher Hakes, 408-630-3796
- Attachments: [Attachment 1: Construction Contract Change Orders Status](#)
- Est. Staff Time: 5 Minutes

- 4.5. Review 2022 Capital Improvement Committee Work Plan.

[22-0473](#)

Recommendation: Review the 2022 Capital Improvement Program Committee Work Plan and make adjustments as necessary.

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

Attachments: [Attachment 1: 2022 CIP Committee Work Plan](#)

Est. Staff Time: 5 Minutes

5. CLERK REVIEW AND CLARIFICATION OF COMMITTEE REQUESTS.

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

6. ADJOURN:

- 6.1. Adjourn to Regular Meeting at 11:00 a.m., on May 16, 2022.



Santa Clara Valley Water District

File No.: 22-0487

Agenda Date: 4/18/2022

Item No.: 3.1.

COMMITTEE AGENDA MEMORANDUM

Capital Improvement Program Committee

SUBJECT:

Approval of March 14, 2022 Capital Improvement Program Committee Minutes.

RECOMMENDATION:

Approve the minutes.

SUMMARY:

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

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

ATTACHMENTS:

Attachment 1: 03/14/22 CIP Committee Minutes

UNCLASSIFIED MANAGER:

Candice Kwok-Smith, 408-630-3193

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CAPITAL IMPROVEMENT PROGRAM COMMITTEE MEETING

MINUTES

**MONDAY, MARCH 14, 2022
1:00 PM**

(Paragraph numbers coincide with agenda item numbers)

1. CALL TO ORDER:

A special meeting of the Santa Clara Valley Water District (Valley Water) Capital Improvement Program Committee (Committee) was called to order via Zoom video teleconference at 1:00 p.m.

1.1 Roll Call.

Committee members in attendance by Zoom teleconference 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 by Zoom teleconference were District Counsel Carlos Orellana, Aaron Baker, Henry Barrientos, Sarah Berning, Rechelle Blank, Roseryn Bhudsabourgh, Rolando Bueno, Chris Cannard, Rita Chan, Jessica Collins, Hemang Desai, Concepcion Gayotin, Andrew Gschwind, Chris Hakes, Odilia Leonardo, Jennifer Martin, David Montenegro, Carmen Narayanan, Karl Neuman, Alec Nicholas, Gary O'hea, Leslie Orta, Mike Potter, Melanie Richardson, Don Rocha, Kirsten Struve, Bryant Welch, Greg Williams, Steven Wu, Bhavani Yerrapotu, and Beckie Zisser.

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 February 14, 2022 Capital Improvement Program Committee Minutes.

Recommendation: Approve the Minutes.

It was moved by Director LeZotte, seconded by Director Hsueh, and unanimously carried by roll call vote to approve the Minutes of February 14, 2022.

4. ACTION ITEMS

4.1. Receive Update on Consultant Support for the Public-Private Partnership (P3) Purified Water Project.

Recommendation: Receive update on consultant support for the Public-Private Partnership (P3) Purified Water Project.

Ms. Kirsten Struve, Assistant Officer, reviewed the information on this item, per the attached Committee agenda memo.

The Committee received information without taking formal action.

4.2. Receive Information on Upcoming Consultant Agreement Amendments for Capital Projects.

Recommendation: Receive Information on Upcoming Consultant Agreement Amendments for Capital Projects.

Ms. Bhavani Yerrapotu, Deputy Operating Officer; Mr. Rolando Bueno, Capital Engineering Manager; and Ms. Struve, reviewed the information on this item, per the attached Committee agenda memo.

The Committee received the information without taking formal action.

4.3. Review Capital Project Monitoring – Construction Report.

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

Mr. Christopher Hakes, Deputy Operating Officer, reviewed the information on this item per the attached Committee agenda memo and the information contained in Attachment 1 were reviewed by staff as follows: Mr. Hakes reviewed Item 1; Mr. Ohea, reviewed Items 2 through 9; Ms. Yerrapotu reviewed Items 10 through 16; and Mr. Chris Cannard, Information Technology Manager, reviewed Items 17 through 20.

The Committee received the information without formal action and requested that staff come back with information on whether the Data Consolidation Project would include ongoing projects in other jurisdictions at the June 2022 CIP meeting.

4.4. Receive, Review and Discuss Information on the Dam Safety Program.

Recommendation: Receive, review and discuss information on the Dam Safety Program.

Mr. Steven Wu, Senior Engineer – Geotechnical, reviewed the information on this item per the attached Committee agenda memo and the information contained in Attachment 1.

The Committee noted the information without taking formal action, and requested that staff report back and add on the committee's work plan a possible reserve

funding in anticipation of emergency work on district dams and spillways. Project staff will coordinate with Mr. Darin Taylor, Chief Financial Officer, and determine a time to return to the CIP Committee with financial analysis regarding a possible reserve.

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

Recommendation: Receive information on change orders to Anderson Dam Tunnel Project Construction Contract.

There was no discussion or action taken on this item.

4.6. Review 2022 Capital Improvement Program Committee Work Plan.

Recommendation: Review the 2022 Capital Improvement Program Committee Work Plan and make adjustments as necessary.

The Committee received the 2022 Capital Improvement Program Committee work plan, and requested the following updates from staff:

- Remove the item on Lower Berryessa Phase 2 Project for April since it was covered in the discussion of Agenda Item 4.3, Attachment 1, Line Item No. 13.
- Include updates on the Data Consolidation Project for June on the item on Capital Project Monitoring – Construction. Ms. Jessica Collins, Watersheds Business Planning & Analysis Manager, would reach out to Mr. Mike Cook, Deputy Administrative Officer, to provide additional information on what this project is intended for, how the Community Projects Unit would use the collected data, and if data would include ongoing projects outside of Valley Water jurisdiction. The Committee noted that after the June discussion, a determination could be made if further discussion with other committees would be necessary.

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

None.

8. ADJOURN

7.1. Adjourn to Regular Meeting at 11:00 a.m., on April 18, 2022.

Chairperson Hsueh adjourned the meeting at 2:10 p.m., to the regular meeting scheduled to occur at 11:00 a.m. on Monday, April 18, 2022.

Eva M. Sans

Assistant Deputy Clerk

Approved:



Santa Clara Valley Water District

File No.: 22-0470

Agenda Date: 4/18/2022

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 2022 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

Emmanuel Aryee, 408-630-3074

Bhavani Yerrapotu, 408-630-2735

Vincent Gin, 408-630-2633

Capital Project Monitoring - April 2022

Planning and Feasibility Phase

Row	Project No.	Project Name	Notes, Upcoming Board Actions or potential issues
Water Supply			
1	91084019	Dam Seismic Stability Evaluation	Seismic stability evaluations for Coyote, Chesbro and Uvas Dams continue through December 2022. Spillway evaluations for Lenihan and Stevens Creek Dams are on track, and have been submitted for Division of Safety of Dams (DSOD) review.
2	91954002	Pacheco Reservoir Expansion Project	The public comment period for the Draft Environmental Impact Report (EIR) closed on February 15th and over 180 comment letters were received from various agencies, groups, and individuals. Staff and the consultant team will be working to address the comments and incorporate them into the Final EIR. Technical work continues with 30% design reviews by the technical review board, United States Bureau of Reclamation (USBR), and DSOD planned for May and June 2022. The 30% design reviews will be accompanied by an updated cost estimate. Additional field investigations will be starting soon and will continue through 2022. Planning phase activities will be completed once the 30% design level facilities are finalized.
3	92C40357	FAHCE Implementation	Fish and Aquatic Habitat Collaborative Effort (FAHCE) phase 1 measures for Coyote Creek are being incorporated into the Anderson Dam Seismic Retrofit Project (ADSRP) EIR and its associated permitting package as conservation measures for the larger project. The FAHCE Draft EIR for Stevens Creek and Guadalupe Watershed was out for public review until October 15, 2021. Comments are currently being addressed.
4	92264001	Vasona Pumping Plant Upgrades	Draft 30% design documents have been submitted and reviewed. A workshop meeting was held in March 2022 to address comments from quality control team members. Environmental technical reports have been submitted and are under review by staff.
5	92304001	Almaden Valley Pipeline Replacement Project	Proposals from two firms were received in January 2022 in response to Valley Water's Request for Proposals (RFP) issued for planning phase consultant services. A review panel rated consultants based on their written proposal and interview with the proposed team. Contract review and negotiation is underway with the highest ranked firm.
6	91304001	Purified Water Program - P3	Based on responses from a Request for Qualifications (RFQ), staff has shortlisted four teams to submit proposals and is continuing to make progress on development of the RFP and draft Environmental Impact Report (EIR). Updates will be presented to the Recycled Water Committee.
7	93044001	Water Treatment Plant (WTP) Implementation Project	Field condition assessments were completed at Penitencia, Rinconada, and Santa Teresa WTPs. Master Plan goals and objectives are currently being developed with internal stakeholder and retailer input.
8	95044002	SCADA Implementation Project	Implementation Plan and Owners Advisor consultant agreement negotiations were completed in March 2022 and staff anticipate presenting the agreements to the Board for approval in May 2022.
9	95044001	Distribution System Implementation Project	Consultant agreement negotiations were completed in March 2022 and staff anticipate presenting the agreement to the Board for approval in May 2022.
Flood Protection			
10	26324001	E4: Upper Penitencia Ck, Coyote Ck-Dorel Drive	Recommended project proceeding with Phase 1 (Coyote Creek confluence to King Rd.) and Phase 2 (King Rd. to Capitol Expressway) 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. The Planning Study Report completed final draft for internal circulation in April 2022. The project will move into the design phase in early 2022.
11	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 due to extensive list of alternatives and the work required to analyze. Recommended project report under development early 2022.

Capital Project Monitoring - April 2022

Planning and Feasibility Phase

Row	Project No.	Project Name	Notes, Upcoming Board Actions or potential issues
12	00044026s	San Francisco Bay Shoreline - Phase II and Phase III	USACE Phase II Feasibility Study began September 26, 2019. A 3X3X3 waiver was approved in 2021. The revised study cost will now be \$5.6M with a study completion date of April 2025. Valley Water is responsible for 50% of the study cost. The Phase II study includes Economic Impact Areas (EIAs) EIAs 1-4 (from San Francisquito Creek in Palo Alto to Permanente Creek in Mountain View). The next milestone for the Tentative Selection Plan is targeted for July 2022 pending sufficient federal funding. USACE has received \$1.5M to begin a Phase III Feasibility Study for EIAs 5-10 (from Permanente Creek in Mountain View to Guadalupe River in San Jose), staff will be discussing next steps with USACE.
<u>Water Resources Stewardship</u>			
13	62044001	Metcalf Pond Feasibility Study	Project team 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 Quality Control review.
14	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. Project was presented to the Board for budget update and acceptance of awarded grants on December 14, 2021. Project now in planning phase for problem definition.
15	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.: 22-0472

Agenda Date: 4/18/2022

Item No.: 4.2.

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 which may include modifications to scope, schedule, and/or budget.

There are three consultant agreement amendments for capital projects presented here for the Committee's information:

1. **Amendment No. 2 to Agreement A4264A with Cal Engineering & Geology for On-Call Geotechnical Engineering Services (Time Extension, NTE Fee Increase) (C. Hakes).**

Staff will recommend Board approval of Amendment No. 2 to Agreement A4264A with Cal Engineering & Geology (Consultant) for On-Call Geotechnical Engineering Services to extend the expiration date of the Agreement by two years, from May 27, 2022, to May 26, 2024 and increase the not-to-exceed (NTE) amount by \$1,000,000 for a new NTE of \$2,750,000.

Under Agreement A4264A, the Consultant is performing geotechnical engineering services, on an as-needed basis, for Watersheds and Water Utility capital projects. To date, Valley Water has issued a total of 30 task orders under the multi-award on-call geotechnical Agreements A4264A and A4263A for various projects in planning, design, and construction phases and 68% of the approved not to exceed fee of \$1,750,000 has been expended.

The not-to-exceed fee is higher than anticipated due to the higher-than-anticipated demand for geotechnical support services from projects in Valley Water's CIP, including, but not limited to, the Anderson Dam Federal Energy Regulatory Commission Order Compliance Project (FOCP), Project No. 91864005, Purified Water Project No. 91304001, and ongoing operations

and maintenance work. Amendment No. 2 will allow the Consultant to continue to perform necessary geotechnical engineering services for ongoing projects, thereby keeping the projects on schedule, and allow the Consultant to provide similar services for future projects.

2. Amendment No. 2 to Agreement A4263A with Kleinfelder, Inc. for On-Call Geotechnical Engineering Services (Time Extension, NTE Fee Increase) (C. Hakes)

Staff will recommend Board approval of Amendment No. 2 to Agreement A4263A with Kleinfelder, Inc. (Consultant) for On-Call Geotechnical Engineering Services to extend the expiration date of the Agreement by two years, from May 27, 2022 to May 26, 2024 and to increase the not-to-exceed (NTE) amount by \$1,000,000 for a new not-to-exceed fee of \$2,750,000.

Under Agreement A4263A, the Consultant is performing geotechnical engineering services, on an as-needed basis, for Watersheds and Water Utility capital projects. To date, Valley Water has issued a total of 30 task orders under the multi-award on-call geotechnical Agreements A4264A and A4263A for various projects in planning, design, and construction phases and 68% of the approved not to exceed fee of \$1,750,000 has been expended.

The not-to-exceed fee is higher than anticipated due to the higher-than-anticipated demand for geotechnical support services from projects in Valley Water's CIP, including, but not limited to, the Anderson Dam Federal Energy Regulatory Commission Order Compliance Project (FOCP), Project No. 91864005, Purified Water Project No. 91304001, and ongoing operations and maintenance work. Amendment No. 2 will allow the Consultant to continue to perform necessary geotechnical engineering services for ongoing projects, thereby keeping the projects on schedule, and allow the Consultant to provide similar services for future projects.

3. Amendments No. 2 and No. 3 to Agreement A4158A with Northgate Environmental Management, Inc. for On-Call Environmental Site Assessment, Remedial Design, and Storm Water Management and Engineering Services. (Time Extension.) (E.Aryee)

Staff will recommend Deputy Administrative Officer approval of Amendment No. 3 to Agreement A4158A with Northgate Environmental Management, Inc. for On-Call Environmental Site Assessment, Remedial Design, and Storm Water Management and Engineering Services to extend the expiration date of the Agreement retroactively from March 1, 2022 to May 31, 2022.

Under this Agreement, Northgate Environmental Management, Inc. has been performing various on-call duties pertaining to environmental site assessment, remedial design, storm water management and engineering services for Valley Water since enactment of Agreement A4158A in July 2018. Amendment No. 2 was executed by Valley Water's Chief Operating Officer on January 10, 2022 to extend the expiration date of the Agreement from January 6, 2022 to February 28, 2022.

There are currently two active task orders under this Agreement, one to finalize draft Hazardous Substance Liability Assessment (HSLA) reports as per Valley Water's comments for the Coyote Creek Flood Protection Project No. 26174043; and one to complete the draft

Feasibility Study Report, address Valley Water comments, and finalize report for the Former Los Altos Treatment Plant Project, as part of the Expedited Purified Water Program, Project No. 91304001. Amendment No. 3 will give the Consultant sufficient time to complete these remaining services.

ATTACHMENTS:

None.

UNCLASSIFIED MANAGER:

Chris Hakes, 408-630-3796

Emmanuel Aryee, 408-630-3074



Santa Clara Valley Water District

File No.: 22-0474

Agenda Date: 4/18/2022

Item No.: 4.3.

COMMITTEE AGENDA MEMORANDUM **Capital Improvement Program Committee**

SUBJECT:

Receive update on the 10-Year Pipeline Inspection and Rehabilitation Project, Project No. 95084002.

RECOMMENDATION:

Receive update on the 10-Year Pipeline Inspection and Rehabilitation Project, Project No. 95084002.

SUMMARY:

Project Background & Objectives

The Santa Clara Valley Water District (Valley Water) conducts routine maintenance on several different water conveyance pipeline systems. The maintenance activities have been conducted on a case by-case basis prior to the inception of the Pipeline Maintenance Program (PMP) which was established in 2007. The PMP identifies the range of maintenance activities and provides protocols and procedures for carrying out these activities, including pipeline inspection, repair, and preventative and corrective maintenance. The PMP identifies the maintenance process, the activities, and defines several measures and practices to protect the environment.

The 10-Year Pipeline Inspection and Rehabilitation Project (Project) established a 10-year program for implementation of the activities listed in the PMP. The Project is included in the Draft Five-Year 2023-27 Capital Improvement Program. The current estimated total Project cost with inflation is \$140.1 million. The Project is funded by the Water Utility Enterprise Fund.

The Project includes the following activities:

1. Perform dewatering and internal inspections of Valley Water's pipelines and tunnels;
2. Renew distressed pipe sections as required. Renewal encompasses the actions of repair, rehabilitation, and replacement;
3. Perform condition assessment, maintenance, repair, coating, and other maintenance activities;
4. Replace line valves, flow meters, pipeline appurtenance assemblies, and piping as required

during inspections and assessments;

5. Improve system performance by installing cathodic protection systems, acoustic fiber optic monitoring of prestressed concrete cylinder pipe, and transient pressure monitoring systems; and
6. Update Valley Water's Pipeline Maintenance Program and its associated Programmatic Environmental Impact Report for future inspection and rehabilitation efforts to Valley Water's pipeline system.

Key Upcoming Milestone Dates:

Current Planned Fiscal Year (FY) 2022 Milestones

1. Adopt Construction Plans and Specifications and Advertise Contract for Santa Clara Conduit Rehabilitation and Pacheco Sectionalizing Valve Replacement Project - Phase 1, April 26, 2022
2. Adopt Construction Plans and Specifications and Advertise Contract for Almaden Valley Pipeline Inspection and Rehabilitation Project, April 26, 2022
3. Award Construction Contract for Santa Clara Conduit Rehabilitation and Pacheco Sectionalizing Valve Replacement Project - Phase 1, June 14, 2022
4. Award Construction Contract for Almaden Valley Pipeline Inspection and Rehabilitation Project, June 28, 2022

Planned FY 2023 Milestones

Santa Clara Conduit

1. Phase 1 Pipeline Shutdown Begins, November 2022
2. Phase 1 Pipeline Shutdown Ends, January 2023
3. Phase 2 Advertise Construction Contract, February 2023
4. Phase 2 Award Construction Contract, April 2023
5. Phase 2 Construction Begins, April 2023

Almaden Valley Pipeline

1. Construction Begins, July 2022
2. Pipeline Shutdown Begins, November 2022
3. Pipeline Shutdown Ends, January 2023
4. Construction Ends, April 2023
5. Close-Out, June 2023

Snell Pipeline

1. 90% Design, July 2022
2. Final Design, March 2023
3. Advertise Construction Contract, March 2023
4. Award Construction Contract, May 2023
5. Construction Begin, June 2023

West Pipeline

1. Phase 1 Final Design, December 2022
2. Phase 2 60% Design, January 2023
3. Phase 2 90% Design, May 2023

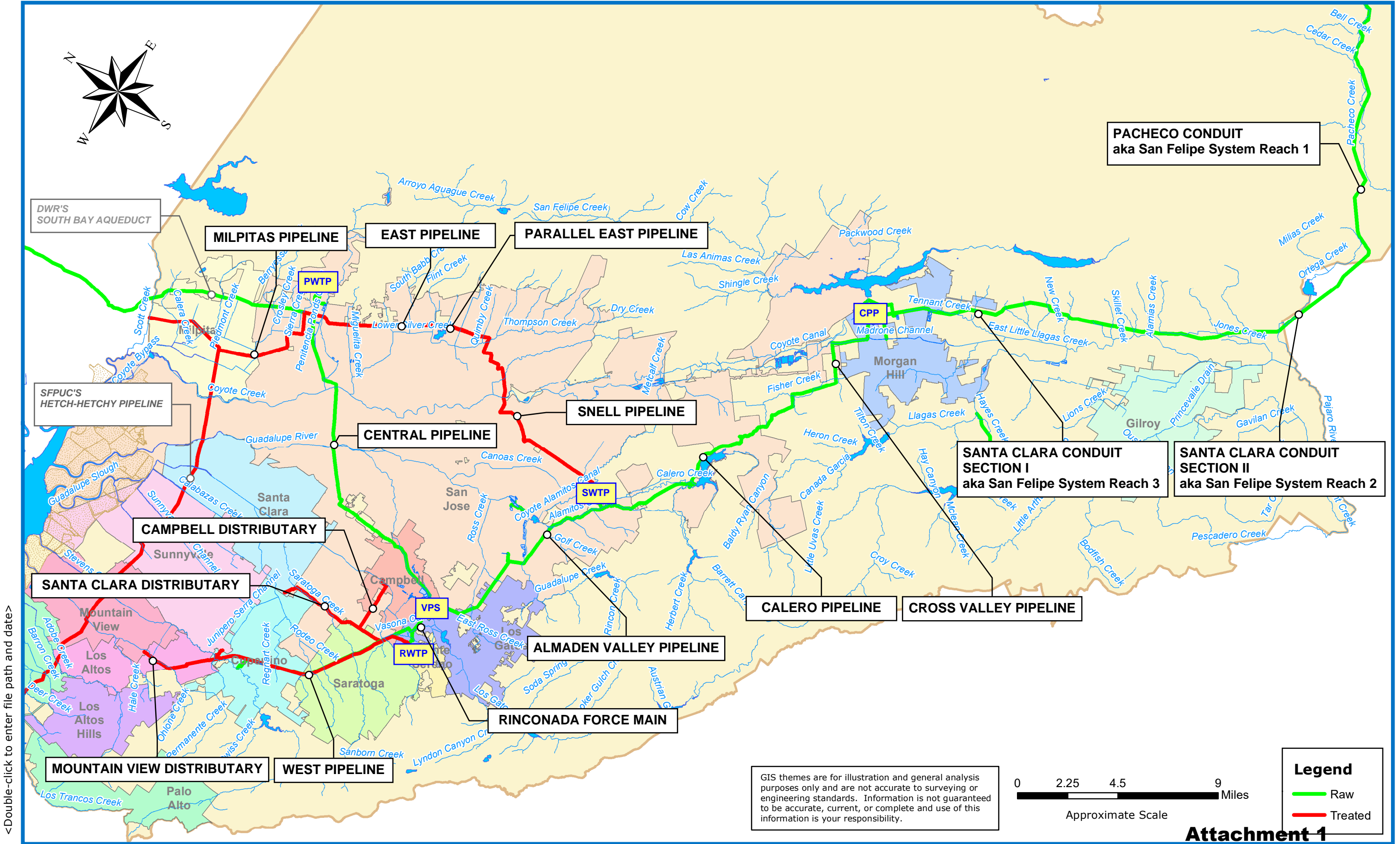
ATTACHMENTS:

Attachment 1: Map
Attachment 2: PowerPoint

UNCLASSIFIED MANAGER:

Emmanuel Aryee, 408-630-3074

Santa Clara Valley Water District Raw Water and Treated Water Pipeline System

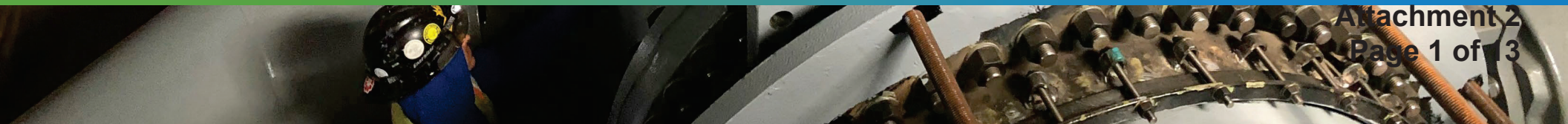


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10-Year Pipeline Inspection and Rehabilitation Project

Presented by: Rolando Bueno, P.E. & Calvin Nguyen, P.E.



Attachment 2
Page 1 of 13

Agenda

- History & Origin
- Scope
- Past & Current Projects
- Accomplishments
- What's Next?



2

valleywater.org

Pipeline System History

Constructed in:

1960s

RWTP

West Pipeline

Central Pipeline

Almaden Valley Pipeline

1970s

PWTP

East Pipeline

1980s

STWTP

Snell Pipeline

Almaden Valley Pipeline

Cross Valley Pipeline

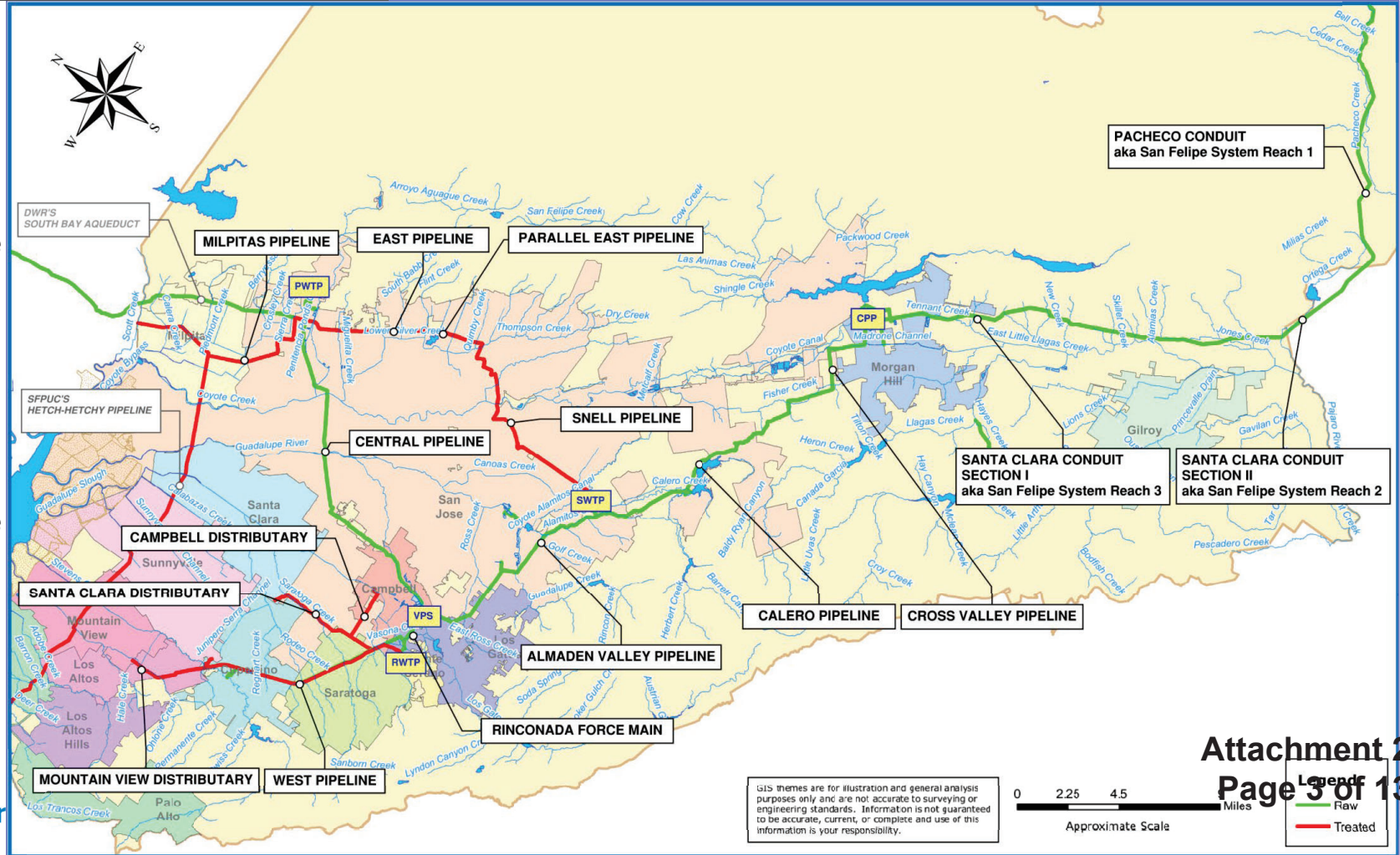
San Felipe System

Calero Pipeline

1990s

Parallel East Pipeline

Milpitas Pipeline



Attachment 2
Page 3 of 13

10-Year Pipeline Inspection & Rehabilitation Project

As part of the Pipeline Maintenance Program (PMP)

General Project Description:

Comprehensive inspection and rehabilitation effort for all of Valley Water's existing pipelines

Key Issue the PMP Resolves

Streamlining project delivery for maintenance and repair activities

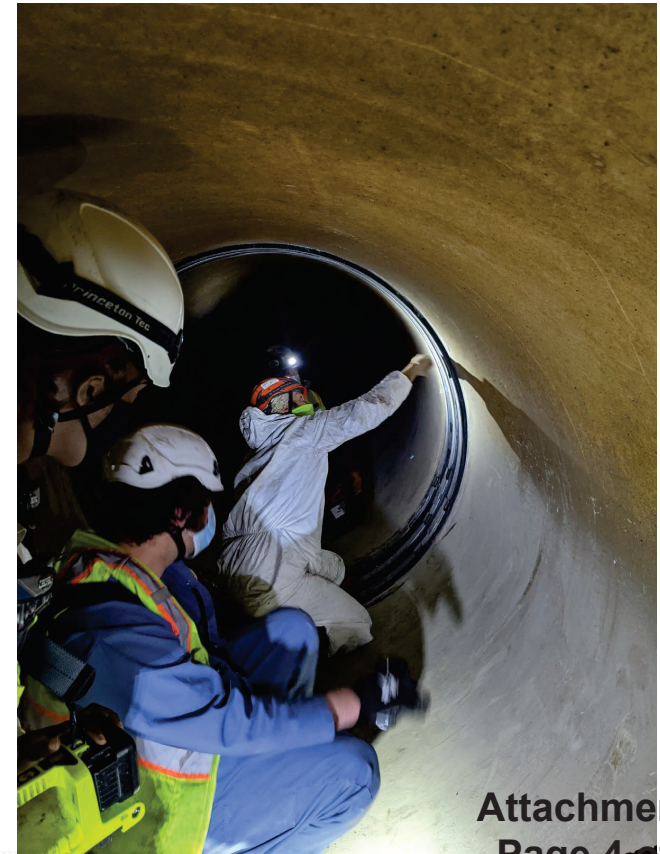
Key Dates

Certification of Final Programmatic Environmental Impact Report ----- Nov 2007

Adopted Resolution approving Engineer's Report and the PMP----- April 2010

5-Year Pipeline Inspection and Rehabilitation Project ----- FY2013 to FY2017

10-Year Pipeline Inspection and Rehabilitation Project ----- FY2018 to FY2027



Attachment 2
Page 4 of 13

10-Year Pipeline Inspection & Rehabilitation Project

As part of the Pipeline Maintenance Program

General Scope

- Operations Logistics (Lockout Tagout, Shutdown Planning, Dewatering, Refill)
- Electromagnetic and Visual Inspections
- Internal Pipeline Repairs
- Acoustic Fiber Optic (AFO) Monitoring System Installation for Prestressed Concrete Cylinder Pipe (PCCP)
- Appurtenance Rehabilitation and Replacement
- Maintenance Upgrades and Repairs (e.g. manholes, hatches, ladders, electrical, instrumentation, corrosion)



Attachment 2
Page 5 of 13

Past Projects

Prior to the 10-Year Pipeline Inspection and Rehabilitation Project

Project/Pipeline	Notice of Completion	Contract Amount
West Pipeline	June 2010	\$785K
East Pipeline	August 2010	\$474K
East Pipeline	February 2011	\$349K
Santa Clara Conduit Reach 3	July 2011	\$245K
East Pipeline	June 2012	\$522K
5-Year Pipeline Inspection and Rehabilitation Project (95084001)		
Santa Clara, Campbell and Mountain View Distributaries	May 2013	\$1.2M
Stevens Creek Pipeline	May 2014	\$912K
Milpitas Pipeline	May 2015	\$1.8M
Snell Pipeline	October 2016	\$2.6M

Past Projects & Current Projects

As part of the 10-Year Pipeline Inspection and Rehabilitation Project

10-Year Pipeline Inspection and Rehabilitation Project (95084002)

Project/Pipeline	Notice of Completion	Contract Amount
Almaden Valley Pipeline (Emergency)	August 2018	\$9.3M
Pacheco Conduit	November 2018	\$3.1M
Sole Source Agreement with Pure (Xylem) for EM & AFO	January 2019	\$13.9M
Almaden Valley Pipeline + Emergency	April 2019	\$3.3M
Cross Valley and Calero Pipelines	January 2021	\$9M
Central and Parallel East Pipelines	In Construction	\$9.1M
Santa Clara Conduit (Phase 1) & PSV	In Design (Final)	\$8M
Santa Clara Conduit (Phase 2)	In Design (Final)	\$5.4M
Almaden Valley Pipeline (Inspection, CFRP and Line Valve)	In Design (100%)	\$7.2M
Snell Pipeline ^{SCW}	In Design (60%)	\$7.4M
West Pipeline (Phase 1 & Phase 2) ^{SCW}	In Design (30%)	\$12.4M

Total Project Cost Summary

10-Year Pipeline Inspection and Rehabilitation Project

8

Phase	Project Plan Costs
Planning	\$617
Environmental	\$1,753
Design + ROW	\$19,565
Construction	\$96,750
OE and Task 0000 Charges	\$17,537
Close-Out	\$514
Total	\$136,736

Accomplishments

- Inspected Raw Water Pipeline
- Installed Acoustic Fiber Optic Monitoring System on PCCP
- Maintenance on vaults for safety and code updates
- Line Valve Replacements
- Upsized and Replaced failed valve at Cochrane Line Valve
- Identified issues with system to be addressed in the long-term (e.g. Central Pipeline Relining and Almaden Valley Pipeline Replacement)



Attachment 2
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What's Next?

- Construction for
 - Santa Clara Conduit (Phase 1 and 2)
 - Almaden Valley Pipeline
 - Snell Pipeline
 - West Pipeline (Phase 1 and 2)
- PMP & PEIR Update
- New Program



Attachment 2
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Shoutout to Valley Water Team

Attachment 2
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Valley Water

Clean Water • Healthy Environment • Flood Protection

Attachment 2
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QUESTIONS



Attachment 2
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Santa Clara Valley Water District

File No.: 22-0471

Agenda Date: 4/18/2022

Item No.: 4.4.

COMMITTEE AGENDA MEMORANDUM

Capital Improvement Program Committee

SUBJECT:

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

RECOMMENDATION:

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

SUMMARY:

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

Project Background

Santa Clara Valley Water District (Valley Water) is undertaking the Anderson Dam Federal Energy Regulatory Commission Order Compliance Project (FOCP) as a result of the February 20, 2020 directive from the Federal Energy Regulatory Commission (FERC) to implement interim risk reduction measures at Anderson Dam. One of those measures is the Anderson Dam Tunnel Project (ADTP).

On April 27, 2021, Valley Water's Board of Directors awarded the construction contract for the Anderson Dam Tunnel Project (ADTP) to the top ranked best value proposer, Flatiron West, Inc., in the sum of \$161,140,321 and approved a contingency amount of \$40,000,000 (25% of the contract price). The Board directed staff to discuss delegating authority for contingency expenditures with the CIP Committee.

By unanimous roll call vote at its May 17, 2021, meeting, the Committee approved recommending to the full Board that it consider delegating authority to staff to approve change orders for the Anderson Dam Tunnel Project at the amounts stated below and that the CIP Committee receive regular monthly reports with information regarding approved change orders, pending change orders, and the cumulative amounts. Valley Water's Board of Directors accepted the CIP Committee recommendations at its regular meeting on May 25, 2021.

Delegated Approval Authority

Unit Manager: Up to \$100,000
Assistant Operating Officer: Up to \$250,000
Deputy Operating Officer Up to \$500,000
Assistant Chief Executive Officer: Up to \$2.5 million
Chief Operating Officer: Up to \$5 million
Board of Directors: \$5 million and above

Construction Contract Change Orders Status

There is one pending change order, which was analyzed and reviewed by staff, related to design changes that were made following award of contract. These design changes affect the dimensions of the high-level outlet shaft and are needed in response to comments from the California Department of Water Resources' Division of Safety of Dams (DSOD) and FERC, as well to address constructability review comments by construction management consultant COWI, Inc. The change order is valued at \$3,783,119.15.

This change order reimburses the contractor for all the work associated with the change in the high-level outlet works (HLOW) shaft diameter from 19 to 23 feet. This change in shaft diameter resulted in the need for additional excavation, design for the initial supports of the shaft, labor and materials, reinforcement steel, and welding. In addition, the increased volume of concrete now qualifies it as "mass concrete," resulting in additional cooling application requirements as stated in the Project specifications.

The change to the diameter of the HLOW shaft increased the cost of the bid item by approximately 37 percent.

Following discussion by the CIP Committee, staff intends to recommend Chief Executive Officer approval of this change order.

ATTACHMENTS:

Attachment 1: Construction Contract Change Orders Status

UNCLASSIFIED MANAGER:

Christopher Hakes, 408-630-3796

**Anderson Dam Tunnel Project
Construction Contract Change Order Status**

Change Order Number	Date	Description	Amount	Contingency Amount	Approval Level
N/A	4/27/2021	Original Contract	\$161,140,321	\$40,000,000	Board
1	12/16/2021	Additional Tree Removal, Protection and Relocation	\$460,250.41		DOO

Remaining Contingency \$39,539,750

Pending Change Order	Description	Claim Amount
1	Outlet Works Vertical Shaft Re-sizing	\$3,783,119.15
Number of Change Orders Approved Previously	Number Of Change Orders Approved Current Month	Total Number Of Change Orders Executed To Date
1	0	1

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Santa Clara Valley Water District

File No.: 22-0473

Agenda Date: 4/18/2022

Item No.: 4.5.

COMMITTEE AGENDA MEMORANDUM

Capital Improvement Program Committee

SUBJECT:

Review 2022 Capital Improvement Committee Work Plan.

RECOMMENDATION:

Review the 2022 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 2022.

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: 2022 CIP Committee Work Plan

UNCLASSIFIED MANAGER:

Candice Kwok-Smith, 408-630-3193

CIP Committee 2022 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												
Feasibility/Planning	X			X			X			X		
Design/Permitting	X	X			X			X			X	
Construction	X		X			X			X			X
CIP Implementation												
Lower Berryessa Creek Phase 2 Project Update		X										
Dam Safety Program Overview and Updates			X									
Purified Water Program Update			X									
Updates 10-Year Pipeline Program Overview and Updates				X								
ERP System Implementation Overview and Updates					X							
Consultant Agreement Compliance Process						X						
Capital Projects not in Monitoring							X					
CIP Development												
CIP Planning Process												
• Annual CIP Process and Integrated Financial Planning Schedule and Review of Initially Validated and unfunded Projects										X		
• Review Significant Project Plan Updates											X	
Preliminary CIP Review												X
Standing Items												
Anderson Dam Tunnel Project Contingency and Change Order Monitoring	X	X	X	X	X	X	X	X	X	X	X	X
Upcoming Consultant Agreement Amendments	X	X	X	X	X	X	X	X	X	X	X	X
Workplan	X	X	X	X	X	X	X	X	X	X	X	X
Minutes	X	X	X	X	X	X	X	X	X	X	X	X
Annual Election of Committee Officer		X										

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