

August 10, 2018

NOTICE OF MEETING AND REQUEST FOR RSVPS Members

of the Capital Improvement Program (CIP) Committee

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

And Supporting Staff Members

Norma Camacho, Chief Executive Officer
Leslie Orta, Senior Assistant District Counsel
Rick Callender, Chief of External Affairs
Tina Yoke, Acting Chief Operating Officer – Administrative Services
Melanie Richardson, Chief Operating Officer - Watersheds
Nina Hawk, Chief Operating Officer – Water Utility
Darin Taylor, Chief Financial Officer
Katherine Oven, Deputy Operating Officer
Vincent Gin, Deputy Operating Officer
Garth Hall, Deputy Administrative Officer
Ngoc Nguyen, Interim Deputy Operating Officer
Sudhanshu Tikekar, Deputy Administrative Officer
Christopher Hakes, Assistant Officer
Charlene Sun, Budget Manager
Beth Redmond, Capital Program Planning and Analysis Unit Manager

The next meeting of the Santa Clara Valley Water District Capital Improvement Program Committee, is scheduled to be held at **10:00 a.m., on Monday August 10, 2018**, in the District Headquarters Building, Conference Room A-124, 5700 Almaden Expressway, San Jose, California.

Enclosed for your convenience, please find a copy of the **agenda** and corresponding materials.

Additional materials for this meeting will be distributed and made available to the public at or prior to the meeting, in compliance with the Brown Act.

Please RSVP at your earliest convenience to confirm your attendance by calling 408-630-2659, or via email to ndominguez@valleywater.org.

Regards,

Natalie F. Dominguez

Natalie F. Dominguez, CMC
Board Administrative Assistant II
Santa Clara Valley Water District
Office of Clerk of the Board

Enclosures

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Santa Clara Valley Water District Capital Improvement Program Committee Meeting

District Headquarters, Conference Room A-124
5700 Almaden Expressway, San Jose, CA 95118

REGULAR MEETING AGENDA

**Monday, August 13, 2018
10:00 AM**

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

CAPITAL IMPROVEMENT PROGRAM
COMMITTEE

Nai Hsueh, Chair, District 5
Linda J. LeZotte, Vice Chair, District 4
Tohy 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
ndominguez@valleywater.org

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

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

**REGULAR MEETING
AGENDA**

Monday, August 13, 2018

10:00 AM

District Headquarters, Conference Room A-124
5700 Almaden Expressway, San Jose, CA 95118

1. CALL TO ORDER:

1.1. Roll Call.

1.2. Time Open for Public Comment on any Item not on the Agenda.

Notice to the public: This item is reserved for persons desiring to address the Committee on any matter not on this agenda. Members of the public who wish to address the Committee on any item not listed on the agenda should complete a Speaker Card and present it to the Committee Clerk. The Committee Chair will call individuals in turn. Speakers comments should be limited to three minutes or as set by the Chair. The law does not permit Committee action on, or extended discussion of, any item not on the agenda except under special circumstances. If Committee action is requested, the matter may be placed on a future agenda. All comments that require a response will be referred to staff for a reply in writing. The Committee may take action on any item of business appearing on the posted agenda.

Handout 1.2-A: Public Comment, D. Muirhead

2. APPROVAL OF MINUTES:

2.1. Approval of July 9, 2018 Meeting Minutes.

[18-0555](#)

Recommendation: Approve the minutes.

Manager: Michele King, 408-630-2711

Attachments: [Attachment 1: 060918 CIP Committee Minutes](#)

Est. Staff Time: 5 Minutes

3. ACTION ITEMS:

- 3.1. Discuss Environmental Justice Factor in the Prioritization Criteria for Capital Projects. [18-0613](#)
Recommendation: Receive update, discuss and provide direction to staff, as necessary.
Manager: Ngoc Nguyen, 408-630-2632
Attachments: [Attachment 1: Priority Ranking Criteria FY 2019-23 CIP](#)
[Attachment 2: Projects by Priority for FY 2019-23 CIP](#)
[Attachment 3: Census Tract Maps](#)
Est. Staff Time: 10 Minutes
- 3.2. Update on Alternative Revenue Sources for Water Utility and Watershed Projects. [18-0614](#)
Recommendation: Receive information and provide direction to staff.
Manager: Darin Taylor, 408-630-3068
Est. Staff Time: 10 Minutes
- 3.3. Capital Projects Status Updates - Design. [18-0616](#)
Recommendation: Receive and discuss information regarding the status of capital projects in the design phase.
Manager: Katherine Oven, 408-630-3126
Ngoc Nguyen, 408-630-2632
Attachments: [Attachment 1: Capital Project Monitoring Report – Design](#)
[Attachment 2: Update on Dam Seismic Retrofit Projects](#)
[Attachment 3: Timing of Dam Seismic Retrofit Projects](#)
[Attachment 4: Consultant Agreements or Amendments](#)
Est. Staff Time: 20 Minutes
- 3.4. 2018 Capital Improvement Committee Work Plan. [18-0612](#)
Recommendation: A. Review and make necessary revisions to the 2018 Capital Improvement Program (CIP) Committee Work Plan, and
B. Confirm the Committee’s regular meeting schedule for September, October, November and December 2018.
Manager: Michele King, 408-2630-2711
Attachments: [Attachment 1: 2018 CIP Committee Work Plan](#)
Est. Staff Time: 10 Minutes

4. INFORMATION ITEMS:

4.1. Response to Public Comment From D. Muirhead

18-0675

Attachments: Handout 4.1-A: Response to Public Comment From D. Muirhead

5. ADJOURN:

5.1. 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.

5.2. Adjourn to Regular Meeting at 10:00 a.m., on September 10, 2018, in the Santa Clara Valley Water District Headquarters Board Conference Room A-124, 5700 Almaden Expressway, San Jose, California.

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Melissa Stone

From: D. Muirhead <doug.muirhead@stanfordalumni.org>
Sent: Monday, August 06, 2018 11:45 AM
To: Clerk of the Board
Subject: comments Capital Improvement Program Committee Meeting 08/14/17 Item: 4.1

Capital Improvement Program Committee Meeting 08/14/17 Item: 4.1

SUBJECT: Status of Board's Key Projects and Issues Related to
FY 2018-22 Capital Improvement Program (CIP).

With respect to "Monitoring of mitigation commitments for capital projects", I have two observations based on staff comments in the IMC Priority D Subcommittee Meeting Notes for Project D1: Management of Revegetation Projects.

1) For the statement

"There are several capital projects that are under construction ... that will have long-term mitigation and monitoring requirements, once installation of mitigation planting is complete. Those projects are not included in Attachment 1."

It is not clear to me if "mitigation planting is complete" refers to the start or the end of the plant establishment period (3 years) included as part of the Capital Project, but extending beyond the completion of project construction, before mitigation monitoring migrates to the District Vegetation Field Operations.

2) For the statement

"There are a total of 19 active long-term mitigation sites ... [T]wo sites failed due to a variety of factors including ... the presence of plant pathogens (Phytophthora spp.). ... Both sites will require additional years of monitoring, maintenance and reporting to achieve regulatory compliance, and project success."

Staff explained that not all capital projects are required to use clean plants.

Last year there were only 2 nurseries that were willing to follow the BMPs that were created by the Phytophthora working group. The capital projects are required to use a large amount of plants and sometimes the [now] 3-4 nurseries that have adopted the BMPs will not be available to grow the amount of plants that are required.

[The Upper Llagas project will use upwards of 70,000 plants. As of FY23, maintenance of the Upper Llagas Creek project will add an additional 70 acres of riparian mitigation.]

Thank you for your consideration, Doug Muirhead, Morgan Hill

Supplemental Staff Response:

Per the District's QEIMS procedures, at the completion of project construction, staff prepare a Close-Out checklist. The following are conducted at the final close-out phase:

1. Conduct Lessons Learned meeting with design, construction, environmental planner and O&M staff.
2. Meet with the Project Owner (Capital or Watershed deputy) to review lessons learned and conduct Customer Satisfaction Survey.
3. Deliver signed As-Built drawings to Records Management 4. Prepare Construction-to-Operation Transition Report to transfer project knowledge to Operations & Maintenance staff for conducting routine maintenance per O&M Manual for the project.

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File No.: 18-0555

Agenda Date: 8/13/2018

Item No.: 2.1.

COMMITTEE AGENDA MEMORANDUM

Capital Improvement Program Committee

SUBJECT:

Approval of July 9, 2018 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: 060918 CIP Committee Minutes

UNCLASSIFIED MANAGER:

Michele King, 408-630-2711

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CAPITAL IMPROVEMENT PROGRAM COMMITTEE

MINUTES

**MONDAY JULY 9, 2018
10:00 AM**

(Paragraph numbers coincide with agenda item numbers)

A regular meeting of the Santa Clara Valley Water District Capital Improvement Program Committee (Committee) was called to order in the District Headquarters Building, Conference Room A-124, 5700 Almaden Expressway, San Jose, California, at 10:00 a.m.

1. CALL TO ORDER:

1.1. Roll Call.

Committee members in attendance were District 4 Director L. LeZotte and District 5 Director N. Hsueh, Chairperson presiding, constituting a quorum of the Committee.

District 6 Director T. Estremera was excused from attending.

Staff members in attendance were E. Aryee, J. Collins, M. Cook, C. Hakes, S. Hosseini, M. Meredith, N. Nguyen, L. Orta, K. Oven, L. Rossiter, A. Rouhani, D. Taylor, S. Yamamoto, and T. Yoke.

1.2. Time Open for Public Comment on Any Item Not on the Agenda

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

2. APPROVAL OF MINUTES:

2.1 Approval of April 25, 2018, Minutes.

Recommendation: Approve the minutes.

It was moved by Director LeZotte, seconded by Chairperson Hsueh, and carried that the minutes be approved as presented. Director Estremera was absent.

2.2 Approval of May 14, 2018, Minutes.

Recommendation: Approve the minutes.

Mr. Darin Taylor, Chief Financial Officer, confirmed that staff would come back during the August 13, 2018, Committee meeting with the information requested by the Committee in the May 14, 2018, Minutes, Page 2, Item 3.2, Bullets 1 through 3.

It was moved by Director LeZotte, seconded by Chairperson Hsueh, and carried that the minutes be approved as presented. Director Estremera was absent.

Chairperson Hsueh moved the agenda to Item 3.3.

3. ACTION ITEMS:

3.3 2018 Capital Improvement Program Committee Work Plan.

Recommendation: Review and make necessary revisions to the 2018 Capital Improvement Program Committee Work Plan, and confirm the Committee's regular meeting schedule for 2018.

Chairperson Hsueh advised the Committee that Board Chairperson Santos had recently assigned herself and Directors Keegan and LeZotte to a workgroup to review the District Act for alternative financing for Water Utility Enterprise (WUE) projects. She discussed the opportunity this created for duplicate efforts between the workgroup and the Capital Improvement Program (CIP) Committee.

Mr. Stan Yamamoto, District Counsel, confirmed that the Brown Act limited the ability of committees to have overlapping efforts.

Chairperson Hsueh confirmed that Chairperson Santos had expressed support for keeping alternative financing for WUE projects within the CIP Committee Work Plan, and disbanding the workgroup.

The Committee made the following requests:

- Mr. Yamamoto is to advise Director Keegan that alternative financing for WUE projects would remain on the CIP Committee Work Plan, and that the workgroup would be disbanded;
- Staff is to come back during the August 13, 2018, CIP Committee discussion on alternative financing for WUE projects with information responding to discussion from the June 13, 2018, workgroup meeting;
- Staff is to revise the CIP Committee Work Plan, CIP Implementation Section, Lines 2 and 7, to remove the duplicate listing of *South County Recycled Water* and *South County Recycled Water Pipeline*; and
- Staff is to revise the CIP Committee Work Plan, CIP Implementation Section, Line 5, to read *Alternative Financing WUE Projects* (~~Special Tax~~).

Chairperson Hsueh returned the agenda to Item 3.1. Discussion on Item 3.3 resumed as noted below.

3.1 Priority Ranking Criteria for Water Resources Stewardship Projects.

Recommendation: Review, discuss, and provide input regarding the Capital Improvement Program Priority ranking criteria for Water Resources Stewardship Projects.

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

The Committee made the following requests:

- Staff is to revise Attachment 2, Column 4 Heading, to read ***Remaining Cost Funding Needed (\$K [FY 19 to Completion])***;
- Staff is to come back during the September 10, 2018, Committee meeting with a list of non-specific Safe, Clean Water (SCW) Environmental Stewardship commitments, and discussion on what process and timelines the Board of Directors will follow to identify, prioritize, and select environmental stewardship projects to meet SCW commitments; and
- After the above discussion, the Committee will work on modification to the current CIP priority ranking criteria for Water Resources Stewardship Projects, as needed.

3.2 Capital Projects Status Update—Construction.

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

Ms. Katherine Oven, Deputy Operating Officer, Mr. Nguyen, Mr. Saied Hosseini, Capital Engineering Manager, and Mr. Michael Cook, Information Technology Manager, reviewed the information on this item, per the attached Committee Agenda Memo, and per the information contained in Attachment 1.

Ms. Oven, Mr. Nguyen, and Mr. Cook respectively provided additional information on the Upper Llagas Creek Flood Protection Project, the Matadero Creek Sediment Removal and Erosion Repair and San Tomas Aquino Creek Erosion Repair Projects, and the Geographic Information Systems (GIS) Enterprise and Managed Cloud Services Agreements.

Mr. Nguyen distributed the attached Bid Results for the aforementioned Matadero and San Tomas Aquino Creek Projects, identified as Handout 3.2-A herein. Copies of the Handout were distributed to the Committee and made available to the public.

The Committee made the following requests:

- Staff is to bring discussion on the Rinconada Water Treatment Plant Reliability Improvement Project to the full Board of Directors, at the soonest Open or Closed Session opportunity;

- Staff is to provide a verbal report on the Permanente Creek Project to the full Board of Directors during the July 10, 2018, Board meeting, and follow up with a status report to the full Board at the next available Board meeting; and
- Staff is to go back to the full Board of Directors with information responding to previous concerns and requests expressed by Director Kremen, and a recommended action on the GIS Enterprise and Managed Cloud Services Agreements.

The Committee resumed consideration of Item 3.3.

3.3 2018 Capital Improvement Program Committee Work Plan.

Recommendation: Review and make necessary revisions to the 2018 Capital Improvement Program Committee Work Plan, and confirm the Committee's regular meeting schedule for 2018.

Chairperson Hsueh confirmed that the next two regular Committee meetings would be held at 10:00 a.m. on August 13 and September 10, 2018, and requested that a presentation on the Pacheco Reservoir Expansion Project be provided during the August 13, 2018, meeting.

4. INFORMATIONAL ITEMS:

None.

5. ADJOURN:

5.1 Clerk Review and Clarification of Board Requests.

Ms. Michelle Meredith, Deputy Clerk of the Board, read the new Committee Recommendations and Requests into the record, as follows:

In regards to Item 3.1:

- Staff is to revise Attachment 2, Column 4 Heading, to read ***Remaining Cost Funding Needed (\$K [FY 19 to Completion])***;
- Staff is to come back during the September 10, 2018, Committee meeting with a list of non-specific Safe, Clean Water (SCW) Environmental Stewardship commitments, and discussion on what process and timelines the Board of Directors will follow to identify, prioritize, and select environmental stewardship projects to meet SCW commitments; and
- After the above discussion, the Committee will work on modification to the current CIP priority ranking criteria for Water Resources Stewardship Projects, as needed.

In regards to Item 3.2:

- Staff is to bring discussion on the Rinconada Water Treatment Plant Reliability Improvement Project to the full Board of Directors, at the soonest Open or Closed Session opportunity;
- Staff is to provide a verbal report on the Permanente Creek Project to the full Board of Directors during the July 10, 2018, Board meeting, and follow up with a status report to the full Board at the next available Board meeting; and
- Staff is to go back to the full Board of Directors with information responding to previous concerns and requests expressed by Director Kremen, and a recommended action on the GIS Enterprise and Managed Cloud Services Agreements.

In regards to Item 3.3:

- Mr. Yamamoto is to advise Director Keegan that alternative financing for WUE projects would remain on the CIP Committee Work Plan, and that the workgroup would be disbanded;
- Staff is to come back during the August 13, 2018, CIP Committee discussion on alternative financing for WUE projects with information responding to discussion from the June 13, 2018, workgroup meeting;
- Staff is to revise the CIP Committee Work Plan, CIP Implementation Section, Lines 2 and 7, to remove the duplicate listing of *South County Recycled Water* and *South County Recycled Water Pipeline*;
- Staff is to revise the CIP Committee Work Plan, CIP Implementation Section, Line 5, to read *Alternative Financing WUE Projects*; and
- Staff is to come back with a presentation on the Pacheco Reservoir Expansion Project be provided during the August 13, 2018, meeting.

5.2 Adjourn to Regular Meeting at 10:00 a.m. on Monday August 13, 2018, in the District Headquarters Building, Conference Room A-124, 5700 Almaden Expressway, San Jose, California.

5.3 Chairperson Hsueh adjourned the meeting at 12:05 p.m., to the 10:00 a.m., August 13, 2018, meeting, in the District Headquarters Building, Conference Room A-124, 5700 Almaden Expressway, San Jose, California.

Michelle Meredith
Deputy Clerk of the Board

Approved:

Date: August 13, 2018

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File No.: 18-0613

Agenda Date: 8/13/2018
Item No.: 3.1.

COMMITTEE AGENDA MEMORANDUM

Capital Improvement Program Committee

SUBJECT:

Discuss Environmental Justice Factor in the Prioritization Criteria for Capital Projects.

RECOMMENDATION:

Receive update, discuss and provide direction to staff, as necessary.

SUMMARY:

At the February 27, 2018 Board meeting, the Board approved adding a new Executive Limitation on the implementation of Environmental Justice: "The Board-Appointed Officers (BAO) shall promote practices, principles, and programs that support Environmental Justice for Disadvantaged Communities, and shall consider Environmental Justice objectives where appropriate and possible."

The Capital Improvement Program Committee (Committee) has requested information on how Environmental Justice is factored into the prioritization criteria for capital projects. In response to the Board's direction, Environmental Justice was introduced into the prioritization criteria in the FY 2018-22 Capital Improvement Program (CIP) cycle. Attachment 1 is a copy of the CIP Priority Ranking Criteria for flood protection projects and for water resources stewardship projects per the recently-approved FY 2019-23 CIP, which was discussed with the CIP committee at its meeting on December 12, 2017. If a project is located in or provides benefits to a disadvantaged community, that project receives points for the Environmental Justice Criterion in the Community Engagement Category.

Attachment 2 is a list of flood protection and water resources stewardship projects by priority. Column 1 shows a "Yes" or "No" to indicate if the project received points for the Environmental Justice Criterion.

Attachment 3 is a set of two maps depicting Economically Disadvantaged Communities by Census Tract. The first of the two maps produced by the San Francisco Bay Restoration Authority (Restoration Authority), is based on objective criteria published by the United States Census Bureau. The second map is an enlarged view of Santa Clara County. The Restoration Authority produced the map to assist grant applicants in determining whether their project is in an economically disadvantaged community area. The California Department of Housing & Community Development considers an economically disadvantaged community a community with a median household income less than 80% of the area median income. The District will use this map to identify projects that will receive points under the Environmental Justice Criterion.

ATTACHMENTS:

Attachment 1: Priority Ranking Criteria FY 2019-23 CIP

Attachment 2: Projects by Priority for FY 2019-23 CIP

Attachment 3: Census Tract Maps

UNCLASSIFIED MANAGER:

Ngoc Nguyen, 408-630-2632

Priority Criteria for FY 2019-23 CIP

FLOOD PROTECTION PROJECTS Priority Ranking Criteria

NORMALIZED PRIORITY SCORE = 0

RAW SCORE = 0

Project Name Here

PRIMARY OBJECTIVE (60%)	<p>Flood Protection (E 3)</p> <p><input type="checkbox"/> I <input type="checkbox"/> P</p> <p><input type="checkbox"/> Project restores existing watershed infrastructure to its intended level of flood protection. I = Impact on home, school, or business parcels (H = 1000+, M = 200 to 1000 , L = <200); P = Probability based on frequency of flooding (H = every 10 yrs, M = every 25 yrs, L = every 50+ yrs)</p> <p><input type="checkbox"/> Project is a Board or USACE priority, improves watershed infrastructure to achieve the committed level of flood protection, or provides flood protection beyond the level of commitment. (H, M, L)</p> <p><input type="checkbox"/> Timing of when the flood protection benefit will be realized by the community. I = Immediate (0-3 years); S = Short-term (3-5 years); L - Long-term (more than 5 years)</p>	0
COMMUNITY ENGAGEMENT (10%)	<p>Positive Interaction (E 4) - Check all that apply</p> <p><input type="checkbox"/> With the Community <input type="checkbox"/> With other agencies</p> <p><input type="checkbox"/> Environmental Justice</p> <p>Good Neighbor (E 4) - Check all that apply</p> <p><input type="checkbox"/> Graffiti removal or Prevention Features <input type="checkbox"/> Improves aesthetics of project location</p> <p><input type="checkbox"/> Trash removal features (vortex weirs)</p>	0
ENVIRONMENTAL SUSTAINABILITY (15%)	<p>Ecological Function (E 3.1, 4.1)</p> <p><input type="checkbox"/> Project incorporates at least one of the following: removal of fish barrier; structural improvements to fish habitat; inclusion of riparian habitat (planting, setback or protect in place); inclusion of SRA plantings and/or features designed to improve water temperature; improvements to facilitate habitat connectivity, upland habitat and/or wetland habitat protection or preservation; or reduction of hardscape elements.</p> <p>Physical Function (E 3.2)</p> <p><input type="checkbox"/> Project incorporates at least one of the following: a holistic watershed approach; energy efficiency; geomorphic design elements; erosion control (sediment source reduction); floodplain connectivity; or protection from sea level rise.</p> <p>Water Quality and Supply (E 3.2)</p> <p><input type="checkbox"/> Project incorporates TMDL improvements or provides opportunity for recharge</p> <p>Trails & Open Space (E4.2, E4.3) - Check all that apply</p> <p><input type="checkbox"/> Project incorporates trail friendly features, provides protection or preservation of open space, or provides/improves Bicycle Commute Route</p>	0
COST RECOVERY (15%)	<p>Funding Available from Other Agencies - Put an "X" in the % column based on the percentage eligible for cost sharing; Put an "H", "M", or "L" in the C column based on the level of confidence</p> <p><input type="checkbox"/> % <input type="checkbox"/> C 50% or more of project costs available from other agencies % = Percentage of cost provided; C = Confidence Level (H, M, L)</p> <p><input type="checkbox"/> % <input type="checkbox"/> C 26% to 49% of project costs available from other agencies % = Percentage of cost provided; C = Confidence Level (H, M, L)</p> <p><input type="checkbox"/> % <input type="checkbox"/> C Up to 25% of project costs available from other agencies % = Percentage of cost provided; C = Confidence Level (H, M, L)</p>	0

ATTACHMENT 1

Page 1 of 2

WATER RESOURCES STEWARDSHIP PROJECTS

Stewardship Priority Ranking Criteria

NORMALIZED PRIORITY SCORE = 0

RAW SCORE = 0

Project Name _____

PRIMARY OBJECTIVE (55%)	<p>Stewardship Projects</p> <p>A <input type="checkbox"/> Project creates Stewardship features to achieve stewardship commitments. (H, M, L)</p> <p>B <input type="checkbox"/> Stewardship activities beyond the current commitment. (H, M, L)</p>	0
COMMUNITY ENGAGEMENT (15%)	<p>Positive Interaction (E 4) - Check all that apply</p> <p><input type="checkbox"/> With the Community <input type="checkbox"/> With other agencies</p> <p><input type="checkbox"/> Environmental Justice</p> <p>Good Neighbor (E 4) - Check all that apply</p> <p><input type="checkbox"/> Graffiti removal or Prevention Features</p> <p><input type="checkbox"/> Trash removal features (vortex weirs)</p> <p><input type="checkbox"/> Improves aesthetics of project location</p> <p><input type="checkbox"/> Promotes water conservation</p> <p>Education Element</p> <p><input type="checkbox"/> Promotes stream stewardship</p> <p><input type="checkbox"/> Promotes flood protection</p> <p><input type="checkbox"/> Promotes Bay protection</p>	0
ENVIRONMENTAL SUSTAINABILITY (15%)	<p>Ecological Function (E 3.2) - Check all that apply</p> <p><input type="checkbox"/> Fish Barrier Removal / Structural or nonstructural improvement to fish habitat <input type="checkbox"/> Upland Habitat Protection/Preservation</p> <p><input type="checkbox"/> Riparian Habitat (planting, setback or protect in place) <input type="checkbox"/> Wetland Habitat Protection/Preservation</p> <p><input type="checkbox"/> SRA Plantings or Improved water temperature <input type="checkbox"/> Hardscape Reduction</p> <p>Physical Stream Function (E 3.2) - Check all that apply</p> <p><input type="checkbox"/> Holistic Watershed Approach <input type="checkbox"/> Erosion Control or Sediment Source Reduction</p> <p><input type="checkbox"/> Geomorphologic Design Elements</p> <p>Water Quality (E 3.2) - Check all that apply</p> <p><input type="checkbox"/> Storm Water Treatment (pervious pavement, green roofs, etc.) <input type="checkbox"/> Hazardous Material Removal (Asbestos, Lead, Hydrocarbons, etc.)</p> <p><input type="checkbox"/> TMDL Improvements</p> <p>Trails & Open Space (E3.3) - Check all that apply</p> <p><input type="checkbox"/> Trail friendly features <input type="checkbox"/> Open Space Protection / Preservation</p> <p><input type="checkbox"/> Provides/Improves Bicycle Commute Route <input type="checkbox"/> Climate change elements</p>	0
COST RECOVERY (15%)	<p>Funding Available from Other Agencies - Check One</p> <p><input type="checkbox"/> <input type="checkbox"/> Over 50% of project costs available from other agencies % = Percentage of cost provided; C = Confidence Level (H, M, L)</p> <p><input type="checkbox"/> <input type="checkbox"/> 26% to 50% of project costs available from other agencies % = Percentage of cost provided; C = Confidence Level (H, M, L)</p> <p><input type="checkbox"/> <input type="checkbox"/> Up to 25% of project costs available from other agencies % = Percentage of cost provided; C = Confidence Level (H, M, L)</p>	0

ATTACHMENT 1

Page 2 of 2

Projects by Priority

Flood Protection Capital Projects in Order of Priority

Environmental Justice	FY19 Priority	Project	Total Project Value (\$K)	Remaining Cost (\$K) (FY-19 to Completion)	Phase
Yes	98	Lower Silver Creek, I-680 to Cunningham (Reach 4-6)	\$101,277	\$1,717	Construction
Yes	83	Cunningham Flood Detention Certification	\$11,687	\$1,559	Construction
No	78	San Francisquito Creek, SF Bay thru Searsville Dam (E5)	\$66,363	\$13,954	Des/Const
Yes	76	Berryessa Creek, Calaveras Boulevard to Interstate 680	\$48,249	\$6,188	Design
Yes	74	San Francisco Bay Shoreline (E7)	\$42,435	\$14,231	Des/Const
No	74	Watersheds Asset Rehabilitation Program	\$180,552	\$165,990	PIng/Des/Const
No	70	Llagas Creek–Upper, Buena Vista Avenue to Llagas Road	\$172,845	\$84,345	Construction
Yes	68	Berryessa Ck, Lower Penitencia Ck to Calaveras Blvd	\$197,708	\$91,981	Des/Const
No	68	Guadalupe River–Upper, I-280 to Blossom Hill Road (E8)	\$165,972	\$56,898	Des/Const
Yes	66	Upper Penitencia Creek, Coyote Creek to Dorel Drive	\$15,583	\$1,910	PIng/Des
No	65	Llagas Creek–Lower, Capacity Restoration, Buena Vista Road to Pajaro River	\$13,879	\$10,503	Design
Yes	65	Lower Penitencia Ck Improvements, Berryessa to Coyote Cks.	\$26,953	\$18,715	Des/Const
No	65	Sunnyvale East and West Channels	\$70,143	\$51,520	Construction
No	62	Permanente Creek, SF Bay to Foothill Expressway	\$96,303	\$5,281	Construction
Yes	62	Coyote Creek, Montague Expressway to Tully Road	\$90,874	\$79,131	PIng
No	56	Palo Alto Flood Basin Tide Gate Structure Improvements	\$12,426	\$11,531	Construction

Water Resources Stewardship Capital Projects in Order of Priority

N/A		Mitigation (All Mitigation projects are required per CEQA or other Regulation and therefore do not receive a score)			
N/A		SMP Mitigation, Stream and Watershed Land Preservation	\$16,734	\$0	Continuing
		Environmental Enhancement & Stewardship			
		Lower Peninsula Watershed			
No	77	Hale Creek Enhancement Pilot Study	\$4,831	\$2,603	Const/Close
No	72	Stevens Creek Fish Passage Enhancement	\$21,134	\$20,284	PIng
		Guadalupe Watershed			
No	85	Almaden Lake Improvements	\$32,799	\$29,445	Des
		Coyote Watershed			
No	78	Watershed Habitat Enhancement Design & Construction	\$65,498	\$65,498	Des
		Multiple Watersheds			
No	80	SCW Fish Passage Improvements	\$4,280	\$1,325	Des/Const
No	75	SCW Implementation Fund	\$20,824	\$20,824	PIng
Yes	50	Salt Ponds A5-11 Restoration	\$13,237	\$8,470	PIng/Des
		Feasibility Studies			
N/A	N/A	Watershed Habitat Enhancement Studies	\$2,273	\$1,082	Feasibility

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Economically disadvantaged communities, as identified on this map, are census tracts in which the median household income is less than 80% of the county median income, as compared to the nine-county Bay Area region and the respective Housing and Urban Development income threshold.

Data Source: United States Census Bureau, 2011 - 2015 American Community Survey 5-Year Estimate; California Department of Housing & Community Development, State Income Limits for 2017

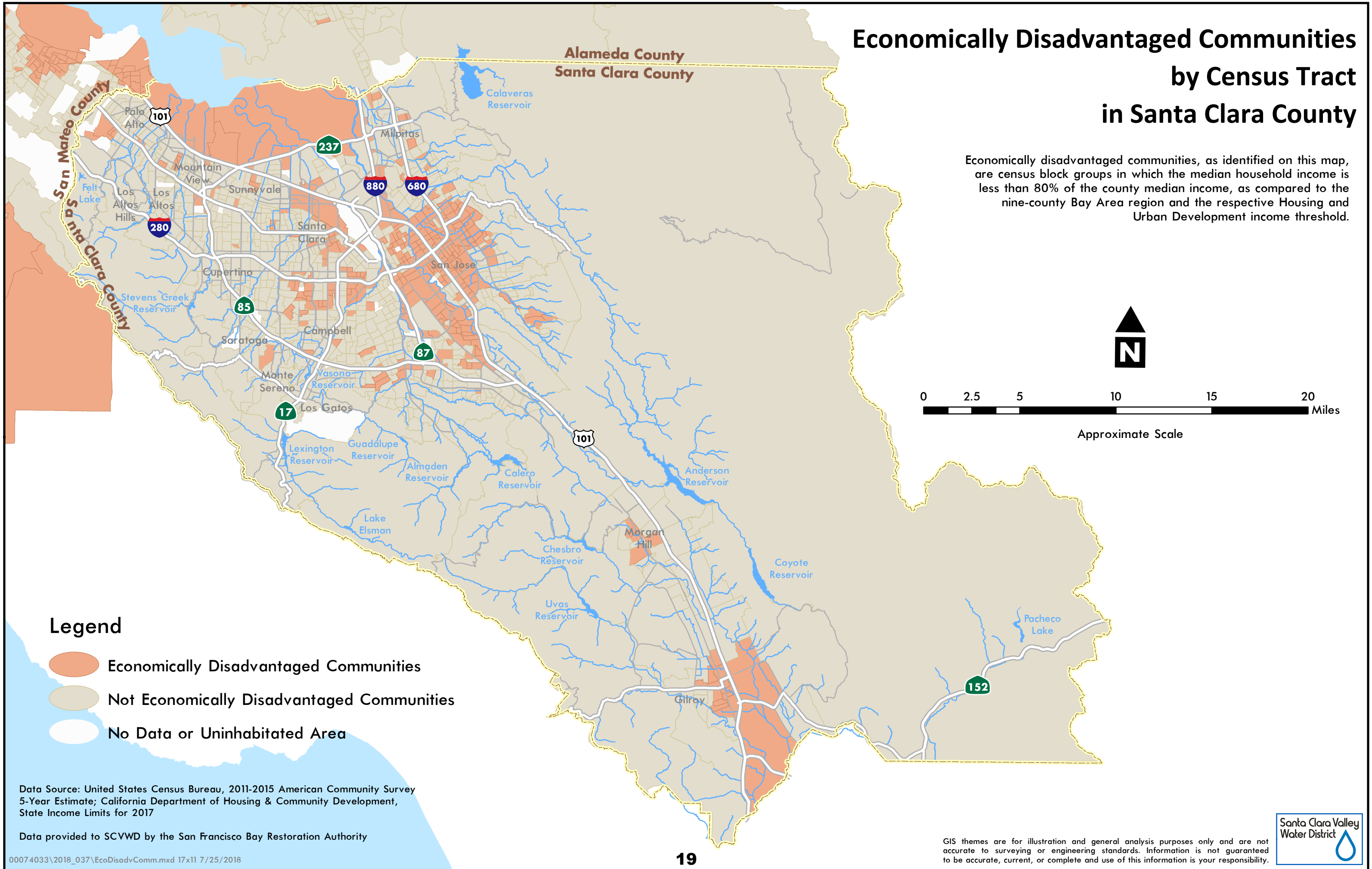
Map date: August 2017



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Economically Disadvantaged Communities by Census Tract in Santa Clara County

Economically disadvantaged communities, as identified on this map, are census block groups in which the median household income is less than 80% of the county median income, as compared to the nine-county Bay Area region and the respective Housing and Urban Development income threshold.



Legend

- Economically Disadvantaged Communities
- Not Economically Disadvantaged Communities
- No Data or Uninhabited Area

Data Source: United States Census Bureau, 2011-2015 American Community Survey 5-Year Estimate; California Department of Housing & Community Development, State Income Limits for 2017

Data provided to SCVWD by the San Francisco Bay Restoration Authority

00074033\2018_037\EcoDisadvComm.mxd 17x11 7/25/2018

GIS themes are for illustration and general analysis purposes only and are not accurate to surveying or engineering standards. Information is not guaranteed to be accurate, current, or complete and use of this information is your responsibility.



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File No.: 18-0614

Agenda Date: 8/13/2018
Item No.: 3.2.

COMMITTEE AGENDA MEMORANDUM

Capital Improvement Program Committee

SUBJECT:

Update on Alternative Revenue Sources for Water Utility and Watershed Projects.

RECOMMENDATION:

Receive information and provide direction to staff.

SUMMARY:

In June 2018, the Board Chair formed a work group of the Board referred to as the “District Act Work Group” to review District Act authority pertaining to generating new revenues. The next meeting of the District Act Work Group is scheduled for August 17, 2018. Staff recommends that the topic of alternative revenue sources investigation be shifted from the CIP Committee to the District Act Work Group, which would include addressing the requests made by the CIP Committee on this topic at their May 14 meeting as noted below.

Summary of May 14 2018 CIP Committee meeting discussion on alternative revenue sources

At the May 14, 2018 CIP Committee meeting, staff reviewed the strongest opportunities available to the District to generate new revenue according to a report titled “Revenue Options Assessment, November 2017” prepared by fiscal policy and financial consultant, William C. Statler. The Committee made the following requests of staff:

- Investigate the Trump Administration’s planned reductions to federal income tax deductions to determine what portion, if any, relates to property taxes; and come back with information on the impacts of a special tax measure on constituents;
- Identify projects that could be funded by a special tax measure, and come back with discussion and opportunity for Committee feedback on the proposed projects and a public opinion survey; and
- Reach out to Santa Clara County tech-industry leaders who have supported the Santa Clara Valley Open Space Authority or the Mid-Peninsula Open Space District; investigate tech-industry firms that have not supported open space in the past to determine whether their support had ever been requested; and utilize District constituent contact connections to engage in support opportunity discussion with Santa Clara County’s tech-industry leaders.

ATTACHMENTS:

None.

UNCLASSIFIED MANAGER:

File No.: 18-0614

Agenda Date: 8/13/2018
Item No.: 3.2.

Darin Taylor, 408-630-3068

File No.: 18-0616

Agenda Date: 8/13/2018
Item No.: 3.3.

COMMITTEE AGENDA MEMORANDUM

Capital Improvement Program Committee

SUBJECT:

Capital Projects Status Updates - Design.

RECOMMENDATION:

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

SUMMARY:

The CIP Committee's 2018 Workplan includes monitoring of capital projects during all phases of development. Staff will prepare a list of active projects to the Committee each month 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 CIP Committee for review one phase at a time. Projects currently in the design phase are being presented this month. Other attachments provide more detail on other items associated with these projects.

Attachment 1 is a list of projects in the design phase. Staff will answer questions about individual projects at the meeting.

Attachment 2 is an update on the Calero and Guadalupe Dams Seismic Retrofit Projects.

Attachment 3 details the factors surrounding the upcoming decision on the timing of dam seismic retrofit projects.

Attachment 4 describes the consultant agreements and amendments that will be presented to the Board at upcoming meetings.

ATTACHMENTS:

- Attachment 1: Capital Project Monitoring Report - Design
- Attachment 2: Update on Dam Seismic Retrofit Projects
- Attachment 3: Timing of Dam Seismic Retrofit Projects
- Attachment 4: Consultant Agreements or Amendments

UNCLASSIFIED MANAGER:

Katherine Oven, 408-630-3126

File No.: 18-0616

Agenda Date: 8/13/2018
Item No.: 3.3.

Ngoc Nguyen, 408-630-2632

Capital Project Monitoring Report - August 2018

Design Phase

Row	Project No.	Project Name	Notes, Upcoming Board Actions or potential issues	Potential Updates
<u>Water Utility</u>				
1	91854001	Almaden Dam Improvements	Updating Planning Study Report to incorporate Almaden-Calero Canal Improvements	X
2	91864005	Anderson Dam Seismic Retrofit	60% Design April 2018; Draft EIR in preparation	
3	91874004	Calero Dam Seismic Retrofit - Design & Construct	60% Design June 2018; initiating Draft EIR preparation	X
4	91894002	Guadalupe Dam Seismic Retrofit - Design & Construct	60% Design Jun 2018	X
5	95084002	10-Yr Pipeline Inspection & Rehabilitation (Cross Valley Pipeline)	Preparing design and obtaining environmental clearance	
6	93294051	RWTP FRP Residuals Remediation	Remediation design consultant has initiated long-term remediation study	
7	93294058	RWTP Residuals Management	System Improvement and RWTP Landscape - Advertise for construction November 2018	
8	91094009	SoCo Recycled Water Pipeline- Short-Term Implementation Phase 1B	Design complete, waiting for NEPA clearance	
<u>Flood Protection</u>				
9	10394001	Palo Alto Flood Basin Tide Gate Structure Improvements	Start Design Jun 2018	
10	26284002	San Francisquito Creek - Construction, SF Bay to Middlefield Road	Pope Chaucer design at 60%, Channel design at 90%, Draft EIR October 2018, Permits end of 2019	
11	26074002	Sunnyvale East and West Channels	Permit negotiations and R/W acquisition on target for March 2019 completion	
12	26154003	Guadalupe Rv-Upper, SPRR to Blossom Hill Road (R7-12)	65% design for Reach 7 complete; No federal funding allocation, project on hold; USACE is updating project costs to verify compliance with federal cost increase guidelines	X
13	40334005	Lower Penitencia Ck Improvements, Berryessa to Coyote Cks.	Design completed, Permit applications submitted, construction planned for summer 2019	
14	50284010	Llagas Creek-Lower, Capacity Restoration, Buena Vista Rd to Pajaro River	On Hold	
15	26174052	Llagas Creek-Upper	USACE 404 permit expected by October 2018; R/W acquisition for Phase 1 complete	
16	26444001	San Francisco Bay Shoreline - EIA 11 Design & Part Construction	Reach 1 levee design completed, District is obtaining R/W and soil for September 2019 construction	
<u>Water Resources Stewardship</u>				
17	26164001	Hale Creek Enhancement Pilot Study	60% design completed, Project on hold pending available resources	
18	26044002	SCW Fish Passage Improvements at Bolsa Rd	60% - 90% design - Advertise Jun 2019	
<u>Buildings & IT</u>				
19	60204016	Almaden and Windfield Campus, Small Capital Improvements	Employee Work Space project will be completed this summer. Winfield trailer installation underway. HQ hot water loop complete, So Co Yard structural evaluation underway, Elect vehicle charger replacement underway.	
20	60274062	People Soft System Upgrades and ERP System Implementation	Vendor selection underway	
21	73274008	Software Upgrades & Enhancement	An item is on the August 14 th Board Meeting agenda for direction to: 1) Approve GIS agreement with Esri or 2) Pursue sole source software procurement	
22	73274001	E-Discovery Management system	Vendor selection complete	

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Calero and Guadalupe Dams Seismic Retrofit Projects Status

Project 91874004: Calero Dam Seismic Retrofit Project

Project 91894002: Guadalupe Dam Seismic Retrofit Project

Calero Dam Seismic Retrofit Project

The Project elements include: main dam embankment improvements; a new sloping intake, outlet tunnel and spillway; auxiliary dam improvements; and breaching of Fellows Dike.

The Project is currently in the design phase. Thirty percent (30%) design was completed in November 2017. Sixty percent (60%) design is expected to be complete by December 2018. The CEQA Scoping meeting was held on July 18, 2018 and the preparation of the Environmental Impact Report is underway. The proposed Project schedule is presented below.

CALERO DAM	
Certify Final EIR	January 2020
Secure Permits & Complete Design	January 2021
Construction Period	April 2021 to September 2023

At the present time, the delivery schedule for the Anderson Dam Seismic Retrofit Project is very similar to the Calero retrofit schedule. There have been several internal discussions regarding the timing of constructing these two projects. Both will require dewatering of the reservoir for one or two years, and for water supply reliability, the two cannot be dewatered at the same time. A more detailed discussion of the options for construction timing for these two projects is presented in Agenda Item 3.3. Attachment 3.

Guadalupe Dam Seismic Retrofit

The Project elements include: dam embankment improvements; a new sloping intake, outlet tunnel and spillway; and a new bridge to provide emergency access from Hicks Road to the top of the dam crest.

The Project is currently in the design phase. Sixty percent (60%) design was completed in February 2018. Ninety percent (90%) design is expected to be complete by December 2018. The CEQA Scoping meeting was held on March 8, 2018. and the preparation of the Environmental Impact Report is underway.

Due to Valley Habitat Plan (VHP) constraints, the Calero and Guadalupe Reservoirs cannot be dewatered concurrently because both dams are in the same watershed. If the Calero seismic retrofit construction is initiated first per the above-described project schedule, construction of the Guadalupe Dam seismic retrofit improvements would have

to wait until such time as Calero Reservoir is refilled. Based on the current Calero retrofit schedule, the Guadalupe retrofit construction could begin as early as winter 2023.

Staff plans to slow down the current pace of deliverables for the Guadalupe Dam Seismic Retrofit Project to incorporate a later construction start than had originally been planned, as proposed below and presented in Agenda Item 3.3. Attachment 3, Exhibit 1.

GUADALUPE DAM	
Certify Final EIR	October 2021
Secure Permits & Complete Design	October 2022
Construction Period	January 2023 to June 2025

Construction Schedules for Dam Seismic Retrofit and Dam Improvements Projects

CIP Committee Item: 3.3.3

Date: 8/13/18

Projects: Active dam seismic retrofit projects:
Anderson Dam Seismic Retrofit Project, No. 91864005;
Calero Dam Seismic Retrofit Project, No. 91874004;
Guadalupe Dam Seismic Retrofit Project, No. 91894002; and
Almaden Dam Improvements Project, No. 91854001

Objective: To present an update on the proposed construction schedule sequencing for the dam seismic retrofit and dam improvements projects.

Background:

At the present time, it is anticipated that the seismic retrofit construction work for Anderson Dam will be initiated in spring 2020. As described in Attachment 2 of this Agenda Item, the Calero Dam seismic retrofit work is anticipated to begin in spring 2021. Because both Anderson and Calero reservoirs play a key role in the District's raw water supply system, these reservoirs cannot be dewatered at the same time. Based on the 2020 and 2021 construction start dates, the construction of one of these retrofit projects will have to be delayed by one or more years.

Staff has met internally to discuss the issue of timing for these two projects. The outcome of these discussions is a proposal to initiate Calero Dam retrofit construction in advance of construction at Anderson Dam. The reasons are described in the following paragraphs.

During the 5-year construction of the Anderson Dam Project, its local storage will be unavailable for a 2-year dewatering period when the dam embankments are deconstructed and re-built. During this time, the reliability of the raw water system will be reduced. In the event of a loss of imported water supplies, the only other local source of water that can be used to supply the water treatment plants is Calero Reservoir. However, current seismic restrictions on Calero Reservoir limit storage to 46% of its full capacity, or about 4,585 acre-feet (AF). With a desired emergency storage of 4,000 AF, Calero currently only provides about 500 AF of active storage volume. Combining this with an outlet capacity of about 50 cubic feet per second (cfs), the current reservoir configuration offers limited relief as a backup water supply to the treatment plants or in helping to mitigate water quality issues. Therefore, during the two

years of a dewatered Anderson Reservoir, an interruption in Central Valley Project (CVP) deliveries or a significant water quality event would likely result in decreased treated water deliveries from the treatment plants. With limited flows from Calero Reservoir, the only supply of raw water to the treatment plants would be from the South Bay Aqueduct (SBA). Depending on the time of year, the SBA cannot provide enough supply to meet the District's treated water contract amounts.

The risks of a dewatered Anderson Dam to raw water reliability could be partially mitigated by completing the construction of the Calero Dam Seismic Retrofit Project before dewatering Anderson Reservoir. This would restore the capacity of Calero Reservoir to 9,934 AF and increase the outlet capacity from 50 cfs to 100 cfs. Under this condition, if there were to be an interruption in CVP deliveries when Anderson Reservoir is dewatered, Calero Reservoir could provide sufficient flow for several weeks, when combined with SBA deliveries, to meet treated water demands and minimize the impact to other raw water uses.

Exhibit 1 presents the current anticipated and proposed construction schedules for the four active seismic retrofit or dam improvements projects. If staff's proposal to proceed with Calero Dam retrofit work first, the Anderson Dam construction start would be delayed by 9 months. Since the first two years of Anderson construction are dedicated to building the new outlet tunnel, Anderson Dam would continue to operate while Calero Reservoir would be dewatered. The dewatered period for Calero would end at the beginning of 2023, and the reservoir could be refilled in advance of the dewatering period for Anderson, which, in the proposed construction schedule, would begin in early 2024.

Exhibit 1 also presents current anticipated and proposed construction schedules for Guadalupe and Almaden dams. The current construction schedule for Guadalupe is parallel to that of Calero. However, per the Valley Habitat Plan (VHP), reservoirs located in the same watershed cannot be dewatered simultaneously. Since Guadalupe and Calero Reservoirs are in the same watershed, the Guadalupe construction schedule will have to be delayed until Calero Reservoir is refilled after construction.

Since Almaden Dam is in the same watershed as Calero and Guadalupe dams, its construction will have to wait until Guadalupe Reservoir is refilled after construction.

Prior to construction initiation of any dam seismic retrofit or dam improvements projects, an interim emergency reservoir storage policy will be prepared for Board consideration.

Table 1 presents a summary of current and proposed construction start dates for the four dam seismic retrofit or improvements projects.

**Table 1. Dam Seismic Retrofit or Improvement Projects
Current and Proposed Construction Start Dates**

Project	Construction Start Date	
	Current	Proposed
Anderson Dam	2020	2022
Calero Dam	2021	2021
Guadalupe Dam	2021	2023
Almaden Dam	2021	2024

* * * * *

**DAM SEISMIC RETROFIT PROJECTS CONSTRUCTION SCHEDULES
CURRENT VS PROPOSED**

Task Name	2020		2021		2022		2023		2024		2025		2026		2027		2028		2029	
ANDERSON (CURRENT)																				
ANDERSON (PROPOSED)																				
CALERO (CURRENT)																				
CALERO (PROPOSED)																				
GUADALUPE (CURRENT)																				
GUADALUPE (PROPOSED)																				
ALMADEN (CURRENT)																				
ALMADEN (PROPOSED)																				

LEGEND

CURRENT SCHEDULE



DEWATERING ACTIVITY



PROPOSED SCHEDULE



NOTES

1. Due to water supply reliability, the Calero Dam retrofit is recommended to start construction before the Anderson Dam retrofit.
2. VHP requires that a single dam dewatering activity per watershed is allowed.

Upcoming Consultant Agreements or Amendments

1. **Project:** Pacheco Reservoir Expansion Project, No. 60954001

New Agreement

Scope of Services: Planning, Design, and Environmental Documentation and Permitting Services (PDEC)

Agreement Not-to-Exceed Fee: ~\$95-110M

Budget Adjustment Required: Yes

Objective:

The Pacheco Reservoir Expansion Project (Project) will include installation of a new dam on the North Fork of Pacheco Creek and appurtenances including outlet works and spillway; installation of a new pipeline between the existing Pacheco Conduit and the new dam; a new pumping plant; power supply and other appurtenances; removal of the existing North Fork Dam; and improved site access.

The Project will expand the existing reservoir to provide up to 140,000 acre-feet per year (AFY) of storage capacity to provide for:

1. Increased emergency water supplies
2. Improved water quality
3. Ecosystem benefits

Scope:

The scope includes performing planning, design, environmental documentation and permitting services on the Project. This includes meeting the January 1, 2022 deadline for completing the Project's draft California Environmental Quality Act documentation and releasing it for review per the California Water Commission's Water Storage Investment Program (WISP) regulations. District staff submitted application for the Project to WSIP grant. The agreement covers the planning and design phases which are currently estimated to be performed over a 5-year period of time and allow for amendment to provide services during the construction phase.

* * * * *

2. **Project:** Pacheco Reservoir Expansion Project, No. 60954001

New Agreement

Scope of Services: Program Management Services (PMC)

Agreement Not-to-Exceed Fee: ~\$23-25M

Budget Adjustment Required: Yes

Objective:

The objective is to have the consultant perform program management services on the Project, described under #1 above.

Scope:

The scope includes overseeing the PDEC consultant described under #1 above. The agreement covers the planning and design phases which are currently estimated to be performed over a 5-year period of time and allow for amendment to provide services during the construction phase.

* * * * *

3. Project: Anderson Dam Seismic Retrofit Project, No. 91864005

Agreement Amendment: No. 4

Scope of Services: Design Services

Amount of Amendment: ~\$4M

Agreement Not-to-Exceed Fee: ~\$17.4M

Budget Adjustment Required: No

Objective:

The objective is to amend the design agreement to incorporate project scope changes identified at the 60% Design level.

Scope:

A spillway condition assessment was completed in November 2017 and the 60% Design was completed in July 2018. As a result of design evolution, additional analysis and documentation will be required to complete the Design.

The spillway assessment findings indicate it is performing as intended, however the spillway does not meet current standards and has the potential for an Oroville-type failure. Due to this potential for an Oroville-type failure and its age, a significant retrofit or reconstruction of the spillway will be necessary. The spillway will require additional geotechnical investigation and analysis to develop the design for this reconstruction/retrofit. Through the regulatory review process, the Federal Energy Regulatory Commission (FERC) and the Division of Safety of Dams (DSOD) have requested supplemental geotechnical investigations and analysis to design the in-reservoir stockpile areas, the outlet works, and the embankment reconstruction. With County Parks land being identified as a likely area for stockpiling and staging, a design for restoration will also be necessary.

File No.: 18-0612

Agenda Date: 8/13/2018

Item No.: 3.4.

COMMITTEE AGENDA MEMORANDUM

Capital Improvement Program Committee

SUBJECT:

2018 Capital Improvement Committee Work Plan.

RECOMMENDATION:

- A. Review and make necessary revisions to the 2018 Capital Improvement Program (CIP) Committee Work Plan, and
- B. Confirm the Committee's regular meeting schedule for September, October, November and December 2018.

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 2018 Capital Improvement Program Committee 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 Committee's regular meetings scheduled for October and November 2018 will be impacted by the District Holiday Schedule; therefore, the Committee will need to decide whether to reschedule or cancel the meetings. If rescheduling the meetings, the Committee will need to select a date to enable staff to proceed with meeting planning and logistics.

ATTACHMENTS:

Attachment 1: 2018 CIP Committee Work Plan

File No.: 18-0612

Agenda Date: 8/13/2018
Item No.: 3.4.

UNCLASSIFIED MANAGER:
Michele King, 408-2630-2711

CIP Committee 2018 Workplan

		<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>		
CIP Implementation														
10 Year Pipeline Project w/ Environmental Justice Prioritization Criteria Long Term Purified Water Alternative Financing WUE Projects Public Private Partnership (P3) Delivery for capital projects So Co Recycled Water Pipeline Calero & Guadalupe Dams Safe, Clean Water Environmental Stewardship Projects	N o M e e t i n g			X										
									X					
			X											
						X				X		X		X
							X							
										X				
											X			
Capital Project Monitoring														
Construction Design Planning / Feasibility			X											
				X				X			X			
					X							X		
CIP Development														
Project ranking criteria Preliminary CIP Criteria for Ranking Stewardship Projects														
										X	X	X		
										X	X	X		
								X						

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Natalie Dominguez

From: Ngoc Nguyen
Sent: Thursday, August 2, 2018 8:22 AM
To: doug.muirhead@stanfordalumni.org
Cc: Melanie Richardson; Nina Hawk; Leslie Orta; Michele King; Natalie Dominguez; Katherine Oven; Beth Redmond
Subject: FW: Follow Up on CIP Committee Referral for Staff Response to Public Comment Letter, 071017, D. Muirhead
Attachments: 03 071017 Item 2 - Handout, D Muirhead.pdf

Mr. Muirhead,

Thank you for your comments to the Santa Clara Valley Water District's (District) Board Capital Improvement Program (CIP) Committee on July 9, 2018. Below please find information related to your 2 comments.

- 1) For each project, include anticipated community impact.

This gives the communities affected advance warning of impacts, even if staff eventually considers the impacts to be minimal with or without mitigation and may not even mention them. A small example I raised with the Board was lack of mention in CIP or NMD of groundwater recharge interruption during Main/Madrone pipeline rehabilitation.

A much more significant example is that Anderson Dam will be drained during seismic work. This is mentioned now in presentations to the Board and in community meetings.

Response:

The District's Five-Year CIP is a projection of the District's capital funding for planned capital projects. It's mainly a financial planning document to demonstrate the financial feasibility for capital improvement projects in the next five years and, therefore, does not contain information on anticipated community impacts. Information on anticipated community impacts is included in appropriate documents such as a project's Problem Definition Report, Planning Study Report, Engineer's Report, Environmental Evaluation Report, etc. Information on anticipated community impacts often cannot be summarized in one or two sentences. It must be presented in context of the proposed project outcomes, construction activities, existing baseline conditions, proposed impact avoidance measures, best management practices to reduce project impacts, and mitigation measures to compensate for project impacts. Including such information in the Five-Year CIP would significantly expand the size of the document and would also detract from its key purpose as a financial planning document.

- 2) The descriptions in the CIP projects book are quite static, except for spending summaries as years progress. I would like to see the addition of confidence levels as is done in the Safe Clean Water annual report.

Response:

As stated in the previous response, the District's Five-Year CIP is a financial planning document to demonstrate the financial feasibility for capital improvement projects in the next five years. As such, it makes a very strong statement on the District's confidence in implementing capital improvements based on detailed long-term forecasts of costs and available funding. The Five-Year CIP represents the Board's commitment to the community that it will undertake the necessary measures (water rate increases, use of the one percent ad valorem taxes, and pursuit of cost-share agreements and state

and federal funding) to complete all projects listed therein. Projects for which the District does not have confidence of funding are listed in the document's appendices as "unfunded."

The Safe Clean Water Annual Report lists confidence levels of schedule, funding, permits and jurisdictional complexity. The Five-Year CIP is a document that presents funding confidence. The other confidence issues in the Safe Clean Water reports are not relevant to a financial planning document.

Please let me know if you have questions or need additional information.



NGOC NGUYEN, P.E.
DEPUTY OPERATING OFFICER
Watersheds Design & Construction Division
Santa Clara Valley Water District
5750 Almaden Expressway, San Jose CA 95118
(408) 630-2632
nnguyen@valleywater.org
www.valleywater.org

From: D. Muirhead
To: [Michelle Meredith](#)
Subject: non-agenda comments for CIP Committee
Date: Monday, July 03, 2017 10:23:19 AM

Dear Santa Clara Valley Water District
Capital Improvement Program Committee,

I have two suggestions for you and staff regarding the Five-Year CIP projects book.

- 1) For each project, include anticipated community impact. This gives the communities affected advance warning of impacts, even if staff eventually considers the impacts to be minimal with or without mitigation and may not even mention them.

A small example I raised with the Board was lack of mention in CIP or NMD of groundwater recharge interruption during Main/Madrone pipeline rehabilitation.

A much more significant example is that Anderson Dam will be drained during seismic work. This is mentioned now in presentations to the Board and in community meetings.

- 2) The descriptions in the CIP projects book are quite static, except for spending summaries as years progress. I would like to see the addition of confidence levels as is done in the Safe Clean Water annual report.

Thank you for your consideration,
Doug Muirhead, Morgan Hill

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