Santa Clara Valley Water District
Capital Improvement Program Committee Meeting

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

REGULAR MEETING
AGENDA

Monday, December 9, 2019
10:00 AM

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

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

   1.1. Roll Call.

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

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

3. APPROVAL OF MINUTES:

   3.1. Approval of November 18, 2019 Meeting Minutes.  

   Recommendation: Approve the minutes.

   Manager: Michele King, 408-630-2711

   Attachments: Attachment 1: 111819 CIP Committee Minutes

   Est. Staff Time: 5 Minutes

4. ACTION ITEMS:
4.1. Update on the Palo Alto Flood Basin Tide Gate Structure Improvements Project, Project No. 10394001, (City of Palo Alto, District 7). (Continued From November 18, 2019)

Recommendation: Receive the Update on the Palo Alto Flood Basin Tide Gate Structure Improvements Project.

Manager: Ngoc Nguyen, 408-630-2632

Attachments: 
Attachment 1: Map
Attachment 2: Alternative B Construction Staging
Attachment 3: Alternative C Construction Staging
Attachment 4: Feasible Alternatives Matrix
Attachment 5: PowerPoint

Est. Staff Time: 10 Minutes

4.2. Capital Project Monitoring - Design.

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

Manager: Tim Bramer, 408-630-3794
Christopher Hakes, 408-630-3796
Ngoc Nguyen, 408-630-2632

Attachments: 
Attachment 1: Capital Project Monitoring - Design

Est. Staff Time: 15 Minutes

4.3. Draft Preliminary Capital Improvement Program Fiscal Years 2021-2025.

Recommendation: Review and discuss the Draft Preliminary Fiscal Years 2021-2025 Capital Improvement Program and provide recommendations to staff as needed.

Manager: Christopher Hakes, 408-630-3796

Attachments: 
Attachment 1: Draft Preliminary FY 2021-2025 CIP
Attachment 2: Draft Preliminary CIP Financial Models

Est. Staff Time: 30 Minutes
4.4. Receive Updated Analysis Regarding the Capital Improvement Program Committee’s Recommended Funding Scenario for Safe, Clean Water and Natural Flood Protection Program Flood Protection Projects.
Recommendation: A. Receive updated analysis regarding the Capital Improvement Program (CIP) Committee’s recommended funding scenario for Safe, Clean Water and Natural Flood Protection Program (Safe, Clean Water Program) Flood; and B. Protection Projects; and Provide feedback to staff, as necessary.
Manager: Melanie Richardson, 408-630-2035
Nina Hawk, 408-630-2736
Attachments: Attachment 1: Updated Funding Scenarios
Attachment 2: Change Control Process
Est. Staff Time: 10 Minutes

Recommendation: A. Review the 2019 Capital Improvement Program Committee Work Plan and make revisions as necessary; B. Review the proposed 2020 Capital Improvement Program Committee Work Plan and make revisions as necessary; and C. Review and approve the proposed 2020 CIP Committee meeting schedule.
Manager: Michele King, 408-2630-2711
Attachments: Attachment 1: 2019 CIP Committee Workplan
Attachment 2: Draft 2020 CIP Committee Workplan
Attachment 3: 2020 CIP Meeting Schedule
Est. Staff Time: 10 Minutes

5. INFORMATION ITEMS:

6. CLERK REVIEW AND CLARIFICATION OF COMMITTEE REQUESTS.
This is an opportunity for the Clerk to review and obtain clarification on any formally moved, seconded, and approved requests and recommendations made by the Committee during the meeting.

7. ADJOURN:

7.1. Adjourn to Regular Meeting at 10:00 a.m., on January 13, 2020, in the Santa Clara Valley Water District Headquarters, Board Conference Room A-124, 5700 Almaden Expressway, San Jose, California.
COMMITTEE AGENDA MEMORANDUM

Capital Improvement Program Committee

SUBJECT:
Approval of November 18, 2019 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: 111819 CIP Committee Minutes

UNCLASSIFIED MANAGER:
Michele King, 408-630-2711
A rescheduled regular meeting of the Santa Clara Valley Water District (Valley Water) Capital Improvement Program Committee (Committee) was called to order in the Valley Water Headquarters, Conference Room A-124, 5700 Almaden Expressway, San Jose, California, at 10:00 a.m.

1. CALL TO ORDER/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.

Staff members in attendance were N. Camacho, Chief Executive Officer, S. Berning, T. Bramer, L. Bankosh, J. Collins, M. Cook, N. Dominguez, M. Ganjoo, C. Hakes, N. Hawk, L. Hoang, N. Nguyen, L. Orta, and T. Yoke.

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

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

Chairperson Hsueh announced the agenda items would be discussed in the following order: Item 3.1, Item 4.4, Item 4.3, Item 4.2, Item 4.1, and Item 4.5.

3. APPROVAL OF MINUTES.

3.1. Approval of October 21 and 24, 2019 Meeting Minutes.

Recommendation: Approve the minutes.

The Committee considered the attached minutes of the October 21 and 24, 2019 meetings. 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 4.4
4. **ACTION ITEMS**

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

Recommendation: Receive the update on the Palo Alto Flood Basin Tide Gate Structure Improvements Project.

Mr. Afshin Rouhani, Water Policy and Planning Manager, Mr. Stephen Ferranti, Capital Engineering Manager, Mr. Karl Neuman, Capital Engineering Manager, and Ms. Jessica Collins, Watersheds Business Planning and Analysis Manager, reviewed the information on this item, per the attached Committee Agenda Memo, and the corresponding presentation materials contained in Attachments 2 through 5, were reviewed as follows: Mr. Rouhani reviewed Item B, Upper Penitencia Creek (Attachment 2), Mr. Ferranti reviewed Item C, Upper Llagas (Attachment 3), Mr. Neuman reviewed Item D, Upper Guadalupe River (Attachment 4), and Ms. Collins reviewed Potential Funding Scenarios (Attachment 5).

The Committee noted the information on Items B through D, without formal action.

In regard to Potential Funding Scenarios, it was moved by Director LeZotte, seconded by Chairperson Hsueh, and carried to recommend Funding Scenario No. 2 to the full Board for consideration. Director Estremera was absent.

Chairperson Hsueh returned the agenda to Item 4.3.

4.3. Amendment to Consultant Agreement A3933A with Harris and Associates to Provide an Additional $350,000 for Construction Management Services for the Permanente Creek Flood Protection Project – McKelvey Park Detention Basin, Project No. 26244001. (Mountain View) (District 7)

Recommendation: Receive information on the upcoming Amendment to Consultant Agreement A3933A with Harris and Associates for Construction Management Services for the Permanente Flood Protection Project – McKelvey Park Detention Basin that staff will be recommending for approval.

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

It was moved by Director LeZotte, seconded by Chairperson Hsueh, and carried to support staff’s recommendation. Director Estremera was absent.

The Committee requested staff revise the agenda memo to remove the Additional Construction Management Services section contained on Page 2.

Chairperson Hsueh returned the agenda to Item 4.2.
4.2. Capital Project Monitoring – Construction.

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

Mr. Bramer, Acting Deputy Operating Officer, Mr. Ngoc Nguyen, Deputy Operating Officer, and Mr. Michael Cook, Deputy Administrative Officer, reviewed the information on this item, per the attached Committee Agenda Memo, and the corresponding presentation materials contained in Attachment 1 were reviewed by staff as follows: Mr. Bramer reviewed Items 1 through 6, 10 and 12; Mr. Nguyen reviewed Items 7 through 9, 11 and 13; and Mr. Cook reviewed Items 16 and 17.

The Committee noted the information, without formal action.

Chairperson Hsueh returned the agenda to Item 4.1.

4.1. Update on the Palo Alto Flood Basin Tide Gate Structure Improvements Project, Project No. 10394001 (Palo Alto) (District 7).

Chairperson Hsueh continued Item 4.1 to the December 9, 2019 Capital Improvement Program Committee meeting.

Chairperson Hsueh moved the agenda to Item 4.5.

4.5. 2019 Capital Improvement Program Committee Work Plan.

Recommendation: Review the 2019 Capital Improvement Program Committee Work Plan and make revisions as necessary.

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

Chairperson Hsueh confirmed the addition of Item 4.1, Update on the Palo Alto Flood Basin Tide Gate Structure Improvements Project to the December 9, 2019 agenda.

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

The Committee’s recommendations were not read into the record.
7. ADJOURN

Chairperson Hsueh adjourned the meeting at 11:20 a.m., to the next scheduled meeting at 10:00 a.m., on December 9, 2019, in the Valley Water Headquarters, Conference Room A-124, 5700 Almaden Expressway, San Jose, California.

Natalie F. Dominguez, CMC
Assistant Deputy Clerk II

Approved:
COMMITTEE AGENDA MEMORANDUM

Capital Improvement Program Committee

SUBJECT:
Update on the Palo Alto Flood Basin Tide Gate Structure Improvements Project, Project No. 10394001, (City of Palo Alto, District 7). (Continued From November 18, 2019)

RECOMMENDATION:
Receive the Update on the Palo Alto Flood Basin Tide Gate Structure Improvements Project.

SUMMARY:
Background:
The Palo Alto Flood Basin (PAFB) tide gate structure was constructed in 1957 by the Santa Clara County Flood Control and Water Conservation District (Valley Water), Santa Clara County, and the City of Palo Alto. A map of the PAFB is included as Attachment 1.

In 2012, Valley Water completed emergency repairs to stop seepage flow beneath the structure. As part of that effort, staff prepared a post construction report which detailed the emergency work and recommended replacement of the tide gate structure.

In 2014, Valley Water retained the services of Mark Thomas & Co (MT) to perform structural inspections and prepare an assessment report for the tide gate structure. The report concluded that the structure was in generally good condition and recommended approximately $180,000 in minor structural repairs.

In 2017, Valley Water retained a construction contractor to perform minor maintenance repairs; however, the work was complicated by cracks in the bottom slab and stopped during the dewatering process. A subsequent letter prepared by MT in October 2017 recommended the structure be replaced in the next couple of years.

In 2018, Valley Water management directed a new team to complete planning, design, and construction of a new tide gate structure.

On January 8, 2018, the project team met with the City of Palo Alto to coordinate ongoing efforts and next steps. The team discussed Project alignment with the San Francisquito Creek Joint Powers Authority’s (SFCJPA) Strategy to Advance Flood protection, Ecosystems and Recreation Project (SAFER Bay), the City of Mountain View’s South Bay Salt Pond Restoration Project (Mountain View Ponds), and the South San Francisco Bay Shoreline Project (Shoreline Project). The team also
discussed an inter-agency cost share agreement to fund the Project, PAFB data sharing, and Valley Water's emergency action plan for the PAFB, Adobe Creek, Barron Creek, and Matadero Creek.

On October 29, 2018, the project team met with the City of Palo Alto, the City of Mountain View, and the SFCJPA to ensure inter-agency coordination and advance the planning, design, and construction of the Project. During the meeting the team learned that the SAFER Bay project is expected to complete planning by 2026 and that the Mountain View Ponds project is expected to begin construction in 2020. The team agreed that given the risk of failure of the tide gate structure, the Project should proceed with planning, design, and construction.

In order to minimize the consequences of failure, Staff prepared an Emergency Action Plan (EAP) which was reviewed and accepted by the City of Palo Alto.

Currently, Valley Water maintenance staff performs routine inspections of the PAFB levees, tide gate structure, and passive tide gates, and the City of Palo Alto operates one motor driven sluice gate, and adjusts the water circulation as needed for vector control and salinity purposes.

**Description**

The structural engineering assessment completed in 2017 estimated that the tide gate structure could fail within approximately two to three years. If the structure fails, the tidal water could flood approximately 460 residences, 2 schools, 7 businesses, and Hwy 101 during two-year frequency peak high tide events. In addition to tidal flooding in low elevation areas, flooding from tributary creeks could worsen during high tide events as tidal water pushes upstream and reduces channel design capacity.

The Project evaluated three alternatives: No Action (Alternative A), New Structure Upstream of Existing Tide Gate Structure Location (Alternative B), and New Structure Next to Existing Tide Gate Structure Location (Alternative C).

**Alternatives Considered**

**No Action - Alternative A**

Alternative A is included to identify expected impacts to the tide gate structure and areas affected by failure at the tide gate structure if no project is constructed. The EAP will be implemented in case of eminent failure.

**New Structure Upstream of Existing Tide Gate Structure Location - Alternative B**

Alternative B includes five stages (construction seasons) to construct a new tide gate structure upstream from the existing structure as shown in Attachment 2.

Stage 1 (September 2021 - January 2022) would include installation of a sheet pile cofferdam to dewater the work area, excavation of levee soils, and construction of the pile foundation for the first
half of the new structure. The existing structure would function as is for flows.

Stage 2 (September 2022 - January 2023) would include complete construction of the first half of the new tide gate structure and tide gates, and construction of an outlet channel, while the existing tide gate structure functions as is for flows.

Stage 3 (September 2023 - January 2024) would include installation of a second sheet pile cofferdam to dewater the second work area, and construction of the second half of pile foundation. The first half of the new structure would bypass flows out of the flood basin in lieu of the existing structure.

Stage 4 (September 2024 - January 2025) would include removal of the existing structure, completion of construction of the second half of the new structure and tide gates, and completion of necessary soil improvements for the new levee. The first half of the new structure would continue to serve as a bypass for flows.

Stage 5 (September 2025 - January 2026) would include complete construction of the new levee and removal of all cofferdam dewatering systems.

**New Structure Next to Existing Tide Gate Structure Location - Alternative C**

Alternative C includes four stages (construction seasons) to construct a new tide gate structure adjacent and approximately 50 feet east of the existing structure as shown in Attachment 3.

Stage 1 (September 2021 - January 2022) would include installation of a sheet pile cofferdam to dewater the work area, excavation of levee soils, and construction of the pile foundation for the entire new structure.

Stage 2 (September 2022 - January 2023) would include completing construction of the new tide gate structure and tide gates, and construction of an outlet channel, while the existing tide gate structure functions as is for flows.

Stage 3 (September 2023 - January 2024) would include installation of a second sheet pile cofferdam to dewater the second work area, removal of existing tide gate structure, and completion of necessary soil improvements for the new levee.

Stage 4 (September 2024 - January 2025) would include complete construction of the new levee and remove all dewatering systems.

**Recommended Alternative**

The Staff Recommended Alternative was determined by comparing various criteria of Alternative B and Alternative C as listed in Attachment 4 and Attachment 5. Both feasible alternatives include identical new tide gate structures. However, Alternative C is recommended for the below reasons:

1. Alternative C construction duration would be 12 months less than Alternative B.
2. Alternative C would include less construction risk for schedule and cost overruns.

3. Alternative C would be easier to permit compared to Alternative B due to a reduced construction footprint, and shorter construction duration.

4. The total approximate project cost of Alternative B and Alternative C is $36,998,000 and $31,835,600 respectively. Alternative C provides $5,162,400 in cost savings.

The project team concluded that both Alternative B and Alternative C provides critical flood protection. However, Alternative C has the least environmental impact, timeliest, and most cost effective. The project team recommends that Alternative C be advanced to the design and construction phases.

FINANCIAL IMPACT:
The estimated total project cost for implementing Alternative C is $31,835,600. This project is funded from the Watersheds and Stream Stewardship Fund 12.

CEQA:
A Mitigated Negative Declaration is being prepared for this project.

ATTACHMENTS:
Attachment 1: Map
Attachment 2: Alternative B Construction Staging
Attachment 3: Alternative C Construction Staging
Attachment 4: Feasible Alternatives Matrix
Attachment 5: PowerPoint

UNCLASSIFIED MANAGER:
Ngoc Nguyen, 408-630-2632
EXISTING TIDE GATE STRUCTURE

Alternative B Construction Staging
ALTERNATIVE B - STAGE 1 AND STAGE 2

EXISTING STRUCTURE WILL REMAIN IN USE DURING STAGE 1 AND STAGE 2 CONSTRUCTION

STAGE 1:
- INSTALL DEWATERING SYSTEM
- LEVEE EXCAVATION
- CONSTRUCT FIRST HALF OF PILE FOUNDATION

STAGE 2:
- CONSTRUCT FIRST HALF OF SUPERSTRUCTURE
- CONSTRUCT OUTLET CHANNEL
- RECONSTRUCT NEW LEVEE

SAN FRANCISCO BAY
PALO ALTO FLOOD BASIN
STAGE 3:
- REMOVE DEWATERING SYSTEM
- OPEN FIRST HALF OF NEW STRUCTURE AND OUTLET CHANNEL
- CONSTRUCT DEWATERING SYSTEM FOR NEW AREA
- CONSTRUCT SECOND HALF OF PILE FOUNDATION

STAGE 4:
- REMOVE EXISTING STRUCTURE
- CONSTRUCT SECOND HALF OF SUPERSTRUCTURE
- CONSTRUCT GROUND IMPROVEMENTS

SAN FRANCISCO BAY

PALO ALTO FLOOD BASIN

ALTERNATIVE B - STAGE 3 AND STAGE 4
STAGE 5:
- CONSTRUCT LEVEE
- REMOVE DEWATERING SYSTEM
EXISTING TIDE GATE STRUCTURE
STAGE 1:
- INSTALL DEWATERING SYSTEM
- LEVEE EXCAVATION
- CONSTRUCT PILE FOUNDATION

STAGE 2:
- CONSTRUCT SUPERSTRUCTURE
- RECONSTRUCT NEW LEVEE
- CONSTRUCT OUTLET CHANNEL

EXISTING STRUCTURE REMAINS IN USE DURING STAGE 1 AND 2 CONSTRUCTION
STAGE 3, PHASE 1:
- REMOVE DEWATERING SYSTEM

EXISTING STRUCTURE REMAINS IN USE DURING STAGE 3, PHASE 1 CONSTRUCTION

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STAGE 3, PHASE 1:
- REMOVE DEWATERING SYSTEM
STAGE 3, PHASE 2:
- CONSTRUCT DEWATERING SYSTEM
- REMOVE EXISTING TIDE GATE STRUCTURE
- CONSTRUCT GROUND IMPROVEMENTS

NEW TIDE GATE STRUCTURE IN FULL USE DURING STAGE 3, PHASE 2 CONSTRUCTION
STAGE 4:
- COMPLETE GROUND IMPROVEMENTS
- CONSTRUCT NEW LEVEE
- REMOVE DEWATERING SYSTEM
ALTERNATIVE C - AFTER CONSTRUCTION

SAN FRANCISCO BAY

PALO ALTO FLOOD BASIN

ALTERNATIVE C
NEW TIDE GATE STRUCTURE
# Feasible Alternatives Matrix

<table>
<thead>
<tr>
<th>Alternative Element</th>
<th>Alternative A No Action</th>
<th>Alternative B New Structure Upstream from Existing Tide Gate Structure Location</th>
<th>Alternative C New Structure Next to Existing Tide Gate Structure Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Construction Footprint Area</td>
<td>N/A</td>
<td>3.1 acres</td>
<td>2.6 acres</td>
</tr>
<tr>
<td>Native Planting Area</td>
<td>N/A</td>
<td>0.6 acres</td>
<td>0.4 acres</td>
</tr>
<tr>
<td>Number of Construction Season</td>
<td>N/A</td>
<td>5</td>
<td>4</td>
</tr>
<tr>
<td>Environmental Impact</td>
<td>* Potential loss of brackish marsh habitat. * 2-year flooding of 460 residences, 2 schools, 7 businesses, and temporary closure of Highway 101.</td>
<td>* Temporary impacts during the construction work windows for 5 seasons. * Current brackish marsh habitat will be maintained.</td>
<td>* Temporary impacts during the construction work windows for 4 seasons. * Current brackish marsh habitat will be maintained.</td>
</tr>
<tr>
<td>Impact to Trail Users</td>
<td>Trail is expected to be lost when tide gate structure fails.</td>
<td>The trail will be closed at the limits of the construction area for 53 months.</td>
<td>The trail will be closed at the limits of the construction area for 41 months.</td>
</tr>
<tr>
<td>Construction Uncertainties</td>
<td>N/A</td>
<td>Higher risk of construction complications due to unknown subsurface conditions, and staged construction of the tide gate structure.</td>
<td>Lower risk of construction complications.</td>
</tr>
<tr>
<td>Ease of Permitting</td>
<td>N/A</td>
<td>Permitting will be considerably difficult due to longer construction time and larger construction footprint area.</td>
<td>Permitting will be easier compared to Alternative B due to shorter construction time and reduced construction footprint area.</td>
</tr>
<tr>
<td>Mitigates Against SLR</td>
<td>No</td>
<td>Partial mitigation</td>
<td>Partial mitigation</td>
</tr>
<tr>
<td>O&amp;M Cost (OP)</td>
<td>Annual $ - $</td>
<td>$ 8,400</td>
<td>$ 8,400</td>
</tr>
<tr>
<td></td>
<td>Over 50 Years $ - $</td>
<td>$ 1,400,000</td>
<td>$ 1,400,000</td>
</tr>
<tr>
<td>Construction Cost</td>
<td>$ - $</td>
<td>$ 31,147,200</td>
<td>$ 26,429,200</td>
</tr>
<tr>
<td>Planning &amp; Design Cost</td>
<td>$ - $</td>
<td>$ 3,264,000</td>
<td>$ 2,947,000</td>
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<tr>
<td>Permitting Cost</td>
<td>$ - $</td>
<td>$ 1,186,800</td>
<td>$ 1,059,400</td>
</tr>
<tr>
<td>Total 50-Year Lifetime Cost</td>
<td>N/A</td>
<td>$ 36,998,000</td>
<td>$ 31,835,600</td>
</tr>
</tbody>
</table>
Project Location (District 7)
Stakeholders

• San Francisquito Creek Joint Powers Authority (SFCJPA)
• City of Palo Alto (City of PA)
• City of Mountain View (City of MW)
• U.S. Army Corps of Engineers (USACE)
• U.S. Fish and Wildlife Service (USFWS)
• National Marine Fisheries Service (NMFS/NOAA)
• California Department of Fish and Wildlife (CDFW)
• San Francisco Bay Regional Water Quality Control Board
• Santa Clara County Vector Control District (SCCVCD)
• San Francisco Bay Trail (Bay Trail)
• California State Coastal Conservancy (SCC)
• San Francisco Bay Conservation and Development Commission (BCDC)
Meeting History w/ Stakeholders

• January 2018 – Background, Problem definition, emergency action plan, and cost share request with City of PA
• October 2018 – Preliminary design criteria meeting including project coordination with Shoreline Levee Project with SFCJPA, City of PA, City of MW
• April 2019 – Conceptual design meeting with City of PA
• August 2019 – Site meeting with SFCJPA, City of PA, Bay Trail, and permitting agencies
Meeting Objective

• Provide project background
• Provide problem definition
• Provide alternatives formulation and evaluation
• Discuss next steps
  • CIP Committee, November 18th
  • Full board meeting, January 14th
  • Public meeting presenting Draft Planning Study Report, February 2020

Valley Water
Background

• Tide gates constructed in 1957 by Santa Clara County Flood Control & Water Conservation District, Santa Clara County, and the City of Palo Alto

• Palo Alto Flood Basin (PAFB) controls starting water elevations for Adobe, Barron, and Matadero creeks

• Historically the City of Palo Alto owned gates in the basin before the current structure was built
Ownership

• The City of Palo Alto owns the land for the Palo Alto Flood Basin.
• Valley Water has easements granted in 1967 by City for surrounding creeks and levees, and tide gate structure.
• Valley Water/County did not own property nor have easement on lands when current tide gate structure was constructed.
Timeline: Previous Studies & Repairs

- PAFB Tide Gate Structure leaking reported (2011)
- PAFB Tide Gate Structure Monitoring (2011)
- PAFB Tide Gate Structure Emergency Repairs (2012)
  - Post-emergency repair report to USACE
  - New project initiated to replace structure within 5 years
- PAFB Tide Gate Structure Inspection Report (April 2014)
- Problem Definition/Refined Objectives Report (June 2016)
- PAFB Tide Gate Structure Maintenance Repairs, Incomplete (2017)
- Structural Assessment – replace within 2 years (2017)
- Project transferred to Design and Construction Unit 336 (2018)
Timeline: Work-to-date

• Geotechnical investigation & report (2018)
• Bathymetric survey (2018-2019)
• Project coordination w/ City of PA regarding electrical controls (June 2019)
• Hydraulic analysis of gate design (July 2019)
• Sea Level Rise (SLR) optimization, target 2 feet (July 2019)
• Project coordination/collaboration with stakeholders (2018-2019)
• Problem Definition/Refined Objectives Report (August 2019)
• Draft Planning Study Report (2019)
Tide Gate Structure Condition
Preliminary Design Criteria

• Provide 100-year flood risk reduction for Matadero Creek, Adobe Creek, and Barron Creek.
• Increased capacity for future Sea Level Rise (SLR)
• Located along future Shoreline Levee Project alignment
• Top of structure is 4 feet above the existing levee and consistent with City of Mountain View Shoreline Levee Project (Coast Casey)
• Meet current seismic design standards
• Increase safety and efficiency for future O&M.
• Increase efficiency with 8 side-hinged gates vs 15 top-hinge gates
Side gate versus Top gate efficiency

Video to be played during meeting.
Alternatives Development

• Alternative A: “No Action”

• Alternative B: Construct in basin upstream from existing structure

• Alternative C: Construct in levee next to existing structure
Alternative A: “No Action”

• 62-year old existing structure has structural and hydraulic deficiencies and maintenance is problematic and costly.
• Seismic vulnerabilities (timber piles and liquefiable soils)
• Leaking tide gates
• Holes in the bottom structure slab will worsen
• Spalled concrete and corroded steel reinforcement will worsen
• Does not account for increasing Sea Level Rise (SLR)
• A failed tide gate structure could potentially flood 460 residences, 2 schools, 7 businesses, and Highway 101.
Alternative B: Stage 1 and Stage 2

EXISTING STRUCTURE WILL REMAIN IN USE DURING STAGE 1 AND STAGE 2 CONSTRUCTION

STAGE 1:
- INSTALL DEWATERING SYSTEM
- LEVEE EXCAVATION
- CONSTRUCT FIRST HALF OF PILE FOUNDATION

STAGE 2:
- CONSTRUCT FIRST HALF OF SUPERSTRUCTURE
- CONSTRUCT OUTLET CHANNEL
- RECONSTRUCT NEW LEVEE

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Alternative B: Stage 3 and Stage 4

**STAGE 4:**
- REMOVE EXISTING STRUCTURE
- CONSTRUCT SECOND HALF OF SUPERSTRUCTURE
- CONSTRUCT GROUND IMPROVEMENTS

**STAGE 3:**
- REMOVE DEWATERING SYSTEM
- OPEN FIRST HALF OF NEW STRUCTURE AND OUTLET CHANNEL
- CONSTRUCT DEWATERING SYSTEM FOR NEW AREA
- CONSTRUCT SECOND HALF OF PILE FOUNDATION
Alternative B: Stage 5

STAGE 5:
- CONSTRUCT LEVEE
- REMOVE DEWATERING SYSTEM
Alternative B: Pros and Cons

Pros:
• Maintains existing structure flow direction
• Minimizes excavation for outlet channel

Cons:
• Longer Construction: 5 years instead of 4 years (Alt-C)
  • Assumed greater environmental impacts compared to Alt-C
  • Longer closure of trail: 53 months instead of 41 months (Alt-C)
• Staged construction and increased risk of construction complications
• Higher cost
Alternative C: Stage 1 and Stage 2

**Stage 1:**
- Install de-watering system
- Levee excavation
- Construct pile foundation

**Stage 2:**
- Construct superstructure
- Reconstruct new levee
- Construct outlet channel

Existing structure remains in use during Stage 1 and 2 construction.
Alternative C: Stage 3, Phase 1

- Remove DeWatering System
- Existing structure remains in use during Stage 3, Phase 1 construction.
Alternative C: Stage 3, Phase 2

STAGE 3, PHASE 2:
- CONSTRUCT DEWATERING SYSTEM
- REMOVE EXISTING TIDE GATE STRUCTURE
- CONSTRUCT GROUND IMPROVEMENTS

NEW TIDE GATE STRUCTURE
IN FULL USE DURING STAGE 3, PHASE 2 CONSTRUCTION
Alternative C: Stage 4

STAGE 4:
- COMPLETE GROUND IMPROVEMENTS
- CONSTRUCT NEW LEVEE
- REMOVE DEWATERING SYSTEM
Alternative C: Pros and Cons

Pros:
• Faster Construction: 4 Seasons instead of 5 (Alt-B)
  • Assumed less environmental impacts compared to Alt-B
  • Shorter trail closure duration 41 months instead of 53 months (Alt-B)
• More straightforward construction
• Lower cost construction compared to Alt-B

Cons:
• Additional excavation in the bay to create outlet channel
Alternatives Construction Cost

**Alternative B:** Approximately $37 Million (5 Seasons)

**Alternative C:** Approximately $31.8 Million (4 Seasons)
Proposed Trail Closure and Detour

- Alternative B: Trail closed for 53 months.

- Alternative C: Trail closed for 41 months.
Recommended Alternative

Alternative C: Construct next to existing tide gates
Public Outreach

• Project website (November 2019)
• Planning study level public meeting (February 2020)
• Pre-construction public meeting notice (July 2021)
• Pre-construction public meeting (August 2021)
Project Schedule

• Problem Definition Report: August 2019
• Draft Planning Study Report: November 2019
• 30% Design: Sept. 2019 – March 2020
• 60% Design: March 2020 – September 2020
• 90% Design: September 2020 – Dec. 2020
• 100% Design: Dec. 2020 – March 2021
• Environmental (CEQA/Permitting): Jan. 2019 – March 2021
• Advertise/Award Contract: June 2021 – August 2021
QUESTIONS
COMMITTEE AGENDA MEMORANDUM

Capital Improvement Program Committee

SUBJECT:
Capital Project Monitoring - Design.

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

SUMMARY:
The 2019 Workplan for the Board Capital Improvement Program Committee (Committee) includes monitoring of capital projects during all phases of development. Staff will present a list of active projects at each Committee meeting and provide detailed information on those where potential and/or significant issues have been identified. The projects presented for discussion will be organized by phases: planning/feasibility; design; and construction. Staff will present projects to the Committee for review one phase at a time. Projects currently in the design phase are being presented at this Committee meeting. Other attachments may be included to provide more detail on other items associated with these projects.

Attachment 1 is a list of projects in the design phase. A verbal report will be provided at the meeting with more detailed information about recent developments on the projects listed in Attachment 1.

ATTACHMENTS:
Attachment 1: Capital Project Monitoring - Design

UNCLASSIFIED MANAGER:
Tim Bramer, 408-630-3794
Christopher Hakes, 408-630-3796
Ngoc Nguyen, 408-630-2632
## Capital Project Monitoring Report - December 2019

### Design Phase

<table>
<thead>
<tr>
<th>Row</th>
<th>Project No.</th>
<th>Project Name</th>
<th>Notes, Upcoming Board Actions or potential issues</th>
<th>Planned CM Services</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Internal External Combination</td>
</tr>
<tr>
<td>1</td>
<td>91864005</td>
<td>Anderson Dam Seismic Retrofit</td>
<td>90% design due to be completed by June 2020.</td>
<td>X</td>
</tr>
<tr>
<td>2</td>
<td>91874004</td>
<td>Calero Dam Seismic Retrofit - Design &amp; Construct</td>
<td>90% design due to be completed by September 2020.</td>
<td>X</td>
</tr>
<tr>
<td>3</td>
<td>91894002</td>
<td>Guadalupe Dam Seismic Retrofit - Design &amp; Construct</td>
<td>90% design due to be completed by September 2020.</td>
<td>X</td>
</tr>
<tr>
<td>4</td>
<td>95084002</td>
<td>10-Yr Pipeline Inspection &amp; Rehabilitation Projects: Central Pipeline Santa Clara Conduit Parallel East Pipeline</td>
<td>Central Pipeline: 60% design completed; due to other system maintenance shutdowns, work will be performed in winter 2021. Santa Clara Conduit: 30% design completed in November 2019; Parallel East Pipeline: 60% design complete; construction anticipated to begin in fall of 2020.</td>
<td>X</td>
</tr>
<tr>
<td>5</td>
<td>26764001</td>
<td>IRP2 Additional Line Valves</td>
<td>30% design completed for 3 of 4 additional line valves.</td>
<td>X</td>
</tr>
<tr>
<td>6</td>
<td>93294051</td>
<td>RWTP FRP Residuals Management</td>
<td>Some system improvement elements and RWTP Landscaping will be performed as small capital projects, other elements will be incorporated into the RWTP Residuals Remediation design.</td>
<td>X</td>
</tr>
<tr>
<td>7</td>
<td>93294058</td>
<td>RWTP Residuals Remediation</td>
<td>30% design expected by December 2019.</td>
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</tr>
<tr>
<td>8</td>
<td>91094009</td>
<td>SoCo Recycled Water Pipeline- Short-Term Implementation Phase 1B</td>
<td>On hold until USBR completes NEPA updates. $5.2 million in grant funding.</td>
<td>X</td>
</tr>
<tr>
<td>9</td>
<td></td>
<td>Water Utility Small Capital Projects</td>
<td>Pacheco Pumping Plant Fire Alarm and Suppression System Project to be advertised for construction in January 2020; SVAWPC Storage Building design phase is 90% complete.</td>
<td>X</td>
</tr>
<tr>
<td>10</td>
<td>10394001</td>
<td>Palo Alto Flood Basin Tide Gate Structure Improvements</td>
<td>60% design by September 2020; Draft MND for public review in January 2020.</td>
<td>X</td>
</tr>
<tr>
<td>11</td>
<td>26284002</td>
<td>San Francisquito Creek - Upstream of HW 101</td>
<td>Pope Chaucer design at 60%; Channel design at 90%; Final EIR was certified in October 2019.</td>
<td>X</td>
</tr>
<tr>
<td>12</td>
<td>26074002</td>
<td>Sunnyvale East and West Channels</td>
<td>Permit negotiations are underway; MoA with Google underway.</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>26154003</td>
<td>Guadalupe Rv-Upper, SPRR to Blossom Hill Road (R7-12)</td>
<td>Completed 65% design for Reach 7. Project is on hold. USACE is evaluating total project cost and benefit-cost ratio. District is discussing with USACE options to make the project more competitive for federal funding.</td>
<td>N/A USACE construction</td>
</tr>
<tr>
<td>14</td>
<td>40334005</td>
<td>Lower Penitencia Ck Improvements, Berryessa to Coyote Cks.</td>
<td>90% design completed; Final design in January 2020; Received permits from CDFW and USACE and final draft permit from RWQCB; Planning to advertise construction contract in February 2020.</td>
<td>X</td>
</tr>
<tr>
<td>15</td>
<td>26174051</td>
<td>Llagas Creek–Upper</td>
<td>Phase II: 100% design expected to be completed by January 2020.</td>
<td>X</td>
</tr>
<tr>
<td>16</td>
<td>26444001</td>
<td>San Francisco Bay Shoreline - EIA 11 Design &amp; Part Construction</td>
<td>Reach 1 levee design completed; District obtained R/W for Reach I construction; Reaches 2 and 3: 90% design completed in July 2019; Final design in October 2019; Planning to advertise and award Reach I construction in January 2020. Valley Water was awarded a $57 million grant over five year period.</td>
<td>N/A USACE construction</td>
</tr>
</tbody>
</table>

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**ATTACHMENT 1**

Page 1 of 2
## Design Phase

### Capital Project Monitoring Report - December 2019

<table>
<thead>
<tr>
<th>Row</th>
<th>Project No.</th>
<th>Project Name</th>
<th>Notes, Upcoming Board Actions or potential issues</th>
<th>Planned CM Services</th>
</tr>
</thead>
<tbody>
<tr>
<td>17</td>
<td>62084001</td>
<td>Watershed Asset Rehabilitation Program (WARP)</td>
<td>Design ongoing for the following projects: Erosion repair for Calabazas Creek and Lower Penitencia Creek and concrete repair for Permanente Creek, Hale Creek, and Piedmont Creek; construction for these projects is anticipated to start in 2021.</td>
<td>X</td>
</tr>
<tr>
<td>18</td>
<td>40174005</td>
<td>Berryessa Creek Lower Penitencia to Calevaras Blvd. (Lower Calera Creek)</td>
<td>Final design is expected in February 2020; EIR addendum is being finalized; Planning to advertise construction contract in March 2020.</td>
<td>X</td>
</tr>
<tr>
<td>19</td>
<td>26164001</td>
<td>Hale Creek Enhancement Pilot Study</td>
<td>60% design completed; 90% Design in July; Final design in February 2020.</td>
<td>X</td>
</tr>
<tr>
<td>20</td>
<td>26044002</td>
<td>SCW Fish Passage Improvements at Bolsa Rd</td>
<td>Planning to advertise construction contract in March 2020.</td>
<td>X</td>
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<tr>
<td>21</td>
<td>26044001</td>
<td>Almaden Lake Improvements</td>
<td>Public meeting on Draft EIR is scheduled for January 2020.</td>
<td>X</td>
</tr>
</tbody>
</table>

### Water Resources Stewardship

- 60% design completed; 90% Design in July; Final design in February 2020.
- Planning to advertise construction contract in March 2020.

### Buildings & IT

No projects to report.
COMMITTEE AGENDA MEMORANDUM

Capital Improvement Program Committee

SUBJECT:
Draft Preliminary Capital Improvement Program Fiscal Years 2021-2025.

RECOMMENDATION:
Review and discuss the Draft Preliminary Fiscal Years 2021-2025 Capital Improvement Program and provide recommendations to staff as needed.

SUMMARY:
The purpose of this agenda item is for the Committee to review and discuss the Draft Preliminary Capital Improvement Program (CIP) for Fiscal Years (FY) 2021-2025 (Attachment 1). This version of the document includes the status of existing projects and a list of the newly proposed and, as yet, unfunded projects. Staff is developing project proposals for some of these new projects and will run the financial models and evaluate availability of staff resources to determine the financial capacity and optimal timing to initiate the newly proposed projects.

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

Highlighted below and included in the FY 2021-2025 Preliminary CIP are the significant updates from the prior FY.

Fund 11, General Fund

60204016 Facilities Small Capital Projects: Increase of $1M per FY (from $2M to $3M) is required for remodeling of buildings and grounds and replacement of structural equipment (e.g. roofs, heating and air conditioning systems).

Fund 12, Watershed Stream Stewardship Fund

10394001 Palo Alto Flood Basin Tide Gate Structure Improvement: Increase of $20M in total project cost (TPC), primarily due to increased construction phase costs estimates.

30154019 Guadalupe River Tasman Dr. - I-880: Increase of $95M to TPC, to reflect all future planning, design, construction costs (this project originally only included $1M for the planning effort).
Fund 26, Safe, Clean Water and Natural Flood Protection Fund

26154003 Guadalupe River Upper, SPRR to Blossom Hill Rd (R7-12): Increase of $3M in TPC to correctly reflect future year funding requirements in the project plan.

26174002 Upper Llagas Creek Flood Protection Project: Increase of $60M in TPC to correctly reflect future year funding requirements in the project plan.

26174041 Upper Berryessa Creek, Calaveras Blvd. to I-880 (USACE Coordination): Increase of $6.6M in TPC to correctly reflect future year funding requirements in the project plan.

26204001 Los Gatos Creek Restoration and Flood Protection Project: This project is being removed from the CIP due to project re-scoping by property owner/project partner.

Fund 61, Water Utility Enterprise Fund

91C40375 Land Rights - South County Recycled Water Pipeline: This is a previously validated, unfunded project that is being added to the funded list in the FY 2021-2025 Preliminary CIP. The estimated TPC is $7.6M.

91084020 Calero and Guadalupe Dams Seismic Retrofits - Planning: Increase of $3M in TPC due to unforeseen issues related to the draft EIR; additionally, the overall completion date has been extended by three years.

91214010 Small Capital Improvements, San Felipe Reach 1: Decrease of $15M in TPC due to a revised strategy of future pump replacement in lieu of rebuilding two pumps each year, as was the previous approach. The project team will submit capital projects for validation in future years when the pumps are due for replacement.

92C40415 Almaden Valley Pipeline Replacement: This is a newly validated project and being added to the funded list in the FY 2021-2025 Preliminary CIP. The estimated TPC is $90M. The pipeline is in poor condition with a high risk of failure and will be slip-lined with new steel pipe.

92374005 SCADA Remote Architecture & Communications Upgrade: This project is being removed from the CIP; the planning effort will be budgeted into a Water Utility Operations project for FY21.

93294057 RWTP Reliability Improvement Project: Increase of $16M in TPC due to scheduling issues; construction for the overall project has been extended by 10 months.

Fund 71, Equipment Fund
70004001 New Vehicles/Equipment: Increase of $5.8M in TPC due to revised long-term forecast to reflect organizational staffing increases.

70004002 Replacement Vehicle & Equipment Acquisition: Increase of $4.3M in TPC due to revised long-term forecast.

To receive the Board's feedback and direction, staff will present the Preliminary CIP and any CIP Committee recommendations to the Board during a workshop tentatively scheduled for December 17, 2019. Based on the outcome of the workshop, staff will present an updated Preliminary CIP to the Board for approval on January 14, 2020.

ATTACHMENTS:
Attachment 1: Draft Preliminary FY 2021-2025 CIP
Attachment 2: Draft Preliminary CIP Financial Models

UNCLASSIFIED MANAGER:
Christopher Hakes, 408-630-3796
## Water Supply Projects

### Revenue Sources: Groundwater Charges

#### FY 2021 - 2025 CIP

**Water Supply - Storage**

<table>
<thead>
<tr>
<th>Project Category</th>
<th>Number</th>
<th>Project Name</th>
<th>Actual/ Appropriated thru FY20*</th>
<th>Remaining Cost to Completion</th>
<th>FY21 Plnd Expnd</th>
<th>FY21-35 Project Value</th>
<th>Change from FY20</th>
<th>Project Phase (FY21)</th>
<th>Funded By</th>
</tr>
</thead>
<tbody>
<tr>
<td>B</td>
<td>91854001</td>
<td>Almaden Dam Improvements</td>
<td>14,758</td>
<td>52,689</td>
<td>168</td>
<td>67,447</td>
<td>(2,639)</td>
<td>Des</td>
<td>W-2</td>
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<tr>
<td>A,B</td>
<td>91864005</td>
<td>Anderson Dam Seismic Retrofit (C1)</td>
<td>54,240</td>
<td>494,300</td>
<td>3,740</td>
<td>548,540</td>
<td>(14,743)</td>
<td>Des</td>
<td>W-2/W-5/SCW</td>
</tr>
<tr>
<td>A,B</td>
<td>91084020s</td>
<td>Calero and Guadalupe Dams Seismic Retrosfits</td>
<td>33,122</td>
<td>204,670</td>
<td>3,573</td>
<td>237,792</td>
<td>(2,635)</td>
<td>Plng/Des</td>
<td>W-2</td>
</tr>
<tr>
<td>A,B</td>
<td>91084020</td>
<td>Calero and Guadalupe Dams Seismic Retrosfits - Planning</td>
<td>10,427</td>
<td>2,334</td>
<td>1,565</td>
<td>12,761</td>
<td>3,413</td>
<td>Plng</td>
<td>W-2</td>
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<tr>
<td>A,B</td>
<td>91874004</td>
<td>Calero Dam Seismic Retrofit - Design &amp; Construct</td>
<td>12,711</td>
<td>133,151</td>
<td>1,192</td>
<td>145,862</td>
<td>(3,963)</td>
<td>Design</td>
<td>W-2</td>
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<tr>
<td>A,B</td>
<td>91894002</td>
<td>Guadalupe Dam Seismic Retrofit - Design &amp; Construct</td>
<td>9,884</td>
<td>69,185</td>
<td>816</td>
<td>79,169</td>
<td>(2,085)</td>
<td>Design</td>
<td>W-2</td>
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<tr>
<td>B</td>
<td>91234002</td>
<td>Coyote Pumping Plant ASD Replacement</td>
<td>1,938</td>
<td>13,554</td>
<td>2,755</td>
<td>15,492</td>
<td>(829)</td>
<td>Plng</td>
<td>W-2</td>
</tr>
<tr>
<td>E</td>
<td>91234011</td>
<td>Coyote Warehouse</td>
<td>9,339</td>
<td>293</td>
<td>152</td>
<td>9,632</td>
<td>(113)</td>
<td>Const</td>
<td>W-2/W-5</td>
</tr>
<tr>
<td>B</td>
<td>91214010s</td>
<td>Small Capital Improvements, San Felipe Reach 1-3</td>
<td>7,433</td>
<td>35,883</td>
<td>1,977</td>
<td>43,316</td>
<td>(15,731)</td>
<td>Continuing</td>
<td>W-2/W-5</td>
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</tbody>
</table>

Subtotal: 202,087 2,095,933 55,342 2,298,020 (36,861)

**Water Supply - Transmission**

<table>
<thead>
<tr>
<th>Project Category</th>
<th>Number</th>
<th>Project Name</th>
<th>Actual/ Appropriated thru FY20*</th>
<th>Remaining Cost to Completion</th>
<th>FY21 Plnd Expnd</th>
<th>FY21-35 Project Value</th>
<th>Change from FY20</th>
<th>Project Phase (FY21)</th>
<th>Funded By</th>
</tr>
</thead>
<tbody>
<tr>
<td>B</td>
<td>95084002</td>
<td>10-Year Pipeline Rehabilitation (FY18-FY27)</td>
<td>63,918</td>
<td>47,642</td>
<td>14,911</td>
<td>111,560</td>
<td>(3,168)</td>
<td>Plng/Des/Const</td>
<td>W-2/W-5</td>
</tr>
<tr>
<td>B</td>
<td>92C40415</td>
<td>Almaden Valley Pipeline Replacement Project</td>
<td>0</td>
<td>89,677</td>
<td>668</td>
<td>89,677</td>
<td>89,677</td>
<td>Planning</td>
<td>W-2/W-5</td>
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<tr>
<td>C</td>
<td>92C40357</td>
<td>FAHCE Implementation</td>
<td>0</td>
<td>145,108</td>
<td>4,739</td>
<td>145,108</td>
<td>14,690</td>
<td>Plng</td>
<td>W-2</td>
</tr>
<tr>
<td>C</td>
<td>26764001</td>
<td>IRP2 Additional Line Valves (A3)</td>
<td>1,431</td>
<td>9,722</td>
<td>2,538</td>
<td>11,153</td>
<td>(362)</td>
<td>Design</td>
<td>SCW</td>
</tr>
<tr>
<td>B,C</td>
<td>26564001</td>
<td>Main &amp; Madrone Pipelines Restoration (A1)</td>
<td>17,570</td>
<td>0</td>
<td>0</td>
<td>17,570</td>
<td>0</td>
<td>Const</td>
<td>SCW</td>
</tr>
<tr>
<td>B</td>
<td>92764009</td>
<td>Small Capital Improvements, Raw Water Transmission</td>
<td>1,215</td>
<td>7,384</td>
<td>82</td>
<td>8,599</td>
<td>4,009</td>
<td>Continuing</td>
<td>W-2/W-5</td>
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<tr>
<td>B</td>
<td>94764006</td>
<td>Small Capital Improvements, Treated Water Transmission</td>
<td>178</td>
<td>498</td>
<td>0</td>
<td>676</td>
<td>(217)</td>
<td>Continuing</td>
<td>W-2</td>
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<tr>
<td>B</td>
<td>94084007</td>
<td>Treated Water Isolation Valves</td>
<td>1,272</td>
<td>6,864</td>
<td>83</td>
<td>8,136</td>
<td>(205)</td>
<td>Design</td>
<td>W-2</td>
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<tr>
<td>B</td>
<td>92264001</td>
<td>Vasona Pump Station Upgrade</td>
<td>1,906</td>
<td>21,861</td>
<td>1,419</td>
<td>23,767</td>
<td>(660)</td>
<td>Plng</td>
<td>W-2</td>
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<tr>
<td>F</td>
<td>94084008</td>
<td>Westside Retailer Interties</td>
<td>78</td>
<td>1,922</td>
<td>67</td>
<td>2,000</td>
<td>(61)</td>
<td>Plng</td>
<td>W-2</td>
</tr>
</tbody>
</table>

Subtotal: 90,798 332,298 25,819 423,096 96,309
<table>
<thead>
<tr>
<th>Project Category</th>
<th>Number</th>
<th>Project Name</th>
<th>Actual/Appropriated thru FY20*</th>
<th>Remaining Cost to Completion</th>
<th>FY21 Pnd Expnd</th>
<th>FY21-35 Project Value</th>
<th>Change from FY20</th>
<th>Project Phase (FY21)</th>
<th>Funded By</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water Supply - Treatment</td>
<td>B</td>
<td>PWTP Residuals Management</td>
<td>0</td>
<td>9,743</td>
<td>683</td>
<td>9,743</td>
<td>(307)</td>
<td>FY21 W-2</td>
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<tr>
<td></td>
<td>B</td>
<td>RWTP Residuals Remediation</td>
<td>38,901</td>
<td>19,059</td>
<td>14,032</td>
<td>57,960</td>
<td>(1,954)</td>
<td>Const W-2</td>
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<tr>
<td></td>
<td>B</td>
<td>RWTP Reliability Improvement</td>
<td>207,172</td>
<td>120,725</td>
<td>40,835</td>
<td>327,897</td>
<td>19,184</td>
<td>Const W-2</td>
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<tr>
<td></td>
<td>B</td>
<td>RWTP Treated Water Valves Upgrade</td>
<td>8,476</td>
<td>153</td>
<td>142</td>
<td>8,629</td>
<td>6</td>
<td>Const/Closeout W-2</td>
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<tr>
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<td>B</td>
<td>Small Capital Improvements, Water Treatment</td>
<td>11,353</td>
<td>44,478</td>
<td>3,444</td>
<td>55,831</td>
<td>(3,201)</td>
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<tr>
<td></td>
<td>B</td>
<td>STWTP Filter Media Replacement Project</td>
<td>203</td>
<td>10181</td>
<td>1134</td>
<td>10384</td>
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<td>203</td>
<td>11699</td>
<td>1288</td>
<td>11902</td>
<td>(367)</td>
<td>Planning W-2</td>
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<td>Subtotal:</td>
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<td>266,308</td>
<td>216,038</td>
<td>61,558</td>
<td>482,346</td>
<td>13,042</td>
<td></td>
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</tr>
<tr>
<td></td>
<td>E,F</td>
<td>Land Rights - South County Recycled Water PL</td>
<td>0</td>
<td>7,611</td>
<td>0</td>
<td>7,611</td>
<td>7,611</td>
<td>Planning W-2</td>
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<tr>
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<td>E,F</td>
<td>South County Recycled Water Pipeline</td>
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<td>Water Supply Total:</td>
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<td>2,867,646</td>
<td>163,549</td>
<td>3,478,272</td>
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## Water Supply Projects

### Revenue Sources: Groundwater Charges

**FY 2021 5-Year CIP Data**

<table>
<thead>
<tr>
<th>Project Category</th>
<th>Number</th>
<th>Project Name</th>
<th>Actual/ Appropriated thru FY20*</th>
<th>Remaining Cost to Completion</th>
<th>FY21 Plnd Expnd</th>
<th>FY21-35 Project Value</th>
<th>Change from FY20</th>
<th>Project Phase (FY21)</th>
<th>Funded By</th>
</tr>
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<tbody>
<tr>
<td></td>
<td>A + B</td>
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<tr>
<td></td>
<td></td>
<td>Validated - Future Unfunded Projects</td>
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<tr>
<td>C</td>
<td>92404003</td>
<td>Alamitos Diversion Dam Improvements</td>
<td>837</td>
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<td>W-2</td>
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<td>C</td>
<td>92484003</td>
<td>Coyote Diversion Dam Improvements</td>
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<td>2,460</td>
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<td>Dam Seismic Retrofit at 2 Dams (Chesbro &amp; Uvas)</td>
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<td>89,500</td>
<td>0</td>
<td>89,500</td>
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<td>A,B</td>
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<td>E,F</td>
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<td>So. County Recycled Water New Storage Tank</td>
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<td>W-5</td>
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**Validated - Unfunded Total:** 1,159 590,424 0 502,174 0

### Legend:

- **Black** - Black Text: Continuing projects or projects carried forward from the FY20 CIP
- **Gray** - Gray Text: Individual projects considered part of a group or family of projects
- **Orange** - Orange Text: Projects to be completed or cancelled in FY 2020
- **Green** - Green Text: Projects in the Construction phase
- **Blue** - Blue Text: New projects proposed for the FY 21 CIP

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

**Project Driver:**

- A. Regulatory requirements
- B. Repair or replacement of aging infrastructure
- C. District commitment (SCW, FAHCE)
- D. Water Utility Master Plan "No Regrets"
- E. Board Policy
- F. Discretionary projects as directed by the Board

**# of WS Projects:**

<p>| | |</p>
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<tr>
<td>A. Regulatory requirements</td>
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<tr>
<td>B. Repair or replacement of aging infrastructure</td>
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<tr>
<td>C. District commitment (SCW, FAHCE)</td>
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<td>D. Water Utility Master Plan &quot;No Regrets&quot;</td>
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<td>E. Board Policy</td>
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<td>F. Discretionary projects as directed by the Board</td>
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<td><strong>Total</strong></td>
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### Funded by Legend:

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

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

### FY 2021 - 2025 CIP Data

<table>
<thead>
<tr>
<th>Project Category</th>
<th>Number</th>
<th>Project Name</th>
<th>FY21-35 Project Value</th>
<th>Change from FY20</th>
<th>Project Phase (FY21)</th>
<th>Funded By</th>
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</thead>
<tbody>
<tr>
<td><strong>Lower Peninsula Watershed</strong></td>
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<tr>
<td>B</td>
<td>10394001</td>
<td>Palo Alto Flood Basin Tide Gate Structure Improvements</td>
<td>2,880</td>
<td>1,594</td>
<td>32,765</td>
<td>20,535</td>
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<td>C</td>
<td>10244001s</td>
<td>Permanente Creek, SF Bay to Foothill Expressway</td>
<td>106,407</td>
<td>228</td>
<td>106,657</td>
<td>5,078</td>
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<td>C</td>
<td>10284007s</td>
<td>San Francisquito Creek, SF Bay thru Searsville Dam (E5)</td>
<td>61,968</td>
<td>5,098</td>
<td>88,187</td>
<td>(811)</td>
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<td>171,255</td>
<td>6,920</td>
<td>227,609</td>
<td>24,802</td>
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<td><strong>West Valley Watershed</strong></td>
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<tr>
<td>C</td>
<td>26074002</td>
<td>Sunnyvale East and West Channels</td>
<td>20,025</td>
<td>17,445</td>
<td>70,435</td>
<td>1,508</td>
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<td><strong>Subtotal:</strong></td>
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<td></td>
<td>20,025</td>
<td>17,445</td>
<td>70,435</td>
<td>1,508</td>
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<td><strong>Guadalupe Watershed</strong></td>
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<td>B</td>
<td>30114002</td>
<td>Canoas Creek, Rodent Damage Repair</td>
<td>6,887</td>
<td>6,887</td>
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<td>30154019</td>
<td>Guadalupe River Tasman Dr - I-880</td>
<td>1,081</td>
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<td>96,218</td>
<td>95,218</td>
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<td>C</td>
<td>26154001s</td>
<td>Guadalupe River–Upper, I-280 to Blossom Hill Road (E8)</td>
<td>111,521</td>
<td>9,975</td>
<td>169,585</td>
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<td>119,489</td>
<td>13,280</td>
<td>272,690</td>
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*Values last updated: 11/26/19 (All values are in thousands)*
# Flood Protection Projects

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

## FY 2021 5-Year CIP Data

<table>
<thead>
<tr>
<th>Project Category</th>
<th>Number</th>
<th>Project Name</th>
<th>Actual Appropriated thru FY20*</th>
<th>Remaining Cost to Completion</th>
<th>FY21 Plnd Expnd</th>
<th>FY21-35 Project Value</th>
<th>Change from FY20</th>
<th>Project Phase (FY21)</th>
<th>Funded By</th>
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<tbody>
<tr>
<td>Coyote Watershed</td>
<td>C 26174041s</td>
<td>Berryessa Creek, Calaveras Boulevard to Interstate 680</td>
<td>54,531</td>
<td>50</td>
<td>50</td>
<td>54,581</td>
<td>6,632</td>
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<td>CSC</td>
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<td>E 40174004s</td>
<td>Berryessa Ck, Lower Penitencia Ck to Calaveras Blvd</td>
<td>121,163</td>
<td>74,122</td>
<td>1,691</td>
<td>195,285</td>
<td>-1,996</td>
<td>Des/Const</td>
<td>PT</td>
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<td>C 26174043</td>
<td>Coyote Creek, Montague Expressway to Tully Road (E3)</td>
<td>13,929</td>
<td>24,900</td>
<td>1,024</td>
<td>38,829</td>
<td>(2,278)</td>
<td>Ping/Des</td>
<td>CSC</td>
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<td></td>
<td>E 40264011</td>
<td>Cunningham Flood Detention Certification</td>
<td>11,487</td>
<td>32</td>
<td>32</td>
<td>11,519</td>
<td>0</td>
<td>Construction</td>
<td>PT</td>
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<td>E 40334005</td>
<td>Lower Penitencia Ck Improvements, Berryessa to Coyote Cks.</td>
<td>17,460</td>
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<td>27,812</td>
<td>975</td>
<td>Des/Const</td>
<td>PT</td>
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<td>E 40264007s</td>
<td>Lower Silver Creek, I-680 to Cunningham (Reach 4-6)</td>
<td>101,525</td>
<td>322</td>
<td>209</td>
<td>101,847</td>
<td>44</td>
<td>Construction</td>
<td>Subvent</td>
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<tr>
<td></td>
<td>C 40324003s</td>
<td>Upper Penitencia Creek, Coyote Creek to Dorel Drive</td>
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<td>38,988</td>
<td>0</td>
<td>52,734</td>
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<td>PT/SCW</td>
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<td>Uvas/Llagas Watershed</td>
<td>B 50284010</td>
<td>Llagas Creek–Lower, Capacity Restoration, Buena Vista Road to Pajaro River</td>
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<td>861</td>
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<td>Design</td>
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<td>C 26174051s</td>
<td>Llagas Creek–Upper, Buena Vista Avenue to Llagas Road</td>
<td>119,762</td>
<td>164,665</td>
<td>47,658</td>
<td>284,427</td>
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<td>Construction</td>
<td>CSC/SCW</td>
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<td><strong>Subtotal</strong></td>
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<td></td>
<td>123,900</td>
<td>174,279</td>
<td>48,519</td>
<td>298,179</td>
<td>61,028</td>
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<td>Multiple Watershed</td>
<td>C 00044026s</td>
<td>San Francisco Bay Shoreline (E7)</td>
<td>43,620</td>
<td>48,935</td>
<td>18,470</td>
<td>92,555</td>
<td>(2,516)</td>
<td>Const</td>
<td>PT</td>
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<td>C 00044026</td>
<td>San Francisco Bay Shoreline</td>
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<td>C 26444001</td>
<td>San Francisco Bay Shoreline - EIA 11 Design &amp; Partial Construction (E7)</td>
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<td>0</td>
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<td>Des/Const</td>
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<td>C 26444002</td>
<td>San Francisco Bay Shoreline - Other EIAs Planning (E7)</td>
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<td>630</td>
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<td>B 62084001</td>
<td>Watersheds Asset Rehabilitation Program</td>
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<td>177,038</td>
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</table>
PRELIMINARY FY21 - 25 CIP

Flood Protection Projects
Revenue Sources: COP Proceeds, CSC Special Tax, Property Tax, Subventions

<table>
<thead>
<tr>
<th>Project Category</th>
<th>Number</th>
<th>Project Name</th>
<th>Actual Appropriated thru FY20*</th>
<th>Remaining Cost to Completion</th>
<th>FY21 Plnd Expnd</th>
<th>FY21-35 Project Value</th>
<th>Change from FY20</th>
<th>Project Phase (FY21)</th>
<th>Funded By</th>
</tr>
</thead>
</table>

Values last updated: 11/26/19 (All values are in thousands)

Validated - Future Unfunded Projects
None

Validated - Unfunded Total: 0

Legend:
- **Black** - Black Text: Continuing projects or projects carried forward from the FY20 CIP
- **Orange** - Orange Text: Projects to be completed or cancelled in FY 2019
- **Green** - Green Text: Projects in the Construction phase
- **Blue** - Blue Text: New projects proposed for the FY 21 CIP
- ***** - Column A: Actuals spent through prior year + planned expenditures in current year

Project Driver:
- A. Regulatory requirements: 0
- B. Repair or replacement of aging infrastructure: 6
- C. District commitment (SCW, FAHCE): 12
- D. Water Utility Master Plan "No Regrets": 0
- E. Board Policy: 4
- F. Discretionary projects as directed by the Board: 0

# of FP Projects: 22

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

ATTACHMENT 1
Page 6 of 11
## Preliminary FY21 - 25 CIP

### Water Resources Stewardship Projects

**Revenue Sources:** Groundwater Charges, Property Tax, Subventions

**FY 2021 5-Year CIP Data**

<table>
<thead>
<tr>
<th>Project Category</th>
<th>Project Name</th>
<th>FY21 Plnd Expnd</th>
<th>FY21-35 Project Value</th>
<th>Change from FY20</th>
<th>FY21 Plnd Expnd</th>
<th>FY21-35 Project Value</th>
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<th>FY21 Plnd Expnd</th>
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<tr>
<td>Category</td>
<td>Number</td>
<td>Actual/Appropriated thru FY20*</td>
<td>Remaining Cost to Completion</td>
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<td>B</td>
<td>A + B</td>
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<td>FY 2021 - 2025 CIP</td>
<td>Mitigation (All Mitigation projects are required per CEQA or other Regulation and therefore do not receive a score)</td>
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<td>A</td>
<td>62184001 SMP Mitigation, Stream and Watershed Land Preservation</td>
<td>16,164</td>
<td>471</td>
<td>471</td>
<td>16,635</td>
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<td>16,164</td>
<td>471</td>
<td>471</td>
<td>16,635</td>
<td>(134)</td>
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<td>Environmental Enhancement &amp; Stewardship</td>
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</tr>
<tr>
<td>Lower Peninsula Watershed</td>
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<td></td>
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<tr>
<td>C</td>
<td>00294001s Stevens Creek Fish Passage Enhancement D4.x</td>
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<td></td>
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<tr>
<td>C</td>
<td>26044001 Almaden Lake Improvements (D4.1a)</td>
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<td>25,631</td>
<td>8,833</td>
<td>31,337</td>
<td>(159)</td>
<td>Des</td>
<td>CSC/SCW</td>
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<tr>
<td>C</td>
<td>26044002 SCW Implementation Fund</td>
<td>0</td>
<td>3,529</td>
<td>0</td>
<td>3,529</td>
<td>0</td>
<td>Ping</td>
<td>SCW</td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>26044001 Ogier Ponds Separation from Coyote Creek (D4.1b)</td>
<td>1,442</td>
<td>1,541</td>
<td>1,541</td>
<td>2,983</td>
<td>(215)</td>
<td>Planning</td>
<td>SCW</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Subtotal: 23,238</td>
<td>116,708</td>
<td>15,130</td>
<td>139,946</td>
<td>(2,953)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Multiple Watersheds (Lower Peninsula, Guadalupe, Coyote, Uvas/Llagas)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
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</tr>
<tr>
<td>C</td>
<td>20444001s Salt Ponds A5-11 Restoration</td>
<td>4,980</td>
<td>6,857</td>
<td>579</td>
<td>11,837</td>
<td>(275)</td>
<td>Planning</td>
<td>PT/SCW</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>C</td>
<td>26044002 SCW Fish Passage Improvements (D4.3; Bolsa, Evelyn, Singleton)</td>
<td>5,327</td>
<td>0</td>
<td>0</td>
<td>5,327</td>
<td>(1)</td>
<td>Const</td>
<td>SCW</td>
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<td>C</td>
<td>26C40370 SCW Implementation Fund</td>
<td>0</td>
<td>3,529</td>
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<td>0</td>
<td>Ping</td>
<td>SCW</td>
<td></td>
<td></td>
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<tr>
<td>C</td>
<td>26044003 Ogier Ponds Separation from Coyote Creek (D4.1b)</td>
<td>1,442</td>
<td>1,541</td>
<td>1,541</td>
<td>2,983</td>
<td>(215)</td>
<td>Planning</td>
<td>SCW</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Subtotal: 23,238</td>
<td>116,708</td>
<td>15,130</td>
<td>139,946</td>
<td>(2,953)</td>
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<td></td>
<td></td>
<td></td>
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<td></td>
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</tr>
<tr>
<td>Feasibility Studies</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>C</td>
<td>62044001 Watershed Habitat Enhancement Studies</td>
<td>2,696</td>
<td>0</td>
<td>0</td>
<td>2,696</td>
<td>403</td>
<td>Planning</td>
<td>Feasibility</td>
<td>PT</td>
<td></td>
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<tr>
<td></td>
<td>Subtotal: 2,696</td>
<td>0</td>
<td>0</td>
<td>2,696</td>
<td>403</td>
<td></td>
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<td></td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water Resources Stewardship Total:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>42,098</td>
<td>117,179</td>
<td>15,601</td>
<td>159,277</td>
<td>(2,684)</td>
</tr>
</tbody>
</table>
## Water Resources Stewardship Projects

Revenue Sources: Groundwater Charges, Property Tax, Subventions

<table>
<thead>
<tr>
<th>Project Category</th>
<th>Number</th>
<th>Project Name</th>
<th>Actual/Appropriated thru FY20*</th>
<th>Remaining Cost to Completion</th>
<th>FY20 Pldnd Expnd</th>
<th>FY21-35 Project Value</th>
<th>Change from FY20</th>
<th>Project Phase (FY21)</th>
<th>Funded By</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stewardship</td>
<td>None</td>
<td></td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

Validated - Unfunded Total: 0 0 0 0 0

### NOTES:

1. Implementation of the Mitigation projects is considered non-discretionary since they are needed to meet California Environmental Quality Act (CEQA) or regulatory commitments. Therefore, a priority score is not required.

2. Environmental Enhancement projects are implemented at the discretion of the Board. Projects may go through a ranking process to compete for CSC funds or the board may direct that other available revenue be used to implement the proposed projects.

### Legend:

- **Black**: Continuing projects or projects carried forward from the FY20 CIP
- **Orange**: Projects to be completed or cancelled in FY 2020
- **Green**: Projects in the Construction phase
- **Blue**: New projects proposed for the FY 21 CIP

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

### Project Driver:

- **A. Regulatory requirements**: 1
- **B. Repair or replacement of aging infrastructure**: 0
- **C. District commitment (SCW, FAHCE)**: 7
- **D. Water Utility Master Plan "No Regrets"**: 0
- **E. Board Policy**: 0
- **F. Discretionary projects as directed by the Board**: 2

### # of WRS Projects:

<table>
<thead>
<tr>
<th><strong>Legend</strong></th>
<th><strong>Project Driver</strong></th>
<th><strong># of WRS Projects</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>A. Regulatory requirements</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>B. Repair or replacement of aging infrastructure</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>C. District commitment (SCW, FAHCE)</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>D. Water Utility Master Plan &quot;No Regrets&quot;</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>E. Board Policy</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>F. Discretionary projects as directed by the Board</td>
<td>2</td>
</tr>
</tbody>
</table>

### Funded by Legend:

- **W-2**: North Zone; revenue is allocated based on % of benefit to the zone
- **W-5**: South Zone; revenue is allocated based on % of benefit to the zone
- **CSC**: funded by revenue from Clean Safe Creeks program
- **SCW**: funded by revenue from Safe Clean Water program
- **PT**: funded by revenue from Property Tax
- **Subvent**: funded by State Subventions
## Buildings and Grounds Projects

**Revenue Source:** Groundwater Charges, Property Tax

### FY 2021 - 2025 CIP Data

<table>
<thead>
<tr>
<th>Project Category</th>
<th>Number</th>
<th>Project Name</th>
<th>Actual/Appropriated thru FY20*</th>
<th>Remaining Cost to Completion</th>
<th>FY21 Plnd Expnd</th>
<th>FY21-35 Project Value</th>
<th>Change from FY20</th>
<th>Project Phase (FY21)</th>
<th>Funded By</th>
<th>WUE %</th>
<th>WSS %</th>
<th>SCW %</th>
</tr>
</thead>
<tbody>
<tr>
<td>B</td>
<td>60204016</td>
<td>Facility Management, Small Capital Improvements</td>
<td>2,063</td>
<td>30,000</td>
<td>3,000</td>
<td>32,063</td>
<td>(5,855)</td>
<td>Continuing</td>
<td>PT-W-2/W-5</td>
<td>60%</td>
<td>40%</td>
<td>0%</td>
</tr>
<tr>
<td>F</td>
<td>60204032</td>
<td>Headquarters Operations Building</td>
<td>19</td>
<td>16,396</td>
<td>0</td>
<td>16,415</td>
<td>607</td>
<td>On Hold</td>
<td>PT-W-2/W-5</td>
<td>60%</td>
<td>40%</td>
<td>0%</td>
</tr>
</tbody>
</table>

**Buildings & Grounds Total:**

- Actual: 2,082
- Appropriated: 46,396
- Remaining: 3,000
- Project Value: 48,478
- Change from FY20: (5,248)

### Validated - Future Unfunded Projects

| F 60C40363 | Fleet and Facility Annex Improvements | 0 | 4,719 | 0 | 4,719 | 0 | PT-W-2/W-5 | 60% | 40% | 0% |

**Validated - Unfunded Total:**

- 0
- 4,719
- 0
- 4,719
- 0

### Legend:

- **Black** - Black Text: Continuing projects or projects carried forward from the FY20 CIP
- **Orange** - Orange Text: Projects to be completed or cancelled in FY 2020
- **Green** - Green Text: Projects in the Construction phase
- **Blue** - Blue Text: New projects proposed for the FY 21 CIP
- **** - Column A: Actuals spent through prior year + planned expenditures in current year

### Funded by Legend:

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

### Project Driver:

- **A. Regulatory requirements** | 0
- **B. Repair or replacement of aging infrastructure** | 1
- **C. District commitment (SCW, FAHCE)** | 0
- **D. Water Utility Master Plan "No Regrets"** | 0
- **E. Board Policy** | 0
- **F. Discretionary projects as directed by the Board** | 2

### # of B&G Projects

- 3
## Information Technology Projects

Revenue Source: Groundwater Charges, Property Tax

<table>
<thead>
<tr>
<th>Project Category</th>
<th>Number</th>
<th>Project Name</th>
<th>Actual Appropriated thru FY20*</th>
<th>Remaining Cost to Completion</th>
<th>FY21 Plnd Expnd</th>
<th>FY21-35 Project Value</th>
<th>Change from FY20</th>
<th>Project Phase (FY21)</th>
<th>Funded By</th>
<th>WUE %</th>
<th>WSS %</th>
<th>SCW %</th>
</tr>
</thead>
<tbody>
<tr>
<td>FY 2021 - 2025 CIP</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>F</td>
<td>73274009</td>
<td>Data Consolidation</td>
<td>1,083</td>
<td>152</td>
<td>75</td>
<td>1,235</td>
<td>(4)</td>
<td>Construction</td>
<td>PT/W-2/W-5</td>
<td>65</td>
<td>35</td>
<td>0</td>
</tr>
<tr>
<td>F</td>
<td>73274011</td>
<td>E-Discovery Management System</td>
<td>561</td>
<td>0</td>
<td>0</td>
<td>561</td>
<td>16</td>
<td>Construction</td>
<td>PT/W-2/W-5</td>
<td>65</td>
<td>35</td>
<td>0</td>
</tr>
<tr>
<td>B, E</td>
<td>73274001</td>
<td>IT Disaster Recovery</td>
<td>1,450</td>
<td>1,013</td>
<td>801</td>
<td>2,463</td>
<td>(32)</td>
<td>Construction</td>
<td>PT/W-2/W-5</td>
<td>65</td>
<td>35</td>
<td>0</td>
</tr>
<tr>
<td>B</td>
<td>73274002</td>
<td>ERP System Implementation</td>
<td>11,247</td>
<td>6,131</td>
<td>5,618</td>
<td>17,378</td>
<td>(1,292)</td>
<td>Construction</td>
<td>PT/W-2/W-5</td>
<td>65</td>
<td>35</td>
<td>0</td>
</tr>
<tr>
<td>B</td>
<td>73274012</td>
<td>Telephone System Voiceover IP</td>
<td>1,116</td>
<td>132</td>
<td>132</td>
<td>1,248</td>
<td>(4)</td>
<td>Des/Const</td>
<td>PT/W-2/W-5</td>
<td>65</td>
<td>35</td>
<td>0</td>
</tr>
<tr>
<td>B</td>
<td>73274008</td>
<td>Software Upgrades &amp; Enhancements</td>
<td>3,184</td>
<td>13,887</td>
<td>872</td>
<td>17,071</td>
<td>(503)</td>
<td>Des/Const</td>
<td>PT/W-2/W-5</td>
<td>65</td>
<td>35</td>
<td>0</td>
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<tr>
<td>B</td>
<td>95274003</td>
<td>WTP-WQL Network Equipment</td>
<td>2,908</td>
<td>9,155</td>
<td>0</td>
<td>12,063</td>
<td>(288)</td>
<td>Construction</td>
<td>PT/W-2/W-5</td>
<td>100</td>
<td>0</td>
<td>0</td>
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<tr>
<td>B</td>
<td>95074039</td>
<td>Capital Construction Mgmt System</td>
<td>100</td>
<td>1,143</td>
<td>1,033</td>
<td>1,243</td>
<td>159</td>
<td>Plng/Des/Const</td>
<td>PT/W-2/W-5</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

**Information Technology Total**: 21,649 31,613 8,531 53,262 (1,948)

**Validated - Future Unfunded Projects**

| None | 0 | 0 | 0 | 0 |

**Validated - Unfunded Total**: 0 0 0 0

**Legend**:
- Black: Continuing projects or projects carried forward from the FY 20 CIP
- Orange: Projects to be completed or cancelled in FY 2020
- Green: Projects in the Construction phase
- Blue: New projects proposed for the FY 21 CIP

**Project Driver**:
- A. Regulatory requirements: 0
- B. Repair or replacement of aging infrastructure: 5
- C. District commitment (SCW, FAHCE): 0
- D. Water Utility Master Plan "No Regrets": 0
- E. Board Policy: 1
- F. Discretionary projects as directed by the Board: 2

**# of IT Projects**: 8
### Information Technology Projects

**Revenue Source:** Groundwater Charges, Property Tax

<table>
<thead>
<tr>
<th>Project Category</th>
<th>Number</th>
<th>Project Name</th>
<th>Actual Appropriated thru FY20*</th>
<th>Remaining Cost to Completion</th>
<th>FY21 Plnd Expnd</th>
<th>FY21-35 Project Value</th>
<th>Change from FY20</th>
<th>Project Phase (FY21)</th>
<th>Funded By</th>
<th>WUE %</th>
<th>WSS %</th>
<th>SCW %</th>
</tr>
</thead>
</table>

Values last updated: 11/26/19 (All values are in thousands)

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

**CIP GRAND TOTAL:**

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,524,521</td>
<td>3,835,881</td>
<td>318,525</td>
<td>5,360,402</td>
<td>1,511,671</td>
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**PROJECT DRIVER TOTALS:**

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>28</td>
<td>23</td>
<td>0</td>
<td>8</td>
<td>7</td>
</tr>
</tbody>
</table>

77
Water Utility Enterprise Fund

Financially healthy but facing several upward pressures on water rates

- Draft Baseline Case (Scenario 9) shown
  - Also includes $90M for AVP replacement

- Upward pressure on water rates not shown includes:
  - Delta Conveyance (incremental SWP to cover CVP portion)
  - Pacheco Reservoir Expansion without $250M WIIN funds
  - Lower water usage forecast
Watershed and Stream Stewardship Fund
Reserves fall below minimum levels in FY 25

**Projection**

- Includes $96M Guadalupe River Project (Tasman Dr. to I880)
- Does not include backlog of O&M activities

<table>
<thead>
<tr>
<th>Fiscal Year</th>
<th>Total Reserves excl. enc.</th>
<th>Total Revenue + Xfers In</th>
<th>Operating Exp. + Xfers Out</th>
</tr>
</thead>
<tbody>
<tr>
<td>FY17</td>
<td>$100</td>
<td>$80</td>
<td>$60</td>
</tr>
<tr>
<td>FY18</td>
<td>$120</td>
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<td>$60</td>
<td>$40</td>
</tr>
<tr>
<td>FY22</td>
<td>$60</td>
<td>$40</td>
<td>$20</td>
</tr>
<tr>
<td>FY23</td>
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<td>$20</td>
<td>$0</td>
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<tr>
<td>FY24</td>
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<td></td>
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</tr>
<tr>
<td>FY30</td>
<td>$0</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Safe, Clean Water Fund
Projecting small surplus at end of Safe Clean Water Program

Projection

- Assumes $100M NRCS Reimbursements for Upper Llagas Creek
- Assumes receipt of $20M in outside funding sources from grants and partnerships for San Francisquito Creek
COMMITTEE AGENDA MEMORANDUM

Capital Improvement Program Committee

SUBJECT:
Receive Updated Analysis Regarding the Capital Improvement Program Committee’s Recommended Funding Scenario for Safe, Clean Water and Natural Flood Protection Program Flood Protection Projects.

RECOMMENDATION:
A. Receive updated analysis regarding the Capital Improvement Program (CIP) Committee’s recommended funding scenario for Safe, Clean Water and Natural Flood Protection Program (Safe, Clean Water Program) Flood; and
B. Protection Projects; and Provide feedback to staff, as necessary.

SUMMARY:
Background

On November 18, 2019, the CIP Committee received updates on the following flood protection projects in the Safe, Clean Water Program:
  a. Coyote Creek
  b. Upper Penitencia Creek
  c. Upper Llagas Creek
  d. Upper Guadalupe River

After receiving the project updates, the CIP Committee reviewed potential funding scenarios and approved a recommendation to the Board to proceed with Scenario 2 (Attachment 1).

The CIP Committee recommended Scenario 2 as the best option because it allows each project to advance, while maximizing flood protection provided to the community with the available Safe, Clean Water Program funding.

After receiving the committee’s recommendation and in preparation for presentation to the full Board, staff performed additional analysis regarding Funding Scenario 2 in relation to the Safe, Clean Water Program’s Change Control Process, which serves as a guideline for making changes to the Program (Attachment 2).

According to the Change Control Process, a public hearing is required before action can be taken to modify a project key performance indicator (KPI). Also, when transfer or reallocation of funding between projects impacts a KPI, such action requires a public hearing be conducted in order to
modify the KPI.

Scenario 2 is summarized below along with staff’s updated Change Control Process analysis that indicates whether a public hearing is required for each project.

**Scenario 2 - Summary and Analysis by Flood Protection Project**

**Coyote Creek**

Summary: Recommended Scenario 2 proposes to reallocate $23 million in funding from the Upper Penitencia Creek Flood Protection Project (Upper Penitencia Creek Project) to the Coyote Creek Flood Protection Project (Coyote Creek Project). This reallocation will increase the Coyote Creek Project allocation to $51 million, conservatively addressing the estimated remaining costs to build the preferred project.

Analysis: A public hearing is **not required** as reallocating funding to the project will financially support the cost of constructing the preferred project KPI.

**Upper Penitencia Creek**

Summary: The remaining allocation of $24 million for the Upper Penitencia Creek Project will be sufficient to proceed with Phase I of the project, which addresses the local-funding only KPI and Phase II of the project, which is part of the preferred project. This will maximize the flood protection for the community, as the two phases combined will protect 1,250 parcels.

Analysis: A public hearing is **not required** as reallocating funding to the Coyote Creek Project will not impact the delivery of the local-funding only KPI. The local-funding only KPI could be modified to reflect the addition of the Phase II reaches; however, staff is not recommending doing so. Pursuant to this funding scenario, Valley Water already plans to deliver the existing locally-funded option as well as build the reaches of the preferred project that can be constructed with the available funding.

**Upper Llagas Creek**

Summary: Scenario 2 also proposes moving forward with construction of the Upper Llagas Creek Flood Protection Project (Upper Llagas Creek Project) with the remaining secured funds by constructing Phase 2.a., which entails constructing the tunnel. The primary objective of the project is to plan, design and construct improvements along 13.9 miles of Upper Llagas Creek from Buena Vista Avenue in Gilroy to Llagas Road in Morgan Hill, including West Little Llagas Creek in downtown Morgan Hill. Flood protection will be provided to the community once the preferred project is fully constructed.

Analysis: A public hearing **is required**. Constructing the tunnel will fully utilize the remaining local funding, thus impacting the ability to fully construct Reach 7, which is the current local-funding only KPI. Based upon this, staff plans to propose a modification to the local-funding only KPI that increases the length of the project to be built by the available local funds from approximately 2.9 miles to 4.9 miles, in addition to constructing the onsite compensatory mitigation. Besides getting the most out of the available local dollars, this approach keeps the project moving forward, shortens the construction window without inducing flooding downstream and maximizes the potential for external
funding opportunities. This modification also reflects the improved collaboration with the regulatory permitting agencies that required early mitigation for the project’s impacts.

Upper Guadalupe River
Summary: Scenario 2 proposes fully utilizing the remaining allocation for the Upper Guadalupe River Flood Protection Project to construct Reaches 7 and 8 of the Project at a 50-year level of protection while constructing the bridges at a 100-year level (1% flood protection). This will allow Valley Water to maintain its partnership with the U.S. Army Corps of Engineers while moving forward with delivering a substantially improved level of flood protection to the community, as those reaches currently only have the capacity to contain a 5-year level event.

Analysis: A public hearing is required. Scenario 2 proposes modifying the local-funding only KPI, which in summary, currently requires construction of Reach 7 at the 100-year or 1% flood protection level.

Next Steps
Staff will present the project updates and funding scenarios to the full Board during a special board meeting on December 17, 2019. Should the Board decide to proceed with Scenario 2, this will require that the Board set the time and place for a public hearing to modify the local-funding only KPIs for the Upper Llagas Creek and Upper Guadalupe River flood protection projects. To align with the development of the Fiscal Years 2021-2025 CIP and the Budget process, staff plans to recommend that the Board set the public hearing for January 14, 2020, at 1:00 p.m.

Should the Board direct staff to proceed with the public hearing, a public notice ad will be published in compliance with California Government Code Section 6066.

ATTACHMENTS:
Attachment 1: Funding Scenarios
Attachment 2: Change Control Process

UNCLASSIFIED MANAGER:
Melanie Richardson, 408-630-2035
Nina Hawk, 408-630-2736
<table>
<thead>
<tr>
<th>Program Priority</th>
<th>Flood Protection Projects</th>
<th>KPIs or Additional Alternatives</th>
<th>Estimated Remaining Cost</th>
<th>Current Remaining Secured Funding (incl. planned future yrs) (All Funds)</th>
<th>Potential Shortfall or Available Funds</th>
<th>Current Status</th>
<th>Scenario 1</th>
<th>Scenario 2</th>
<th>Scenario 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>E4</td>
<td>Upper Peninsular Creek</td>
<td>KPI #1: Preferred Project</td>
<td>Provide flood protection to 1,300 homes, 500 businesses, and 1,500 agricultural acres, while improving stream habitat. (Phases 1 and 2)</td>
<td>TBD</td>
<td>N/A</td>
<td>No change</td>
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<tr>
<td></td>
<td></td>
<td>KPI #2: Local-funding only</td>
<td>Provide 100-year flood-protection for Reach 7 only (up to W. Dunne Avenue in Morgan Hill). A limited number of homes and businesses will be protected. (Portions of Reach 7 are included in Phases 1 and 2)</td>
<td>TBD</td>
<td>N/A</td>
<td>No change</td>
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<td></td>
<td></td>
<td></td>
<td>Phase 1 (C7M) + Phase II (C5M) + Phase III (C43M)</td>
<td>$47M</td>
<td>($24M)</td>
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<td>$24M</td>
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<tr>
<td></td>
<td>Coyote Creek</td>
<td>KPI #1: Preferred Project</td>
<td>Construct a flood-protection project to provide 1% flood protection to 5,000 homes, businesses and public buildings. (Phase 1-3 (Reach 1-7), combined protects 8,000 parcels)</td>
<td>Phase 1 (C7M) + Phase II (C5M) + Phase III (C43M)</td>
<td>$47M</td>
<td>($24M)</td>
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<td>KPI #2: Local-funding only</td>
<td>Acquire all necessary rights-of-way and construct a 1% flood-protection project from Coyote Creek confluence to King Road. (Phase 1 - Reach 3, protected 450 parcels)</td>
<td>Phase 1 (C7M) + Phase II (C5M) + Phase III (C43M)</td>
<td>$47M</td>
<td>($24M)</td>
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<tr>
<td>E6</td>
<td>Upper Lagunas Creek</td>
<td>KPI #1: Preferred Project</td>
<td>Construct flood-protection project to provide 1% flood protection to 800 homes, businesses and 1,300 agricultural acres, while improving stream habitat. (Phases 1 and 2)</td>
<td>TBD</td>
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<td>KPI #2: Local-funding only</td>
<td>Provide 100-year flood-protection for Reach 7 only (up to W. Dunne Avenue in Morgan Hill). A limited number of homes and businesses will be protected. (Portions of Reach 7 are included in Phases 1 and 2)</td>
<td>TBD</td>
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<td></td>
<td>Phase 1 - Reach 4, 5, 7A (Buena Vista Ave to Hwy 101 in San Martin and from Monterrey Rd to Watsonville Rd in Morgan Hill)</td>
<td>$83.8M (combined construction)</td>
<td>$31M</td>
<td>$25M</td>
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<td>Phase 2 - Reach 5 (portion), 6, 7B, 8 and 14 (Hwy 101 to Monterrey Rd in San Martin, from Watsonville Rd to Upper Penirtencia Morgan Hill, and from Sycamore Ave to approx. Hwy 101 in San Martin)</td>
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<td>Additional Alternatives</td>
<td>Construct Phase I and Phase II, combined protects 1,250 parcels (Reachs 2 and 3 - King Rd to Capital, protects 800 parcels)</td>
<td>Phase 1 (C7M) + Phase II (C5M) + Phase III (C43M)</td>
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<td>KPI #1: Preferred Project</td>
<td>Construct flood protection projects along 4,100 feet of Guadalupe River between Southern Pacific Railroad (SPR) crossing, downstream of Padre Drive (Reach 7). Flood damage will be reduced; however, protection from the USF flood is not provided until completion of the entire Upper Guadalup River Project.</td>
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<td>KPI #2: Local-funding only</td>
<td>Acquire all necessary rights-of-way and construct a 1% flood-protection project from Coyote Creek confluence to King Road. (Phase 1 - Reach 3, protected 450 parcels)</td>
<td>TBD</td>
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<tr>
<td></td>
<td>Coyote Creek</td>
<td>KPI #1: Preferred Project</td>
<td>Construct flood-protection project to provide 1% flood protection to 6,280 homes, 320 businesses and 10 schools and institutions.</td>
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**Effective Dates:**
- **Scenario 1:** TBD
- **Scenario 2:** TBD
- **Scenario 3:** TBD

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**Potential Scenarios for Board Consideration**

- **Scenario 1:** TBD
- **Scenario 2:** TBD
- **Scenario 3:** TBD

---

**Current Status:**
- **Scenario 1:** TBD
- **Scenario 2:** TBD
- **Scenario 3:** TBD

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**Current Remaining Secured Funding (incl. planned future yrs) (All Funds):**
- **Scenario 1:** TBD
- **Scenario 2:** TBD
- **Scenario 3:** TBD

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**Potential Shortfall or Available Funds:**
- **Scenario 1:** TBD
- **Scenario 2:** TBD
- **Scenario 3:** TBD

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**Estimated Remaining Cost:**
- **Scenario 1:** TBD
- **Scenario 2:** TBD
- **Scenario 3:** TBD

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**KPIs or Additional Alternatives:**
- **Scenario 1:** TBD
- **Scenario 2:** TBD
- **Scenario 3:** TBD

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**Program Priority:**
- **Scenario 1:** TBD
- **Scenario 2:** TBD
- **Scenario 3:** TBD

---

**Flood Protection Projects:**
- **Scenario 1:** TBD
- **Scenario 2:** TBD
- **Scenario 3:** TBD

---

**Funding Scenarios:**
- **Scenario 1:** TBD
- **Scenario 2:** TBD
- **Scenario 3:** TBD
Safe, Clean Water and Natural Flood Protection Program
Change Control Process
Change Control Processes

- Adjustments v. Modifications
- Processes for Adjustments
- Process for Modifications/Non-implementation
## Adjustments v. Modifications

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<tr>
<th>Types of Changes</th>
<th>Adjustments</th>
<th>Modifications</th>
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<tr>
<td>Text</td>
<td>Edits to text for correction of grammatical errors, information/data updates, and overall readability</td>
<td>Changes to a project’s KPIs</td>
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<tr>
<td>Schedule</td>
<td>Adjustments to project schedules provided in the original Safe, Clean Water Program</td>
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<tr>
<td>Funding</td>
<td>Fiscal Year budget adjustments and increases to project funding allocations that do not impact any project deliverables in the Safe, Clean Water Program</td>
<td>Increases to project funding allocations that will impact any project’s KPIs in the Safe, Clean Water Program</td>
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</table>
## Processes for Adjustments

<table>
<thead>
<tr>
<th>Adjustments</th>
<th>Processes</th>
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</thead>
</table>
| Edits to text for correction of grammatical errors, information/data updates, and overall readability | 1. Board approval will be sought at the time the Draft Safe, Clean Water Annual Report is presented for approval.  
2. Board approved adjustments to text will be updated in the 5-Year Implementation Plan and included in future Safe, Clean Water Annual Reports, which will both be posted to the website. |
| Adjustments to project schedules provided in the original Safe, Clean Water Program | 1. Capital project schedules will be approved by the Board through the biannual capital project status report.  
2. Schedule adjustment updates will take place at the end of the fiscal year or as needed.  
3. Schedule comparison of the original Safe, Clean Water Program project schedule to the project’s current schedule will be included in the Safe, Clean Water Annual Report.  
4. This information will be posted to the Program’s web page and updated in the 5-Year Implementation Plan. |
| Fiscal Year budget adjustments and increases to project funding allocations that do not impact any project deliverables in the Safe, Clean Water Program | 1. Comply with District processes for budget adjustments.  
2. Approval for increases to project funding allocations will follow the District’s annual budget process, with analysis provided as to the impact on the overall Safe, Clean Water fund to ensure that any project KPIs in the Program will not be impacted.  
3. Annual and Cumulative Financial Summary information will be included in the Safe, Clean Water Annual Report.  
4. This information will be posted to the Program’s web page and updated in the 5-Year Implementation Plan. |
<table>
<thead>
<tr>
<th>Modifications</th>
<th>Process</th>
</tr>
</thead>
<tbody>
<tr>
<td>Changes to a project’s KPIs</td>
<td>1. Public hearing</td>
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<td></td>
<td>2. Approved modifications will be included in the Safe, Clean Water Annual Report, posted to the Program’s web page and updated in the 5-Year Implementation Plan</td>
</tr>
<tr>
<td>Increases to project funding allocations that will impact other project’s deliverables in the Safe, Clean Water Program</td>
<td>1. Public hearing</td>
</tr>
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<td></td>
<td>2. Approved modifications will be included in the Safe, Clean Water Annual Report, posted to the Program’s web page and updated in the 5-Year Implementation Plan</td>
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<tr>
<th>Non-implementation</th>
<th>Process</th>
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<tr>
<td>Decision to not implement a project</td>
<td>1. Public hearing</td>
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<tr>
<td></td>
<td>2. Approved non-implementation of a project will be included in the Safe, Clean Water Annual Report, posted to the Program’s web page and updated in the 5-Year Implementation Plan</td>
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</table>
COMMITTEE AGENDA MEMORANDUM

Capital Improvement Program Committee

SUBJECT:

RECOMMENDATION:
A. Review the 2019 Capital Improvement Program Committee Work Plan and make revisions as necessary;
B. Review the proposed 2020 Capital Improvement Program Committee Work Plan and make revisions as necessary; and
C. Review and approve the proposed 2020 CIP Committee meeting schedule.

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

The 2019 Capital Improvement Program Committee (CIP) Work Plan is contained in Attachment 1. Information in this Plan document was provided by staff as follows:

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

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

The Draft 2020 CIP Work Plan contained in Attachment 2 is presented for the Committee’s review to determine topics for discussion in 2020.

The proposed 2020 CIP Committee meeting schedule contained in Attachment 3 is presented for the Committee’s review and approval to enable staff to begin logistical coordination. All meetings have been scheduled to occur on the second Monday of each month in 2020 in accordance with the
Committee’s charter, except for the October meeting, which has been rescheduled to October 19, 2019, due to the holiday schedule.

ATTACHMENTS:
Attachment 1: 2019 CIP Committee Work Plan
Attachment 2: Draft 2020 CIP Committee Work Plan
Attachment 3: 2020 CIP Meeting Schedule

UNCLASSIFIED MANAGER:
Michele King, 408-2630-2711
## CIP Committee 2019 Workplan

<table>
<thead>
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<th>CIP Implementation</th>
<th>Jan 3</th>
<th>Jan 14</th>
<th>Feb</th>
<th>Mar</th>
<th>Apr</th>
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<th>Jun</th>
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<td>Safe, Clean Water Projects Implementation</td>
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<td>Calero Dam Seismic Upgrade and Water Reliability Analysis</td>
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| Capital Project Monitoring                                                        |       |        |     |     |     |     |     |     |     |     |        |        |     |     |
| Construction                                                                       |       |        |     |     |     |     |     |     |     |     |        |        |     |     |
| Design                                                                            |       |        |     |     |     |     |     |     |     |     |        |        |     |     |
| Planning/Feasibility                                                               |       |        |     |     |     |     |     |     |     |     |        |        |     |     |
| Upcoming Consultant Agreements and Amendments                                     |       |        |     |     |     |     |     |     |     |     |        |        |     |     |
| Project Planning Studies for Board Review/Approval                                 |       |        |     |     |     |     |     |     |     |     |        |        |     |     |

| CIP Development                                                                    |       |        |     |     |     |     |     |     |     |     |        |        |     |     |
| Preliminary CIP                                                                    |       |        |     |     |     |     |     |     |     |     |        |        |     |     |
| Project Validation Process                                                         |       |        |     |     |     |     |     |     |     |     |        |        |     |     |

11/19/19
Attachment 1
Page 1 of 1
## DRAFT CIP Committee 2020 Workplan

### CIP Implementation

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<td>• Calero Dam Seismic Upgrade and Water Reliability Analysis</td>
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<td>• Cross Valley and Calero Pipelines Rehab Project</td>
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### Capital Project Monitoring

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### CIP Development

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<tr>
<td>Wednesday</td>
<td>January 1(^{st})</td>
<td>New Year’s Day</td>
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<tr>
<td>Monday</td>
<td>January 20(^{th})</td>
<td>Martin Luther King’s Birthday</td>
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<tr>
<td>Monday</td>
<td>February 17(^{th})</td>
<td>President’s Day</td>
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<td>Tuesday</td>
<td>March 31(^{st})</td>
<td>Cesar Chavez Day</td>
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<td>Monday</td>
<td>May 25(^{th})</td>
<td>Memorial Day</td>
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<td>Friday</td>
<td>July 3(^{rd})</td>
<td>Independence Day</td>
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<td>Monday</td>
<td>September 7(^{th})</td>
<td>Labor Day</td>
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<td>Monday</td>
<td>October 12(^{th})</td>
<td>Indigenous Peoples' Day</td>
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<td>Wednesday</td>
<td>November 11(^{th})</td>
<td>Veteran’s Day</td>
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<td>Thursday</td>
<td>November 26(^{th})</td>
<td>Thanksgiving Day</td>
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<td>Friday</td>
<td>November 27(^{th})</td>
<td>Friday after Thanksgiving Day</td>
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<td>Friday</td>
<td>December 25(^{th})</td>
<td>Christmas Day</td>
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