



Santa Clara Valley Water District

File No.: 19-0459

Agenda Date: 5/28/2019

Item No.: 5.1.

BOARD AGENDA MEMORANDUM

SUBJECT:

District's Capital Improvement Program Fiscal Year 2018-19 Progress Report for Water Supply and Information Technology Capital Projects.

RECOMMENDATION:

Receive information from staff on the FY2018-19 Capital Improvement Program (CIP) progress reports for key Water Supply and Information Technology Capital Projects.

SUMMARY:

The District plans, manages, and implements capital improvements to comply with the Board's Ends Policies and Executive Limitations. Program plans or master plans are developed to achieve the results established by the Ends Policies. These plans then become the basis for staff to develop and propose individual capital projects that become part of the District's Five-Year Capital Improvement Program (CIP).

The FY2019-23 CIP includes a total of 61 capital projects. Of these, 28 are Water Supply projects and 6 are Information Technology (IT) projects. The total value of the CIP is \$4.2B. Water Supply projects contribute \$2.0B, and IT projects contribute \$55M to the total CIP. Table 1 presents, by CIP category, the number of active FY19 projects, the Board-approved FY19 budget, and actual expenditures through March 11, 2019 (FY19-Q3).

**Table 1. FY19 Active CIP Projects, Budgets, and Expenditures
by Category through 3/11/2019**

CIP Category	No. of Active Projects	FY19 Budget (\$ Million)	FY19 Expenditures (\$M) (% expended)
Water Supply	28	\$128.3	\$68.8 (54%)
Flood Protection	17	\$153.3	\$33.0 (22%)
Water Resources Stewardship	6	\$8.7	\$2.5 (28%)
Buildings & Grounds	1	\$2.6	\$0.3 (11%)
Information Technology	6	\$17.0	\$1.6 (9%)

Total	58	\$309.9	\$106.2 (34%)
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Key Capital Projects

Table 2 presents the project delivery phase and FY19 third quarter status of 12 key Water Supply and two (2) IT capital projects' milestones. The following projects will be closed out and removed from the CIP by the end of FY19:

1. Pacheco Reservoir Feasibility Study
2. VENA Software Implementation

Table 2. FY19-Q3 Status of Water Supply and IT Capital Projects

No.	Key Capital Projects	Project Milestone(s)	Status
Water Supply			
1	Anderson Dam Seismic Retrofit (Design Phase)	1. 60% design 4/2018 10/2018 2. Phase 4 geotechnical investigations 4/2019 3. Phase 5 geotechnical investigations 7/2019 4. Draft EIR released for public review 4/2018 6/2020	1. Complete 2. Complete 3. On Target 4. Adjusted
2	Calero Dam Seismic Retrofit (Design Phase)	1. Complete geotechnical investigations for design - 12/2019 2. 60% design submitted to DSOD 4/2019 3. Notice of Preparation (NOP) - 7/2018 4. Admin. Draft EIR - 4/2019	1. Adjusted 2. Complete 3. Complete 4. Complete
3	Guadalupe Dam Seismic Retrofit (Design Phase)	1. Complete geotechnical investigations for design - 12/2019 2. Complete 60 % design - 3/2018; currently under DSOD review 3. Scoping Meeting for EIR - 6/2018 4. 90% Design 12/2019	1. Adjusted 2. Complete 3. Completed 4. On target
4	Almaden Dam Improvements (Design Phase)	1. Complete geotechnical investigations for design - 12/2019 2. 60% design submitted to DSOD 4/2019 3. Notice of Preparation (NOP) - 7/2018 4. Admin. Draft EIR - 4/2019	1. Adjusted 2. Complete 3. Complete 4. Complete
5	Pacheco Reservoir Expansion Project (Planning/Design Phase)	1. CWC award of \$484.55 million WSIP funding - July 2018 2. Retained consultants for Program Management and the Planning, Design, Environmental Documentation and Permitting services - November 2018 3. Executed the \$24.5 million Early Funding agreement with CWC - December 2018 4. Performed site reconnaissance - February 2019	1. Complete 2. Complete 3. Complete 4. Complete
6	Dam Seismic Stability Evaluation (Chesbro, Uvas, Coyote Dams) (Planning Phase)	1. Earthquake design motion analysis - 4/2018 2. Phase 1 spillway condition assessments - 6/2018 3. Phase 2 spillway condition assessment - 8/2019 4. Seismic stability evaluations - 7/2020	1. Complete 2. Complete 3. On target 4. On target

7	Coyote Pumping Plant ASD Replacement (Planning)	1. Award of consultant agreement for Planning phase - 11/2018 2. Complete Problem Definition Report - 3/2019 7/2019	1. Complete 2. Adjusted
8	10-Yr. Pipeline Inspection and Rehabilitation (Des/Constr. Phases)	1. Advertise for inspection/rehab of Cross Valley and Calero Pipelines 4/2019 5/2019 2. Board award of inspection/rehab for Cross Valley/Calero Pipelines - 6/2019 7/2019	1. Adjusted 2. Adjusted
9	Main and Madrone Pipelines Restoration (Construction Phase)	1. Phase 2 construction - 11/2018 2. Phase 3 construction - 2/2019 5/2019 3. Complete field construction - 4/2019 6/2019	1. Complete 2. Adjusted 3. Adjusted
10	Vasona Pumping Plant Upgrade (Planning Phase)	1. Award of consultant agreement for Planning phase - 12/2018 4/2019 2. Problem Definition Report - 6/2019 10/2019	1. Adjusted 2. Adjusted
11	RWTP Reliability Improvement (Construction Phase)	1. Continue management of Phase 2 Construction Activities - 6/2019	1. On Target
12	RWTP Residuals Remediation (Planning)	1. Identify feasible remediation alternatives - 1/2019 2. Select proposed remediation project - 4/2019	1. Completed 2. On Target
Information Technology			
13	E-Discovery software for Legal Counsel	1. Complete Proof of Concept - 09/2018 2. Initiate Implementation - 01/2019	1. Complete 2. Ongoing
14	Enterprise Resource Planning (ERP) System Implementation	1. Board award of software/implementation contract - 6/2019	1. On Target

Water Supply Capital Projects

The primary objectives for most of the current Water Supply capital projects are the retrofit and rehabilitation of the District's existing water supply infrastructure-dams, pipelines, pump stations, and water treatment facilities. In addition, several projects focus on the expansion of recycled water facilities. Through the third quarter of FY19, 28 Water Supply projects in the CIP were active. Five (5) are small capital projects, eight (8) are in planning, 12 are in design, and three (3) are under construction.

Of the 12 key Water Supply projects listed in Table 2, five (5) are in the planning phase, five (5) are in design, and two (2) are under construction.

Construction Contracts. No Water Supply project construction contracts were presented to the Board for consideration and award through FY19-Q3.

Consultant Agreements. Through FY19-Q3, four (4) new consultant agreements were awarded by the Board, for a total value of \$133.7M. Four (4) amendments to existing consultant agreements were approved by the Board for a total amendment value of \$5.4M.

Information Technology (IT) Capital Projects

The primary objective of the IT projects in the CIP is to provide the software systems and technology

the District needs to manage its core business, and operations. Of the six (6) projects in the CIP, one (1) project is complete, four (4) projects are being implemented, and one (1) is in the planning stage.

Construction Contracts. No IT construction contracts were presented to the Board for consideration and award through FY19-Q3.

Consultant Agreements. No new consultant agreements or amendments to agreements were presented to the Board for consideration and award through FY19-Q3.

FINANCIAL IMPACT:

The recommended action has no financial impact.

CEQA:

The recommended action does not constitute a project under California Environmental Quality Act (CEQA) because it does not have potential for resulting in a direct or reasonably foreseeable indirect physical change in the environment.

ATTACHMENTS:

Attachment 1: PowerPoint

UNCLASSIFIED MANAGER:

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