

May 11, 2018

NOTICE OF AMENDED AGENDA AND REQUEST FOR RSVPS

Members of the Capital Improvement Program (CIP) Committee Director Nai Hsueh, Chairperson

Director Tony Estremera, Vice Chairperson

Director Linda LeZotte. Committee Member

And Supporting Staff Members

Norma Camacho, Chief Executive Officer

Leslie Orta, Senior Assistant District Counsel

Rick Callender, Chief of External Affairs

Anil Comelo, Acting Chief Operating Officer – Administrative Services

Melanie Richardson, Chief Operating Officer - Watersheds

Nina Hawk, Chief Operating Officer - Water Utility

Darin Taylor, Chief Financial Officer

Katherine Oven, Deputy Operating Officer

Vincent Gin, Deputy Operating Officer

Garth Hall, Deputy Administrative Officer

Ngoc Nguyen, Interim Deputy Operating Officer

Sudhanshu Tikekar, Deputy Administrative Officer

Christopher Hakes, Assistant Officer

Charlene Sun, Budget Manager

Beth Redmond, Capital Program Planning and Analysis Unit Manager

The next meeting of the Santa Clara Valley Water District Capital Improvement Program Committee, is scheduled to be held at 10:00 a.m., on Monday May 14, 2018, in the District Headquarters Building, Conference Room A-124, 5700 Almaden Expressway, San Jose, California.

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

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

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

Regards,

Natalie F. Dominguez

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

Enclosures



Santa Clara Valley Water District Capital Improvement Program Committee Meeting

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

10:00 A.M. REGULAR MEETING AGENDA

Monday, May 14, 2018 10:00 AM

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

CAPITAL IMPROVEMENT PROGRAM COMMITTEE

Nai Hsueh, Chair, District 5 Linda J. LeZotte, Vice Chair, District

Tony Estremera, District 6

All public records relating to an item on this agenda, which are not exempt from disclosure pursuant to the California Public Records Act, that are distributed to a majority of the legislative body will be available for public inspection at the Office of the Clerk of the Board at the Santa Clara Valley Water District Headquarters Building, 5700 Almaden Expressway, San Jose, CA 95118, at the same time that the public records are distributed or made available to the legislative body. Santa Clara Valley Water District will make reasonable efforts to accommodate persons with disabilities wishing to attend Board of Directors' meeting. Please advise the Clerk of the Board Office of any special needs by calling (408) 265-2600.

BETH REDMOND Committee Liaison

NATALIE F. DOMINGUEZ, CMC Board Admin. Assistant II Office/Clerk of the Board (408) 265-2659 ndominguez@valleywater.org

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

Santa Clara Valley Water District Capital Improvement Program Committee

10:00 A.M. REGULAR MEETING **AGENDA**

Monday, May 14, 2018

10:00 AM

Board Conference Room A-124

1. **CALL TO ORDER:**

- 1.1. Roll Call.
- 1.2. Time Open for Public Comment on any Item not on the Agenda. Notice to the public: This item is reserved for persons desiring to address the Committee on any matter not on this agenda. Members of the public who wish to address the Committee on any item not listed on the agenda should complete a Speaker Card and present it to the Committee Clerk. The Committee Chair will call individuals in turn. Speakers comments should be limited to three minutes or as set by the Chair. The law does not permit Committee action on, or extended discussion of, any item not on the agenda except under special circumstances. If Committee action is requested, the matter may be placed on a future agenda. All comments that require a response will be referred to staff for a reply in writing. The Committee may take action on any item of business appearing on the posted agenda.
- 2. APPROVAL OF MINUTES: None.
- 3. **ACTION ITEMS:**

3.1. Update of South County Recycled Water Producer/Wholesaler/Retailer

18-0203

Agreements.

Recommendation: Receive information and discuss.

Manager:

Garth Hall 408-630-2750

Attachments:

Attachment 1 - So County Key Terms

Attachment 2 - So County Expenditures

Est. Staff Time:

10 Minutes

3.2. Update on Alternative Financing for Water Utility Enterprise Projects 18-0357

Recommendation: Receive an update and provide direction to staff on next steps.

Manager:

Darin Taylor, 408-630-3068

Est. Staff Time:

10 Minutes

3.3. Capital Projects Status Update, Planning/Feasibility Study. 18-0358

Recommendation: Receive and discuss information regarding the status of capital

projects in the Planning and Feasibility Study Phase.

Manager:

Katherine Oven, 408-630-3126

Attachments:

ATTACHMENT 1 - Planning

ATTACHMENT 2 (Upper Pen and Coyote Creek)

Est. Staff Time:

10 Minutes

4. **REVIEW COMMITTEE WORK PLAN:**

4.1. 2018 Capital Improvement Committee Work Plan.

18-0403

Recommendation: Review and make necessary revisions to the 2018 Capital

Improvement Program (CIP) Committee Work Plan, and confirm

the Committee's regular meeting schedule for 2018.

Manager:

Michele King, 408-2630-2711

Est. Staff Time:

10 Minutes

5. **ADJOURN:**

5.1. Clerk Review and Clarification of Board Requests.

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

5.2. Adjourn to Regular Meeting at 10:00 a.m., on Monday, June 11, 2018, in the Santa Clara Valley Water District Headquarters Building, Conference Room A-124, 5700 Almaden Expressway, San Jose, California.



Santa Clara Valley Water District

File No.: 18-0203 Agenda Date: 5/14/2018

Item No.: 3.1.

COMMITTEE AGENDA MEMORANDUM

Capital Improvement Program Committee

SUBJECT:

Update of South County Recycled Water Producer/Wholesaler/Retailer Agreements.

RECOMMENDATION:

Receive information and discuss.

SUMMARY:

The partnership between the Santa Clara Valley Water District (District) and City of Gilroy for the development of a recycled water system in South Santa Clara County (South County) dates back to 1977, when the Gilroy Reclamation and Irrigation Project pipeline was constructed. In 1999, the District entered into Producer-Wholesaler-Retailer partnership agreements with the South County Regional Wastewater Authority (SCRWA) and the cities of Gilroy and Morgan Hill to develop a marketable recycled water program, which included expansion of the SCRWA Wastewater Treatment and Reclamation Plant (WWTP), located in Gilroy, and the recycled water distribution system.

According to these Producer-Wholesaler-Retailer agreements:

- 1. SCRWA is the recycled water producer:
- 2. The District is the wholesaler; and
- 3. The cities of Gilroy and Morgan Hill are the retailers.

The responsibilities and costs associated with the construction, operation, and maintenance of the facilities associated with recycled water are:

- 1. SCRWA: treatment facilities:
- 2. District: distribution facilities: and
- 3. Cities of Gilroy and Morgan Hill: the meters within their respective jurisdictions.

A brief overview of the key terms of the Producer-Wholesaler-Retailer Agreements is presented in Attachment 1.

In 2006, the Producer-Wholesaler Agreement between the District and SCRWA was amended. The most significant amendments to the Agreement included adding provisions for: a cost share on the South Pipeline, a dual use emergency discharge pipeline to Pajaro River for the WWTP and recycled water distribution; allowing the District to contract with SCRWA for operations and maintenance services on District recycled water facilities; replacement of preset delivery quantities with a clause to allow the District first right of refusal to all recycled water that SCRWA produces for sale; scheduled review and updates of the South County Recycled Water Master Plan (Master Plan); and a reliability study to be performed under the first Master Plan update.

File No.: 18-0203

Agenda Date: 5/14/2018

Item No.: 3.1.

The District, in partnership with SCRWA and in collaboration with the cities of Gilroy and Morgan Hill, developed the South County Recycled Water Master Plan (Master Plan) in 2004 and subsequently updated it in 2015. This Master Plan identifies Immediate-Term, Short-Term, and Long-Term capital investments to address supply reliability deficiencies (capacity shortfalls, inadequate pressure, and aging infrastructure) and provides for the expansion and use of recycled water in South Santa Clara County. A summary of the capital improvement expenditures since 2004 and a list of recommended capital improvements that have been completed or are in progress are provided as Attachment 2.

Contributions towards the capital improvements from the cities of Gilroy and Morgan Hill have been indirect through SCRWA.

The 2015 Master Plan update presented a capital investment strategy over a 20-year planning horizon. The estimated costs for capital investments include \$34.0 million in distribution system improvements and \$64.1 million in treatment system improvements, for a total of \$98.1 million as presented in Table 1.

Table 1. 2015 Master Plan Capital Improvement Recommendations

Phases	Capital Improvement Projects 1	Cost Estimate
Immediate-Term	 26,600 LF pipeline extension (varying from 8-inch to 30-inch diameter) Planned WWTP Improvements 9 MGD Ultraviolet (UV) Treatment Facility 3-MGD upgrade to Area WWTP pump station 	\$14.3 Million WWTP \$4.5 Million
Short-Term	• 21,860 LF pipeline extension (varying from 8-inch to 30-inch diameter) Planned WWTP Improvements • Chlorine contact basin and Area 98 pump station upgrade • 4.6-MGD upgrade to Area 93 WWTP pump station • 6 MG Reservoir expansion at WWTP • Automated flow measurement and smart meter conversion	\$10 Million <u>WWTP</u> \$8.4 Million
Long-Term	• 7,010 LF pipeline extension (18-inch diameter) • New 1.5 MG Storage Tank • New 2.1MGD pump station Planned WWTP Improvements • 2.5 MGD WWTP Phase 2 expansion (secondary treatment - Membrane Bioreactor) • Recycled water fill station (commercial & residential)	\$10 Million WWTP \$50.9 Million
	Total Estimated Costs (2015 dollars)	\$98.1 Million

1. The cost estimates for the "Planned WWTP Improvements" UV Treatment Facility and Area 94 pump station projects are derived from construction bids. The remaining cost estimates for the "Planned WWTP Improvements" are planning level estimates provided by SCRWA.

ATTACHMENTS:

Attachment 1: Key Terms of Producer-Wholesaler-Retailer Agreements for South Santa Clara

County Recycled Water System

Attachment 2: Capital Improvement Expenditures for South Santa Clara County Recycled Water

System

File No.: 18-0203

Agenda Date: 5/14/2018

Item No.: 3.1.

UNCLASSIFIED MANAGER:

Garth Hall, 408-630-2750

Key Terms of Producer-Wholesaler-Retailer Agreements South Santa Clara County Recycled Water System

31-31-52-51		CONTACT OF THE PROPERTY OF THE	DISTRICT STATES	CII DOVIMOROAN LIII I
No.		SCRWA	DISTRICT Wholesaler	GILROY/MORGAN HILL
1	Agency Role	Producer		Retailer End User Meter (End User
2	Recycled Water System Ownership	Recycled Water Treatment/Production Facilities: - Tertiary treatment and disinfection - Finish water pump station(s) - Master meter - Pipeline to Wholesaler Point of Connection - South Pipeline (Pajaro River Emergency Discharge)	Distribution System and Facilities: Located between the Wholesaler Point of Connection and End User Point of Connection - Pipeline and appurtenances - Booster pump station(s) - Finish water reservoir(s)/storage tanks - End User Meter (Only outside Retailer service area(s))	Point of Connection)
3	Operation & Mainenance	- WWTP - Distribution System: At Wholesaler's request and reimbursement	- Distribution System - Option to request and reimburse SCRWA to perform O&M	End User Meter
4	Permits	Lead Agency	Compliance	Compliance
5	Water Quality	CA Title 22: Disinfected tertiary treated recyled water	CA Title 22: Disinfected tertiary treated recyled water	CA Title 22: Disinfected tertiary treated recyled water
6	Water Supply Quantity	Water supply for WWTP Operations	First right of refusal for up to 100% water supply available from Producer for sale (or other valuable consideration)	Water supply available from Producer to Wholesaler for sale (or other valuable consideration) Annual delivery quantity
7	Delivery Pressure	Range: 80 to 110 psig at Wholesaler Point of Connection		
8	Water Supply Rate	Annual Rate Schedule: 2017 Rate = \$0	Annual Rate Schedule: 2017 Rate(s) M&I = \$398, Ag = \$48.88	Annual Rate Schedule. 2017 Rate = Wholesale Rate plus \$0 Retail
9	Master Plan	50% Consultant Cost	50% Consultant Cost	
10	Environmental Impact Report (EIR)	50% Master Plan Programmatic- level EIR 100% WWTP EIR	50% Master Plan Programmatic-level EIR 100% Master Plan Project- level EIR	
11	Term and Renewal	20 years, automatic 1 year renewal intervals	20 years, automatic 1 year renewal intervals	20 years, automatic 1 year renewal intervals
12	Executed	October 1999, Amended December 2006	October 1999	October 1999

Capital Improvement Expeditures South Santa Clara County Recycled Water System

No.	ltem	Treatment	Distribution	Retail	SCRWA (\$ Million)	DISTRICT (\$ Million)	GRANT TO DISTRICT (\$Million)	CITY OF GILROY (\$Million)	PRIVATE (\$ Million)	TOTAL (\$ Million)
1	1978 - Installation of 8 Miles of RW		٧	٧		\$0.65		\$0.39		\$1.03
	Pipeline ¹									
		<u> </u>		<u> </u>						
	PLETED PROJECTS [2004 to 2017]				00.75	0.54	104.00	11 31 (2.73)		
2	WWTP Tertiary Treatment Filter Expansion and Installation of 3 million	٧	٧		\$3.75	\$1.54	\$1.93			\$7.22
	gallon Recycled Water Reservoir									
3	Retrofit of 7,500LF of Existing Pipeline	-	V			\$3.26				\$3.26
3	(District CIP No. 91094007)		ľ		<u> </u>	ψ3,20				\$3.20
4	WWTP South Pipeline	V	٧		\$2.22	\$0.16				\$2.38
5	WWTP Recycled Water Generator	V	İ		\$1.30					\$1.30
5	Installation									,
6	WWTP UV Installation	V			\$3.75					\$3.75
7	WWTP Area 94 Recycled Water Pump	٧			\$0.95					\$0.95
	Station Upgrade									
8	Installation of 3,000LF of New Pipeline		٧			\$5.39	\$1.30			\$6.69
	(District CIP No. 91094008)								,	
9	Installation of 9,200LF of New Pipeline,		٧	٧		\$4.30			\$0.90	\$5.20
	End User Turnout(s),									
DPA	(District CIP No. 9104010) JECTS IN-PROGRESS [2018]		I			I S S S S S S S S S S S S S S S S S S S	CHOICIGING			
10	WWTP Area 93 Recycled Water Pump	V	T	Γ	\$2.50					\$2.50
	Station Upgrade	 			\$2.00					Ψ2.30
11	Installation of 14,500LF of New Pipeline		V	-		\$24.05	\$5.70			\$29.75
	(District CIP No. 91094009)									
12	Installation of 10,395LF of New Pipeline		٧	٧		\$3.76			\$1.06	\$4.82
	(District CIP No. 9104010)									
5 10	TOTAL		416		\$14.47	\$43.11	\$8.93	\$0.39	\$1.96	\$68.85

Note

1. For this line item, District costs are as follows: Santa Clara Valley Water District \$0.39 million, South Santa Clara Valley Water Conservation District \$0.26 million.



Santa Clara Valley Water District

File No.: 18-0357 Agenda Date: 5/14/2018

Item No.: 3.2.

COMMITTEE AGENDA MEMORANDUM

Capital Improvement Program Committee

SUBJECT:

Update on Alternative Financing for Water Utility Enterprise Projects

RECOMMENDATION:

Receive an update and provide direction to staff on next steps.

SUMMARY:

At the September 18, 2017 CIP Committee meeting, William C. Statler, fiscal policy and financial consultant, presented the revenue options available to the District at that time for the water utility and for flood protection. In addition, the full board received Mr. Statler's final report titled "Revenue Options Assessment, November 2017" via Non-Agenda on December 8, 2017. Based on Mr. Statler's analysis, the following mechanisms represent the strongest opportunities available to the District to generate new revenue, in no particular order:

- 1. **Special Parcel Tax** (similar to Safe Clean Water measure passed by voters in 2012) which would require two-thirds voter approval, and is largely an unrestricted revenue source.
- 2. Benefit Assessments (similar to existing flood protection benefit assessments), which would require property owner majority voter approval, and must be based on benefit per parcel per engineer's report.
- 3. Development Impact Fees which can only be used for capital improvements benefiting new development. This type of fee is typically collected by cities and counties along with building permit fees. The District's ability to collect such fees would be contingent in significant part on the cooperation of land use planning agencies.

One possible project to consider for an additional special parcel tax is the Pacheco Reservoir Expansion Project given the large size of the project (even after offsetting the cost with a potential Proposition 1 grant), and the many potential benefits to the public.

A possible project to consider for development impact fees would be the Expedited Purified Water Program, which will produce new water supply for the county. There are 13 cities that overlay the North County Zone W-2, all of which will benefit from the production of the new supply of water. The obvious challenge for the sake of equity, would be to get all 13 cities to voluntarily agree to collect a development impact fee for this project and remit to the District.

Staff met with the Water Retailers Finance Subcommittee on February 2, 2018. The Retailers agreed that further research into the idea of funding certain capital projects with property taxes is warranted.

File No.: 18-0357

Agenda Date: 5/14/2018

Item No.: 3.2.

Dam projects seem to be ideal projects for a tax measure because of their broad benefits, including water supply, public health and safety, and flood protection.

The retailers suggested that a public poll to gauge possible support for such a tax may be a good next step. Timing for generating revenue this way could be a challenge however, as it would take 2 to 3 years to bring such a measure to fruition before the first tax revenues would be realized, and by then the District's largest dam rehabilitation project, the Anderson Dam Seismic Retrofit, should be nearly half complete. The District agreed to research this option further and report back to the Retailer group.

Depending on Board direction, significant additional analysis, staff work, and possibly consultant analysis and input would be required to pursue any of the new revenue options discussed above.

ATTACHMENTS:

None

UNCLASSIFIED MANAGER:

Darin Taylor, 408-630-3068



Santa Clara Valley Water District

File No.: 18-0358 Agenda Date: 5/14/2018

Item No.: 3.3.

COMMITTEE AGENDA MEMORANDUM

Capital Improvement Program Committee

SUBJECT:

Capital Projects Status Update, Planning/Feasibility Study.

RECOMMENDATION:

Receive and discuss information regarding the status of capital projects in the Planning and Feasibility Study Phase.

SUMMARY:

The CIP Committee's 2018 Workplan includes monitoring of capital projects during all phases of development. Staff will bring a list of pending projects to the Committee each month and provide detailed information on those where significant potential issues have been identified. The projects presented for discussion will be organized by phases: construction, design, and planning/feasibility study; and staff will bring projects to the CIP Committee for review one phase at a time. Projects currently in the planning and feasibility phases are being presented this month.

Attachment 1 is a list of projects in the planning and feasibility phases. Attachment 2 Provides additional information regarding the status of Upper Penitencia Creek and Coyote Creek Flood Protection Projects.

ATTACHMENTS:

Attachment 1: Capital Project Monitoring Report - Planning/Feasibility

Attachment 2: Information Regarding Status of Upper Penitencia Creek and Coyote Creek Flood

Protection Projects

UNCLASSIFIED MANAGER:

Katherine Oven, 408-630-3126

Capital Project Monitoring Report - 2018

Notes, Upcoming Board Actions or potential issues Planning consultant agreement to the Board 8/18 (Design Build project delivery) Geotech investigations for Coyote cheebro and Uvas Dams on track for completion 12/18. Phase 1 of Spillway condition assessment report for Coyote Chesbro and Uvas dams on track for completion fall 2018. Daff Ells spring 2019 Planning Design and Program Management Agreements to Board in 9/18. Planning consultant agreement to the Board 8/18 (Design-Build project delivery) Planning consultant agreement to the Board 8/18 (Design-Build project delivery) Planning consultant agreement to the Board 8/18 (Design-Build project delivery) Planning consultant agreement to the Board 8/18 (Design-Build project delivery) Planning consultant agreement to the Board 8/18 (Design-Build project delivery) Planning program Potential Program Management Agreements by 6/18, planning study Report by 6/10. MOA with USACE 6/18, Sec 1126 Feasibility Study 6/21. Full construction to meet Board review program of the achievable with remaining SCW funding. Estimated costs and options will be developed through the planning study Planning Study to be complete 9/19. USACE dose not support multi-objective project Construction to meet Board review planse, coordinating with SBSPRP on Eld 4, 5, 10 effort. Passibility study on the realignment of Calabazas and San Tomas Creek by 10/19. Final report on mercury mobilitation from opening pond A8 to didal action by 12/18. Petransibility Study on the realignment of Calabazas and San Tomas Creek by 10/19. Final report on mercury mobilitation by 12/18. Petransibility Study presented to Board 3/27/18. Define parameters/costs for a planning study with County participation by 12/18. Metcall Pond Feasibility Study developed draft workplan.	
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Information Regarding Status of Upper Penitencia Creek and Coyote Creek Flood Protection Projects

Project 26324001: Upper Penitencia Creek, Coyote Creek to Dorel Drive, Corps (E4)

Project 26174043: Coyote Creek, Montague Expressway to Tully Road (E3)

On April 10, 2018, the Board held a public hearing to consider reducing the scope of the Upper Penitencia Creek Flood Protection Project to the planning phase only and reducing its Safe, Clean Water funding from approximately \$42 million to \$2 million. As recommended by the Capital Improvement Program Committee, the remaining \$40 million available funds would be reallocated to the Coyote Creek Flood Protection Project to provide more assurance for the District to complete flood risk reduction along 9 miles of Coyote Creek from Montague Expressway to Tully Road.

The recommendation was made based on the following considerations: (1) the U.S. Army Corps of Engineers (USACE) has not supported a multi-objective Upper Penitencia Creek Flood Protection Project that would be aligned with the interests of the community, resource agencies, and the District; and (2) per very roughly estimated costs for project construction prior to conducting planning, the urgent demand for flood risk reduction along 9 miles of Coyote Creek from Montague Expressway to Tully Road cannot be met by the project's current SCW available funding. The Board considered this item but did not take action at the April 10, 2018 meeting. They directed staff to conduct additional outreach to the community regarding this proposed modification to the Safe, Clean Water Program and continue the hearing to the May 23, 2018 Special Board meeting.

Currently, both the Upper Penitencia Creek and Coyote Creek Flood Protection Projects are in the planning phase. Upper Penitencia Creek planning is expected to be completed and Coyote Creek planning will be substantially advanced by July 2019. Outreach to the community will be conducted as part of the planning phase. Additional information on the scope of the flood risk reduction measures and much more realistic estimated costs would be available at the completion of the planning phase. There is available funding to proceed with the planning phase for both projects with no project delays without changing the scope of work and funding amount of the Upper Penitencia Creek Project at this time.



Santa Clara Valley Water District

File No.: 18-0403 Agenda Date: 5/14/2018

Item No.: 4.1

COMMITTEE AGENDA MEMORANDUM

Capital Improvement Program Committee

SUBJECT:

2018 Capital Improvement Committee Work Plan.

RECOMMENDATION:

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

SUMMARY:

Work Plans are created and implemented by all Board Committees to increase Committee efficiency, provide increased public notice of intended Committee discussions, and enable improved follow-up by staff. Work Plans are dynamic documents managed by Committee Chairs and are subject to change.

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.

An updated 2018 Capital Improvement Program Committee Work Plan will be distributed as a Handout at the May 14, 2018 meeting.

ATTACHMENTS:

None.

UNCLASSIFIED MANAGER:

Michele King, 408-2630-2711