



RESOURCES & INFRASTRUCTURE COMMITTEE

REGULAR MEETING
 Tuesday, November 19, 2019 - 3:00 PM
 1000 Main Street, Cambria, CA 93428

AGENDA

- A. CALL TO ORDER
- B. ESTABLISH QUORUM
- C. CHAIRMAN'S REPORT
- D. SUB-COMMITTEE AD HOC REPORTS

1. PUBLIC COMMENT

Members of the public may now address the Committee on any item of interest within the jurisdiction of the Committee but not on its agenda today. In compliance with the Brown Act, the Committee cannot discuss or act on items not on the agenda. Each speaker has up to three minutes. Speaker slips (available at the entry) should be submitted to the Committee Chairperson.

2. CONSENT AGENDA

- A. Consideration to Approve the October 22, 2019 Special Meeting Minutes

3. REGULAR BUSINESS

- A. Brief Progress Report from the Committee on the UWMP Update
- B. Discuss the Resources & Infrastructure Committee Members Willingness to Continue Serving the Second Term of Their Position and Forward the Information to the Board of Directors
- C. Receive Update From the General Manager on the Presentations by the Companies being Considered by the District for the CIP Project Plan
- D. Discuss and Consider Establishing the Criteria to be Used by the District in Deciding on a Company to Work with on CIP Projects

and to Consider Forwarding the Committee's Recommendation of the Criteria to the Board of Directors

- E. Discuss and Consider Forming an Ad Hoc Committee on Water Conservation and Grey Water Use

4. FUTURE AGENDA ITEMS

5. ADJOURN



RESOURCES & INFRASTRUCTURE COMMITTEE

SPECIAL MEETING

Tuesday, October 22, 2019 - 3:00 PM

1000 Main Street, Cambria, CA 93428

1. CALL TO ORDER [0:00]*

Chairman Farmer called the meeting to order at 3:01 p.m.

2. ESTABLISH QUORUM [0:00]

A quorum was established.

Committee members present: Harry Farmer, Karen Dean, Tom Gray, James Webb, Paul Nugent and Brad Fowles

Staff present: General Manager John Weigold, Wastewater System Supervisor John Allchin, Water System Supervisor Jim Green, Finance Manager Pam Duffield

Public present:

Allan Dean
 Elizabeth Bettenhausen
 Cindy Steidel
 Donn Howell
 Paul Reichardt
 Crosby Swartz
 Laura Swartz

3. CHAIRMAN'S REPORT [0:00]

Chairman Farmer reported.

4. AD HOC SUBCOMMITTEE REPORTS [0:10]

No reports from subcommittees.

5. PUBLIC COMMENT ON NON-AGENDA ITEMS [0;10]

Public Comment:

None

6. CONSENT AGENDA [0:10]

A. Consideration to Approve the September 17, 2019 Regular Meeting Minutes

Motion to approve the minutes.

Motion by: Vice-Chair Dean

Seconded by: Member Nugent

The motion was approved 5-Ayes (Dean, Gray, Nugent, Webb, Fowles), 0-Nays, 0-Absent

7. REGULAR BUSINESS

A. Discuss and Review Capital Improvement Project Budget Reallocations and Approve Staff Recommendations **[0:11]**

Public Comment: Elizabeth Bettenhausen

Motion: To approve staff recommendations for Capital Improvement Project budget reallocations.

Motion by: Member Gray

Seconded by: Member Webb

The motion was approved 5-Ayes (Dean, Gray, Nugent, Webb, Fowles), 0-Nays, 0-Absent

B. Discussion and Consideration of Resources & Infrastructure Committee Mission Statement, Goals and Objectives **[0:39]**

Public Comment: Elizabeth Bettenhausen, Paul Reichardt

Motion: To adopt the Mission Statement, Goals and Objectives recommended by the Ad Hoc Subcommittee with one change -- Replace "Establish" with "Discern" in second Objective listed – and forward the document to the CCSD Board.

Motion by: Member Gray

Seconded by: Vice-Chair Dean

The motion was approved 5-Ayes (Dean, Gray, Nugent, Webb, Fowles), 0-Nays, 0-Absent

- C. Receive Report from Ad Hoc Subcommittee Regarding Cambria Water Availability, Use and Future Demand **[1:16]**

Public Comment: Elizabeth Bettenhausen, Crosby Swartz, Paul Reichardt, Allan Dean

Motion: To accept the report as submitted and pass it along to the CCSD Board.

Motion by: Member Webb

Seconded by: Member Nugent

The motion was approved 5-Ayes (Dean, Gray, Nugent, Webb, Fowles), 0-Nays, 0-Absent

- D. Receive Update from Staff on the Sustainable Solutions Turnkey (SST) Program **[1:56]**

Report from General Manager Weigold; no Committee action

- E. Discussion and Consideration of the Formation of an Ad Hoc Committee Regarding the Hiring of a Consultant to Assist in the Updating of the Cambria 2020 Urban Water Management Plan (UWMP) **[1:59]**

Public Comment: Paul Reichardt

Motion 1: To form an Ad Hoc Committee to work with CCSD Staff to review the current UWMP and recommend areas for updating the plan.

Motion by: Vice Chair Dean

Seconded by: Member Fowles

The motion was approved 5-Ayes (Dean, Gray, Nugent, Webb, Fowles), 0-Nays, 0-Absent

Motion 2: To appoint Vice-Chair Dean and members Gray and Nugent to Ad Hoc Committee for review of UWMP.

Motion by: Vice Chair Dean

Seconded by: Member Gray

The motion was approved 5-Ayes (Dean, Gray, Nugent, Webb, Fowles), 0-Nays, 0-Absent

8. ADJOURN [2:13]

*** Time on recording (hrs:mins)**

DRAFT

RESOURCES & INFRASTRUCTURE COMMITTEE MEETING SIGN-IN SHEET

Meeting Date: October 22, 2019

Name	Name
Karen Dean	Allen Dean
Jim Webb	
Paul Nugent	
John Alchin	
Pam Duffield	Pam Duffield
Tom Gray	
Elizabeth Bettenhausen	
Cindy Spindel	
Harry Fournier	
John Weigold	
Donna Horvath	
Paul Reichardt	
Crosby Swantz	
Lana Swantz	

Water CIP - Capital Improvement Program (Revised 5/6/2019 - For Discussion Only)				
		Ranking	Project Cost	10 yr Cost
Water Distribution System Projects				
1	Pressure Zone 2 to Zone 7 transmission main replacement @ SR Creek pedestrian bridge	1	\$ 120,000	\$ 120,000
2	Water Meter Replacements & Upgrades	1	\$ 1,050,000	\$ 1,050,000
3	Annual GIS updating & upgrades	1	\$ 10,000	\$ 100,000
4	Piney Way erosion control inspection report and follow-up protection efforts for existing pipeline	1	\$ 10,000	\$ 10,000
Priority 1 Subtotal			\$ 1,190,000	\$ 1,280,000
5	Subzone metering of distribution system	2	\$ 150,000	\$ 150,000
6	Stuart Street Tank Replacement (125K gallon welded steel tank with new foundation)	2	\$ 458,000	\$ 458,000
Priority 2 Subtotal			\$ 608,000	\$ 608,000
7	Replacement of problematic service lines within Leimert	3	\$ 130,000	\$ 130,000
8	Water Master Plan Amendment (revised fire flow modeling/tank sizing check)	3	\$ 35,000	\$ 35,000
9	Annual Water pipelines, pumps, and PRV repairs and replacements	3	\$ 50,000	\$ 500,000
10	Valve Replacements	3	\$ 20,000	\$ 20,000
Priority 3 Subtotal			\$ 235,000	\$ 685,000
11	Inspection & spot repair to water transmission main under S. Parks wetlands area; or lining of transmission main plus study & predesign	4	\$ 80,000	\$ 80,000
12	Pine Knolls - Iva Court zone 1 pipeline expansion	4	\$ 165,000	\$ 165,000
Priority 4 Subtotal			\$ 245,000	\$ 245,000
Tank & Booster Pump Station Projects				
1	SCADA System - Long-term Water Portion	1	\$ 250,000	\$ 250,000
2	Electrical transfer switch and conduit to well SS-3	2	\$ 25,000	\$ 25,000
3	San Simeon well field generator replacement	2	\$ 100,000	\$ 100,000
Priority 2 Subtotal			\$ 125,000	\$ 125,000
4	Rodeo Grounds Pump Station Replacement (aka Zone 2 Booster pump station)	3	\$ 1,016,000	\$ 1,016,000
Water conservation				
1	Database for water conservation program/tracking with parcel links & APN file conversion	1	\$ 10,000	\$ 10,000
Vehicles & Trailer Mounted-Equipment				
1	Vehicle Replacement Program Reserves (Accumulate Funds)	1	\$ 25,000	\$ 250,000
Overhead Projects				
1	Contingency/reserves (Accumulate Funds)	1	\$ 15,000	\$ 150,000
Grand Total				\$ 4,619,000
			Priority 1 Total	\$ 1,940,000
			Priority 2 Total	\$ 733,000
			Priority 3 Total	\$ 1,701,000
			Priority 4 Total	\$ 245,000
SWF CIP - Capital Improvement Program (Revised 4/30/2019 - For Discussion Only)				
		Ranking	Project Cost	10 yr Cost
Permitting				
1	EIR consulting (follow up agency discussions to support the SWF's Regular CDP)	1	\$ 10,000	\$ 10,000
2	Section 7 ESA consulting, annual AMP report, & AMP update	1	\$ 100,000	\$ 100,000
Priority 1 Subtotal			\$ 110,000	\$ 110,000
Interim, short-term SWF Modifications				
1	Modifications to facilitate off-hauling RO waste (secondary containment, grading, rock, purchase tanks)			
	a) Secondary Containment, Grading, Rock	1	\$ 20,000	\$ 20,000
	b) Tank purchase	1	\$ 80,000	\$ 80,000
Priority 1 Subtotal			\$ 100,000	\$ 100,000
Advanced Water Treatment Plant				
1	Miscellaneous instrumentation / monitoring upgrades	2	\$ 10,000	\$ 10,000
2	Filters / membrane replacements (or build reserves for future)	2		\$ -
Priority 2 Subtotal			\$ 10,000	\$ 10,000
Long-Term Improvement Modifications				
1	Consulting assistance for coordination with Army Corps on WRDA grant (meetings, redefine work plan, & update scope of work)	1	\$ 40,000	\$ 40,000
2	Future permanent mods at SWF for trailer fill station [transfer tanks, piping, & spill containment/loading pad] (1,2)	2	\$ 200,000	\$ 200,000
3	AWTP pull-barn style covers for outdoor equipment & control panels (1,2)	2	\$ 50,000	\$ 50,000
Priority 2 Subtotal			\$ 250,000	\$ 250,000
4	Sems, Hach WIMS, or custom programmer for logging/reporting software and tablets (yr 1 is software/programming assistance)	3	\$ 25,000	\$ 25,000
5	Installation of remote sensing instrumentation at SS creek (needs access agreement with State Parks)	3	\$ 10,000	\$ 10,000
6	Solar Array System (1,2)	3	\$ 375,000	\$ 375,000
Priority 3 Subtotal			\$ 410,000	\$ 410,000
Grand Total				\$ 920,000
			Priority 1 Total	\$ 250,000
			Priority 2 Total	\$ 260,000
			Priority 3 Total	\$ 410,000
			Priority 4 Total	-

Wastewater CIP - Capital Improvement Program (Revised 5/6/2019 - For Discussion Only)				
	Wastewater Projects	Ranking	Project Cost	10-Yr Cost
	Wastewater Treatment Plant Projects in SST			
1	Electrical Upgrades (ECM 7) - Conduits between PG&E transformer and service witchboard, switchboard, connections to existing switchboard, connections to generator)	SST	\$ 232,500	\$ 232,500
2	Secondary Water System (3W) Improvements (ECM 10) - Submersible pumps, hydrpneumatic tank, demo, electrical/I&C	SST	\$ 185,000	\$ 185,000
3	Sewer Lift Stations (ECM 12) - Lift Station B1, Lift Station B4, Electrical/I&C	SST	\$ 3,945,000	\$ 3,945,000
4	Influent Lift Station Modifications (ECM 2) - Bypassing; VFDs; Equipment & Material Demo; Pumps, guiderails, valves, and piping installation; upper concrete wet well deck & hatches (installation); electrical/I&C; new concrete and repair coatings	SST	\$ 846,250	\$ 846,250
5	Modified Ludzak-Ettinger Process Upgrade (ECM 3) - MLE conversion based on Carollo 2015 Study minus VFD costs; header repair	SST	\$ 853,750	\$ 853,750
6	Influent Flow Equalization (ECM 1) - New or refurbished EQ tanks based on Carollo 10% design	SST	\$ 1,060,000	\$ 1,060,000
7	Effluent Pump Station Improvements (ECM 11) - Demo; surge tank replacement; pump replacement; install new VFDs; flowmeter; discharge manifold piping; instrumentation; replace air release valves; pipeline cleaning and flushing; electrical/I&C	SST	\$ 733,750	\$ 733,750
8	RAS and WAS Pumping Improvements (ECM 5) - RAS pumping system; WAS pumping system; scum pumps replacement; skimming troughs replacement; electrical/I&C	SST	\$ 496,250	\$ 496,250
9	SCADA System (ECM 9) - New SCADA system based on Carolla 10% Design	SST	\$ 721,250	\$ 721,250
10	Backup Power (ECM 8) - 365 kW NG Generator; Demo; Propane backup	SST	\$ 497,500	\$ 497,500
11	Blower System Improvements (ECM 4) - Replace 2 blowers; duct replacement	SST	\$ 1,345,000	\$ 1,345,000
12	Sludge Thickening (ECM 6) - Rehabilitate rotary drum thickener and screw press; new transfer pumps; stabilization tanks; aeration system and control valve; demo of clarifiers; rolloff area with roof; electrical/I&C	SST	\$ 961,250	\$ 961,250
	Subtotal		\$ 11,877,500	\$ 11,877,500
	Treatment Plant Projects Not in SST			
1	Clarifier Repairs (replace eastern drive unit's metallic hubs with non-corrosive hubs)	1	\$ 35,000	\$ 35,000
	Collection System Projects			
1	Lift Station B-2 (Wood Dr./E. Lodge Hill) new control panel at grade el.	1	\$ 425,000	\$ 425,000
2	Lift Station B-3 (Green St./W. Lodge Hill) new control panel	1	\$ 250,000	\$ 250,000
3	Lift Station 4 (DeVault Pl/Seaclift Estates) VFDs /new elect panel & 3 phase pump motors	1	\$ 85,000	\$ 85,000
4	Five-Year Replacement and New PCs for operators	1	\$ 10,000	\$ 20,000
5	Annual manhole inspections and report on needed corrections (approx. 20% of system/yr)	1	\$ 40,000	\$ 400,000
6	Annual Collection System Phased televising & cleaning (revised 11/20/18 reduced cost by 50% & extended number of years - SSMP has this over 10 yrs,)	1	\$ 50,000	\$ 500,000
7	Lift Station A (Nottingham & Leighton/Park Hill) new submersible pumps, MCC, bypass piping	1	\$ 400,000	\$ 400,000
8	Lift Station A (Nottingham & Leighton/Park Hill) control panel at grade el	1	\$ 90,000	\$ 90,000
9	Lift Station A-1 (Sherwood & Harvey/Marine Terrace) submersible pumps, MCC, bypass piping	1	\$ 265,000	\$ 265,000
	Subtotal		\$ 1,615,000	\$ 2,435,000
1	Lift Station B improvements (SR Creek/behind Park Hill) new control panel	2	\$ 75,000	\$ 75,000
2	Annual manhole raising due to street overlays & roadway work/Manhole cover replacements	2	\$ 10,000	\$ 100,000
	Subtotal		\$ 85,000	\$ 175,000
1	Annual Collection System Repairs to reduce I/I & damaged pipe sections	3	\$ 50,000	\$ 500,000
2	Lift Station B - new wet well, submersible pumps, and valve vault (placeholder)	3	\$ 300,000	\$ 300,000
3	Collection System Assessment software (E.g, t4 Spatial or other)	3	\$ 10,000	\$ 10,000
4	Annual Collection System Assessment/engineering for repairs (extended number of years - SSMP has this occurring over 10 yrs)	3	\$ 30,000	\$ 300,000
5	Lift Station B-3 (Green St./W. Lodge Hill) submersible pumps, MCC, bypass piping	3	\$ 250,000	\$ 250,000
6	Lift Station B - replace existing generator	3	\$ 60,000	\$ 60,000
	Subtotal		\$ 700,000	\$ 1,420,000
1	Annual SCADA System Maintenance or Upgrades - Collections System	4	\$ 25,000	\$ 25,000
2	Collection System smoke testing	4	\$ 50,000	\$ 50,000
	Subtotal		\$ 75,000	\$ 75,000
	Vehicles and Trailer- Mounted Equipment			
1	Pearpoint or equal TV inspection camera (removed cost from mid year total to meet reduced funding balance, 11/20/2018.)	1	\$ 50,000	\$ 50,000
2	Vactor truck - replace with new \$430K truck that meets emssion requirements (7 yr loan @ 4.5%)	1	\$ 518,000	\$ 518,000
	Subtotal		\$ 568,000	\$ 568,000
3	Vehicle Replacement Program (Annual reserves)	3	\$ 25,000	\$ 250,000
4	Portable equipment replacement program - backhoes, generators and pumps (Annual reserves)	4	\$ 15,000	\$ 150,000
	Deferred Major Maintenance			
1	Cleaning of aeration basins (after screen installation)	1	\$ 20,000	\$ 20,000
2	Cleaning of pipelines from headworks to aeration tanks (after screen installation), including cleanout additions	1	\$ 10,000	\$ 10,000
	Subtotal		\$ 30,000	\$ 30,000
3	Western clarifier - Replace clarifier chain, wear shoes, skid plates, & sprockets	2	\$ 40,000	\$ 40,000
4	Eastern clarifier - Replace clarifier chain, wear shoes, skid plates, & sprockets	2	\$ 40,000	\$ 40,000

Wastewater CIP - Capital Improvement Program (Revised 5/6/2019 - For Discussion Only)

Wastewater Projects		Ranking	Project Cost	10-Yr Cost
5	Repainting of WWTP	2	\$ 30,000	\$ 30,000
6	Repainting of lift station facilities	2	\$ 10,000	\$ 10,000
		Subtotal	\$ 40,000	\$ 40,000
7	Seal coat AC pavement at WWTP	4	\$ 65,000	\$ 65,000
		Grand Total	\$ 17,120,500	
		Priority 1 Total	\$ 3,068,000	
		Priority 2 Total	\$ 215,000	
		Priority 3 Total	\$ 1,670,000	
		Priority 4 Total	\$ 290,000	
		SST Total	\$ 11,877,500	