

Pursuant to Governor Newsom's Executive Order N-29-20, members of the Resources & Infrastructure Committee and staff will participate in this meeting via a teleconference. Members of the public can submit written comments to the Deputy District Clerk at boardcomment@cambriacsd.org.



CAMBRIA COMMUNITY SERVICES DISTRICT

David Pierson, Chair of the Resources & Infrastructure Committee, hereby calls a Special Meeting pursuant to California Government Code Section 54956. The Special Meeting will be held: **Tuesday, June 23, 2020, 2:00 PM**. The purpose of Special Meeting is to discuss or transact the following business:

NOTICE OF SPECIAL MEETING

CAMBRIA COMMUNITY SERVICES DISTRICT RESOURCES & INFRASTRUCTURE COMMITTEE

**Tuesday, June 23, 2020
2:00 PM**

Please click the link below to join the webinar:

<https://zoom.us/j/94244910697?pwd=RkF4Ry9pZmVtODFydTV4a3BWSDR0Zz09>
Password: 952286

Or iPhone one-tap:

US: +16699006833, 94244910697# or +13462487799, 94244910697#

Or Telephone:

Dial (for higher quality, dial a number based on your current location):

US: +1 669 900 6833 or +1 346 248 7799 or +1 253 215 8782 or +1 929 205 6099 or +1
301 715 8592 or +1 312 626 6799

Webinar ID: 942 4491 0697

International numbers available: <https://zoom.us/j/94244910697>

Copies of the staff reports or other documentation relating to each item of business referred to on the agenda are on file in the Office of the District Clerk, available for public inspection during District business hours. The agenda and agenda packets are also available on the CCSD website at www.cambriacsd.org. Please call 805-927-6223 if you need any assistance. If requested, the agenda and supporting documents shall be made available in alternative formats to persons with a disability. The Committee Chairperson will answer any questions regarding the agenda.

- 1. CALL TO ORDER**
- 2. ESTABLISH QUORUM**

3. CHAIRMAN'S REPORT

4. PUBLIC COMMENT ON AGENDA ITEMS

5. REGULAR BUSINESS

- A. Discussion and Consideration of Establishing an Ad Hoc Committee for the Investment Grade Audit (IGA)
- B. Review and Discuss the CCSD Capital Improvement Project (CIP) List Compared to the Investment Grade Audit (IGA) Report from PG&E Dated June 2, 2020

6. FUTURE AGENDA ITEMS

7. ADJOURN

CAMBRIA COMMUNITY SERVICES DISTRICT

TO: Standing Resources & Infrastructure Committee

AGENDA ITEM NO. **5.B.**

FROM: John F. Weigold IV, General Manager
David Pierson, Committee Chairman

Meeting Date: June 23, 2020

Subject:

Review and Discuss the CCSD Capital Improvement Project (CIP) List Compared to the Investment Grade Audit (IGA) Report from PG&E Dated June 2, 2020

Recommendation:

Review and discuss the CCSD CIP list compared to the IGA Report from PG&E, dated June 2, 2020.

Summary:

The PG&E IGA report of June 2, 2020 delineated the Energy Conservation Measures (ECMs) that could be accomplished as part of their design-build contract. These ECMs were initially generated from the CIP list generated by staff and reviewed by the committee. The CIP list established priorities for work to be done on both the Water Systems and the Wastewater Systems. Committee member Gray suggested the Resources & Infrastructure Committee review the work proposed and see if it matches the priorities previously determined.

Attachments: PG&E slides from the IGA report of June 2, 2020

CIP list

Selected slides from the MKN report of June 2, 2020



CAMBRIA COMMUNITY
SERVICES DISTRICT

CCSD

Energy & Infrastructure Project

IGA Workshop #1 – June 2, 2020



- Welcome/Introductions
- SST Review
- ECM Overview
- Rate Update & Funding Discussion
- Approval Process
- Go-Forward & Action Items



Identify, design and implement Energy-Saving Projects that . . .

- Reduce energy consumption and cost
- Improve facility performance and comfort
- Minimize impact on O&M staff
- Advance Climate Action Goals (GHG/CO₂)

Feasibility
Assessment

Investment
Grade Audit

Implementation

Measurement
and Verification



CAMBRIA COMMUNITY
SERVICES DISTRICT



By Fund . . .

Switch to MKN Material



CAMBRIA COMMUNITY
SERVICES DISTRICT



Budgetary Planning Costs (+/- 20%)

Sewer and Water Funds, ECM Budget Costs

Sewer Fund Items	
Blow er consolidation / replacement	457,179
Flow equalization (incl tank refurbishment)	922,043
Modified Ludzak - Ettinger upgrade	1,012,326
Secondary Water (3W) improvements	218,985
RAS / WAS improvements	733,792
Influent lift stations	1,025,772
Effluent pump stations	374,580
Replace transformer, new Y series breaker	382,991
Generator replacement	543,189
SCADA	455,259
Lift stations (B1, B4, A)	2,739,235
Sludge thickening tanks	971,987
Tertiary treatment	1,048,823
Total	10,886,161

Water Fund Items	
Well sites	658,876
Booster stations	3,435,377
Domestic water tanks	1,965,103
Total	6,059,357





Cambria CSD
San Simeon Well Site
Cambria, CA 93428



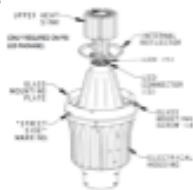



Fixed Tilt Groundmount System
1,232 - 375W panels = 462 kWp

Rev: 04/21/2020

LED Street Lights

APPROVED Models

The following new LED decorative streetlights, parts and accessories are approved for purchase.

Name	Photo	Name	Photo
Granville LED Acorn (Holophane) 2700K		Salem LED Gen 2 (GE) 2700K	
Granville LED Base Unit (Holophane) 2700K		Epic LED (Eaton Cooper) 2700K	
Granville LED Acorn with Ribs/Bands/Finial, Black (Holophane) 2700K, 3000K, 4000K		Granville LED Acorn Replacement Globe with Ribs/Bands/Finial, Black (Holophane)	

General Fund Items, ECM Budget Costs

General Fund Items	
Solar PV	2,041,172
Veteran's Hall Lighting	4,034
District-owned Street Lighting	17,980
Total	2,063,186



Rates, Budgets & Funding

Update & Discussion



CAMBRIA COMMUNITY
SERVICES DISTRICT



How do we get from here to there? . . .

- ECM Selection/Confirmation
- Sub-contractor Procurement
- Firm-Fixed Implementation Cost Proposal
- District Approval
- CA Government Code 4217
- Funding
- Design-Build Construction



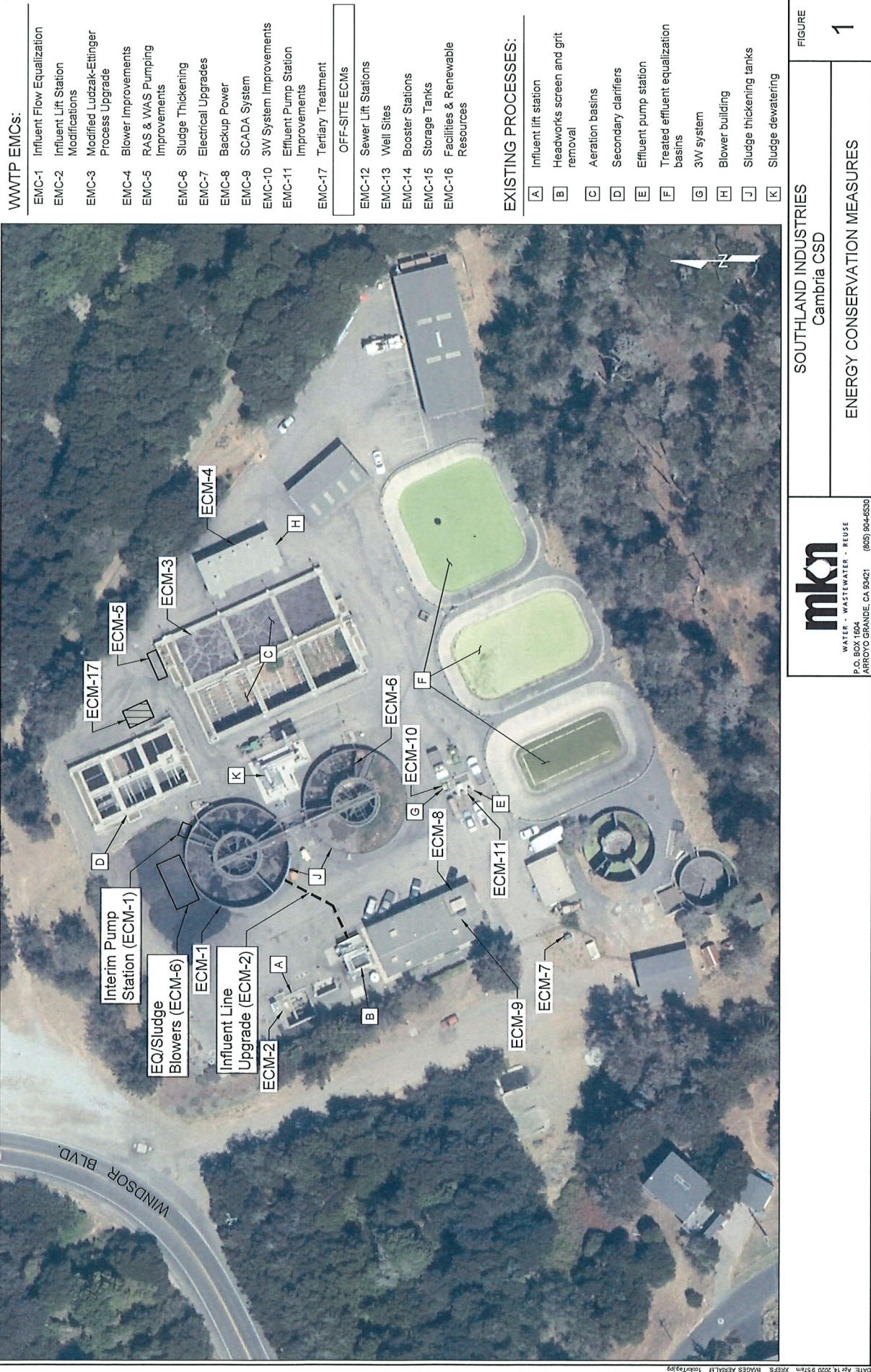
Stay Safe and Healthy!



A	B	C	D	E	F	G
1	Wastewater CIP - Capital Improvement Program (Revised 4/1/2020 - For Discussion Only)					
2	Wastewater Projects	Ranking	Project Cost	10-Yr Cost	Actual Cost	Notes
3	FY	Wastewater Treatment Plant Projects in SST				
4	19-20	Investment Grade Audit (30% Design for all ECMs)	SST	\$ 160,000	\$ 688,404	Added 2/26
5		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	
6		Secondary Water System (3W) Improvements (ECM 10) - Submersible pumps, hydrpneumatic tank, demo, electrical/I&C	SST	\$ 185,000	\$ 185,000	
7		Sewer Lift Stations (ECM 12) - Lift Station B1, Lift Station B4, Electrical/I&C	SST	\$ 3,945,000	\$ 3,945,000	
8		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	
9		Modified Ludzak-Ettinger Process Upgrade (ECM 3) - MLE conversion based on Carollo 2015 Study minus VFD costs; header repair	SST	\$ 853,750	\$ 853,750	
10		Influent Flow Equalization (ECM 1) - New or refurbished EQ tanks based on Carollo 10% design	SST	\$ 1,060,000	\$ 1,060,000	
11		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	
12		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	
13		SCADA System (ECM 9) - New SCADA system based on Carolla 10% Design	SST	\$ 721,250	\$ 721,250	
14		Backup Power (ECM 8) - 365 kW NG Generator; Demo; Propane backup	SST	\$ 497,500	\$ 497,500	
15		Blower System Improvements (ECM 4) - Replace 2 blowers; duct replacement	SST	\$ 1,345,000	\$ 1,345,000	
16		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	
17		Subtotal		\$ 12,037,500	\$ 12,565,904	
18		Treatment Plant Projects Not in SST				
19	18-19	Replace Digester Catwalks	1	\$ 45,000	\$ 45,000	\$ 43,720
20	18-19	Influent screen, support platform design, & installation	1	\$ 164,509	\$ 164,509	\$ 156,675
21		Clarifier Repairs (replace eastern drive unit's metallic hubs with non-corrosive hubs)	1	\$ 35,000	\$ 35,000	
22		Subtotal		\$ 244,509	\$ 244,509	\$ 200,395
23		Collection System Projects				
24		Lift Station B-2 (Wood Dr./E. Lodge Hill) new control panel at grade el.	1	\$ 425,000	\$ 425,000	
25		Lift Station B-3 (Green St./W. Lodge Hill) new control panel	1	\$ 250,000	\$ 250,000	
26		Lift Station 4 (DeVault Pl/Seaclift Estates) VFDs /new elect panel & 3 phase pump motors	1	\$ 85,000	\$ 85,000	
27		Lift Station A (Nottingham & Leighton/Park Hill) new submersible pumps, MCC, bypass piping	1	\$ 400,000	\$ 400,000	
28		Lift Station A (Nottingham & Leighton/Park Hill) control panel at grade el	1	\$ 90,000	\$ 90,000	
29		Lift Station A-1 (Sherwood & Harvey/Marine Terrace) submersible pumps, bypass piping	1	\$ 265,000	\$ 265,000	
30	19-20	Lift Station A-1 (Sherwood & Harvey/Marine Terrace) MCC, SCADA improvements	1	\$ 45,000	\$ 45,000	\$ 50,835
31		Subtotal		\$ 1,560,000	\$ 1,560,000	\$ 50,835
32		Lift Station B improvements (SR Creek/behind Park Hill) new control panel	2	\$ 75,000	\$ 75,000	
33		Lift Station B - new wet well, submersible pumps, and valve vault (placeholder	3	\$ 300,000	\$ 300,000	
34		Collection System Assessment software (E.g, t4 Spatial or other)	3	\$ 10,000	\$ 10,000	
35		Annual Collection System Assessment/engineering for repairs (extended number of years - SSMP has this occurring over 10 yrs)	3	\$ 30,000	\$ 300,000	
36		Lift Station B-3 (Green St./W. Lodge Hill) submersible pumps, MCC, bypass piping	3	\$ 250,000	\$ 250,000	
37		Lift Station B - replace existing generator	3	\$ 60,000	\$ 60,000	
38		Subtotal		\$ 650,000	\$ 920,000	
39		Annual SCADA System Maintenance or Upgrades - Collections System	4	\$ 25,000	\$ 25,000	
40		Collection System smoke testing	4	\$ 50,000	\$ 50,000	
41		Subtotal		\$ 75,000	\$ 75,000	

A	B	C	D	E	F	G
1	Wastewater CIP - Capital Improvement Program (Revised 4/1/2020 - For Discussion Only)					
2	Wastewater Projects	Ranking	Project Cost	10-Yr Cost	Actual Cost	Notes
42	Vehicles and Trailer- Mounted Equipment					
43	19-20	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	
44	18-19	F-350 Service Truck with Crane Body	1	\$ 57,040	\$ 57,040	\$ 56,540
45	19-20	Vactor truck - replace with new \$430K truck that meets emission requirements (7 yr loan @ 4.5%)	1	\$ 518,000	\$ 518,000	\$ 402,435
46	19-20	Replacement Rack Truck (F-150)	-	\$ -	\$ -	\$ 24,193
47		Subtotal		\$ 625,040	\$ 625,040	\$ 483,168
48	Non-CIP Wastewater Projects					
49	Major Maintenance					
50	18-19	Paint Digester Handrails	1	\$ 15,000	\$ 15,000	\$ 17,000
51		Cleaning of aeration basins (after screen installation)	1	\$ 20,000	\$ 20,000	
52		Cleaning of pipelines from headworks to aeration tanks (after screen installation), including cleanout additions	1	\$ 10,000	\$ 10,000	
53		Annual Collection System Repairs to reduce I/I & damaged pipe sections	1	\$ 50,000	\$ 500,000	
54		Annual manhole raising due to street overlays & roadway work/Manhole cover replacements	1	\$ 10,000	\$ 100,000	
55		Subtotal		\$ 105,000	\$ 645,000	\$ 17,000
56		Western clarifier - Replace clarifier chain, wear shoes, skid plates, & sprockets	2	\$ 40,000	\$ 40,000	
57		Eastern clarifier - Replace clarifier chain, wear shoes, skid plates, & sprockets	2	\$ 40,000	\$ 40,000	
58		Repainting of WWTP	2	\$ 30,000	\$ 30,000	
59		Repainting of lift station facilities	2	\$ 10,000	\$ 10,000	
60		Subtotal		\$ 120,000	\$ 120,000	
61		Seal coat AC pavement at WWTP	4	\$ 65,000	\$ 65,000	
62	Annual Inspections and Reserves					
63		Annual manhole inspections and report on needed corrections (approx. 20% of system/yr)	1	\$ 40,000	\$ 400,000	
64		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	
65		Five-Year Replacement and New PCs for operators (Initial purchase and then build reserves)	1	\$ 10,000	\$ 20,000	
66		Vehicle Replacement Program (Annual reserves)	1	\$ 25,000	\$ 250,000	
67		Portable equipment replacement program - backhoes, generators and pumps (Annual reserves)	1	\$ 15,000	\$ 150,000	
68		Subtotal		\$ 140,000	\$ 1,320,000	
69		Grand Total		\$ 18,215,453	\$ 751,398	
70	Budgeted for FY 2019-2020			Priority 1 Total	\$ 4,394,549	\$ 751,398
71	Completed			Priority 2 Total	\$ 195,000	
72	In Progress			Priority 3 Total	\$ 920,000	
73	Not Started			Priority 4 Total	\$ 140,000	
74				SST Total	\$ 12,565,904	

A	B	D	E	F	G	H
Water CIP - Capital Improvement Program (Revised 4/1/2020 - For Discussion Only)						
		Ranking	Project Cost	10 yr Cost	Actual Cost	Notes
FY	Water Distribution System Projects					
19-20	Pressure Zone 2 to Zone 7 transmission main replacement @ SR Creek pedestrian bridge	1	\$ 120,000	\$ 120,000	\$ 4,471	In Permitting
19-20	Water Meter Replacements & Upgrades (phased)	1	\$ 186,000	\$ 1,050,000	\$ 500	Developing RFP
6	Piney Way erosion control inspection report and follow-up protection efforts for existing pipeline	1	\$ 10,000	\$ 10,000		
	Priority 1 Subtotal		\$ 316,000	\$ 1,180,000	\$ 4,971	
	Subzone metering of distribution system	2	\$ 150,000	\$ 150,000		
	Replacement of problematic service lines within Leimert	3	\$ 130,000	\$ 130,000		
	Water Master Plan Amendment (revised fire flow modeling/tank sizing check)	3	\$ 35,000	\$ 35,000		
	Priority 3 Subtotal		\$ 165,000	\$ 165,000		
	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		
	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					
19-20	SCADA System - Long-term Water Portion	1	\$ 250,000	\$ 250,000	\$ 49,457	Phase 1 Done
	Stuart Street Tank Replacement (125K gallon welded steel tank with new foundation)	2	\$ 458,000	\$ 458,000		Recategorized 2/26
	Electrical transfer switch and conduit to well SS-3	2	\$ 25,000	\$ 25,000		
19-20	San Simeon well field generator replacement	2	\$ 100,000	\$ 100,000	\$ 50,449	
	Priority 2 Subtotal		\$ 583,000	\$ 583,000	\$ 50,449	
	Rodeo Grounds Pump Station Replacement (aka Zone 2 Booster pump station)	3	\$ 1,016,000	\$ 1,016,000		
	Vehicles and Trailer-Mounted Equipment					
18-19	Replacement Dump Truck	1	\$ 76,000	\$ 76,000	\$ 74,871	
18-19	Trailer-Mounted Air Compressor	2	\$ 15,000	\$ 15,000	\$ 22,557	
18-19	Trailer-Mounted Vacuum Extractor	2	\$ 48,000	\$ 48,000	\$ 46,169	
	Priority 2 Subtotal		\$ 63,000	\$ 63,000	\$ 68,726	
	Non-CIP Projects					New Section 2/26
	Major Maintenance					
	Annual Water pipelines, pumps, and PRV repairs and replacements	3	\$ 50,000	\$ 500,000	\$ 19,126	Recategorized 2/26
	Valve Replacements	3	\$ 20,000	\$ 20,000		Recategorized 2/26
	Priority 3 Subtotal		\$ 70,000	\$ 520,000	\$ 19,126	
	Water conservation					
	Database for water conservation program/tracking with parcel links & APN file conversion	1	\$ 10,000	\$ 10,000		
	Annual Inspections & Reserves					
	Annual GIS updating & upgrades	1	\$ 10,000	\$ 100,000		Recategorized 2/26
	Vehicle Replacement Program Reserves (Accumulate Funds)	1	\$ 25,000	\$ 250,000		
	Contingency/reserves (Accumulate Funds)	1	\$ 15,000	\$ 150,000		
	Priority 1 Subtotal		\$ 60,000	\$ 510,000		
	Grand Total		\$ 4,619,000	\$ 267,600		
			Priority 1 Total	\$ 1,940,000	\$ 129,299	
			Priority 2 Total	\$ 733,000	\$ 119,175	
			Priority 3 Total	\$ 1,701,000	\$ 19,126	
			Priority 4 Total	\$ 245,000		
SWF CIP - Capital Improvement Program (Revised 4/30/2019 - For Discussion Only)						
		Ranking	Project Cost	10 yr Cost	Actual Cost	
	Permitting					
	EIR consulting (follow up agency discussions to support the SWF's Regular CDP)	1	\$ 28,609	\$ 28,609		Increased cost 2/26
19-20	Section 7 ESA consulting, annual AMP report, & AMP update	1	\$ 100,000	\$ 100,000	\$ 40,487	
	Priority 1 Subtotal		\$ 128,609	\$ 128,609	\$ 40,487	
	Interim, short-term SWF Modifications					
18-19	Short-term flood damage mitigation	1	\$ 10,000	\$ 10,000	\$ 12,566	Recorded as M&R
18-19	Hauling of last 18" of water and cleaning impoundment	1	\$ 35,000	\$ 35,000	\$ 94,515	
	Modifications to facilitate off-hauling RO waste (secondary containment, grading, rock, purchase tanks)					
19-20	a) Secondary Containment, Grading, Rock	1	\$ 20,000	\$ 20,000	\$ 473	Recorded as M&R
19-20	b) Tank purchase	1	\$ 80,000	\$ 80,000	\$ 27,563	
	Priority 1 Subtotal		\$ 145,000	\$ 145,000	\$ 135,118	
	Advanced Water Treatment Plant					
	Miscellaneous instrumentation / monitoring upgrades	2	\$ 10,000	\$ 10,000		
19-20	Filters / membrane replacements and build reserves for future	2	\$ 60,000	\$ 120,000	\$ 59,639	Revised 2/26
	Priority 2 Subtotal		\$ 70,000	\$ 130,000	\$ 59,639	
	Long-Term Improvement Modifications					
	Consulting assistance for coordination with Army Corps on WRDA grant (meetings, redefine work plan, & update scope of work)	1	\$ 40,000	\$ 40,000		
	Future permanent mods at SWF for trailer fill station [transfer tanks, piping, & spill containment/loading pad] (1,2)	2	\$ 200,000	\$ 200,000		
	AWTP pull-barn style covers for outdoor equipment & control panels (1,2)	2	\$ 50,000	\$ 50,000		
	Priority 2 Subtotal		\$ 250,000	\$ 250,000		
	Sems, Hach WIMS, or custom programmer for logging/reporting software and tablets (yr 1 is software/programming assistance)	3	\$ 25,000	\$ 25,000		
	Installation of remote sensing instrumentation at SS creek (needs access agreement with State Parks)	3	\$ 10,000	\$ 10,000		
	Solar Array System (1,2)	3	\$ 375,000	\$ 375,000		
	Priority 3 Subtotal		\$ 410,000	\$ 410,000		
	Grand Total		\$ 1,103,609	\$ 235,244		
	Budgeted for FY 2020		Priority 1 Total	\$ 313,609	\$ 175,605	
	Completed		Priority 2 Total	\$ 380,000	\$ 59,639	
	In Progress		Priority 3 Total	\$ 410,000		
	Not Started		Priority 4 Total	-		



WWTP ECMs:

- EMC-1 Influent Flow Equalization
- EMC-2 Influent Lift Station Modifications
- EMC-3 Modified Ludzak-Ettinger Process Upgrade
- EMC-4 Blower Improvements
- EMC-5 RAS & WAS Pumping Improvements
- EMC-6 Sludge Thickening
- EMC-7 Electrical Upgrades
- EMC-8 Backup Power
- EMC-9 SCADA System
- EMC-10 3W System Improvements
- EMC-11 Effluent Pump Station Improvements
- EMC-17 Tertiary Treatment

OFF-SITE ECMs

- EMC-12 Sewer Lift Stations
- EMC-13 Well Sites
- EMC-14 Booster Stations
- EMC-15 Storage Tanks
- EMC-16 Facilities & Renewable Resources

EXISTING PROCESSES:

- A Influent lift station
- B Headworks screen and grit removal
- C Aeration basins
- D Secondary clarifiers
- E Effluent pump station
- F Treated effluent equalization basins
- G 3W system
- H Blower building
- J Sludge thickening tanks
- K Sludge dewatering

SOUTHLAND INDUSTRIES
Cambria CSD

ENERGY CONSERVATION MEASURES

mka
WATER • WASTEWATER • REUSE
P.O. BOX 1604
ARROYO GRANDE, CA 93421 (805) 964-6530

FIGURE

1

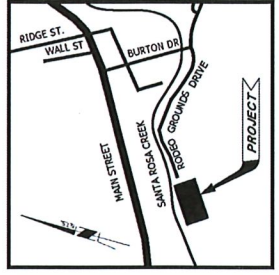
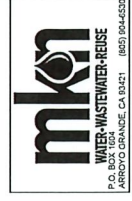
DATE: Apr 18, 2020 9:51am. USER: mka. PROJECT: S:\Projects\Southland\mka\BPE\55700\Drawings\201\CAMBRIA\WWTPL\1_Energy Conservation Measures.dwg. USER: jfrancois



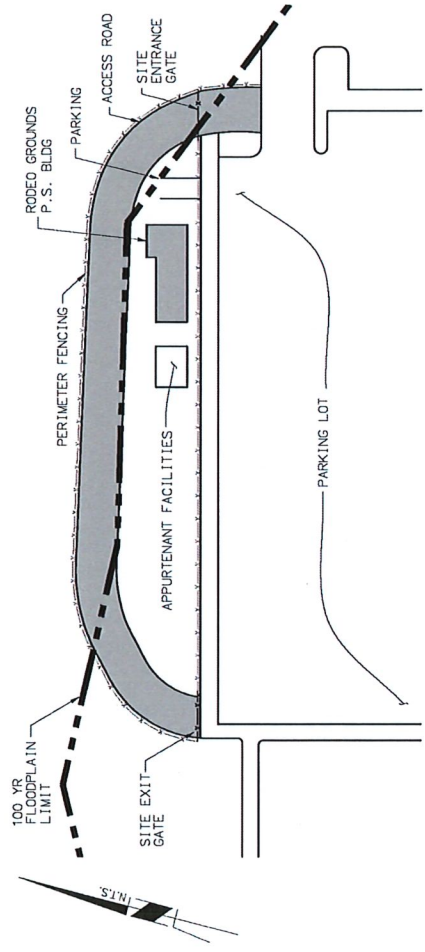
PROJECT TITLE: SOUTHLAND INDUSTRIES
 Cambria Community Services District SST WWTP IGA
 SHEET TITLE: ECM-14
 RODEO GROUNDS BOOSTER STATION



DESIGNED BY: EBS
 DRAWN BY: JPF
 CHECKED BY: —
 APPROVED BY: —
 SCALE: AS NOTED ON PLANS
 DATE: MAY 2020
 PREPARED BY: XXXXXXXX
 PLAN FILE NO./LOCATION: XXXXXXXX
 SHEET NO.: ECM-14
 3 of XX



1
SITE PLAN
N.T.S.

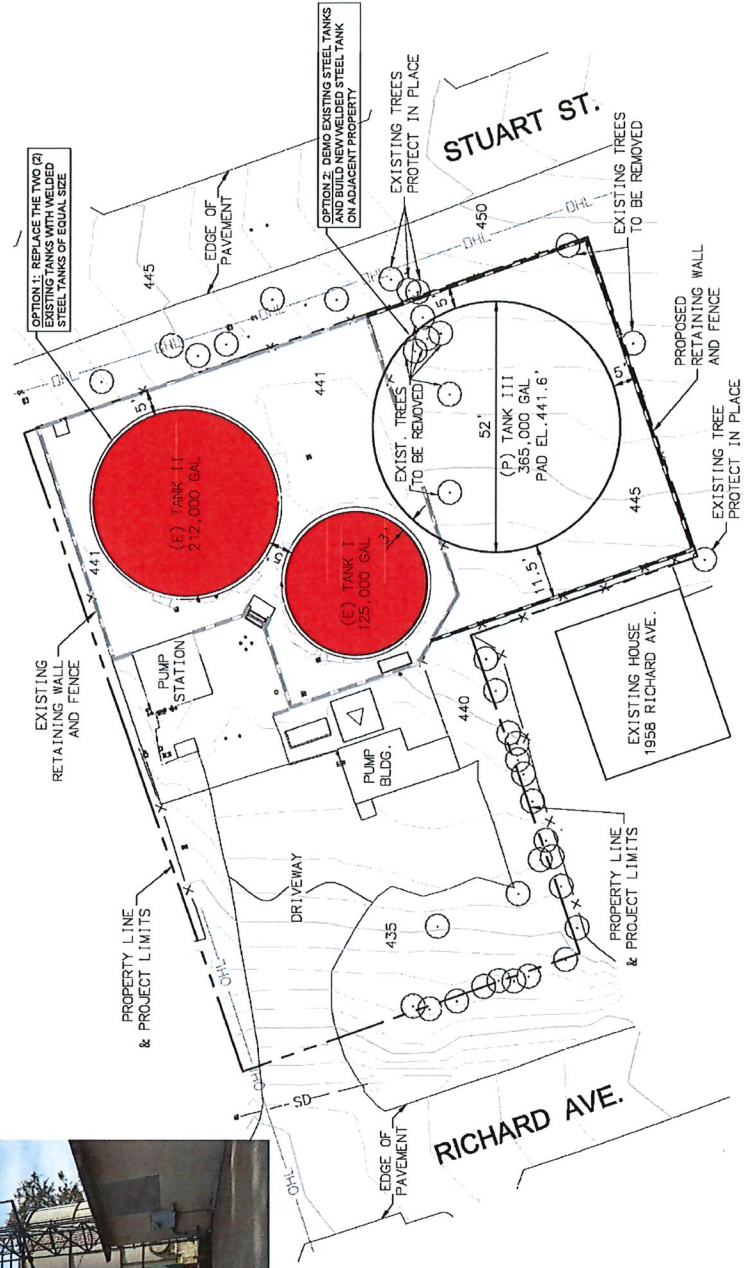


2
PLAN
N.T.S.

0 1/2" = 1' (AS SHOWN)
 DATE: MAY 2020
 DRAWN BY: J.P. FIFE
 CHECKED BY: —
 APPROVED BY: —



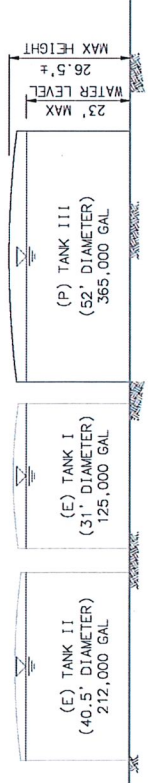
DESIGNED BY	ELKS
DRAWN BY	JPF
CHECKED BY	—
APPROVED BY	—
SCALE	AS NOTED ON PLANS
DATE	MAY 2020
SPECIFICATION NO.	XXXXXXXX
PLAN FILE NO./LOCATION	XXXXXXXX
SHEET NO.	ECM-15
TOTAL SHEETS	1 of XX



PLAN
N.T.S.

NOTES:

1. ABOVE GRADE STEEL CONSTRUCTION.
2. SEPARATE INLET AND OUTLET PIPELINES 180 DEGREES APART.
3. ELECTRICAL CONSIGTS PRIMARILY OF LIGHTING, CONTROLS, AND TELEMETRY, SERVED BY A 120/240V METERING PEDESTAL TO BE INSTALLED AT THE SITE.
4. HYDRAULICALLY OPERATED ALTITUDE VALVE AT TANK INLET, CLA-VAL MODEL 210-D1, GLOBE STYLE VALVE.
5. TANK VOLUME OF 365,000 GALLONS MEETS THE FIRE FLOW SUPPLY AT 2,500 GPM.
6. NEW TANK ON ADJACENT PROPERTY IS UNDER ORIGINAL JURISDICTION OF THE COASTAL ZONE.



ELEVATION VIEW
NOT TO SCALE