Wastewater CIP - Capital Improvement Program (Revised 10/25/2018 - For Discussion Only)

Expansion [X], % % % Priority Budget Year Replacement [R] X R O Ranking

 Replacement [K]
 X
 K
 O
 Ranking

 Operations [O]
 Projected

						1st Half	2nd Half									
			 -			FY18/19	FY18/19	FY19/20	FY20/21	FY21/22	FY22/23	FY23/24	FY24/25	FY25/26	FY26/27	Total
Wastewater Projects Wastewater Treatment Plant Projects																
1 Influent screen, support platform design, & installation	R/O	20	80		1	\$ 164,509										\$ 164,509
Design & install switch between WWTP's main incoming power transformer supply & existing MCC		20	80		1		\$ 75,000									\$ 75,000
3 Neutral wire installation from PG&E-provided delta to wye main replacement transformer to main MCC	R	20	80		1		\$ 20,000									\$ 20,000
4 Replace WWTP main power supply breaker and auto-transfer switch; (or, do project 5B.)	R	20	80		1			\$ 30,000								\$ 30,000
5 Replace main incoming power Motor Control Center with Y-configuration supply; (or, do project 5A)	R X/R/O	20	80	80	1		\$ 40,000	\$ 300,000								\$ 300,000
6 WWTP Update BNR Modeling Update & Value Engineering (early half of FY) 7 Aeration tank baffles, anoxic mixers, & ML recirc system (later half of FY)	R/O	20	20 80	80	1			\$ 80.000								\$ 120,000
8 Replace digester catwalk handrailings (painting is not included, & is to be funded from 6032T, WWTP maintenance & repair)	R	20	80			\$ 45.000	7 40,000	\$ 50,000								\$ 45,000
9 Plant non-potable 3W improvements & non-potable sprays for screw press	-	20	80		1	7 10,000		\$ 15,000								\$ 15,000
10 Improve grit tank hydraulic capacity (placeholder, insert approx \$10K cost if needed)	X/R/O	20	20	80	1			,								\$ -
11 Replace effluent punp (southern pump)		20	80		1		\$ 25,000									\$ 25,000
12 Effluent P.S. bypass piping		20	80		1			\$ 20,000								\$ 20,000
13 Miscl WWTP lab upgrades & investment in electronic self-monitoring reporting				80	1		\$ 10,000	\$ 10,000	\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,000	\$ 41,000
14 Incoming power supply monitoring & conditioning system (8/24/2018 ElSpec Quote + 25K estimate to install)	R	20	80		2		\$ 61,105									\$ 61,105
15 Automate aeration D.O. control system (CVs at air headers, press control @ main air header, new DO probes) 16 Upgrade/replace aeration blowers	X/R/O X/R/O	20		80 80	2	-	\$ 50,000 \$ 30,000	\$ 100,000 \$ 150,000								\$ 150,000 \$ 180,000
17 Blower electrical room air filtration/conditioning for moisture & corrosion control	X/R/U	20	80	80	2			\$ 150,000								\$ 10,000
18 Replace main WWTP backup power generator		20	80		2	<u> </u>		7 10,000	\$ 200,000							\$ 200,000
19 Repair or replace protective surge tank for plant effluent pipeline		20	80		2			\$ 25,000	ψ 200,000							\$ 25,000
20 Annual electrical & instrumentation improvements	X/R/O	20		80	2		\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000				\$ 360,000
21 SCADA System - WWTP - long-term improvements	X/R/O	20	20	80	2		\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 225,000
22 Cathodic protection replacements at digesters	R	20	80		3				\$ 10,000							\$ 10,000
23 Long-term plant upgrades - new sludge digester, flow equalization improvements, denite/phosphorous removal		20	80		3				\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000		\$ 1,500,000
24 Demo and remove old flow equalization tanks in SW corner of plant				100	3			\$ 40,000								\$ 40,000
25 Paint Handrails							\$ 15,000									
Collection System Projects Manhole raising due to street overlays & roadway work		20	80		1		\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10.000	\$ 90,000
26 Manhole raising due to street overlays & roadway work 27 Lift Station A (Nottingham & Leighton/Park Hill) new control panel at grade el.	X/R/O	20		80	1		\$ 10,000	\$ 80,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 90,000
28 Lift Station A-1 (Sherwood & Harvey/Marine Terrace) new control panel at grade el.	X/R/O	20		80	1	<u> </u>	\$ 65,000	\$ 60,000								\$ 65,000
29 Lift Sation B improvements (SR Creek/behind Park Hill) new control panel	X/R/O	20		80	1		Ç 03,000									\$ -
30 Lift Station B - new wet well, submersible pumps, and valve vault (placeholder)	X/R/O	20	20	80	1						\$ 300,000					\$ 300,000
31 Lift Station B-1 (Village Ln/Tin City) relocate away from Feb 2017 landslide area (potential 50% FEMA 406 funding)	X/R/O	20	20	80	1			\$ 300,000								\$ 300,000
32 Lift Station B-2 (Wood Dr./E. Lodge Hill) new control panel at grade el.	X/R/O	20	20	80	1			\$ 75,000				\$ 35,000	\$ 315,000			\$ 425,000
33 Lift station 9 - replace corroded main incoming power breaker			100		1		\$ 5,000									\$ 5,000
34 SCADA System - Collections System - long-term improvements	X/R/O	20	20	80	2		\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 225,000
35 Collection System smoke testing		_		100	2		\$ 50,000	40.000	40.000	÷ 40.000	† 10.000					\$ 50,000
36 Annual manhole inspections and report on needed corrections (approx. 20% of system/yr) 37 Collection System Phased televising & cleaning	R/O			100 100	2		\$ 40,000 \$ 100,000	\$ 40,000 \$ 100,000	\$ 40,000 \$ 100,000	\$ 40,000 \$ 100,000	\$ 40,000 \$ 100.000					\$ 200,000 \$ 500,000
38 Collection System Assessment software (E.g., t4 Spatial or other)	K/O			100	2		\$ 10,000	\$ 100,000	\$ 100,000	\$ 100,000	3 100,000					\$ 10,000
39 Collection System Assessment/engineering for repairs				100	2		\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000					\$ 150,000
40 Collection System Repairs to reduce I/I & damaged pipe sections				100	2		\$ 50,000	\$ 50,000				\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 450,000
41 Lift Station A (Nottingham & Leighton/Park Hill) new submsersible pumps, MCC, bypass piping	X/R/O	20	20	80	2					\$ 50,000	\$ 350,000					\$ 400,000
42 Lift Station A-1 (Sherwood & Harvey/Marine Terrace) submersible pumps, MCC, bypass piping	X/R/O	20	20	80	2					\$ 40,000	\$ 225,000					\$ 265,000
43 Lift Station B - replace existing generator	X/R/O	20	20	80	2			\$ 60,000								\$ 60,000
44 Lift Station B-3 (Green St./W. Lodge Hill) new control panel followed by future submserible pumps, MCC, bypass piping	X/R/O	20		80	2			\$ 90,000			\$ 160,000					\$ 250,000
45 Lift Station B-4 (Green & Gleason/W. Lodge Hill) new submserible pumps, bypass piping	X/R/O	20	20	80	2		4 40.000			\$ 20,000	\$ 240,000	4				\$ 260,000
46 Replacement and New PCs for operators	D/O		20	80	2		\$ 10,000	ć 25.000	ć 60.000			\$ 10,000				\$ 20,000
47 Lift Sation 4 (DeVault PI/Seaclift Estates) VFDs /new elect panel & 3 phase pump motors 48 Annual maintenance and upgrading to GIS (moved \$5K from capital program to WW acct 6080M)	R/O R/O			80 80	3			\$ 25,000 \$ 10,000		\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 85,000 \$ 80,000
49 Manhole cover replacements	NyO		20	80	3		\$ 20,000	J 10,000	J 10,000	3 10,000	3 10,000	3 10,000	3 10,000	3 10,000	3 10,000	\$ 80,000
Vehicles and Trailer-Mounted Equipment							Ç 20,000									
50 Vactor truck - replace with new \$430K truck that meets emssion requirements (7 yr loan @ 4.5%)		20	80		2		\$ 50,000	\$ 74,000	\$ 74,000	\$ 74,000	\$ 74,000	\$ 74,000	\$ 74,000	\$ 24,000		\$ 518,000
51 Vehicle Replacement Program			100		3		\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000		\$ 25,000		\$ 25,000	\$ 25,000	\$ 225,000
52 Portable equipment replacement program (backhoes, generators and pumps)					4		\$ 15,000	\$ 15,000				\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 135,000
F350 or equal service truck with crane & mechanics body (\$56K initial cost; 5 yr loan @ 4.25%)							\$ 6,000	\$ 13,400	\$ 13,400	\$ 13,400	\$ 13,400	\$ 6,800				
54 Pearpoint or equal TV inspection camera							\$ 50,000									
Overhead CIP Projects Fig. Single of Nilling of Structure and August August Structure and August Au	5/0		30	90	2		ć 35.000	ć F0.000								ć 75.000
55 Finance/billing software upgrade (wastewater est'd @ 50%) 56 Contingency/reserves (amount remains TBD)	R/O X/R/O	20	20		3 4		\$ 25,000	\$ 50,000								\$ 75,000
56 Contingency/reserves (amount remains TBD)	X/K/U	20	20	δU	4											γ -
Notes:	Total Per Year (a	s)	Г		\$ 209 509	\$ 1,047,105	\$ 1 937 400	\$ 1,000,400	\$ 840 400	\$ 2,005,400	\$ 598,800	\$ 802,000	\$ 437,000	\$ 163,000	\$ 8,889,614	
Department priority projects/ependitures for remaining of FY		Total Per Year (all priorities) Revised to meet projected increase		se		2 200,000	\$ 211,000	+ 2,557,400	+ 2,000,400	+ 510,100	+ 2,000,400	÷ 550,000	÷ 552,000	+ .57,000		\$ 211,000
Shaded to show costs that would be deferred in order to balance remaining FY expenditures with revenue increase	Priority Level 1 p					\$ 209,509		\$ 920,000	\$ 13,000	\$ 13,000	\$ 313,000	\$ 48,000	\$ 328,000	\$ 13,000		\$ 2,170,509
Revised timing of project expense	Priority Level 2 p					\$ -		\$ 839,000			\$ 1,379,000					\$ 4,569,105
	Priority Level 3 p					\$ -	\$ 50,000	\$ 150,000							· · · ·	\$ 2,015,000
	Priority Level 4 p	orojects:				\$ -	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 135,000
	Cummulative Total \$ 209,509 \$ 1,256,614 \$ 2,146,909 \$ 3,147,309 \$															
	Cummulative To	tal				\$ 209,509	\$ 1,256,614	\$ 2,146,909	\$ 3,147,309	\$ 3,987,709	\$ 5,993,109	\$ 6,591,909	\$ 7,393,909	\$ 7,830,909	\$ 7,993,909	\$ 8,889,614

Water Projects (Revised 10/25/2018 - For Discussion Only)

	Preliminary costs need to be updated & tied to a an ENR/year basis.	Expansion [X], Replacement [R]	% %] X R	% 0	Priority Ranking	Mid	Budget Year											
Line/Project		Operations [O]			· ·	Year	Projected	EV40/40 0 1										
No						E)(4.5./4.7	FY 18/19 - 1st		EV4.0 /20	E1/20/24	EV24 /22	EV/22 /22	EV. 22 / 24	FV2.4./2F	EV2E /25	EV.05 /07	EV27/20	
No.	Description					FY16/17	half	half	FY19/20	FY20/21	FY21/22	FY22/23	FY23/24	FY24/25	FY25/26	FY26/27	FY27/28	
	Water Distribution System Projects		20 00		1			¢ 20.000	¢ 400.000									ć 420.0
1	Pressure zone 2 to zone 7 transmission main @ SR Creek pedestrian bridge		20 80		1			\$ 20,000	\$ 100,000	.	4 50.000							\$ 120,00
2	Subzone metering of distribution system	2/0		100				d 50.000	\$ 50,000	\$ 50,000		4 200 000	d 200 000					\$ 150,00
3	Water Meter Replacements & Upgrades	R/O	75		_			\$ 50,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000					\$ 1,050,00
4	Water Master Plan Amendment (revised fire flow modeling/tank sizing check	R/O/X	20 80	,	2				\$ 35,000			ć 450.000						\$ 35,00
5	Stuart Street Tank Replacement (125K gallon welded steel tank with new foundation	D/O	10		2			ć 25.000	ć 50.000	ć 50.000	¢ 50,000	\$ 458,000	ć 50.000	ć 50.000	ć 50.000	ć 50.000	ć 50.000	\$ 458,00
6	Water pipelines, pumps, and PRV repairs and replacements	R/O	10	0	2		ć 10.000	\$ 25,000	\$ 50,000	\$ 50,000		\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	· · ·	\$ 475,00
7	Valve Replacements		20 00		2		\$ 10,000	\$ 10,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 200,00
8	Inspection & spot repair to water transmission main under S. Parks wetlands area; or do 7E		20 80		3					\$ 80,000	ć 450.000	¢ 016 000						\$ 80,00
9	Lining of transmission main under S. Parks wetlands area (alt to relocate ~ \$612K to \$1.16 million), or do 7/	2/0	20 80	_	3					\$ 50,000		\$ 816,000						\$ 1,016,00
10	Pine Knolls - Iva Court zone 1 pipeline expansion	R/O	20 80		3				ć 10.000	\$ 40,000	\$ 125,000							\$ 165,00
11	Piney Way erosion control protection for existing pipeline	0		100					\$ 10,000									\$ 10,00
12	Study & predesign for pipeline in State Parks wetlands				3			40.000	\$ 30,000	d 10.000	4 40 000	4 10 000	d 10.000	4 40 000	4 40 000	d 10.000	4 40 000	\$ 30,00
13	Replacement of problematic service lines within Leimerl	2/0		100	3		4 40 000	\$ 10,000	\$ 10,000	\$ 10,000		\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 100,00
14	Annual GIS updating & upgrades	R/O		100			\$ 10,000		\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 100,00
15	Replacement of problematic service lines within Leimerl				3		\$ 40,000					\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 100,00
1.0	Water Treatment			100	2			ć 10.000	ć 1.000	ć 1.000	¢ 4.000	† 4.000	ć 4.000	ć 4.000	ć 1.000	ć 1.000	ć 1.000	ć 10.0
16	Electonic self monitoring reporting program (yr 1 is software + consulting, yrs 2 + are annual tech support			100	2			\$ 10,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 19,00
	Tank & Booster Pump Station Projects	2.04	20 00					4 25 222	4 404 000	4 500 000	4 400 000							d 4 00 C 0
17	Rodeo Grounds Pump Station Replacement (aka Zone 2 Booster pump station	R/X	20 80		2			\$ 25,000	\$ 101,000	\$ 500,000	\$ 400,000							\$ 1,026,00
18	Electrical transfer switch and conduit to well SS-3	0	20 00	100	_				\$ 25,000	.								\$ 25,00
19	San Simeon well field generator replacement	R/O	20 80		2			4 40 000	4 50.000	\$ 100,000	A 50.000	4 50.000						\$ 100,00
20	SCADA System - Long-term Water Portion	R/O	50	50	3			\$ 10,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000						\$ 210,00
24	Water conservation	V/D/O	00	20	2			¢ 40.000	ć 10.000									ć 20.00
21	Database for water conservation program/tracking with parcel links & APN file conversior	X/R/O	80	20	3			\$ 10,000	\$ 10,000									\$ 20,00
22	Vehicles & Trailer Mounted-Equipment						A 75 000											A 76.00
22	Replacement Dump Truck (alternativey, a 76 K purchase with 6 yr loan @ 5% would be 13,000 per yr.		1		1		\$ 76,000											\$ 76,00
23	Trailer Mounted Air Compressor	0	10	_	2		\$ 22,700											\$ 22,70
24	Trailer mounted, Vacuum Excavator	0	10	00	2		\$ 48,000	4 25 200	A 25 222	d 25.000	4 25 222	d 25 222	d 25.000	4 25 222	d 25.000	d 25.000	4 25 222	\$ 48,00
25	Vehicle Replacement Program				2			\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 250,00
	Overhead Projects	- /-							4									\$ -
26	Finance/billing software upgrade (water est'd @ 50%)	R/O	10		1			\$ 50,000	\$ 25,000									\$ 75,00
27	User Fee study (water rates portion)	0		00	1													\$ - \$ -
28	Contingency/reserves (amount remains TBD)	R/O	10	0	4													\$ -
					1	1 4	4 205 700	4 245 222	A 752.000	.		A 4 650 000	d 226 222	125.000	4 425 222	4 405 000	4 425 222	l
Notes:						\$ -			\$ 752,000	\$ 1,186,000	\$ 1,091,000	\$ 1,650,000	\$ 326,000	\$ 126,000	\$ 126,000	\$ 126,000	\$ 126,000	
	Department priority projects/ependitures for remaining of FY		neet projecte		9	ć		\$ 185,000	ć 275 000 l	ć 250.000	¢ 250,000	ć 200.000	ć 200.000	l ć	ć	ć	¢	\$ 185,00
	Shaded to show costs that would be deferred to subsequent year.	Priority	Level 1 pro	jects:		\$ -	\$ 76,000	\$ 120,000	\$ 375,000	\$ 250,000	\$ 250,000	\$ 200,000	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ 1,471,00
	Shows projects that were unshaded and recommended during 10/30/2018 Infrastructure Committee meeting						4 00 700	4 05 000	4 257 222	4	400000	4	4 00000	4 05 000	4 05 000	4 05 000	4 05 000	4 2 550 7
	<u> </u>		Level 2 pro	•		\$ -	\$ 80,700		\$ 257,000	\$ 696,000		· · · · · · · · · · · · · · · · · · ·	\$ 96,000	\$ 96,000	\$ 96,000	\$ 96,000	<u> </u>	\$ 2,658,70
			Level 3 pro	-		\$ -	\$ 50,000	\$ 30,000	\$ 120,000	\$ 240,000	\$ 345,000	\$ 896,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 1,831,00
		Priority	Level 4 pro	jects:		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	۶ -
						I &	d 200 705	d 454 705	¢ 4 202 705	ć 2.200 TO	6 2 402 725	Ć F 400 700	¢ = 450.700	¢ = =00 ===	¢ = 700 755	¢ 5 00 4 70 5	¢ = 000 700	L
						\$ -	\$ 206,700	\$ 451,700	\$ 1,203,700	\$ 2,389,700	\$ 3,480,700	\$ 5,130,700	\$ 5,456,700	\$ 5,582,700	\$ 5,708,700	\$ 5,834,700	\$ 5,960,700	\$ 5,960,70

\$ 175,000 \$ 221,000 \$ 397,000 \$ 399,000 \$ 401,000 \$ 403,000 \$ 405,000 \$ 407,000 \$ 409,000 \$ 411,000 \$ 457,000

SWF Projects (Revised 10/25/2018 - For Discussion Only) Preliminary costs need to be updated & tied to a an ENR/year basis. Expansion [X], % % Priority Replacement [R] X R O Ranking Check of total Line/ Project Operations [O] % % % First Half 2nd Half No. Description X R O FY18/19 FY18/19 FY19/20 FY20/21 FY21/22 FY22/23 FY23/24 FY24/25 SWF Projects Regular Coastal Development Permitting Support EIR consulting (follow up agency discussions to support the SWF's Regular CDP) 10,000 10,000 Section 7 ESA consulting, annual AMP report, & AMP update Legal assistance for CEQA support and any subsequent appeals (amounts each year remain to 20 80 125,000 125,000 be determined and are not shown) Interim, short-term SWF Modifications Modifications to facilitate off-hauling RO concentrate, & addition of a flow meter at the AWTP. 50.000 50,000 **Advanced Water Treatment Plant Improvements** Miscelaneous instrumentation / monitoring upgrades 20 80 10.000 10,000 **Long-Term Improvement Modifications** Consutling assistance for coordination with Army Corps on WRDA grant (meetings, redefine 20,000 20,000 work plan, & update scope of work) 40,000 Sems, Hach WIMS, or custom programmer for logging/reporting software and tablets (yr 1 is 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 software/programming assistance) 22,000 uture permanent mods at SWF for trailer fill station [transfer tanks, piping, & spill contrainment/loading pad] (1,2) 200,000 200,000 AWTP pull-barn style covers for outdoor equipment & control panels (1,2) 50.00 50,000 Installation of remote sensing instrumentation at SS creek (needs access agreement with 10.000 20 10 State Parks) 10,000 Surface Water Treatment Plant (SWTP) for Holding Basin and Well SS-1 treatment 150,000 600,000 600,000 1,350,000 Pipeline from Well SS-1 to surface water treatment plant (SWTP) 80 75,000 350,000 425,000 Impoundment basin conversion to groundwater storage, pump station at storage basin, and 3 connecting pipelines 80 75,000 350,000 425,000 olar Array System (1,2) 375,000 375,000 14 2017 Cease & Desist Order Compliance - Non-capitalized Expenses Short term flood damage/CDO response - consultants for surveying, project mngt assistance& inspection, surface water hydrology & geohydrological Short term flood damage mitigation - drainage swale construction 20 80 Short term flood damage mitigation - temporary closure plan equipment, installation, rentals, 100 10,000 and temp power & controls 10,000 Hauling off the last 18-inches of impoundment water & emptied impoundment cleaning 100 35,000 35.000 \$ 175,000 \$ 46,000 \$ 222,000 \$ 2,000 \$ 2.000 \$ 2.000 \$ 2.000 \$ 2.000 \$ 2.000 \$ 2.000 S 457.000 Subtotal: Revised to meet projected increase 20,000 20,000 Department priority projects/ependitures for remaining of FY \$ 175,000 \$ 20,000 195,000 Priority Level 1 projects: Shaded to show costs that would be deferred Priority Level 2 projects: 26,000 \$ 222,000 2,000 \$ 2,000 \$ 2,000 2,000 2,000 2,000 2,000 262,000

Priority Level 3 projects: Priority Level 4 projects:

Cumulative:

Notes: Red font indicates future projects that may qualify for Army Corps project funding via the existing federal Water Resource Development Act (WRDA) grant. If approved by Army Corps, costs could become zero due to past local share cost credit (see note 2 below).

Estimated operational cost (not includded in total for capital cost)

- 1 Solar array estimated at 250 KW, & approximately \$1.50 per KW installed. Future candidate for Renewable Energy System Credit Transfer (RESCT), which could conceivably allow applying production towards remote CCSD electrical loads, such as WWTP.
- 2 Cost shown do not include any reduction from a 75% federally-funded existing WRDA grant with the Army Corps and are subject to the terms of a project cooperative agreement. Costs shown do not include any local share credit of approximately \$3 million, which as previously approved by the Army Corps. The grant, as well as proposed cost components, need to be revisited with the Army Corps and incorporated into the Corps project management plan updating process.