

Phelan Pinon Hills Community Services District

Enterprise Capital Improvement Projects 2019-2020

	No.	Water Master Plan Phase	Location	Description	Fiscal Year (FY)								10-Year Plan (Fiscal) Total	11+ Year Plan (Fiscal)			
					2018/2019	2019/2020	2020/2021	2021/2022	2022/2023	2023/2024	2024/2025	2025/2026			2026/2027	2027/2028	
																2027/2028 (Future)	
Master Plan Production	1	1	Additional Water Supply (Well 9A Replacement, proposed 9C)	Study												\$10,000.00	
				Design / Engineering													\$10,000.00
				Drilling / Housing / Plumbing / Electrical													\$90,000.00
Master Plan Reservoirs	2	2	Site 6A - New (0.6 MG)	Land Acquisition			\$50,000.00								\$50,000.00	To Be Updated Upon Completion of Updated Master Plan	
Master Plan Boosters	3	1	Site 3C - Booster "A" (264 to 350) GPM & Booster "B" (233 to 350) GPM Upsize	Design / Engineering	\$15,000.00	\$15,000.00									\$30,000.00		
				Construction			\$65,000.00								\$65,000.00		
				Electrical			\$5,000.00								\$5,000.00		
Projects with Growth	4		Site 2B Boosters Upgrade (New Building, piping, electrical)	Design / Engineering												\$10,000.00	
				Housing												\$340,000.00	
				Electrical												\$10,000.00	
	5	1	Site 4C - New (1.3 MG)	Design / Engineering												\$10,000.00	
				Construction												\$900,000.00	
	6	1	Site 5B - New (1.2 MG)	Design / Engineering												\$10,000.00	
				Construction												\$700,000.00	
	7	2	Site 6A Tank - PZ6 Improvement Project - Rezoning Pipeline Project, Pinon Hills Rd. and Beekley Ct. Pipelines (\$40x2,032 LF by school connection fees)	Topographic Survey													
				Design / Engineering	\$5,000.00											\$5,000.00	
	8	2	Site 7B - New (0.3 MG)	Construction			\$81,200.00									\$81,200.00	
Design / Engineering																\$10,000.00	
9	2	Site 3C - New (1.7 MG)	Construction													\$200,000.00	
			Design / Engineering													\$10,000.00	
10	1	L1 - Additional Booster	Design / Engineering													\$8,000.00	
			Construction													\$30,000.00	
			Electrical													\$10,000.00	
Smithson Springs	11		Smithson Springs Canyon Tank and Pipeline	SCADA												\$10,000.00	
				Topographic Survey												\$0.00	
				Design	\$5,000.00	\$5,000.00										\$10,000.00	
Dairy Well Pipeline	12		Chromium 6 Pipeline Project (pipeline, blending tank, booster station, etc.) (loans and grants)	Construction			\$25,000.00								\$25,000.00		
				Study / Design												\$0.00	
Land Acquisition	13		Future Expansion Sites	Construction			\$4,000,000.00	\$6,000,000.00	\$7,000,000.00						\$17,000,000.00		
				Purchase													
Future Admin. Building	14		Future Administration Building (APN 3066-251-01, 9535 Sheep Creek Road)	Design / Engineering / County Fees / Construction			\$25,000.00	\$100,000.00	\$100,000.00	\$100,000.00					\$0.00		
															\$325,000.00		
Water	15		Adjudication	Cost	\$10,000.00										\$10,000.00		
Solar	16		Solar Site	Security video camera install											\$0.00		
80ac Scho ol Site	17		PZ6 System Upgrades - Zone extensions, Booster Sta. 2A ("B") upgrade	Booster "B" upgrade											\$0.00		
														\$0.00			

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Enterprise Capital Improvement Projects 2019/2020 (cont.)

	No.	Location	Description	Fiscal Year (FY)										10-Year Plan (Fiscal) Total	10+ Year Plan (Fiscal) 2027/2028 (Future)	
				2018/2019	2019/2020	2020/2021	2021/2022	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028			
	18	Urban Water Management Plan (Update in years ending in "5" and "0")	Update		\$35,000.00										\$35,000.00	
	19	2020 Water Master Plan (update hydraulic model)	2018 - GIS & Hydraulic Model / 2019 WMP Update		\$35,000.00										\$35,000.00	
Sub-Total CIP FY Cost:				\$35,000.00	\$171,200.00	\$4,170,000.00	\$6,100,000.00	\$7,100,000.00	\$100,000.00	\$0.00	\$0.00	\$0.00	\$0.00			

Enterprise 10-Year Repair and Maintenance Plan 2019-2020

	No.	Location	Description	Fiscal Year (FY)										10-Year Plan (Fiscal) Total	10+ Year Plan (Fiscal) 2027/2028 (Future)	
				2018/2019	2019/2020	2020/2021	2021/2022	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028			
Projects	20	Tank Maintenance 10-Year Contract (\$713,500) yr 1-2 (\$198,750) yr 3-10 (\$39,500) plus staff time; (2011 to 2020) potential 10-year contract 2021-2030	Maintenance	\$45,000.00	\$45,000.00	\$45,000.00	\$45,000.00	\$45,000.00	\$45,000.00						\$270,000.00	
	21	Level Control/Pump Control/High Pressure Blow-off Control Valves / PRV Station maintenance. Well #14 PRV (164 valves total each year)	Maintenance	\$20,000.00	\$20,000.00	\$20,000.00									\$60,000.00	
	22	Well 6A & 1B Rehabilitation / Maintenance (one well every 4th year after)	Well 6A, Well 1B, and Well 8	\$150,000.00	\$150,000.00	\$150,000.00		\$150,000.00							\$600,000.00	
	23	Booster Rehab (5 boosters each year)	Rehabilitation	\$50,000.00	\$60,000.00	\$60,000.00									\$170,000.00	
	24	Exterior Tank Blast and Paint (23 Total - 10 remaining, 5 every other year)	Blast and Paint	\$95,000.00		\$150,000.00		\$125,000.00							\$370,000.00	
	25	SCADA site Upgrade (SCADA Upgrade completed 2015)	Equip Well No. 3 and Mt. Well	\$50,000.00	\$18,000.00	\$5,000.00									\$73,000.00	
	26	PRV (Emergency By-Pass)	rebuilt / replacement and maintenance	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00						\$60,000.00	
	27	1.0 MG Tank Interior Coatings (Res. 1A-3, 2A-2, 2C-2 & 1B) \$80k/tank proposed for 10-year maintenance contract for 2021-2030	Res 1B-1 center column Blast and Paint			\$175,000.00	\$185,000.00	\$195,000.00	\$205,000.00						\$760,000.00	
	28	Leak Maintenance Program	Service Line Replacement	\$150,000.00	\$150,000.00	\$160,000.00	\$165,000.00	\$170,000.00	\$175,000.00						\$970,000.00	
	29	Solar - Operation and Maintenance Contact with SunPower (10 year)	O & M cost	\$35,575.00	\$35,575.00	\$35,575.00	\$35,575.00	\$35,575.00	\$35,575.00						\$213,450.00	
	30	SCADA TESCO	support / services / training		\$15,000.00	\$15,000.00									\$30,000.00	
	31	Caltrans Widening of Highway 18 - (13) Fire Hydrant relocation	Construction	\$71,500.00											\$71,500.00	
	32	Reservoir 1B-1	center column replacement	\$5,000.00											\$5,000.00	
33	Tank 6A Site - Pneumatic Redundancy	Engineering		\$20,000.00										\$20,000.00		
			Construction		\$80,000.00									\$80,000.00		
Sub-Total R & M:				\$682,075.00	\$603,575.00	\$825,575.00	\$440,575.00	\$730,575.00	\$570,575.00	\$0.00	\$0.00	\$0.00	\$0.00			

Total CIP & Maintenance	\$717,075.00	\$774,775.00	\$4,995,575.00	\$6,540,575.00	\$7,830,575.00	\$670,575.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	10-Year Maintenance Plan:	\$3,752,950.00	
													10-Year Plan Fiscal Total:	\$21,429,150.00	
													10+ Year Projects w/ Growth Total:	\$3,568,000.00	