

ATTACHMENT 1. ENERGY OPTIMIZATION MEASURES TO BE COMPLETED, 2020 AND FORWARD

No.	Project / Measure	Recommendation	Energy (MWh/Yr)	Estimated Cost	Completion Date (* projected)	Status (May 2020)
1	Anderson Hydro Facility: Continue to perform preventive maintenance and update operational procedures to optimize generation and improve reliability	Implement	N/A	As part of existing O&M tasks	On-Going	On-going (preventative maintenance and testing performed regularly)
19	Rinconada Treatment Plant: Investigate Operations Building HVAC system replacements.	Perform investigation	TBD	\$8,000	FY21*	In Progress
39	HQ: place outdoor lighting with energy efficient technologies	Implement	3.0	\$35,000		
41	HQ: cooling Tower Replacement with new CVHS chiller	Perform investigation	TBD	\$4,000		
42	HQ: place chiller	Perform investigation	TBD	\$4,000		
43	HQ: d VFDs on chilled and heating water pumping systems	Needs further analysis	TBD	\$5,000		
48	Admin: place outdoor lighting with equivalent higher efficiency technologies	Implement	2.0	\$20,000		
Rinconada Treatment Plant						
14	Investigate filter media backwashing operations to enhance filter runs.	Perform investigation	TBD	\$6,000	Deferred (until during/after RWTP RIP design and commissioning)	Deferred (until during/after RWTP RIP design and commissioning)
15	Review flow requirements for the plant water system to see if pressure settings or number of pumps running can be reduced during the day or during periods of low demand.	Needs further analysis	TBD	\$4,000		
16	Investigate Operations Building HVAC control settings and temperature adjustment during the day.	Perform investigation	TBD	\$6,000		
17	Modify operation of the Rinconada Finished Water Booster System to keep the VFD driven pump above 80 percent speed which is a more efficient operating point	Needs further analysis	TBD	\$500		
18	Investigate replace older motors on equipment with new motors with higher efficiency where applicable.	Perform investigation	TBD	\$4,000		

Note: 37 measures of the Energy Optimization Plan were completed prior to 2020.

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