

Plant Equipment	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
WATER TREATMENT										
Intake #1										
Low Service Pump #4	\$ 44,280	\$ 180,000								
Low Service Pump #4 VFD								\$ 50,000		
Low Service Pump #5	\$ 111,180	\$ 600,000								
Low Service Pump #6	DEMO'D									
Traveling Screen		\$ 75,000								\$ 10,000
Sluice Gate					\$ 5,000					\$ 5,000
Bar Screen and Bubbler System	\$ 5,000				\$ 5,000					\$ 5,000
Overhead Bridge Crane			\$ 28,000							
Roof					\$ 20,000					
Electrical and I/C		\$ 75,000								\$ 75,000
Intake Bldg. Structural Repairs										\$ 30,000
Intake #2										
Low Service Pump #7					\$ 30,000					
Low Service Pump #8					\$ 30,000					
Low Service #7 Bowl and Impeller Modifications (per CDM study)										
Low Service Pump #9							\$ 98,500	\$ 500,000		
Traveling Screen: \$42 - Design; \$250K - Construction		\$ 44,100	\$ 200,000					\$ 10,000		
Sluice Gate					\$ 5,000					\$ 5,000
Bar Screen and Bubbler System	\$ 5,000				\$ 5,000					\$ 5,000
Overhead Crane			\$ 28,000							
HVAC								\$ 10,000		
Roof					\$ 20,000					
Electrical and I/C			\$ 75,000							\$ 75,000
Intake Bldg. Structural Repairs								\$ 30,000		
Chemical Addition Process										
Lime Silo			\$ 5,000							
Lime Feeder #1		\$ 20,000					\$ 5,000			
Lime Feeder #2			\$ 20,000					\$ 5,000		
Outside Coagulant Storage Tank & Transfer Pump		\$ 40,000	\$ 10,000							
Inside Coagulant Storage Tank & Transfer Pump			\$ 15,000							
Flash Mix #1				\$ 40,000						
Flash Mix #2		\$ 15,000								
Carbon Silo, Feeder		\$ 5,000	\$ 12,500		\$ 20,000					
Raw Water KMnO4 Feeder	\$ 10,000								\$ 10,000	
Raw Water Carbon Feeder		\$ 5,000								
Electrical and I/C	\$ 5,000	\$ 15,000								

Yellow figures are estimated Professional Service costs including CA, EDC, and Inspection. Green figures are estimated Construction costs. (Typical)

Blue figures are maintenance items only. (Typical)

Plant Equipment	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Sedimentation Basins #5&6 Structural Repairs								\$ 20,000		
Flocculation Basins #11-16 Structural Repairs								\$ 20,000		
Filtration										
Filter Media (20)		\$ 50,000								
Turbidimeters (20)			\$ 50,000							
Backwash Pump #1							\$ 25,000			
Backwash VFD #1							\$ 20,000			
Backwash Pump #2							\$ 25,000			
Backwash VFD #2							\$ 20,000			
Backwash Valves and Valve Actuators (1-10 / FY16, 11-20 FY15)	\$ 250,000							\$ 30,000		
Influent Valves and Valve Actuators (20 each)		\$ 30,000								
Effluent Valves and Valve Actuators (20 each)				\$ 30,000						
Waste Valves and Valve Actuators (20 each)		\$ 30,000								
Air Scour Valves and Valve Actuators (20 each)		\$ 30,000								
HVAC (3 Units) & Ventilation Fans	\$ 180,000									\$ 10,000
Doors & Louvers										
Roof					\$ 20,000					
Electrical and I/C - Filtration		\$ 25,000								\$ 25,000
Filter Gallery Structural Repairs								\$ 30,000		
Filter Building Structural Repairs								\$ 30,000		
Clearwells										
Clearwell No. 1 thru 4 Structural Repairs							\$ 20,000	\$ 100,000		
Clearwell No. 5 Structural Repairs - Surface blasting and recoating				\$ 50,000						
Clearwell No. 6 Structural Repairs									\$ 30,000	
High Service										
High Service Pump #5	\$ 108,646	\$ 551,500								
High Service Pump #6			\$ 200,000							
High Service Pump #7		\$ 50,000							\$ 200,000	
Roof					\$ 20,000					
Electrical and I/C			\$ 25,000							\$ 25,000
Overhead Hoist	\$ 50,000									
Process Waste Discharge										
Equalization Basin Pump #1		\$ 5,000								
Equalization Basin Pump #2		\$ 5,000								
Equalization Basin Pump #3		\$ 5,000								
EQ Basin Pump Panel Upgrade										
Electrical and I/C								\$ 10,000		
Equalization Basin Structure Structural Repairs			\$ 30,000							
Electrical Building										
Electrical System and Gear	\$10,000			\$ 10,000				\$ 10,000		

