

Project Name	2018	2019	2020	2021	2022	Plant Total
latan 1 - CEM	\$2,750,000	\$2,832,500	\$2,917,475	\$3,004,999	\$3,095,149	\$14,600,123
latan 1 - Yearly	\$0	\$2,500,000	\$0	\$0	\$0	\$2,500,000
latan 1 - Catalyst Replacement	\$0	\$0	\$0	\$0	\$2,500,000	\$2,500,000
latan 1 - Catalyst Replacement	\$0	\$500,000	\$0	\$0	\$0	\$500,000
latan 1 - CEMS Replacement	\$100,000	\$0	\$0	\$0	\$0	\$100,000
latan-1 - MCC 131 (Admin Building)	\$100,000	\$0	\$0	\$0	\$0	\$100,000
latan 1 - 6.9KV Relay Replacement	\$0	\$300,000	\$0	\$0	\$0	\$300,000
latan 1 - Eaton IT MCC Replacement	\$0	\$200,000	\$0	\$200,000	\$0	\$400,000
latan 1 - Air Heater Support Bearing	\$0	\$300,000	\$0	\$300,000	\$0	\$600,000
latan 1 - Circ Water Pump Remanufacture	\$0	\$400,000	\$0	\$400,000	\$0	\$800,000
latan 1 - FD Fans	\$200,000	\$200,000	\$200,000	\$225,000	\$225,000	\$1,050,000
latan-1 - Absorber Reycle Pumps	\$400,000	\$1,200,000	\$0	\$0	\$0	\$1,600,000
latan 1 - Deaerator Replacement	\$0	\$0	\$700,000	\$3,000,000	\$0	\$3,700,000
latan 1 - Sec Superheater Inlet Pendants	\$0	\$0	\$1,000,000	\$7,000,000	\$0	\$8,000,000
latan 1 - Pri SH Replacement	\$0	\$0	\$0	\$5,000,000	\$3,000,000	\$8,000,000
latan 1 - Replace - Upgrade IP rotor	\$0	\$0	\$3,000,000	\$9,000,000	\$0	\$12,000,000
latan 1 - Boiler Outlet Headers	\$1,000,000	\$15,000,000	\$0	\$0	\$0	\$16,000,000
latan 1 - LP Turbine Rotors	\$500,000	\$1,000,000	\$0	\$0	\$0	\$1,500,000
latan 1 - Feedwater treatment	\$650,000	\$0	\$0	\$0	\$0	\$650,000
latan 1 - Crusher Tower Elevator Replace	\$100,000	\$500,000	\$500,000	\$0	\$0	\$1,100,000
latan 1 - Clarified Water to Mist Eliminators	\$200,000	\$500,000	\$2,000,000	\$0	\$0	\$2,700,000
latan 1 - Clarifier underflow to FGD	\$300,000	\$0	\$0	\$0	\$0	\$300,000
latan 1 - High Energy Pipe Monitoring System	\$200,000	\$0	\$0	\$0	\$0	\$200,000
latan 1 - Lighting Replacement	\$800,000	\$1,100,000	\$0	\$0	\$0	\$1,900,000
latan 1 - Auxiliary Boiler Replacement	\$450,000	\$0	\$0	\$0	\$0	\$450,000
latan 1 - Pre-Tripper Hoist	\$500,000	\$0	\$0	\$0	\$0	\$500,000
latan 1 - Conveyor 2A-3B Upgrade	\$0	\$3,500,000	\$0	\$0	\$0	\$3,500,000
latan 1 - Pulverizer Rotating Classif	\$0	\$900,000	\$0	\$900,000	\$0	\$1,800,000
latan 1 - ID Fans	\$0	\$750,000	\$0	\$750,000	\$0	\$1,500,000
latan 1 - Sootblower Replacements	\$0	\$750,000	\$0	\$750,000	\$0	\$1,500,000
latan 1 - Pulverizer gearbox replacement	\$0	\$800,000	\$0	\$0	\$0	\$800,000
latan 1 - Fabric Filter Controls-Monitoring	\$0	\$500,000	\$1,000,000	\$0	\$0	\$1,500,000
latan 1 - Collector Well backup South Pond	\$0	\$650,000	\$0	\$0	\$0	\$650,000

latan 1 - Simulator Upgrade	\$0	\$500,000	\$0	\$0	\$0	\$500,000
latan 1 - AQC Service Water Supply	\$0	\$100,000	\$0	\$0	\$0	\$100,000
latan 1 - Generator End-Winding Monitor	\$0	\$150,000	\$0	\$0	\$0	\$150,000
latan 1 - Re-line Make-up Water Tank	\$0	\$200,000	\$0	\$0	\$0	\$200,000
latan 1 - Building Heat Exchanger	\$0	\$0	\$500,000	\$500,000	\$0	\$1,000,000
latan 1 Polisher Vessel Replacem	\$0	\$0	\$1,000,000	\$0	\$0	\$1,000,000
latan 1 - Polisher Upgrades and	\$0	\$0	\$500,000	\$1,000,000	\$0	\$1,500,000
latan 1 - HP Heater replacement	\$0	\$0	\$500,000	\$1,000,000	\$0	\$1,500,000
latan 1 - Collector Well backup Holding Basin	\$0	\$0	\$500,000	\$0	\$0	\$500,000
latan 1 - Zebra Mussel Abatement	\$0	\$0	\$0	\$0	\$1,200,000	\$1,200,000
latan 1 - Structure Parking	\$2,018,000	\$2,019,000	\$2,020,000	\$2,021,000	\$2,022,000	\$10,100,000
Project Name	2018	2019	2020	2021	2022	Plant Total
latan 2 - Replacement & Betterments	\$573,000	\$0	\$0	\$0	\$0	\$573,000
latan 2 - Evergreen Program DCS Upgrade	\$0	\$500,000	\$2,500,000	\$0	\$0	\$3,000,000
latan 2 - PJFF Bag Replacement	\$0	\$0	\$0	\$0	\$2,300,000	\$2,300,000
latan 2 - Catalyst Addition	\$0	\$250,000	\$2,250,000	\$0	\$0	\$2,500,000
latan 2 - Catalyst Addition 2020	\$200,000	\$0	\$200,000	\$0	\$200,000	\$600,000
latan 2 - Expansion Joint Replacement	\$800,000	\$0	\$200,000	\$0	\$200,000	\$1,200,000
latan 2 - Circ Water Pump Remanufacture	\$250,000	\$0	\$250,000	\$0	\$250,000	\$750,000
latan 2 - BFP Overhaul	\$250,000	\$0	\$250,000	\$0	\$250,000	\$750,000
latan 2 - Feedwater Booster Pumps	\$250,000	\$0	\$250,000	\$0	\$250,000	\$750,000
latan 2 - BOP Air Compressor Remanufacture	\$250,000	\$0	\$250,000	\$0	\$250,000	\$750,000
latan 2 - FF Air Compressor Remanufacture	\$300,000	\$0	\$300,000	\$0	\$300,000	\$900,000
latan 2 - Condensate Pump Remanufacture	\$300,000	\$0	\$300,000	\$0	\$300,000	\$900,000
latan 2 - FW Booster Pump Remanufacture	\$300,000	\$300,000	\$300,000	\$0	\$0	\$900,000
latan 2 - Final Cost of Piping and Intrum	\$200,000	\$200,000	\$200,000	\$225,000	\$250,000	\$1,075,000
latan-2 - Absorber Reycle Pump	\$400,000	\$0	\$400,000	\$0	\$400,000	\$1,200,000
latan 2 - BFP Remanufacture	\$500,000	\$0	\$500,000	\$0	\$500,000	\$1,500,000
latan 2 FD Fans	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$1,500,000
latan 2 - Absorber Recycle Pump Gearbox Replac	\$500,000	\$0	\$500,000	\$0	\$500,000	\$1,500,000
latan 2 - Eaton IT MCC Replacement	\$0	\$0	\$1,500,000	\$0	\$0	\$1,500,000
latan 2 - Economizer baffle replace	\$14,000,000	\$0	\$0	\$0	\$0	\$14,000,000
latan 2 - Superheater Replacement	\$0	\$5,000,000	\$5,000,000	\$0	\$0	\$10,000,000
latan 2 - Generator Core	\$5,000,000	\$0	\$0	\$0	\$0	\$5,000,000

latan 2 - Turbine Controls Upgrade	\$600,000	\$0	\$0	\$0	\$0	\$600,000
latan 2 - Replace LPA screens	\$600,000	\$600,000	\$600,000	\$600,000	\$600,000	\$3,000,000
latan 2 - Service Water Piping Replac	\$800,000	\$800,000	\$0	\$0	\$0	\$1,600,000
latan 2 - Pulverizer Remanufacture	\$800,000	\$0	\$0	\$0	\$0	\$800,000
latan 2 - Mist Eliminator	\$2,000,000	\$0	\$0	\$0	\$0	\$2,000,000
latan 2 - Cold End Airpreheater Basket	\$900,000	\$0	\$900,000	\$0	\$900,000	\$2,700,000
latan 2 - ID Fans	\$500,000	\$0	\$0	\$0	\$0	\$500,000
latan 2 - Clarifier Slump De-sander	\$0	\$0	\$700,000	\$0	\$0	\$700,000
latan 2 - Fabric Filter Controls-Monitoring	\$500,000	\$0	\$0	\$0	\$0	\$500,000
latan 2 - Boiler Pressure Reduct Syst	\$100,000	\$0	\$0	\$0	\$0	\$100,000
latan 2 - Generator End-Winding Monitor	\$1,820,000	\$0	\$0	\$0	\$0	\$1,820,000
latan 2 - Simulator upgrade	\$0	\$0	\$1,000,000	\$0	\$0	\$1,000,000
latan 2 - 2B Clarifier Internals	\$0	\$0	\$900,000	\$0	\$0	\$900,000
latan 2 - Aux Cooling Water Piping Replace	\$0	\$0	\$0	\$1,000,000	\$0	\$1,000,000
latan 2 - 2A Clarifier Internals	\$750,000	\$0	\$0	\$0	\$0	\$750,000
latan 2 - Redundant RH Temp Regulators	\$0	\$0	\$0	\$0	\$3,500,000	\$3,500,000
latan 2 - Aux Boiler Replacement	\$2,018,000	\$2,019,000	\$2,020,000	\$2,021,000	\$2,022,000	\$10,100,000
Project Name	2018	2019	2020	2021	2022	Plant Total
latan Station - Combustible Dust Control	\$0	\$0	\$0	\$100,000	\$1,000,000	\$1,100,000
latan Station - Extend outfalls to river	\$100,000	\$650,000	\$650,000	\$650,000	\$650,000	\$2,700,000
latan Station - MEGA Projects	\$500,000	\$0	\$0	\$0	\$0	\$500,000
latan Station - NFPA 70 E Upgrades	\$500,000	\$0	\$0	\$0	\$0	\$500,000
latan Station - Rotary Car Dumper	\$100,000	\$0	\$0	\$0	\$0	\$100,000
latan Station - Lighting Replacement	\$500,000	\$0	\$0	\$0	\$0	\$500,000
latan Station - Service Water-Firewater piping	\$3,000,000	\$0	\$0	\$0	\$0	\$3,000,000
latan Station - Stacker Reclaimer Ugrades	\$400,000	\$0	\$0	\$0	\$0	\$400,000
latan Station - Common Air Compressor	\$400,000	\$0	\$0	\$0	\$0	\$400,000
latan Station - Fuel Oil System Capacity	\$0	\$1,000,000	\$1,000,000	\$0	\$0	\$2,000,000
latan Station - Rail Siding Expansion	\$0	\$450,000	\$0	\$0	\$0	\$450,000
latan Station - ZLD Brine Recirculation	\$0	\$0	\$1,500,000	\$0	\$0	\$1,500,000
latan Station - Replace Gypsum Rotary Dryer	\$13,720,000	\$4,550,000	\$1,400,000	\$4,500,000	\$1,450,000	\$25,620,000
latan Common - Replace & Betterments	\$0	\$300,000	\$0	\$300,000	\$0	\$600,000
latan Common - MCC Replacement	\$0	\$300	\$0	\$300	\$0	\$600




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Haw 5 - SSH Outlet Pendant Replacement	\$5,000,000					\$5,000,000
Haw 5 - Boiler Blowdown Management	\$0	\$0	\$2,000,000	\$1,000,000	\$0	\$3,000,000
Haw 5 - DCS and Turbine Controls Evergreen					\$4,000,000	\$4,000,000
Haw 5 - SDA Basin Water Reuse System				\$1,000,000		\$1,000,000
Haw 5 - MEGA 5	\$200,000	\$500,000	\$500,000	\$500,000	\$0	\$1,700,000
Haw 5 - PJBH Bag Replacement 2021	\$0	\$0	\$500,000	\$2,800,000	\$0	\$3,300,000
Haw 5 - SCR Catalyst Replacement	\$0	\$750,000	\$1,200,000	\$0	\$0	\$1,950,000
Haw 5 - SCR Catalyst Repl (top layer)	\$0	\$0	\$0	\$750,000	\$1,300,000	\$2,050,000
Haw 5 - Inlet Umbilical Replacement				\$100,000	\$100,000	\$200,000
Haw 5 - New Boiler/Duct Analyzers			\$225,000	\$225,000		\$450,000
Haw 5 - Coat SDA Lime Tanks Exterior	\$150,000					\$150,000
Haw 5 - Coat SDA Lime Tanks Exterior	\$150,000					\$150,000
Haw 5 - Update Emergency Reclaim Safety Device	\$200,000					\$200,000
Haw 5 - Fuel Yard Dust Mitigation	\$0	\$1,000,000	\$0	\$0	\$0	\$1,000,000
Haw 5 - Traveling Screen 5A				\$100,000		\$100,000
Haw 5 - Atomizer Motor M3 Rewind			\$100,000			\$100,000
Haw 5 - Atomizer Motor M1 Rewind					\$100,000	\$100,000
Haw 5 - Pulverizer Motor Rewind TECO S/N D02203-4					\$100,000	\$100,000
Haw 5 - Traveling Screen 5B			\$100,000			\$100,000
Haw 5 - Atomizer Motor M2 Rewind	\$100,000					\$100,000
Haw 5 - Replace B Primary Air Damper	\$100,000					\$100,000
Haw 5 - Replace Economizer Flights and Chain			\$100,000			\$100,000
Haw 5 - Replace Transfer Flights and Chain			\$100,000			\$100,000
Haw 5 - Fuel Yard Crusher House MCC	\$125,000					\$125,000
Haw 5 - Circ Water Pump Discharge Valve 5B Replacement				\$150,000		\$150,000
Haw 5 - Rewind River Pump Motor 6805568			\$150,000			\$150,000
Haw 5 - Circ Water Pump Discharge Valve 5A Replacement			\$150,000			\$150,000
Haw 5 - Replace 480V MCC 5D	\$150,000					\$150,000
Haw 5 - Replace Steam Coils		\$150,000				\$150,000
Haw 5 - "A" Condenser Vacuum Pump Remanufactured		\$160,000				\$160,000



Project Name	2018	2019	2020	2021	2022	Plant Total
Haw 5 - "B" Condenser Vacuum Pump Remanufactured		\$160,000				\$160,000
Haw 5 - Condensate Pump 5A - Remanufactured					\$175,000	\$175,000
Haw 5 - Condensate Pump 5B - Remanufactured				\$175,000		\$175,000
Haw 5 - Mill B - Replace Rotating Throat				\$200,000		\$200,000
Haw 5 - Mill E - Replace Rotating Throat		\$200,000				\$200,000
Haw 5 - Heater Drain Pump Remanufacture	\$200,000					\$200,000
Haw 5 - A Pulverizer Gear Box (Gear Reducer)	\$250,000					\$250,000
Haw 5 - Replace 5 Condenser Dogbone			\$250,000			\$250,000
Haw 5 - Aux A Transformer Bushing Replacemer	\$250,000					\$250,000
Haw 5 - Aux B Transformer Bushing Replacemer	\$250,000					\$250,000
Haw 5 - SFC Chain & Flight Replacement		\$135,000		\$135,000		\$270,000
Haw 5 - Main Boiler Feed Pump Remanufactured					\$350,000	\$350,000
Haw 5 - Boiler Feedpump Replacement	\$350,000					\$350,000
Haw 5 - Remanufacture Intercept Valves			\$350,000			\$350,000
Haw 5 - Remanufacture Air Compressors A & D	\$350,000					\$350,000
Haw 5 - Replace RH Desuperheater Liner and Nozzle			\$400,000			\$400,000
Haw 5 - Mill D - Replace Rotating Throat		\$200,000	\$200,000			\$400,000
Haw 5 - FD Fan Rotor Replacement 5B		\$450,000				\$450,000
Haw 5 - FD Fan Rotor Replacement 5A	\$450,000					\$450,000
Haw 5 - E Pulverizer Gear Box Remanufacture (G	\$500,000					\$500,000
Haw 5 - Pulv Roll Wheel Assembly Remanufactured		\$250,000		\$250,000		\$500,000
Haw 5 - Circ Water Pump Runner Remanufactured 5B		\$350,000		\$350,000		\$700,000
Haw 5 - Circ Water Pump Runner Remanufacture	\$350,000		\$350,000		\$350,000	\$1,050,000
Haw 5 - Replace BFPT Exhaust Bellows	\$650,000					\$650,000
Haw 5 - Central Disperser Duct	\$700,000	\$0	\$0	\$0	\$0	\$700,000
Haw 5 - LPA Screen Replacement (2018)	\$700,000					\$700,000
Haw 5 - Lower Slope Wall Replacement		\$600,000	\$700,000	\$0	\$0	\$1,300,000
Haw 5 - HP/IP Overhaul, Packing, and Diaphragm Replacement					\$1,500,000	\$1,500,000
Haw 5 - Generator Rewedge / Field Out					\$2,000,000	\$2,000,000
Haw 5 - LP Overhaul Buckets, Spill Strips, and Packing		\$0	\$3,000,000	\$0	\$0	\$3,000,000

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Haw 5 - Vertical Reheater Replacement	\$0			\$1,500,000	\$4,500,000	\$6,000,000
Haw 5 - Classifier Replacement	\$1,800,000	\$5,000,000				\$6,800,000
Haw 5 - Replace Mill Primary Air Blast Gates	\$500,000					\$500,000
Haw 5 - Aux Boiler Controls Replacement	\$300,000					\$300,000
Haw 5 - Replace Atomizer Soft Stationrts	\$250,000					\$250,000
Haw 5 - Replace HEP Pipe Hangers	\$100,000		\$170,000		\$320,000	\$590,000
Haw 5 - Main and Aux Transformer Fire Protectio	\$125,000					\$125,000
Haw 5 - Main and Aux Transformer Fire Protectio	\$125,000					\$125,000
Haw 5 - Replace DCS Air Conditioning	\$500,000					\$500,000
Haw 5 - Replace Burner Line Elbows	\$200,000	\$100,000	\$200,000	\$100,000		\$600,000
Haw 5 - Dumper Washdown Valve and Controls	\$175,000					\$175,000
Haw 5 - Replace HP Feedwater Heater 2		\$500,000	\$1,500,000			\$2,000,000
Haw 5 - Turbine Lube Oil Cooler R		\$100,000	\$1,000,000			\$1,100,000
Haw 5 - Replace Air Lock Valves Between EFC and TFC		\$200,000				\$200,000
Haw 5 - Replace Hydrogen Dryer		\$400,000				\$400,000
Haw 5 - New Fire Protection Service Water Pump		\$500,000				\$500,000
Haw 5 - Replace Boiler O2 Probes		\$300,000				\$300,000
Haw 5 - Turbine Crane Replacement		\$1,000,000				\$1,000,000
Haw 5 - Cycle Isolation Valve Replacements		\$100,000		\$100,000		\$200,000
Haw 5 - Replace all Velocity Dampers and Expansion Joints			\$500,000			\$500,000
Haw 5 - Replace Gland Steam Condenser			\$750,000			\$750,000
Haw 5 - ID Fan Rotor Replacement 5B			\$750,000			\$750,000
Haw 5 - Control Valve Disk Replacement			\$1,000,000			\$1,000,000
Haw 5 - Replace Air Heater Guide Bearing			\$400,000			\$400,000
Haw 5 - Replace Bottle Header at SE Corner of Condenser			\$400,000			\$400,000
Haw 5 - Spare Air Heater Bearing			\$500,000			\$500,000
Haw 5 - Replace CCW-18 and CCW-38 with New Check Valve			\$100,000			\$100,000
Haw 5 - Replace Synchronuous Condenser			\$1,000,000			\$1,000,000
Haw 5 - Fuel Yard Ditch Replacement			\$1,500,000			\$1,500,000
Haw 5 - SCR Ash Sweeper System Add			\$300,000			\$300,000



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Haw 5 - Replace Coal Silo Exit Gate Valve with MOV			\$400,000			\$400,000
Haw 5 - SCR Inlet Hood Straightener Replacement			\$400,000			\$400,000
Haw 5 - Penthouse Cooling Improvements			\$100,000			\$100,000
Haw 5 - SCR Inlet Temperature Grid			\$200,000			\$200,000
Haw 5 - Ventilation and Motor Stationnd			\$850,000	\$850,000		\$1,700,000
Haw 5 - Baghouse Nuclear Detectors				\$200,000		\$200,000
Haw 5 - ID Fan Rotor Replacement 5A					\$750,000	\$750,000
Haw 5 - New Atomizers and Motors					\$2,000,000	\$2,000,000
Haw 5 - SDA Vessel Wall Replacement					\$1,000,000	\$1,000,000
Haw 5 - Crossover Expansion J					\$900,000	\$900,000
Haw Station - New Deep Well and Microfilter	\$1,500,000	\$3,500,000				\$5,000,000
Haw Station - B Aux Boiler Drum Replacement		\$100,000				\$100,000
Haw Station - Replace Station Lighting		\$500,000				\$500,000
Haw Station-Replace Underground Fire Protection Piping		\$500,000				\$500,000
Haw Station - Storm Drain Replacements		\$300,000				\$300,000
Haw Station - Platforms (JHS)	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$500,000
Haw Station - New Warehouse		\$2,000,000	\$1,000,000			\$3,000,000
Haw Station - Warehouse Fire Prote	\$0	\$300,000	\$0	\$0	\$0	\$300,000
Haw Station - Move Control Room			\$2,000,000	\$1,000,000		\$3,000,000
Haw Station - Rolling Stock Rpar Fac			\$800,000			\$800,000
Haw Station-Admin Locker Renovation			\$300,000			\$300,000
Haw Station - Levee Cap				\$2,500,000		\$2,500,000
Haw Station-Maintenance Shop Large Assembly Area				\$400,000		\$400,000
Haw Station - Zebra Mussel Control					\$200,000	\$200,000
Haw Station - Operator Changing Bld Bathrm					\$800,000	\$800,000
Hawthorn Yearly	\$1,800,000	\$1,854,000	\$1,909,620	\$1,966,909	\$2,025,916	\$9,556,444



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LAC 1 - Insulation Replacement	\$1,000,000	\$2,000,000	\$3,000,000	\$2,000,000	\$2,000,000	\$10,000,000
LAC 1 - DCS Evergreen Upgrade			\$3,300,000			\$3,300,000
LAC 2 - DCS Evergreen Upgrade		\$4,000,000				\$4,000,000
LAC 2 - Filter Bag Replacement	\$0	\$3,400,000	\$0	\$0	\$0	\$3,400,000
LAC 1 - Filter Bag Replacement	\$0	\$0	\$3,750,000	\$0	\$0	\$3,750,000
LAC 1 - 2018 Outage Catalyst	\$1,650,000	\$0	\$0	\$0	\$0	\$1,650,000
LAC 1 - 2020 Outage Catalyst	\$0	\$2,550,000	\$0	\$0	\$0	\$2,550,000
LAC 1 - 2021 Outage Catalyst	\$0	\$0	\$0	\$900,000	\$1,650,000	\$2,550,000
LAC 2 - Outage Catalyst	\$0	\$0	\$2,700,000	\$0	\$0	\$2,700,000
LAC 1 - CONDENSATE PUMP REMANUFACTURED			\$150,000			\$150,000
LAC 2 - CONDENSATE PUMP REMANUFACTURE				\$150,000		\$150,000
LAC 2 - Conveyor 207 Belt Replacement		\$150,000				\$150,000
LAC 2 - Rewind E' Pulv Motor	\$175,000					\$175,000
LAC 2 - Rewind B' Pulv Motor		\$175,000				\$175,000
LAC 2 - Rewind C' Pulv Motor		\$175,000				\$175,000
LAC 2 - Rewind D' Pulv Motor			\$175,000			\$175,000
LAC 2 - Rewind F' Pulv Motor			\$175,000			\$175,000
LAC 2 - Rewind G Pulv Motor			\$175,000			\$175,000
LAC 1 - Circ Pump Dischrge Valve Re	\$200,000	\$0	\$0	\$0	\$0	\$200,000
LAC 2 - CIRC WATER PUMP REMANUFACTURE					\$200,000	\$200,000
LAC 1 - CIRC WATER PUMP REMANUFACTURED	\$250,000	\$0				\$250,000
LAC 1 - PLANT COOLING PUMP REMANUFACTURE					\$250,000	\$250,000
LAC 1 - Rewind B' FD Fan Motor	\$0		\$250,000			\$250,000
LAC 2 - Rewind A' FD Fan Motor				\$250,000		\$250,000
LAC 2 - Rewind B' FD Fan Motor					\$250,000	\$250,000
LAC 1 - Secondary Air Duct Expansion	\$350,000	\$0	\$0	\$0	\$0	\$350,000
LAC 1 - Condenser Outlet Valves Repla	\$0	\$0	\$0	\$0	\$350,000	\$350,000
LAC 2 - Condenser Outlet Valves Repla	\$0	\$0	\$0	\$0	\$350,000	\$350,000
LAC 1 - Boiler Feed Booster Pump Remanufacture		\$200,000			\$200,000	\$400,000
LAC 2 - Circ Pump Discharge Valv Re	\$150,000	\$300,000	\$0	\$0	\$0	\$450,000

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LAC 2 - FD FAN ROTOR REMANUFACTURE		\$450,000				\$450,000
LAC 2 - BFP RUNNER REPLACEMENT		\$500,000				\$500,000
LAC 1 - Conveyor 3 Belt Replacement			\$500,000			\$500,000
LAC 1 - CRUSHER CAGE ASSEMBLY REPL	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$750,000
LAC 1 - BFP RUNNER REPLACEMENT	\$500,000		\$500,000			\$1,000,000
LAC 1 - Absorber Recycle Pump Remanufacture	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$1,000,000
LAC 2 - Absorber Recycle Pump Remanufacture	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$1,000,000
LAC 1 - FUEL YARD DRAG CONV REPLACEMENT	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$1,500,000
LAC 2 - PULV ROLL WHEELS REPLACEMENT	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$2,500,000
LAC 1 - SSH Inlet Bank Replacement	\$0	\$0	\$0	\$0	\$1,000,000	\$1,000,000
LAC 1 - IP Turbine Upgrade					\$1,500,000	\$1,500,000
LAC 2 - Deaerator Replaement	\$0	\$0	\$0	\$500,000	\$1,000,000	\$1,500,000
LAC 1 - Throttle Gov Valves Replace	\$0	\$0	\$0	\$500,000	\$2,500,000	\$3,000,000
LAC 2 - SSH Inlet Bank Replacement	\$0	\$0	\$1,000,000	\$2,500,000	\$0	\$3,500,000
LAC 1 - Convection Pass Floor Repl	\$0	\$1,000,000	\$3,500,000	\$0	\$0	\$4,500,000
LAC 2 - Furnace Lower Slope Replaceme	\$0	\$0	\$0	\$500,000	\$4,000,000	\$4,500,000
LAC 1 - Cold Reheat Piping Replacemen	\$0	\$1,500,000	\$3,500,000	\$0	\$0	\$5,000,000
LAC 2 - LP Turbine Blade Replacemen	\$0	\$0	\$2,000,000	\$3,000,000	\$0	\$5,000,000
LAC 2- SSH Tubing Replacement	\$2,000,000	\$4,000,000	\$0	\$0	\$0	\$6,000,000
LAC 1 - Exciter Replacement	\$500,000	\$2,000,000	\$4,500,000	\$0	\$0	\$7,000,000
LAC 1 - ID FAN ROTOR REMANUFACTURED	\$1,000,000	\$1,000,000	\$1,000,000	\$0	\$1,000,000	\$4,000,000
LAC 2 - Online BTU Analyzer Addn	\$450,000					\$450,000
LAC 1 - SFC Upper Liner Replacement	\$200,000	\$0	\$0	\$0	\$0	\$200,000
LAC 1 - SCR Inlet Damper Replacement	\$1,000,000	\$0	\$0	\$0	\$0	\$1,000,000
LAC 1 - Sec Air Flow Controls Repl	\$250,000	\$750,000				\$1,000,000
LAC 2 - PA Fan VFD Addn	\$1,000,000	\$1,200,000				\$2,200,000
LAC 1 - Heat Trace Panel Replacement	\$250,000	\$250,000	\$500,000	\$500,000	\$500,000	\$2,000,000
LAC 2 - Spray Water Booster Pump Ad	\$350,000	\$850,000	\$0	\$0	\$0	\$1,200,000
LAC 2 - Pulverizer Classifier Replace	\$750,000	\$750,000	\$750,000	\$750,000	\$750,000	\$3,750,000
LAC 1 - Heater Drain Valves Replace	\$300,000	\$0	\$300,000	\$0	\$0	\$600,000

Project Name	2018	2019	2020	2021	2022	Plant Total
LAC 2 - FD Fan Lube Oil Skid Repl	\$100,000	\$200,000				\$300,000
LAC 2 - Heat Trace Panel Replacement	\$300,000	\$300,000	\$0	\$0	\$0	\$600,000
LAC 1 - Insulation Replacement	\$500,000	\$1,000,000	\$1,500,000	\$1,000,000	\$1,000,000	\$5,000,000
LAC 1 - Plant Heating System Repl	\$500,000	\$1,500,000				\$2,000,000
LAC1 - Cycle Isolatr Aud& Vlv Rpl	\$115,000	\$115,000	\$115,000	\$115,000	\$115,000	\$575,000
LAC1 - LED Lighting Upgrades	\$250,000	\$250,000	\$125,000	\$0	\$0	\$625,000
LAC 2 - LED Lighting Upgrades	\$250,000	\$250,000	\$250,000	\$150,000	\$150,000	\$1,050,000
LAC 2 - ID FAN ROTOR REMANUFACTURED	\$0	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$4,000,000
LAC 1 - Air Heater Basket Replacement	\$0	\$1,000,000	\$1,000,000	\$0	\$0	\$2,000,000
LAC 1 - Generator Iso Phase Duct Repl	\$0	\$250,000	\$1,500,000	\$0	\$0	\$1,750,000
LAC 1 - 7kV Relay Replacement	\$0	\$250,000	\$1,250,000	\$0	\$0	\$1,500,000
LAC 2 - Main Steam Hanger Replaceme	\$0	\$500,000	\$500,000	\$500,000	\$0	\$1,500,000
LAC 1 - FD Fan Inlet Duct Repl		\$250,000	\$1,000,000			\$1,250,000
LAC 1 - Boiler External Piping Repl		\$350,000	\$350,000	\$350,000		\$1,050,000
LAC 1 - Sootblower System Replacement	\$0	\$200,000	\$800,000	\$0	\$0	\$1,000,000
LAC 1 - Boiler Feed Pump Recirc Valve	\$0	\$100,000	\$400,000	\$0	\$0	\$500,000
LAC 1 - Replace FWH 4	\$0	\$500,000	\$1,350,000	\$0	\$0	\$1,850,000
LAC 1 - Cond Storage Tank Liner Rep	\$0	\$250,000	\$0	\$0	\$0	\$250,000
LAC 2 - Heater Drain Valves Replace	\$0	\$150,000	\$0	\$0	\$0	\$150,000
LAC 2 - Coal Feeder Controls Repl		\$200,000				\$200,000
LAC 2 - Aux Transformer Replacement	\$0	\$0	\$500,000	\$1,500,000	\$0	\$2,000,000
LAC 2 - 7kV Relays Replacement	\$0	\$0	\$500,000	\$1,500,000	\$0	\$2,000,000
LAC 2 - Sec Air Htr Hot End Bask	\$0	\$0	\$400,000	\$1,000,000	\$0	\$1,400,000
LAC 1 - Aux Xfmr Bus Repl			\$1,000,000			\$1,000,000
LAC 1 - Mist Eliminator Header Replac	\$0	\$0	\$1,000,000	\$0	\$0	\$1,000,000
LAC 1 - Turbine EH Skid Repl			\$350,000			\$350,000
LAC 2 - Prim Air Htr BasketRepl	\$0	\$0	\$0	\$750,000	\$0	\$750,000
LAC 1 - GR Fan Inlet Duct Optimizatio	\$0	\$0	\$0	\$250,000	\$1,500,000	\$1,750,000
LAC 1 - FD Fan VFD Addn				\$2,000,000	\$2,000,000	\$4,000,000
LAC 2 - Mist Eliminator Header Replac	\$0	\$0	\$0	\$1,000,000	\$0	\$1,000,000



Project Name	2018	2019	2020	2021	2022	Plant Total
LAC 2 - Turbine Crossover EJ Replac	\$0	\$0	\$0	\$500,000	\$0	\$500,000
LAC 1 - Fuel Hand Drag Conveyor Rep	\$0	\$0	\$0	\$0	\$5,000,000	\$5,000,000
LAC 2 - Sootblower Replacement	\$0	\$0	\$0	\$0	\$1,250,000	\$1,250,000
LAC 2 - Replace 22 HP Heater	\$0	\$0	\$0	\$0	\$2,500,000	\$2,500,000
LAC 1 - 2A HP Heater Replacement	\$0	\$0	\$0	\$0	\$2,500,000	\$2,500,000
LAC Station - TA Oxidation Air Blower Remanufacture				\$450,000	\$450,000	\$900,000
LAC Station - Replace Track Hopper Feed	\$0	\$0	\$1,250,000	\$0	\$0	\$1,250,000
LAC Station - 2A Silo Structural Reinfo	\$0	\$0	\$2,500,000	\$0	\$0	\$2,500,000
LAC Station - Control Room Roof Repl			\$400,000			\$400,000
LAC Station - Coal Pile Runoff Canal Repl			\$750,000			\$750,000
LAC Station - Service Bldg Roof Repl			\$350,000			\$350,000
LAC Station - Dam Rd Pavement Replace	\$0	\$0	\$400,000	\$0	\$0	\$400,000
LAC Station - Sanitary Lagoon Expansion	\$0	\$0	\$0	\$500,000	\$0	\$500,000
LAC Station - _Replace Stationtion Air Compres	\$0	\$0	\$0	\$1,500,000	\$1,500,000	\$3,000,000
LAC Station - Rail Car Retarders	\$0	\$0		\$1,000,000	\$0	\$1,000,000
LAC Station - Fuel Yard Control House Rep	\$0	\$0	\$0	\$500,000	\$1,000,000	\$1,500,000
LAC Station - Aux Boiler Controls Repla	\$0	\$0	\$0	\$0	\$1,250,000	\$1,250,000
LAC Station - Upgrd Car Dumper 150 trai	\$0	\$0	\$0	\$0	\$2,000,000	\$2,000,000
LAC Station - Retube Aux Boilers	\$0	\$0	\$0	\$0	\$1,000,000	\$1,000,000
LAC Station - ZEBRA MUSSEL CONTRO	\$0	\$0	\$0	\$0	\$250,000	\$250,000
LAC Station - Fuel Yard Conveyor Moderniz	\$0	\$0	\$0	\$0	\$500,000	\$500,000
LAC Station - Rail Loop Track Replaceme	\$0	\$0	\$0	\$0	\$500,000	\$500,000
LAC Station - FY DCS Evergreen Upgrade	\$1,100,000					\$1,100,000
LAC Station - PLANT ENTRANCE/ GUARD SHACK RELOC	\$3,000,000	\$0	\$0	\$0	\$0	\$3,000,000
LAC Station - Replace Aux Boiler Bldg Roof	\$350,000	\$0	\$0	\$0	\$0	\$350,000
LAC Station - Turbine Enclosure Sd Repl	\$750,000	\$750,000	\$0	\$0	\$0	\$1,500,000
LAC Station - Fuel Yard Coal Pipe Light	\$250,000	\$250,000	\$0	\$0	\$0	\$500,000
LAC Station - Sec Crusher House Elev Repl		\$250,000				\$250,000
LAC Station - COMBUSTIBLE DUST CO	\$1,500,000	\$1,500,000	\$1,500,000	\$1,500,000	\$1,500,000	\$7,500,000
LAC Station - NFPA 70E	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$250,000

Project Name	2018	2019	2020	2021	2022	Plant Total
LAC Station - JOINT HEALTH AND SAFETY PROJECTS	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$1,250,000
LAC Station - Conveyor 7 Belt Replacement	\$150,000					\$150,000
LAC Station - Warehouse Addition	\$900,000	\$1,600,000	\$0	\$0	\$0	\$2,500,000
LAC Station - Site Drainage Replacement	\$750,000	\$750,000	\$0	\$0	\$0	\$1,500,000
LAC Station - Fuel Yd Electrical Upgrad	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000	\$2,000,000
LAC Station - NH3 Sump Discharge Piping Repl	\$200,000					\$200,000
LAC Station - Gypsum Pond Discharge Piping Repl	\$200,000					\$200,000
LAC Station - 2A Silo Hoist Addn	\$400,000					\$400,000
LAC Station - Conveyor 301 Belt Replacement			\$150,000			\$150,000
LAC Station - Limestone Pit Sump Pp Addn	\$250,000					\$250,000
LAC Station - Capital Spare ID Fan Actuator	\$350,000					\$350,000
LAC Station - HVAC SYSTEM REPLACE	\$1,750,000	\$1,750,000	\$500,000	\$0	\$0	\$4,000,000
LAC Station - Absorber Recycle Pp Isolation Addn	\$800,000					\$800,000
LAC Station - Conveyor 202 Belt Replacement	\$200,000					\$200,000
LAC Station - Conveyor 203 Belt Replacement	\$200,000					\$200,000
LAC Station - Conveyor 204 Belt Replacement				\$300,000		\$300,000
LAC Station - FUEL YARD GEARBOX REMANUFACTURE	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$500,000
LAC Station - AQC Gearbox Replacement	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$500,000
LAC Station - SRS Platform Costs	\$750,000	\$750,000	\$750,000	\$500,000	\$500,000	\$3,250,000
LAC Station - Tainter Gate Generator Repl	\$150,000					\$150,000
LAC Station - Mega 5 Projects	\$200,000	\$500,000	\$500,000	\$500,000	\$0	\$1,700,000
Removal remaining	\$5,695,000	\$8,390,000	\$12,880,000	\$5,880,000	\$10,150,000	\$42,995,000



Project Name	2018	2019	2020	2021	2022	Plant Total
Montrose Yearly	\$1,500,000					\$1,500,000
Mon 1 Remove Asbestos	\$4,700,000					\$4,700,000
Mon 2 Remove Asbestos		\$4,250,000	\$4,250,000			\$8,500,000
Mon 3 Remove Asbestos		\$4,250,000	\$4,250,000			\$8,500,000
Mon 2 Retire Plant	\$100,000	\$400,000				\$500,000
Mon 3 Retire Plant	\$100,000	\$400,000				\$500,000
Mon Station Retire Station		\$300,000				\$300,000