

Eleperateo el												Budg	get Year(s)				
Item	Comments	Category	In Service Year	Life Yrs	Years	Life Based On Condition	2017 replacement cost	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	5 Years 2024-28	5 Years 2029-33	5 Years 2034-38	5 Years 2039-43
			Estima	ated Infl	ation Ra	<u>ate (Per/Yr):</u>	0.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%
Misc. piping, valves, updates,				1													
	Waste Water Treatment Plant								\$20,000								
Raw Sewage Pump - Influent		_	1		_												1
	Belle River Pump Station	Process	1994	30	7	12									\$45,000		
Raw Sewage Pump - Influent		D	1004	20	_	4.2									¢ 45 000		
Pump 2	Belle River Pump Station	Process	1994	30		12									\$45,000		
Raw Sewage Pump - Influent		Drococc	1994	20	-	12									¢45.000		
Pump 3	Belle River Pump Station	Process	1994	30	/	12					•				\$45,000		
Raw Sewage Pump - Influent		Process	1994	30	7	12									\$27,000		
Pump 4	Belle River Pump Station	FIOCESS	1554	50	,	12				•					Ş27,000		
Roof Ventilator: RV-5	Belle River Pump Station: Roof	HVAC	1995	30	8	13									\$1,500		
Roof Fan: RF-16	Belle River Pump Station: Roof	HVAC	1995	25	3	8							\$3,000				
	Belle River Pump Station: Wet Well	HVAC	1995	25	3	3					\$3,500						
	Belle River Pump Station	HVAC	1995	20	-2	3					\$3,500						\$3,500
	Belle River Pump Station	MECH.	2010	20	13	13					+=/===				\$1,000		+=,===
	Belle River Pump Station	MECH.	1995	20	-2	-2				\$6,000					+ - /		\$6,000
	Belle River Pump Station	MECH.	1995	20	-2	-2				\$1,000				\$1,000			
Gas Unit Heater: GUH-8	Belle River Pump Station: Dry Well	HVAC	2010	20	13	18										\$5,000	
Analytical Meter: AIT-100	Belle River Pump Station: First Floor	INSTRUM.	1992	15	-10	-10					\$6,000				\$6,000		
Flow Meter: FIT-50-1	Belle River Pump Station: Intermediate Plan	INSTRUM.	1992	15	-10	-10				\$24,000						\$24,000	
	Belle River Pump Station: Foundation Plan	INSTRUM.	1992	15	-10	-10				\$4,500						\$4,500	
	Belle River Pump Station: Foundation Plan	INSTRUM.	1992	15	-10	-10					\$4,500					\$4,500	
	Belle River Pump Station: Foundation Plan	SCADA	1992	20	-5	-5						\$20,000					\$20,000
Control Panel: PSCP	Belle River Pump Station: First Floor	SCADA	1992	20	-5	-5					\$60,000						\$60,000
Generator	Belle River Pump Station: First Floor	ELECTRICAL	1992	30	5	5										\$70,650	
Auto Transfer Switch: 400A ATS		ELECTRICAL	1992	40	15	15									\$11,925		
Lighting Contactor: LC-R	Belle River Pump Station: First Floor	ELECTRICAL	1992	20	-5	-5										\$1,600	
Transformer: Outdoor	Belle River Pump Station: First Floor	ELECTRICAL	1992	40	15	15									\$37,350		

Duty Load: 1-Used Rarely or Emergency Only 2-Light Use 3-Moderate Use 4-Daily Use 5-Extreme Use or 24/7 Use



EDAPORATED MIL												Budg	et Year(s)				
ltem	Comments	Category	In Service Year	Useful Life Yrs	Rem Life Years	Life Based On Condition	2017 replacement cost	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	5 Years 2024-28	5 Years 2029-33	5 Years 2034-38	5 Years 2039-43
						e (Per/Yr):	0.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%
Transformer: Transformer LPR	Belle River Pump Station: First Floor	ELECTRICAL	1992	40	15	15									\$4,050		
Motor Control Center: MCC-R	Belle River Pump Station: First Floor	ELECTRICAL	1992	40	15	15									\$72,938		
Lighting Panel: LP-R	Belle River Pump Station: First Floor	ELECTRICAL	1992	40	15	20									\$4,538		
Disconnect Switch: Service Entrance Disconnect	Belle River Pump Station: First Floor	Process	1992	30	5	0						\$8,363					
Sodium Hypochlorite Tank: Tank Chlorine-1	Chemical Bldg No. 2	Process	1994	35	12	17										\$18,000	
Sodium Hypochlorite Tank: Tank Chlorine-2	Chemical Bldg No. 2	Process	1994	35	12	17										\$18,000	
Sodium Hypochlorite Pump: Pump Chlorine-1	Chemical Bldg No. 2	Process	1998	35	16	16									\$2,000		
Sodium Hypochlorite Pump: Pump Chlorine-2	Chemical Bldg No. 2	HVAC	1998	35	16	16									\$2,000		
Gas Unit Heater: GUH-1	Chemical Bldg No. 2: Chlorination Room	HVAC	2010	20	13	13										\$3,900	
Gas Unit Heater: GUH-2	Chemical Bldg No. 2: Dechlorination Room	HVAC	2010	20	13	13										\$2,750	
Roof Fan: RF-9	Chemical Bldg No. 2: Chlorination Room	HVAC	1995	25	3	8							\$2,000				
Roof Fan: RF-10	Chemical Bldg No. 2: Dechlorination Room	HVAC	1995	25	3	8							\$1,000				
Automatic Damper: D-7	Chemical Bldg No. 2: Chlorination Room	HVAC	1995	20	-2	3					\$2,000						
Automatic Damper: D-8	Chemical Bldg No. 2: Dechlorination Room	HVAC	1995	20	-2	3					\$1,750						
Automatic Damper: D-9	Chemical Bldg No. 2: Near Stairs	HVAC	1995	20	-2	3					\$2,500						
Tepid Water Tank	Chemical Bldg No. 2	MECH.	1995	25	3	8							\$1,500				
Emergency Shower: ES-2-2	Chemical Bldg No. 2	MECH.	1995	25	3	8							\$2,500				
Slide Gate: F-50-1	Chlorine Contact Tanks: Tank No. 1	Process	1994	35	12	17										\$12,000	
Slide Gate: F-50-2	Chlorine Contact Tanks: Tank No. 2	Process	1994	30	7	12									\$12,000		
Sluice Gate: S-50-1	Chlorine Contact Tanks: Tank No. 1	Process	1994	30	7	12									\$29,000		
Sluice Gate: S-50-2	Chlorine Contact Tanks: Tank No. 2	Process	1994	35	12	17										\$29,000	
Telescoping Valve: TSV-50-1	Chlorine Contact Tanks: Tank No. 1	Process	1994	35	12	17										\$9,000	



CORPORATED SMITH												Budg	et Year(s)				
Item	Comments	Category	In Service Year		Rem Life Years	Life Based On Condition	2017 replacement cost	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	5 Years 2024-28	5 Years 2029-33	5 Years 2034-38	5 Years 2039-43
			Estima	ated Infl	<mark>ation Ra</mark>	te (Per/Yr):	0.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%
Telescoping Valve: TSV-50-2	Chlorine Contact Tanks: Tank No. 2	Process	1994	30	7	12									\$9,000		
Chlorine Mixer: Mixer-01	Chlorine Contact Tanks	INSTRUM.	1994	30	7										\$7,000		
Flow Meter: FIT-10	Chlorine Contact Tanks	Process	1992	15	-10	-10				\$4,500							
Scum Pump: Scum Pump-02	Chemical Bldg No. 2: Basement	Process	1994	35	12	17										\$61,000	
Plant Effluent Water: PEW System-01	Chemical Bldg No. 2: Basement	Process	1994	35	12	12									\$54,000		
Plant Effluent Water Strainer: PEW Strainer	Chemical Bldg No. 2: Basement	Process	1994	35	12	12									\$45,000		
Gas Unit Heater: GUH-3	Chemical Bldg No. 2: Entry	HVAC	2010	20	13	18										\$2,750	
Electric Unit Heater: EUH-3	Chemical Bldg No. 2: Basement	HVAC	1995	15	-7	-2				\$4,500						\$4,500	
Roof Fan: RF-11	Chemical Bldg No. 2: Basement	HVAC	1995	25	3	8							\$3,000				
Sump Pump: SP-1	Chemical Bldg No. 2	MECH.	2010	20	13	18									\$1,000		
Sump Pump: SP-2	Chemical Bldg No. 2	MECH.	2010	20	13	18									\$1,000		
AODD Pump: SP-5	Chemical Bldg No. 2	MECH.	2010	20	13	13									\$1,000		
Control Panel: PEW Pumps Control Panel	Chemical Bldg No. 2: Electrical Room Basement	ELECTRICAL	. 1992	20	-5	-10				\$8,000						\$8,000	
Transformer: Transformer-LP-1	Chemical Bldg No. 2: Electrical Room	ELECTRICAL	. 1992	40	15	15									\$4,350		
Sampler Pump: Pump Samler-1	Service Building	Process	1994	30	7	7								\$5,000			
Sampler Pump: Pump Sampler- 2	Service Building	Process	1994	30	7	7								\$5,000			
Sampler Pump: Pump Sampler- 3	Service Building: In manhole W of Service Building	Process	1994	30	7	7								\$5,000			
Variable Air Volume Box: VAV-1	Service Building: Sample Room	HVAC	1995	20	-2	3							\$1,500				\$1,500
Variable Air Volume Box: VAV-2	Service Building: Electrical Room	HVAC	1995	20	-2	3							\$1,500				\$1,500
Variable Air Volume Box: VAV-3		HVAC	1995	20	-2	3							\$3,000				\$3,000
Variable Air Volume Box: VAV-4	Service Building: Locker Room	HVAC	1995	20	-2	3							\$1,500				\$1,500
Variable Air Volume Box: VAV-5	Service Building: Corridors	HVAC	1995	20	-2	3							\$1,500				\$1,500
Variable Air Volume Box: VAV-6	Service Building: Lunch Room	HVAC	1995	20	-2	3							\$1,500				\$1,500



Baronateo walk												Budg	et Year(s)				
ltem	Comments	Category	In Service Year	Useful Life Yrs	Rem Life Years	Life Based On Condition	2017 replacement cost	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	5 Years 2024-28	5 Years 2029-33	5 Years 2034-38	5 Years 2039-43
			Estima	ated Infl	ation Rat	te (Per/Yr):	0.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%
Variable Air Volume Box: VAV-7	Service Building: Office	HVAC	1995	20	-2	3							\$1,500				\$1,500
In-Line Fan: IF-1	Servie Building: Mechanical Room	HVAC	1995	25	3	8								\$2,500			
Heating, Ventilation, & Conditioning: HVAC-1	Service Building: Mechanical Room	HVAC	1995	25	3	8							\$17,500				
Air Cooled Condensing Unit: ACC-1	Service Building: Mechanical Room	HVAC	1995	20	-2	-2						\$12,500					\$12,500
Electric Humidifier: EH-1	Service Building: Mechanical Room	HVAC	1995	20	-2	3					\$10,000						\$10,000
Boiler: B-1	Service Building: Mechanical Room	HVAC	1995	25	3	8								\$35,000			
Heating Water Pump: P-1	Service Building: Mechanical Room	HVAC	1995	20	-2	3						\$2,500					\$2,500
Heating Water Pump: P-2	Service Building: Mechanical Room	HVAC	1995	20	-2	3						\$2,500					\$2,500
Hot Water Unit Heater: UH-1	Service Building: Mechanical Room	HVAC	1995	25	3	8								\$1,500			
Hot Water Unit Heater: UH-2	Service Building: Electrical Room	HVAC	1995	25	3	8								\$1,500			
Hot Water Unit Heater: UH-3	Service Building: Garage	HVAC	1995	25	3	8								\$3,250			
Hot Water Unit Heater: UH-4	Service Building: Grit & Screen Room	HVAC	1995	25	3	8								\$3,250			
Hot Water Unit Heater: UH-5	Service Building: Pump Room	HVAC	1995	25	3	8								\$1,500			
Hot Water Reheat Coil: RHC-1	Service Building: Mechanical Room	HVAC	1995	30	8	13							\$3,000				
Force Flow Heater: FF-1	Service Building: Entry	HVAC	1995	25	3	8					\$1,750						\$1,750
Roof Ventilator: RV-1	Service Building: Mechanical Room	HVAC	1995	30	8	13									\$3,500		
Roof Ventilator: RV-2	Service Building: Mechanical Room	HVAC	1995	30	8	13									\$3,000		
FIN-Tube Radiator: FT-1	Service Building: Lunch Room	HVAC	1995	30	8	13								\$1,500			
Roof Fan: RF-1	Service Building: Garage	HVAC	1995	25	3	8								\$3,000			
Roof Fan: RF-2	Service Building: Electrical Room	HVAC	1995	25	3	8								\$2,000			
Roof Fan: RF-3	Service Building: Grit & Screen Room	HVAC	1995	25	3	3					\$6,000						\$6,000
Roof Fan: RF-4	Service Building: Pump Room	HVAC	1995	25	3	8								\$2,500			

Duty Load: 1-Used Rarely or Emergency Only 2-Light Use 3-Moderate Use 4-Daily Use 5-Extreme Use or 24/7 Use



CORPORATEO SOLUTION												Budg	et Year(s)				
Item	Comments	Category	In Service Year	Useful Life Yrs	Years	Life Based On Condition	2017 replacement cost	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	5 Years 2024-28	5 Years 2029-33	5 Years 2034-38	5 Years 2039-43
			Estim	<mark>ated Inf</mark> l	<mark>ation Ra</mark>	te (Per/Yr):	0.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%
Roof Fan: RF-5	Service Building: Lab Fume Hood	HVAC	1995	25	3	3						\$3,000					\$3,000
Roof Fan: RF-6	Service Building: Lab Canopy Hood	HVAC	1995	25	3	8								\$2,750			
Roof Fan: RF-7	Service Building: Lunch Room	HVAC	1995	25	3	8								\$1,000			
Roof Fan: RF-8	Service Building: Sample Room	HVAC	1995	25	3	3						\$1,000					\$1,000
Roof Fan: RF-9	Service Building: Service Building	HVAC	1995	25	3	8								\$1,000			
Ceiling Exhaust Fan: CE-1	Service Building: Toilet Room	HVAC	1995	25	3	8								\$1,000			
Ceiling Exhaust Fan: CE-2	Service Building: Toilet Room	HVAC	1995	25	3	8								\$1,000			
Ceiling Exhaust Fan: CE-3	Service Building: Toilet Room	HVAC	1995	25	3	8								\$1,000			
Automatic Damper: D-1	Servie Building: Mechanical Room	HVAC	1995	25	3	8								\$3,250			
Automatic Damper: D-2	Service Building: Mechanical Room	HVAC	1995	25	3	8								\$2,500			
Automatic Damper: D-3	Service Building: Garage	HVAC	1995	25	3	8								\$3,250			
Automartice Damper: D-4	Service Building: Electrical Room	HVAC	1995	25	3	8								\$3,250			
Automatic Damper: D-5	Service Building: Grit & Screen Room	HVAC	1995	25	3	8								\$6,000			
Automartic Damper: D-6	Service Building: Pump Room	HVAC	1995	25	3	8								\$3,250			
Automatic Damper: D-15	Service Building: Mechanical Room	HVAC	1995	25	3	8								\$2,000			
Emergency Shower: ES-1	Service Building: Laboratory	MECH.	1995	35	13	18									\$3,000		
Water Heater-Tank: WH-1	Service Building: Mechanical Room	MECH.	2005	20	8	13								\$7,000			
Water Tank: TW-3	Service Building: Mechanical Room	MECH.	2005	30	18	23										\$2,500	
Air Compressor: AC-1	Service Building: Mechanical Room	MECH.	1995	25	3	3								\$10,000			
Vacuum Pump: VP-1	Service Building: Mechanical Room	MECH.	1995	25	3	3								\$5,000			
Air Dryer: Airdryer-1	Service Building: Mechanical Room	MECH.	1995	20	-2	-2						\$3,000					\$3,000
Sampler: Samp-1	Service Building: Sample Room	Process	1995	30	8	13							\$5,000				

Duty Load: 1-Used Rarely or Emergency Only 2-Light Use 3-Moderate Use 4-Daily Use 5-Extreme Use or 24/7 Use



COPPORATEO NOM												Budg	et Year(s)				
Item	Comments	Category	In Service Year	Useful Life Yrs	Years	Life Based On Condition	2017 replacement cost	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	5 Years 2024-28	5 Years 2029-33	5 Years 2034-38	5 Years 2039-43
			Estima	ated Infl	<mark>ation Ra</mark>	<mark>te (Per/Yr):</mark>	0.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%
Sampler: Samp-2	Service Building: Sample Room	Process	1995	30	8	13							\$5,000				
Backflow Preventor: BFP-1	Service Building: Mechanical Room	MECH.	1995	30	8	13								\$3,500			
Backflow Preventor: BFP-2	Service Building: Mechanical Room	MECH.	1995	30	8	13								\$3,500			
Backflow Preventor: BFP-3	Service Building: Mechanical Room	MECH.	1995	30	8	13								\$3,000			
Backflow Preventor: BFP-4	Service Building: Mechanical Room	MECH.	1995	30	8	13								\$3,000			
Control Panel: Temp/Boiler Control Panel	Service Building: Mechanical Room 112	HVAC	1994	20	-3	-3				\$12,500							\$12,500
Control Panel: Air Compressor Control Panel	Service Building: Mechanical Room 112	HVAC	1992	20	-5	-5				\$10,000							\$10,000
Generator	Service Building: Outside of Elec. Room 119	ELECTRICAL	2007	30	20	20										\$70,650	
Lighting Contractor: LC-A	Service Building: Electrical Room 119	ELECTRICAL	1992	20	-5	-5		\$850								\$850	
Transformer: T-3 (LP-A)	Service Building: Electrical Room 119	ELECTRICAL	1992	40	15	15									\$5,063		
Transformer: T-5 (LP-L)	Service Building: Control Room 109	ELECTRICAL	1992	40	15	15									\$4,650		
Transformer: T-4 (LP-C)	Service Building: Control Room 109	ELECTRICAL	1992	40	15	15									\$4,350		
Transformer: T-1	Service Building: Outside of Electrical Room 119	ELECTRICAL	1992	40	15	15									\$90,000		
Transformer: T-2	Service Building: Outside of Elec. Room 119	ELECTRICAL	1992	40	15	15									\$90,000		
Low Voltage Unit Substation: LVUS	Service Building: Electrical Room 119	ELECTRICAL	1994	40	17	17										\$178,875	
Disconnect Switch: Fused Load Break Switch	Service Building: Outside of Electrical Room 119	ELECTRICAL	1992	40	15	15									\$51,600		
Disconnect Switch: Fused Load Break Switch	Service Building: Outside of Electrical Room 119	ELECTRICAL	1992	40	15	15									\$51,600		
Screw Pump: Screw Pump-01	Influent Pump Station	Process	1994	30	7	7								\$195,000			
Screw Pump: Screw Pump-02	Influent Pump Station	Process	1994	30	7	7								\$195,000			
Screenings Conveyor: Conveyor Screening	Service Building: Grit & Screen Room	Process	1994	30	7	12									\$27,000		
Manual Bar Screen: BAR-Screen- 01		Process	1994	30	7	12									\$5,000		



PORATEO MAN				-	-							Budg	et Year(s)				
ltem	Comments	Category	In Service Year	Life Yrs	Years	Life Based On Condition	2017 replacement cost	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	5 Years 2024-28	5 Years 2029-33	5 Years 2034-38	5 Years 2039-43
			Estima	<mark>ated Infl</mark>	<mark>ation Ra</mark> t	te (Per/Yr):	0.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%
Manual Bar Screen: BAR-Screen 02	-Service Building: Grit & Screen Room	Process	1994	30	7	12									\$224,000		
Grit Dewatering System: Grit Dewatering-1	Service Building: Grit & Screen Room	Process	1994	30	7	7								\$90,000			
Grit Pump: Grit Pump-01	Servie Building: Pump Room	Process	1994	30	7	2					\$27,000						
Grit Drive: Grit Drive-01	Service Building: Grit Chamber	Process	1994	30	7	12									\$72,000		
Parshall Flume: Parshall Flume- 01	Service Building: Grit Chamber	Process	1994	50	27	32											
Analytical Meter: AIT-18	Service Building: Outside of Grit & Screen Room	INSTRUM.	1992	15	-10	-10				\$6,000						\$6,000	
Flow Meter: FIT-1	Service Building: Outside of Pump Room	INSTRUM.	1992	15	-10	-10						\$18,000					
Control Panel: MCP	Service Building: Control Room 109	SCADA	1992	20	-5	-5				\$60,000						\$60,000	
Control Panel: FICP (Fire Alarm)	Service Building: Outside of Control Room	FIRE PROT	1992	20	-5	-5				\$10,000						\$10,000	
Control Panel (Update All System): Grit System Control Panel	Service Building: Pump Room	ELECTRICAL	1992	20	-5	-5				\$15,000						\$15,000	
Starter: A1 Starter (Raw Sewage Pump)	Service Building: Electrcal Room 119	ELECTRICAL	1992	20	-5	-5				\$3,150						\$3,150	
Starter: B1 Starter (Raw Sewage Pump)	Service Building: Electrical Room 119	ELECTRICAL	1992	20	-5	-5				\$3,150						\$3,150	
Motor Control Center: MCC-A	Service Building: Electrical Room 119	ELECTRICAL	1994	40	17	17										\$64,575	
Motor Control Center: MCC-B	Service Building: Electrical Room 119	ELECTRICAL	1994	40	17	17										\$60,113	
Lighting Panel: LP-A	Service Building: Electrical Room 119	ELECTRICAL	1992	40	15	15									\$7,388		
Lighting Panel: LP-C	Service Building: Control Room 109	ELECTRICAL	1991	40	14	14									\$6,338		
Lighting Panel: LP-L	Service Building: Control Room 109	ELECTRICAL	1992	40	15	15									\$6,338		
Disconnect Switch: Raw Sewage Pump-1 (DS)	Service Building: Electrical Room 119	ELECTRICAL	1992	40	15	15									\$1,613		
Disconnect Switch: Raw Sewage Pump-2 (DS)	Service Building: Electrical Room 119	ELECTRICAL	1992	40	15	15									\$1,613		
Ferric Chloride Tank: Tank Ferric 01	Chemical Building No. 1	Process	1985	40	8	13									\$27,000		
Ferric Chloride Pump: Pump Ferric-01	Chemical Building No. 1	Process	1998	30	11	16									\$4,000		

Duty Load: 1-Used Rarely or Emergency Only 2-Light Use 3-Moderate Use 4-Daily Use 5-Extreme Use or 24/7 Use



CORPORATED SM												Budg	et Year(s)				
							2017										
				Ucoful	Rom Life	Life Based On	2017 replacement							5 Years	5 Years	5 Years	5 Years
Item	Comments	Category	In Service Year		Years	Condition	cost	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2024-28	2029-33	2034-38	2039-43
						te (Per/Yr):	0.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%
Ferric Chloride Pump: Pump	Chemical Building No. 1	Process	1994	30	7	12									\$4,000		
Ferric-02			1001												<i>ϕ</i> 1,0000		
Polymer Feed Pump: Pump Polymer-1	Chemical Building No. 1	Process	1994	30	7	12									\$4,000		
Polymer Feed Pump: Pump Polymer-2	Chemical Building No. 1	Process	1994	30	7	12									\$4,000		
Anionic Polymer Storage Tank: Tank Polymer-1	Chemical Building No. 1	Process	1994	30	7	12									\$9,000		
Anionic Polymer Mixer: Mixer Polymer-1	Chemical Building No. 1	Process	1994	30	7	7								\$6,000			
Gas Unit Heater: GUH-5	Chemical Building No. 1	HVAC	1995	20	-2	-2				\$4,500							\$4,500
Electric Unit Heater: EUH-1	Chemical Building No. 1: Electrical Room	HVAC	1995	20	-2	3								\$2,000			
Roof Fan: RF-13	Chemical Building No. 1: Roof	HVAC	1995	25	3	8							\$2,750				\$2,750
Ceiling exhaust Fan: CE-4	Chemical Building No. 1: Electrical Room	HVAC	1995	25	3	8							\$1,000				\$1,000
Automatic Damper: D-11	Chemcial Building No. 1: Chemical Room	HVAC	1995	20	-2	3							\$2,000				\$2,000
Automatic Damper: D-12	Chemical Building No. 1: Electrical Room	HVAC	1995	20	-2	3							\$3,000				\$3,000
	Chemical Building No. 1	MECH.	1995	20	-2	3					\$3,000						\$3,000
Tepid Water Tank: TW-1	Chemical Building No. 1	MECH.	2002	25	10	15									\$1,500		
	Chemical Building No. 1	MECH.	2010	20	13	13							\$1,500				\$1,500
Emergency Shower: ES-2-1	Chemical Building No. 1	MECH.	1995	20	-2	3							\$2,500				\$2,500
Level Meter: LIT-21	Chemical Building No. 1: Outside of Electrical Room 119	INSTRUM.	1992	15	-10	-10				\$4,500					\$4,500		
Control Panel: CP-1	Chemical Building No. 1: Electrical Room	SCADA	1992	20	-5	-5					\$50,000					\$50,000	
Lighting Contactor: LC-C	Chemical Building No. 1: Electrical Room	ELECTRICAL	1992	20	-5	-5										\$850	
Motor Control Center: MCC-C	Chemical Building No. 1: Electrical Room	ELECTRICAL	1992	40	15	15									\$22,913		
Lighting Panel: LP-D	Chemical Building No. 1: Electrical Room	ELECTRICAL	1991	40	14	14									\$4,538		
Disconnect Switch: MCC-D Main Service Disconnect	Chemical Building No. 1: Electrical Room	ELECTRICAL	1992	40	15	15									\$1,208		
	Chemical Building No. 1: Electrical Room	ELECTRICAL	1992	40	15	15									\$1,208		
Slide Gate: F-20-1	Oxidation Ditch: Blending Chamber	Process	1994	30	7	12									\$13,000		



TOPPORATED WINN												Budg	et Year(s)				
ltem	Comments	Category	In Service Year	Useful Life Yrs	Rem Life Years	Life Based On Condition	2017 replacement cost	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	5 Years 2024-28	5 Years 2029-33	5 Years 2034-38	5 Years 2039-43
			Estima	ated Infl	ation Rat	te (Per/Yr):	0.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%
Slide Gate: F-20-2	Oxidation Ditch: Blending Chamber	Process	1994	30	7	12									\$13,000		
Sluice Gate: S-20-1	Oxidation Ditch: Channel 2	Process	1994	30	7	12									\$24,000		
Sluice Gate: S-20-2	Oxidation Ditch: Channel 3	Process	1994	30	7	12									\$24,000		
Aeration Rotor: AR-1A & 1B	Oxidation Ditch: Channel 2-3	Process	1994	35	12	17										\$125,000	
Aeration Rotor: AR-2A & 2B	Oxidation Ditch: Channel 2-3	Process	1994	35	12	17										\$125,000	
Aeration Rotor: AR-3	Oxidation Ditch: Channel 1	Process	1994	30	7	12									\$62,000		
Aeration Rotor: AR-4	Oxidation Ditch: Channel 1	Process	1994	30	7	12									\$62,000		
Aeration Rotor: AR-5	Oxidation Ditch: Channel 1	Process	1994	30	7	12									\$62,000		
Aeration Rotor: AR-6	Oxidation Ditch: Channel 1	Process	1994	30	7	12									\$62,000		
Tilting Weir: TW-1	Oxidation Ditch: Channel 1-2	Process	1994	30	7	12									\$27,000		
Tilting Weir: TW-2	Oxidation Ditch	Process	1994	30	7	12									\$27,000		
Motor Control Center: MCC-E	Oxidation Ditch & Final Clarifiers: North of Clarifier	ELECTRICAL		40	15	15									\$47,475		
Motor Control Center: MCC-F	Oxidation Ditch & Final Clarifiers: North of Clarifier	ELECTRICAL	1992	40	15	15									\$49,275		
Lighting Panel: LP-E (Inside MCC E)	C-Oxidation Ditch & Final Clarifiers: North of Clarifier	ELECTRICAL	1992	40	15	15									\$3,225		
Lighting Panel: LP-F (Inside MCC F)	C-Oxidation Ditch & Final Clarifiers: North of Clarifier	ELECTRICAL	1992	40	15	15									\$3,225		
Sludge Collector Mechanism: Sludge Collector-1	Final Clarifier No. 1	Process	1994	35	12	12									\$224,000		
Sludge Collector Mechanism: Sludge Collector-2	Final Clarifier No. 2	Process	1994	35	12	12									\$224,000		
Slide Gate: F-30-1	Final Clarifiers: Tank No. 1	Process	1994	35	12	17										\$13,000	



TOR PORATEO												Budg	et Year(s)				
							2017										
				Usoful	Dom Life	Life Based On	replacement							5 Years	5 Years	5 Years	5 Years
Item	Comments	Category	In Service Year	Life Yrs	Years	Condition	cost	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2024-28	2029-33	2034-38	2039-43
						ate (Per/Yr):	0.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%
Slide Gate: F-30-2	Final Clarifiers: Tank No. 2	Process	1994	35	12	17										\$13,000	
Waste Sludge Pump: Waste Sludge Pump 1	Pump Building: Basement	Process	2014	30	27	32											
- ·	Pump Building: Basement	Process	1994	30	7	7								\$61,000			
	Pump Building: Basement	INSTRUM.	1992	15	-10	-10				\$3,000					\$3,000		
	Pump Building: First Floor	ELECTRICAL	1992	20	-5	-5				\$15,000						\$15,000	
Transformer: Transformer LP-H	Pump Building: First Floor	ELECTRICAL	1992	40	15	15									\$4,050		
Motor Control Center: MCC-G	Pump Building: First Floor	ELECTRICAL	1992	40	15	15									\$24,525		
Motor Control Panel: MCC-H	Pump Building: First Floor	ELECTRICAL	1992	40	15	15									\$29,288		
	Pump Building: First Floor	ELECTRICAL	1992	40	15	15									\$3,938		
Disconnect Switch: MCC-H Service Disconnect	Pump Building: Basement	ELECTRICAL	1992	40	15	15									\$1,208		
Disonnect Switch: MC-G Service Disconnect	Pump Building: Basement	ELECTRICAL	1992	40	15	15									\$1,208		
	Return Sludge Pum Station	Process	1994	30	7	7								\$359,000			
Screw Pump: Screw Pump-04	Return Sludge Pum Station	Process	1994	30	7	7								\$359,000			
Slide Gate: F-40-1	Return Sludge Pum Station	Process	1994	30	7	12									\$12,000		
Slide Gate: F-40-2	Return Sludge Pum Station	Process	1994	30	7	12									\$12,000		
Flow Meter: FIT-7	Return Sludge Pum Station	INSTRUM.	1992	15	-10	-10				\$13,500					\$13,500		
Sludge Transfer Pump: Sludge	Chemical Building No. 2:	Drococc	1994	35	12	17										\$61,000	
Pump-01	Basement	Process	1994	35	12	17										\$61,000	
	Chemical Building No. 2: Near Stairs	HVAC	1995	30	8	13									\$2,500		
	Chemical Building No. 2: Wet Well	HVAC	1995	30	8	13									\$1,750		
	Chemcial Building No. 2: Wet Well	HVAC	1995	25	3	8					\$9,000						
Flow Meter: FIT-2	Chemical Building No. 2: Electrical Room First Floor	INSTRUM.	1992	15	-10	-10				\$4,500					\$4,500		
Control Panel: CP-2	Chemical Building No. 2: Electrical Room First Floor	SCADA	1992	20	-5	-5					\$50,000						
Motor Control Center: MCC-1	Chemical Building No. 2: Electrical Room	ELECTRICAL	1992	30	5	5						\$30,150					
	Pump Building: Basement	Process	1994	35	12	17				1						1	
	Pump Building: Basement	Process	1994	35	12	17				1						1	
	Pump Building: Basement	Process	1994	50	27	32		1									1

Duty Load: 1-Used Rarely or Emergency Only 2-Light Use 3-Moderate Use 4-Daily Use 5-Extreme Use or 24/7 Use



OPPORATED THE												Budg	get Year(s)				
Item	Comments	Category	In Service Year Estima	Life Yrs	Years	Life Based On Condition	2017 replacement cost 0.0%	2017-18 2.0%	2018-19 2.0%	2019-20 2.0%	2020-21 2.0%	2021-22 2.0%	2022-23 2.0%	5 Years 2024-28 2.0%	5 Years 2029-33 2.0%	5 Years 2034-38 2.0%	5 Years 2039-43 2.0%
Cationic Polymer Feed Pump: Pump Polymer-3	Pump Building	Process	1994	30	7	7								\$4,000			
Roof Fan: RF-14	Pump Building: Roof	HVAC	1995	25	3	8							\$3,000				
Roof Fan: RF-18	Pump Building: Wet Well	HVAC	1995	25	3	8					\$3,000						
Automatic Damper: D-13	Pump Building	HVAC	1995	20	-2	3					\$2,500						\$2,500
Sump Pump: SP-4	Pump Building: Basement	MECH.	2010	20	13	18				\$1,000							\$1,000
Gas Unit Heater: GUH-6	Pump Building: First Floor	MECH.	2010	20	13	18									\$2,750		
Gas Unit Heater: GUH-7	Pump Building: First Floor	MECH.	2010	20	13	18									\$2,750		
Electric Unit Heater: EUH-2	Pump Building: Basement	HVAC	2010	15	8	13								\$2,500			
Sludge Thickener Screen: Sludge Screen-1	Sludge Thickener No. 1	Process	1994	30	7	12									\$14,000		
Sludge Thickener Screen: Sludge Screen-2	Sludge Thickener No. 2	Process	1994	30	7	12									\$14,000		
Gas Unit Heater: GUH-4	Sludge Storage Building	HVAC	2010	20	13	8									\$2,750		
Roof Fan: RF-12	Sludge Storage Building: Roof	HVAC	1995	25	3	3							\$1,500				
Automatic Damper: D-10	Sludge Storage Building	HVAC	1995	20	-2	-2						\$3,000					\$3,000
Departmental Server-City Offices	PD Server-Total Cost is \$27,000. Split with Police/Buildings & Grounds/ Water & Sewer									\$4,500							
Sump Pump: SP-3	Sludge Storage Building	MECH.	2010	20	13	13				\$1,000					\$1,000		
	Present Value:						\$0	\$850	\$20,000	\$223,800	\$246,000	\$104,013	\$72,750	\$1,413,250	\$2,292,488	\$1,156,863	\$193,000
	Total Cost:						\$-	\$ 850	\$20,000	\$ 223,800	\$ 246,000	\$ 104,013	\$ 72,750	\$ 1,413,250	\$ 2,292,488	\$ 1,156,863	\$ 193,000