

WATER/SEWER FUND CAPITAL IMPROVEMENT PLAN

	Life	Date	Purchase	Annual	FYE Targeted	Future
Sewer System	Expectancy	to Acquire	Price	Cost	Balance	Accrual
Wastewater Treatment Facility						
Pumps at RAS (Return Activated Sludge)	10	2020	\$ 3,800	\$ 380	\$ 3,040	\$ 760
Pumps at RAS (Return Activated Sludge)	10	2021	\$ 3,800	\$ 380	\$ 2,660	\$ 1,140
Motor operating valves - RAS/WAS (Return Activated Sludge/Waste Activated Sludge station)	7	2021	\$ 5,000	\$ 714	\$ 2,857	\$ 2,143
Clarifier drives - (2)	20	2026	\$ 60,000	\$ 3,000	\$ 36,000	\$ 24,000
Control Panels (PLC Updates)	10	2019	\$ 5,000	\$ 500	\$ 4,500	\$ 500
Control Panels (3) (Relays, Displays, Misc. Parts, Communications/SCADA)	10	2020	\$ 25,000	\$ 2,500	\$ 20,000	\$ 5,000
Motor Control Center	10	2020	\$ 20,000	\$ 2,000	\$ 16,000	\$ 4,000
Blowers (Bearings, Motors, Misc.) Large	25	2019	\$ 14,500	\$ 580	\$ 13,920	\$ 580
Blowers (Bearings, Motors, Misc.) Large	25	2020	\$ 14,500	\$ 580	\$ 13,340	\$ 1,160
Blowers (Bearings, Motors, Misc.) Large	25	2022	\$ 14,500	\$ 580	\$ 12,180	\$ 2,320
2017 Blowers (Bearings, Motors, Misc.) Small	7	2024	\$ 4,000	\$ 571	\$ 571	\$ 3,429
Generator set with transfer switch (natural gas)	50	2056	\$ 25,000	\$ 500	\$ 6,000	\$ 19,000
Tank Coatings (Touchup/rust repair); Blast/Paint	15	2021	\$ 225,000	\$ 15,000	\$ 180,000	\$ 45,000
Diffuser Repairs/Replacement - piping repairs		Annual	\$ 500	\$ 500	\$ -	\$ 500
UV Station (Bulbs (\$5000); Ballasts; Control Panel (\$1,500))		Annual	\$ 6,500	\$ 6,500	\$ -	\$ 6,500
Wastewater Treatment Facility Total			\$ 427,100	\$ 34,286	\$ 311,069	\$ 116,031
Lift Stations						
<u>Running Brook Farms Blvd./Route 31</u>						
RBF Blvd. Station Pumps - Duplex System (Motors; Seals; Impellers)	10	2020	\$ 10,000	\$ 1,000	\$ 8,000	\$ 2,000
RBF Blvd. Station Pumps - Duplex System (Motors; Seals; Impellers)	10	2028	\$ 10,000	\$ 1,000	\$ -	\$ 10,000
Control Panel Upgrades/Repairs Communications/SCADA	10	2022	\$ 5,000	\$ 500	\$ 3,000	\$ 2,000
Gen Set with Transfer Switch (Natural Gas)	50	2056	\$ 25,000	\$ 500	\$ 6,000	\$ 19,000
			\$ 50,000	\$ 3,000	\$ 17,000	\$ 33,000
<u>Remington Grove</u>						
Remington Station Pumps - Duplex System (Motors; Seals; Impellers)	10	2020	\$ 10,000	\$ 1,000	\$ 8,000	\$ 2,000
Remington Station Pumps - Duplex System (Motors; Seals; Impellers)	10	2028	\$ 10,000	\$ 1,000	\$ -	\$ 10,000
Control Panel Upgrades/Repairs Communications/SCADA	10	2022	\$ 5,000	\$ 500	\$ 3,000	\$ 2,000
Gen Set with Transfer Switch (Natural Gas)	50	2057	\$ 25,000	\$ 500	\$ 5,500	\$ 19,500
			\$ 50,000	\$ 3,000	\$ 16,500	\$ 33,500

<u>Downtown Regional Lift Station - Chapel Hill Rd/Fairview Ave</u>							
Down Town Station Pumps - Duplex System (Parts; Relays; Screens)	10	2022	\$ 13,000	\$ 1,300	\$ 7,800	\$ 5,200	
Down Town Station Pumps - Duplex System (Parts; Relays; Screens)	10	2030	\$ 13,000	\$ 1,300	\$ (2,600)	\$ 15,600	
Control Panel Upgrades/Repairs Communications/SCADA	10	2022	\$ 10,000	\$ 1,000	\$ 6,000	\$ 4,000	
Gen Set with Transfer Switch (Diesel)	50	2062	\$ 50,000	\$ 1,000	\$ 6,000	\$ 44,000	
			\$ 86,000	\$ 4,600	\$ 17,200	\$ 68,800	
Lift Stations Total			\$ 186,000	\$ 10,600	\$ 50,700	\$ 135,300	
Gravity Sewer, Force Mains, Manholes, etc.							
Gravity Sewer	75	2081	\$ 1,125,000	\$ 15,000	\$ 180,000	\$ 945,000	
Force Mains	75	2081	\$ 562,500	\$ 7,500	\$ 90,000	\$ 472,500	
Manholes	50	2056	\$ 25,000	\$ 500	\$ 6,000	\$ 19,000	
Clean-out Manholes	50	2056	\$ 25,000	\$ 500	\$ 6,000	\$ 19,000	
Project Planning		Annual	\$ 50,000	\$ 50,000	\$ -	\$ 50,000	
Air/Vacuum Valves (For forcemain system-Johnsburg Rd)	10	2024	\$ 14,000	\$ 1,400	\$ 7,000	\$ 7,000	
Gravity Sewer, Forcemain etc. Total			\$ 1,801,500	\$ 74,900	\$ 289,000	\$ 1,512,500	
TOTAL SEWER SYSTEM			\$ 2,414,600	\$ 119,786	\$ 650,769	\$ 1,763,831	

Water Systems		Life	Date	Purchase	Annual	FYE Targeted	Future
		Expectancy	to Acquire	Price	Cost	Balance	Accrual
WT	Tower Coatings (Paint)	15	2022	\$ 270,000	\$ 18,000	\$ 198,000	\$ 72,000
WEP	Pumps - Well #3	10	2025	\$ 13,000	\$ 1,300	\$ 3,900	\$ 9,100
WEP	Pumps - Well #4	10	2024	\$ 13,000	\$ 1,300	\$ 5,200	\$ 7,800
WEP	Control Panel Chemical Feed System (Well #3 & #4)	10	2022	\$ 15,000	\$ 1,500	\$ 9,000	\$ 6,000
WEP	Hydropneumatic Tanks at Claremont - (2)	15	2025	\$ 22,500	\$ 1,500	\$ 12,000	\$ 10,500
	MXU Replacement - Shiloh (added FY19 - plan for 10% failure rate per year)			\$ 7,560	\$ 756	\$ -	\$ 7,560
	MXU Replacement - RBF(added FY19 - plan for 10% failure rate per year)			\$ 23,100	\$ 2,310	\$ -	\$ 23,100
	MXU Replacement - Remington Grove(added FY19 - plan for 10% failure rate per year)			\$ 6,580	\$ 658	\$ -	\$ 6,580
	MXU Replacement - Claremont (added FY19 - plan for 10% failure rate per year)			\$ 15,680	\$ 1,568	\$ -	\$ 15,680
MWH	Wellhouse No. 2 and No. 3 - (Roof, Siding, Site and Paint)	20	2026	\$ 100,000	\$ 5,000	\$ 60,000	\$ 40,000
WEP	Well No. 2 (Emergency Only) Control Panel and SCADA/Communications	10	2022	\$ 15,000	\$ 1,500	\$ 9,000	\$ 6,000
WEP	Gen Set with Transfer Switch (Diesel)	50	2056	\$ 25,000	\$ 500	\$ 6,000	\$ 19,000
WEP	Pump - Well #1 Shiloh Ridge	10	2021	\$ 20,000	\$ 2,000	\$ 14,000	\$ 6,000
WEP	Hydropneumatic Tank at Shiloh Ridge	15	2022	\$ 11,250	\$ 750	\$ 8,250	\$ 3,000
WEP	Control Panel Chemical Feed System and SCADA/Communications (Shiloh)	10	2022	\$ 15,000	\$ 1,500	\$ 9,000	\$ 6,000
MWH	Shiloh Wellhouse Repairs (Roof, Siding, Site and Paint)	20	2030	\$ 15,000	\$ 750	\$ 6,000	\$ 9,000
WM	Water Main (8", 10" and 12" Hydrants/Valves/Vaults Equipment Repairs)	50	2056	\$ 1,150,000	\$ 23,000	\$ 276,000	\$ 874,000
TOTAL WATER SYSTEM				\$ 1,737,670	\$ 63,892	\$ 616,350	\$ 1,121,320
WATER/SEWER FUND CAPITAL IMPROVEMENT PLAN				\$ 4,152,270	\$ 183,678	\$ 1,267,119	\$ 2,885,151