

WATER/SEWER FUND CAPITAL IMPROVEMENT PLAN							
Sewer System	Life	Date	Purchase	Annual	FYE Targeted	Future	
	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					\$ -		
Running Brook Farms Blvd./Route 31							
RBF Blvd. Station Pumps - Duplex System (Motors; Seals; Impellors)	10	2020	\$ 10,000	\$ 1,000	\$ 8,000	\$ 2,000	
RBF Blvd. Station Pumps - Duplex System (Motors; Seals; Impellors)	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	
Remington Grove							
Remington Station Pumps - Duplex System (Motors; Seals; Impellors)	10	2020	\$ 10,000	\$ 1,000	\$ 8,000	\$ 2,000	
Remington Station Pumps - Duplex System (Motors; Seals; Impellors)	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	

Downtown Regional Lift Station - Chapel Hill Rd/Fairview Ave										
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 2018 Bal	Future
		Expectancy	to Acquire	Price	Cost	Should Be	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