

CITY OF HARTSVILLE

CAPITAL IMPROVEMENT PLAN - (10 YEAR PLAN)

January 2021

New Order	Category	Project Name
4	Water	New Smith St Well
5	Sewer	SCADA for WWTP, Dogwood Pump Station &
6	Water	South Fifth St Well & WTP
7	Water	Cemetery WTP Rehab
8	Water	SCADA for Water Plants
9	Sewer	Landmark Inn Pump Station
10	Sewer	Dogwood Pump Station (16206)
12	Sewer	Northrup King PS Upgrade
13.1	Sewer	WWTP Outfall Line
13.2	Sewer	WWTP Clarifier Rehab
13.3	Sewer	WWTP Aeration Basin Cleanout
13.4	Sewer	WWTP Electrical Upgrades
13.5	Sewer	WWTP Generator
13.6	Sewer	WWTP Post Aeration Basin
13.7	Sewer	WWTP 2nd Aeration Basin
13.8	Sewer	WWTP 3rd Clarifier
14.1	Sewer	Black Creek PS Pump Replacement
14.2	Sewer	Black Creek Pump Station Screens
15	Sewer	Edgewood Pump Station Abandon/ Miller Terra
16	Sewer	Myrtle St Sewer Rehab (16207)

17	Water	New Elevated Water Tank
18	Water	North 5th Street WTP Generator
19	Water	Raise 3 elevated tanks to gain pressure on wat
20	Water	Replace ARVs
21	Sewer	Sewer Line Exploration
22	Sewer	SCADA for Northrup King
23	Water	SCADA for YMCA
24	Water	Abandon YMCA Booster Station

Project Description	Budget Cost
Building, piping, electrical.	\$1,497,000.00
Install SCADA at WWTP with new devices for pump flow meters, clarifiers sludge depth, influent flow valve control, aerators control, etc. Install new SCADA with wetwell level indicators at Dogwood and Northrup King PS's.	\$150,000.00
Rehabilitation of the well, piping and treatment facility.	\$275,000 dependent on Scope
Rehabilitation of the well, piping and treatment facility.	\$275,000 dependent on Scope
Install SCADA at all water plants to monitor flow, chemicals, etc.	\$140,000.00
Install gravity sewer back to Northrup King. Demolishing and abandoning pump station per DHEC requirements.	\$150,000.00
Project partially design. Relocate on new 40' x 40' site. Replace with new 6 x 6 PS.	\$375,000.00
New building, pumps and wetwell, and bypass pump.	\$1,200,000.00
The WWTP has something that is limiting the discharge capability from the plant. Needs to be investigated and a plan developed to open the outfall.	\$75,000.00
Clarifiers need to be pumped out and cleaned out, go through speed reducers, etc.	\$165,000.00
Aeration basin requires partial shutdown with baffles, bypass pumping, sludge removal, sludge drying and disposal	\$210,000.00
Upgrade electrical service to the WWTP and major electrical systems throughout plant.	\$425,000.00
Install automatic transfer switch and standby generator	\$215,000.00
Install new post aeration chamber to provide higher quality effluent DO.	\$450,000.00
Install new aeration basin to provide increased capacity at the existing WWTP.	\$2,500,000.00
Install new clarifier to provide increased capacity and higher quality at the existing WWTP.	\$3,750,000.00
Replace 3 suction lift pumps.	\$200,000.00
This would remove all solids before the pumps station and serve as headworks screens before the WWTP.	\$1,100,000.00
Could possibly abandon with a sewer extension to 14th Street PS.	\$450,000.00
Project Partially Designed. Point repairs at manholes and a couple on gravity sewer on Myrtle St PS system.	\$225,000.00

Replace 1934 S 5th St Tank with new single pedestal tank.	\$1,300,000.00
Project out for Bids. Installation of a new generator and automatic transfer switch.	\$150,000.00
Raise the three existing tanks on the low pressure system to the HGL of the high pressure tanks to gain more pressure over the entire system (Operator Requested).	\$600,000.00
Replace ARVs in FM from Pine Ridge to WWTP	\$150,000.00
Sewer line evaluation with Redzone. Cost would depend on LF to be evaluated.	\$400,000.00
nstall new monitoring system and monitoring equipment.	\$15,000.00
nstall new monitoring system and monitoring equipment.	\$15,000.00
Removing booster pumps, equipment and capping water mains in accordance with DHEC regulations.	\$35,000.00