

TITLE: Water Booster Pump Station at Loudoun Water Interconnect (20NEW1)

STATUS: Future

PROGRAM DESCRIPTION: This project improves the Town's reliability to provide and maintain the existing level of service to customers during an emergency when the Loudoun Water interconnect is activated. The current emergency water interconnection with Loudoun Water provides the Town a water flow of 1,500-1,800 gallons-per-minute (gpm). A water booster station at the interconnect will increase the flow rate to 3,500 gpm and provide the ability to meet the Town's customer demand in an emergency when the water plant is not online.

OPERATING IMPACT: The booster station will allow an increase in daily water flow between the Town's water system and Loudoun Water during emergencies.

GOAL ADDRESSED: 2012 Town Plan

- Community Facilities and Services Objectives 5 and 6 call for providing adequate water supply and wastewater collection and treatment to meet state and federal criteria.

Department of Utilities Strategic Plan

- To maintain and improve efficiency and effectiveness of the Water Treatment Plant facility.

Significant Dates

UTILITY RELOCATION START	CONSTRUCTION START	ESTIMATED COMPLETION
N/A	Winter 2019/2020	Winter 2020/2021



Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/17							Total for 6 Yr CIP	Future Funds Required
			2018	2019	2020	2021	2022	2023		
Utilities Bonds	\$ 942,150	—	—	—	\$ 195,250	\$ 746,900	—	—	\$ 942,150	—
PAY-GO Utilities	770,850	—	—	—	159,750	611,100	—	—	770,850	—
Total Sources	\$ 1,713,000	—	—	—	\$ 355,000	\$ 1,358,000	—	—	\$ 1,713,000	—

Planned Uses

Uses	Total Project Cost	Expended through 6/30/17							Total for 6 Yr CIP	Future Project Cost
			2018	2019	2020	2021	2022	2023		
Project Management	\$ 13,000	—	—	—	\$ 5,000	\$ 8,000	—	—	\$ 13,000	—
Design/Engineering	350,000	—	—	—	350,000	—	—	—	350,000	—
Construction	1,350,000	—	—	—	—	1,350,000	—	—	1,350,000	—
Total Uses	\$ 1,713,000	—	—	—	\$ 355,000	\$ 1,358,000	—	—	\$ 1,713,000	—

Operating Impact

Operating/Maintenance	2018	2019	2020	2021	2022	2023	Total for 6 Yr CIP
N/A	—	—	—	—	—	—	—
Total Impact	—	—	—	—	—	—	—