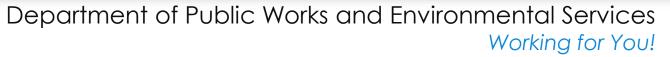
Wastewater Management Capital Improvement Program

Fairfax County Planning Commission CIP Workshop FY 2021 – FY 2025







A Fairfax County, VA, publication March 12, 2020

Project Locations

- County's Noman M. Cole, Jr. Treatment Plant,
- County's Wastewater Collection System, and
- Neighboring Jurisdictions Serving the County

• Noman M. Cole Plant

- Treatment Process Upgrades
 \$5.8M
 - Filtration, equalization basins and solids thickening facilities
- General Rehabilitation and Replacement
 - Pumps, valves, HVAC, disinfection, electrical systems and other facilities
- TOTAL

\$362.8M

\$368.6M

Wastewater Management Capital Improvement Program Pages 175 – 180 of the FY 2021-FY 2025 Advertised CIP

Wastewater Collection System

•	Extension and Improvements	\$9.0M
	 Place holder to extend sewers to areas with failing septic systems 	
•	Gravity Sewer Capacity Improvements	\$78.4M
	 Increase size of sewers to accommodate increased flows 	
•	Pumping Stations Improvements	\$78.1M
	 Improve aging pumping stations and provide odor control 	
•	Sewer Replacement and Rehabilitation	\$108.5M
	 Inspect, repair and replace large diameter pipes 	
•	Sewer Metering Projects	\$2.4M
	 Rehabilitate metering stations for billing wholesale customers and infiltration and inflow studies 	conduct

• TOTAL

\$276.4M



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- Neighboring Jurisdictions Serving the County
 - Alexandria Renew Enterprises (ARenew) \$60.8M
 - Repair, rehabilitation and wet weather flow mitigation projects
 - Arlington Plant Upgrade
 - Technology enhancement, clarifier upgrade, bio-solids master plan, and relining a pipe
 - DC Water (Blue Plains Treatment Plant)
 - Repair, replacement, upgrade, and wet weather mitigation projects
 - Upper Occoquan Service Authority (UOSA)
 \$38M
 - Nutrient removal, filter replacement, and clarifier improvement projects



\$189.9M

\$10.8M

\$80.3M



Wastewater Management Capital Improvement Program Hot Spots in the County

- Route 1 Embark
 - Ongoing coordination with VDOT and FCDOT
 - Sewer relocations
 - Larger sewer lines
- Reston and Tysons Corner
 - Ongoing Master Planning
 - Larger pumping stations
 - Larger sewer lines

\$15M+

\$100M+

• TOTAL

\$115M+



Wastewater Management Capital Improvement Program
Additional Information

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Wastewater Management Program