

Wastewater Management Capital Improvement Program

Fairfax County Planning Commission CIP Workshop FY 2021 – FY 2025

Department of Public Works and Environmental Services
Working for You!



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Pages 175 – 180 of the FY 2021-FY 2025 Advertised CIP

- **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 \$362.8M
 - Pumps, valves, HVAC, disinfection, electrical systems and other facilities

– TOTAL \$368.6M



- **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 conduct infiltration and inflow studies
- TOTAL \$276.4M

- **Neighboring Jurisdictions Serving the County**

– Alexandria Renew Enterprises (ARenew)	\$60.8M
• Repair, rehabilitation and wet weather flow mitigation projects	
– Arlington Plant Upgrade	\$10.8M
• Technology enhancement, clarifier upgrade, bio-solids master plan, and relining a pipe	
– DC Water (Blue Plains Treatment Plant)	\$80.3M
• Repair, replacement, upgrade, and wet weather mitigation projects	
– Upper Occoquan Service Authority (UOSA)	\$38M
• Nutrient removal, filter replacement, and clarifier improvement projects	
• TOTAL	\$189.9M

Hot Spots in the County

- Route 1 – Embark \$15M+
 - Ongoing coordination with VDOT and FCDOT
 - Sewer relocations
 - Larger sewer lines

- Reston and Tysons Corner \$100M+
 - Ongoing Master Planning
 - Larger pumping stations
 - Larger sewer lines

- TOTAL \$115M+

Additional Information

For additional information, please contact

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