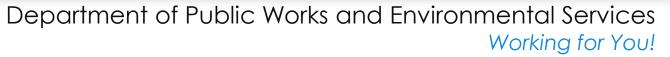
## Wastewater Management Capital Improvement Program

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

• TOTAL

\$276.4M



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

- 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