

Fund 69010

Sewer Operation and Maintenance



Mission

To safely collect and treat wastewater in compliance with all regulatory requirements using state-of-the-art technology in the most cost-effective manner in order to improve the environment and enhance the quality of life in Fairfax County.

Focus

The Wastewater Management Program includes wastewater collection and conveyance, wastewater treatment, and planning and monitoring program areas. The primary functions are to strategically plan, and efficiently operate and maintain the wastewater system in the best interest of the County and its customers. Funding for Fund 69010, Sewer Operation and Maintenance, is financed by a transfer from Fund 69000, Sewer Revenue, which is used to credit all system revenues collected, including availability fees and sewer service charges associated with the program.

This program operates and maintains nearly 3,247 miles of sewer, 63 pump stations and 57 flow-metering stations. Treatment of wastewater generated is provided primarily through six regional wastewater collection and treatment plants. The regional treatment approach takes advantage of economies of scale in wastewater treatment and ensures the economical and efficient operation and management of the program.



Photo of the Noman M. Cole, Jr. Pollution Control Plant

One of the six regional plants is the County owned and operated Noman M. Cole, Jr. Pollution Control Plant (NCPCP), which is currently permitted to treat 67 million gallons per day (mgd) of flow. Other regional facilities where the County has purchased treatment capacity include the District of Columbia Water's Blue Plains Treatment Plant with 31 mgd capacity; Alexandria Renew Enterprises Treatment Plant with 32.4 mgd capacity; Upper Occoquan Service Authority's Treatment Plant with 22.6 mgd capacity; Arlington County's Treatment Plant with 3 mgd capacity; and Loudoun Water's Broad Run

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Plant with 1 mgd capacity. Fairfax County utilizes all of these facilities to accommodate a total capacity of 157 mgd.

The Wastewater Management Program is funded by revenues generated by the customers of the sanitary sewer system and recorded in Fund 69000, Sewer Revenue. Sewer Service Charges support system operation and maintenance costs, debt service payments, and capital projects attributable to supporting and improving wastewater treatment services for existing customers. Availability Charges support a proportional share of system costs and capital projects attributable to growth of the system required to support new customers. Existing customers are defined as those who have paid an Availability Charge for access to the system and receive wastewater treatment services. New customers are those who have not paid the Availability Charge. Upon payment of the Availability Charge and connection to the system, a new customer becomes an existing customer. The County allocates expenses, interest income, bond proceeds, debt service payments, capital improvement project costs, and operating costs between existing and new users of the system. In accordance with the County's "Growth Pays for Growth Policy," both existing and new customers must pay for their share of the system's total annual revenue requirements.

In FY 2019, the financial functions in Fund 69010, Sewer Operations and Maintenance, and Fund 40100, Stormwater Services, were combined. More specifically, the following functional areas were consolidated – financial management, financial reporting and audits, rates setting, budgets, accounting, purchasing, billing, and warehouse needs. The goals of this initiative are to provide savings due to efficiencies and to deliver consistent service for all customers. The positions affected by this change are noted in the positions table under the Budget and Staff Resources section.

A number of trends that may influence the operation and maintenance of the sanitary sewer system over the next two to five years include the following:

Chesapeake Bay Water Quality Program Requirements - The Chesapeake Bay water quality program requires reductions in the amount of nutrient pollutants discharged from wastewater treatment facilities. In December 2004, the state notified the County that the renewal of the County's Virginia Pollutant Discharge Elimination System (VPDES) permit includes a requirement that nutrient removal be performed using "State of the Art" technology and meet a waste load allocation (cap) for the nitrogen and phosphorous nutrients. A phased approach was used to renovate and upgrade current plant facilities to accommodate these more stringent nutrient discharge requirements. These renovations and upgrades were completed in FY 2015. Other regional plants serving the County are at various stages of upgrade for compliance with the new requirements.

Capacity, Management, Operation, and Maintenance (CMOM) - The United States Environmental Protection Agency (USEPA) has proposed sanitary sewer overflow (SSO) regulations, which require municipalities to develop and implement a Capacity, Management, Operation and Maintenance (CMOM) program to eliminate any sewer overflows and back-ups from the wastewater collection systems. The County has implemented the CMOM program that is featured on the USEPA's website at the following link - https://www3.epa.gov/npdes/pubs/sso_casestudy_fairfax.pdf.

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Capital Improvements - Reinvestment in the sewer system infrastructure ensures optimum operation of all wastewater facilities. This initiative, closely related to CMOM endeavors for a quality sewer system, emphasizes capital improvements to wastewater collection and treatment facilities to meet the requirements of the sanitary sewer overflow regulations. The program continues to take a proactive stance toward infrastructure rehabilitation.

Integration of Information

Technology - The Geographic Information System (GIS), the Supervisory Control and Data Acquisition (SCADA) system and the Infrastructure Computerized Maintenance Management System (ICMMS) require integration for optimal use. Computing and information technology are an integral part of every aspect of the Wastewater Management Program operations. Today's high customer expectations and increasing reliance on consistent 24-hour services lead to an increasing dependence on stable and reliable integrated information

technologies that infuse the business process. Presently, the Enterprise Asset Management system (EAM) has successfully integrated with GIS and ICMMS to provide reports for the SCADA system. The EAM system and SCADA system are not yet integrated. Future customer service needs will require a full enterprise integration of the critical information technology systems to reduce the total cost of ownership, increase availability of critical business data in the right format, and improve the quality and delivery of services to sewer customers.

Asset Management Program - As a result of evaluating the program's financial management strategies, an Asset Management Program was developed. The first phase aligned the program's capital asset policies and procedures with the County's fixed asset policies and developed a process in which to evaluate the program's infrastructure. The second phase developed criteria to identify the program's critical assets. After the criteria were tested and accepted, they were applied to all program assets. Phase three will be the condition assessment of all assets beginning with the most critical assets. In FY 2020, sewer lines less than 15-inches in diameter continue to be prioritized and assessed while sewer lines greater than 15-inches in diameter will be assigned to vendors for condition assessment. The implementation of the decision support system was initiated and scheduled to be completed at the end of FY 2019.

Wastewater Collection Division (WCD) - operates and maintains approximately 3,247 miles of collection system, 63 pumping stations, and 57 flow meter stations throughout the service area. The agency continues to take a very proactive approach toward maintenance and strives for continuous improvement in its daily functions. WCD maintains facilities at a high competence level.

Sewer Operation and Maintenance supports the following County Vision Elements:



Maintaining Safe and Caring Communities



Building Livable Spaces



Maintaining Healthy Economies



Practicing Environmental Stewardship



Exercising Corporate Stewardship

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Wastewater Treatment Division (WTD) - operates and maintains the NCPCP. The agency has an exemplary record of producing high-quality clean water, which surpasses regulatory requirements at a low unit cost relative to other advanced wastewater treatment plants in the region. Construction of facilities for the Enhanced Nutrient Removal upgrades at the plant is complete.

Wastewater Planning and Monitoring Division (WPMD) - establishes and manages the future requirements for the Wastewater Management Program in regards to expansion needs of facilities by reviewing and monitoring new and potential developments in the County. WPMD also analyzes the financial position of the Program in order to maintain competitive rates and high bond ratings, and achieve financial targets. WPMD and the Fairfax County Department of Finance work together annually to create award winning Comprehensive Annual Financial Reports (CAFR) for the Integrated Sewer System. In addition, WPMD documents the high quality of the County's treated wastewater by analyzing an extensive number of water samples. While actively promoting outreach throughout the County, WPMD passes audits, confirms discharge quality, and runs a successful Industrial Pretreatment program to prevent damage to the collection system and the treatment processes, and to protect the health and safety of the employees and the public.

The table below reflects the Wastewater Management Program's projected fiscal health in FY 2020 and FY 2021. The financial planning process incorporates the following indicators that are interrelated and structured to identify the adequacy of rates from a cash flow, business, and compliance standpoint. These indicators are used by the bond rating agencies to determine the Program's credit rating.

Calculated Financial Indicators

Financial Indicator	Target	Achieved	FY 2020	FY 2021
Net Revenue Margin	45.0% to 55.0%	Yes	50.2%	51.8%
Days Working Capital ¹	150 to 200 days	Yes	152	152
Debt Coverage Senior	Min. 3.00x	Yes	3.29x	3.59x
Debt Coverage All-in	2.00x to 2.50x	Yes	2.07x	2.29x
Affordability (% of median income spent on sewer bill)	Less than 2.0%	Yes	0.6%	0.6%
Debt to Net Plant in Service	Below 35.0% Never above 45.0%	Yes	34.3%	35.6%
Outstanding Debt per Connection	Max \$3,000	Yes	\$1,668	\$1,756
Anticipated Sewer Bond Sales Through FY 2020				\$130 million

(1) The Days Working Capital financial indicator is exclusive of Availability Charges in Fund 69000, Sewer Revenue, and Fund 69300, Sewer Construction Improvement. It is calculated based on Operating Expenses and 360 days.

The billing rates for both Sewer Service Charges and Base Charges are revised in FY 2020. The Base Charge increases from \$30.38 per quarter to \$32.91 per quarter. The Sewer Service Charge increases from \$7.00 to \$7.28 per 1,000 gallons of water consumed. Based on Fairfax County's winter quarter average consumption of 18,000 gallons, the average customer will see an annual cost increase of \$30.28 or 4.9 percent. In addition, as part of the FY 2020 Advertised Budget Plan, the Wastewater Management staff recommends to establish charges to recover a portion of the cost of disposal and treatment of hauled wastewater at the County's septage receiving facility (SRF), which is located at the NCPCP. DPWES proposes to initially set the charges at a level comparable to the fees charged by the Upper Occoquan Service Authority (UOSA), the only other facility in the County that receives hauled wastewater. Since septic tank and restaurant grease waste has higher strength than portable toilet and landfill leachate waste, the proposed charge for high strength waste is \$27 per 1,000 gallons of the hauler's truck capacity.

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The proposed fee for low strength waste is \$7 per 1,000 gallons of hauler truck capacity, which is based on the prevailing sewer service charge and will be modified as the sewer service charge is adjusted in the future. The projected FY 2020 revenue from the recommended charges for hauled wastewater is equal to \$250,000. For more information, please refer to Fund 69000, Sewer Revenue, in Volume 2 of the FY 2020 Advertised Budget Plan.

It is anticipated that these billing charges will support the County's ability to maintain high bond ratings (AAA by Fitch Investor Service and Standard and Poor's Corporation and Aaa by Moody's Investors Service, Inc.) from the rating agencies. These high credit ratings have enabled the County to sell bonds on behalf of the Program at interest rates lower than those obtained by most sewer authorities, thereby achieving savings throughout the life of the bonds.

Budget and Staff Resources

Category	FY 2018 Actual	FY 2019 Adopted	FY 2019 Revised	FY 2020 Advertised
FUNDING				
Expenditures:				
Personnel Services	\$28,621,967	\$31,784,745	\$31,784,745	\$33,147,008
Operating Expenses	68,926,905	68,773,063	69,709,485	71,300,120
Capital Equipment	732,363	1,778,001	2,233,671	2,193,989
Subtotal	\$98,281,235	\$102,335,809	\$103,727,901	\$106,641,117
Less:				
Recovered Costs	(\$782,769)	(\$598,010)	(\$598,010)	(\$598,010)
Total Expenditures	\$97,498,466	\$101,737,799	\$103,129,891	\$106,043,107
AUTHORIZED POSITIONS/FULL-TIME EQUIVALENT (FTE)				
Regular	317 / 317	324 / 324	324 / 324	328 / 328

FY 2020 Funding Adjustments

The following funding adjustments from the FY 2019 Adopted Budget Plan are necessary to support the FY 2020 program.

- ◆ **Employee Compensation** **\$758,457**
 An increase of \$758,457 in Personnel Services includes \$298,760 for a 1.0 percent market rate adjustment (MRA) for all employees and \$459,697 for performance-based and longevity increases for non-uniformed merit employees, both effective July 2019.
- ◆ **Other Post-Employment Benefits** **\$100,460**
 An increase of \$100,460 in Personnel Services reflects required adjustments associated with providing Other Post-Employment Benefits (OPEBs) to retirees, including the Retiree Health Benefits Subsidy. For more information on Other Post-Employment Benefits, please refer to Fund 73030, OPEB Trust, in Volume 2 of the FY 2020 Advertised Budget Plan.

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- ◆ **New Positions** **\$503,346**

An increase of \$503,346 in Personnel Services is necessary to fund salary and Fringe Benefits requirements associated with 4/4.0 FTE positions in FY 2020, including 1/1.0 FTE Administrative Assistant V, 1/1.0 FTE Senior Engineer III, 1/1.0 FTE Engineer III, and 1/1.0 FTE Public Works-Environmental Business Operations Manager. The Administrative Assistant V position will be responsible for the accounting and reconciliation of all wastewater revenue financial transactions, answering customers' calls and responding to customers' inquiries regarding sewer service charges, running and analyzing monthly Public Works Sewer Application Tracking reports, and preparing statistical reports. This position will also assist with the sewer system annual external financial audit, financial audit of Fairfax Water, follow-up associated with outstanding wholesale customers' invoices, and reviewing and reconciling grant revenue for both Wastewater and Stormwater. The Senior Engineer III position will assist with the Wastewater Collection Division's (WCD) planning and implementation of a \$45 million Capital Improvement Program (CIP). The WCD's CIP has grown from 20 active projects to over 50 projects over the last three years and it is likely to increase in the foreseeable future. The Engineer III position will analyze wastewater flow and load trends using historical flow and load, rainfall, metered flow, sewer taps and connections data to allow Wastewater management to more accurately forecast projections. This position will also prepare, maintain, manage and present extensive records and report findings, develop recommendations based on data findings, perform technical work by gathering and analyzing data to support monitoring for the Infiltration and Inflow Program. The Public Works-Environmental Business Operations Manager position is based on the recommendations of the DPWES Trades study and will manage the work of the instrumentation and electrical shops at the NCPCP. This position will improve procurement, administration, and oversight to improve the shops' effectiveness within a large field branch and provide both supervisory and advanced analytical skills.

- ◆ **Operational Requirements** **\$2,527,057**

An increase of \$2,527,057 in Operating Expenses is necessary to fund increased chemical, electrical, and inter-jurisdictional costs. These expenses represent approximately 85 percent of the total Operating Expenses.

- ◆ **Capital Equipment** **\$2,193,989**

Capital Equipment funding of \$2,193,989 includes \$1,819,489 for replacement vehicles and equipment that have outlived their useful life and are not cost effective to repair, and \$374,500 for new equipment. The replacement vehicles and equipment include: \$468,000 for one dump truck, one crash pad attenuator trailer, and seven pickup trucks to provide transportation for crews and their equipment; \$450,000 for two pump/tank trucks that are used to pump down lift stations, and remove and transport large quantities of sewage on a daily basis; \$445,000 for one camera flusher truck that has a cold weather recirculation system, a liquid debris pump-off system, hydraulic booms, aluminum water tanks, hose reels, a positive displacement technology, a multi-stage blower filtration system, and safety warning equipment, all extremely critical to the proper maintenance of sewers and the prevention of back-ups and overflows; \$161,000 for one mini excavator that will allow crews to access areas that are difficult to reach while reducing the impact to the environment when making sewer-related repairs; \$119,489 for the replacement of critical laboratory equipment, including a stainless steel manifold, an automated evaporation system, a rotary agitator, an isotemp incubator, an uninterrupted power supply system, a balance, a precision autodilutor, and a large capacity laboratory dishwasher; and \$176,000 for other replacement technical support equipment used for maintenance requirements. The new Capital Equipment includes \$150,000 for a crane/utility body truck that will help with the repair and maintenance of pump stations while increasing efficiency and

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reducing the risk of lifting-related injury; \$112,000 for a single quadrupole system with superior sensitivity for analytical needs that incorporates processes for faster operations and consistency in performances over time; \$63,000 for an automated titrator that will be able to analyze parameters/ions, including but not limited to alkalinity, conductivity, chlorides, and sulfides; \$42,000 for a soda blaster that is used for removing paint from pipes and equipment at the plant; and \$7,500 for a hydrogen sulfide gas meter that will be used to monitor the wastewater system for hydrogen sulfide, which is required to evaluate the current condition of the system.

Changes to FY 2019 Adopted Budget Plan

The following funding adjustments reflect all approved changes in the FY 2019 Revised Budget Plan since passage of the FY 2019 Adopted Budget Plan. Included are all adjustments made as part of the FY 2018 Carryover Review, and all other approved changes through December 31, 2018.

- ◆ **Carryover Adjustments** **\$1,392,092**
As part of the *FY 2018 Carryover Review*, the Board of Supervisors approved funding of \$1,392,092 due to encumbrances of \$936,422 in Operating Expenses and encumbrances of \$455,670 in Capital Equipment.

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Cost Centers

Wastewater Collection

The Wastewater Collection Division is responsible for the operation and maintenance of the collection system which includes the physical inspection of sewer lines, the rehabilitation of aging and deteriorated sewer lines, and pumping stations; raising manholes, sewer line location and marking for the Miss Utility Program. The division also responds to emergency repair of sewer lines and provides 24-hour hotline and service response to homeowners in the County.

Category	FY 2018 Actual	FY 2019 Adopted	FY 2019 Revised	FY 2020 Advertised
EXPENDITURES				
Total Expenditures	\$15,432,107	\$17,659,276	\$18,586,512	\$18,906,305
AUTHORIZED POSITIONS/FULL-TIME EQUIVALENT (FTE)				
Regular	135 / 135	139 / 139	138 / 138	140 / 140

<u>Collection Program</u>	<u>Gravity Sewers</u>	<u>Pumping Stations</u>
1 Director	1 Public Works Env. Svcs. Mgr.	1 Public Works Env. Svcs. Mgr.
1 Human Resources Generalist III	1 Public Works Env. Svcs. Specialist	1 Industrial Electrician Supervisor
1 Human Resources Generalist I	6 Senior Maintenance Svcs.	1 Instrumentation Supervisor
1 Management Analyst III	1 Vehicle Maint. Coordinator	1 Plant Maintenance Supervisor
1 Safety Analyst	11 Heavy Equipment Operators	2 Industrial Electricians III
3 Administrative Assistants IV	15 Motor Equipment Operators	3 Industrial Electricians II
1 Administrative Assistant III	3 Truck Drivers	7 Plant Mechanics III
1 Administrative Assistant II	10 Senior Maintenance Workers	8 Plant Mechanics II
	6 Maintenance Workers	3 Instrumentation Technicians III
	3 Environmental Services Svcs.	2 Instrumentation Technicians II
	1 Engineer III	3 Instrumentation Technicians I
	1 Engineering Technician II	
	1 Industrial Electrician III	
<u>Projects and Assets</u>		
2 Public Works Env. Tech. Specs.		
1 Engineer V		
2 Engineers IV		
1 Senior Engineer III (1)		
3 Engineers III (1)		
1 Engineering Technician III		
4 Engineering Technicians II		
9 Engineering Technicians I		
2 Environmental Services Svcs.		
7 Instrumentation Technicians II		
5 Instrumentation Technicians I		
1 Project Manager II		
TOTAL POSITIONS		
140 Positions (2) / 140.0 FTE (2.0)		

() Denotes New Positions

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Wastewater Treatment

The Wastewater Treatment Division includes a variety of activities to support the advanced treatment of wastewater, which includes regulatory requirements associated with the Chesapeake Bay, Clean Water Act and other environmental standards. The plant also provides enhanced odor control services, water and energy management, and water reuse.

Category	FY 2018 Actual	FY 2019 Adopted	FY 2019 Revised	FY 2020 Advertised
EXPENDITURES				
Total Expenditures	\$23,118,712	\$25,114,709	\$25,435,857	\$25,600,317
AUTHORIZED POSITIONS/FULL-TIME EQUIVALENT (FTE)				
Regular	131 / 131	133 / 133	134 / 134	135 / 135
<hr/>				
<p><u>NCPCP</u></p> <p>1 Director</p> <p>2 Senior Engineers III</p> <p>1 Safety Analyst</p> <p>1 Management Analyst III</p> <p>1 Heavy Equipment Supervisor</p> <p>3 Heavy Equipment Operators</p> <p>1 Administrative Assistant IV</p> <p><u>IT Services</u></p> <p>1 Info. Tech. Prog. Manager I</p> <p>1 Network/Telecomm. Analyst III</p> <p>4 Network/Telecomm. Analysts II</p> <p>2 Network/Telecomm. Analysts I</p> <p>1 Programmer Analyst III</p> <p>1 Data Analyst I</p>	<p><u>Operations</u></p> <p>1 Public Works Env. Svcs. Mgr.</p> <p>1 Plant Operations Superintendent</p> <p>6 Plant Operations Supervisors</p> <p>8 Plant Operators III</p> <p>14 Plant Operators II</p> <p>22 Plant Operators I</p> <p>1 Instrumentation Technician II</p> <p><u>Engineering Support</u></p> <p>1 Engineer V</p> <p>1 Engineer IV</p> <p>1 Engineer III</p> <p>1 Engineering Technician III</p> <p>4 Assistant Project Managers</p>	<p><u>Maintenance</u></p> <p>1 Public Works Env. Svcs. Mgr.</p> <p>1 Public Works-Env. Business Operations Manager (1)</p> <p>1 Industrial Electrician Supervisor</p> <p>1 Instrumentation Supervisor</p> <p>2 Plant Maintenance Supervisors</p> <p>1 Chief Building Maintenance</p> <p>5 Industrial Electricians III</p> <p>3 Industrial Electricians II</p> <p>1 Industrial Electrician I</p> <p>2 Welders II</p> <p>3 Instrumentation Technicians III</p> <p>5 Instrumentation Technicians II</p> <p>5 Senior Maintenance Workers</p> <p>6 Plant Mechanics III</p> <p>8 Plant Mechanics II</p> <p>1 Painter II</p> <p>2 Painters I</p> <p>2 HVACs II</p> <p>1 General Building Maint. Worker I</p> <p>1 Plant Operator II</p> <p>1 Senior Environmental Specialist</p> <p>1 Engineering Technician II</p>		
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TOTAL POSITIONS				
135 Positions (1) / 135.0 FTE (1.0)				
() Denotes New Position				

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Wastewater Planning and Monitoring

The Wastewater Planning and Monitoring Division assesses and monitors long-term planning needs for the Wastewater Management Program and conducts environmental monitoring for regulatory compliance and for protection of the wastewater system and the environment. The staff also determines and plans for infrastructure expansion requirements and financial demands for the entire wastewater system.

Category	FY 2018 Actual	FY 2019 Adopted	FY 2019 Revised	FY 2020 Advertised
EXPENDITURES				
Total Expenditures	\$58,947,647	\$58,963,814	\$59,107,522	\$61,536,485

AUTHORIZED POSITIONS/FULL-TIME EQUIVALENT (FTE)				
Regular	51 / 51	52 / 52	52 / 52	53 / 53

<u>Financial Management and Planning</u>	<u>Engineering Planning and Analysis</u>
1 Deputy Director, Wastewater/Stormwater	1 Engineer V
1 Director, Planning/Monitoring Division	1 Engineer IV
1 Finance Manager, Wastewater/Stormwater **	3 Engineers III
1 Management Analyst I	
1 Financial Specialist IV **	
1 Financial Specialist III **	<u>Environmental Monitoring</u>
1 Financial Specialist II **	1 Chief, Environmental Monitoring
2 Administrative Assistants V (1) **	1 Pretreatment Manager
1 Administrative Assistant IV	1 Env. Laboratory Manager
4 Administrative Assistants III **	1 Code Specialist III
2 Inventory Managers **	3 Code Specialists II
1 Material Mgmt. Specialist III **	1 Code Specialist I
4 Material Mgmt. Specialists II **	2 Environmental Technologists III
1 Material Mgmt. Assistant **	2 Environmental Technologists II
1 Engineering Technician III	7 Environmental Technologists I
2 Engineering Technicians II	2 Management Analysts II
	1 Management Analyst I
	1 Administrative Assistant III
<u>TOTAL POSITIONS</u>	** Denotes Positions Consolidated with Stormwater
53 Positions (1) / 53.0 FTE (1.0)	() Denotes New Position

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Key Performance Measures

Indicator	Prior Year Actuals			Current Estimate	Future Estimate
	FY 2016 Actual	FY 2017 Actual	FY 2018 Estimate/Actual	FY 2019	FY 2020
Wastewater Management Program					
Compliance with Title V air permit and State water quality permit	100%	100%	100%/100%	100%	100%
Blockages causing sewer back-ups per year (5-yr. avg. = 16)	14	19	15/17	15	15
Average household sewer bill compared to other providers in the area	2 nd lowest out of 7	Below regional average	Below regional average/Below regional average	Below regional average	Below regional average
Debt Coverage Ratio: (Revenue - Operating Cost/Debt)	2.10	2.38	2.00/2.38	2.35	2.34

A complete list of performance measures can be viewed at
<https://www.fairfaxcounty.gov/budget/fy-2020-advertised-performance-measures-pm>

Performance Measurement Results

The Wastewater Management Program continues to maintain 100 percent compliance with Title V air permit and State water quality permit requirements.

When comparing average annual sewer service billings for the regional jurisdictions, Fairfax County has a below regional average annual sewer service billing at \$625. Other regional jurisdictions range from \$479 to \$1,077 (as of October 2018). The average sewer service billings for the other regional jurisdictions have been developed by applying each jurisdiction's sewer service rate to appropriate Single Family Residence Equivalent's (SFRE) water usage determined from an analysis of Fairfax Water's historical average water usage records for SFREs. Based on the latest rate comparison, Fairfax County has the third lowest annual sewer service charge out of the seven jurisdictions. The program is able to maintain its competitive rates while providing quality service to its customers, protecting the environment, and maintaining sufficient financial resources to fully fund the program's initiatives.

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FUND STATEMENT

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	FY 2018 Actual	FY 2019 Adopted Budget Plan	FY 2019 Revised Budget Plan	FY 2020 Advertised Budget Plan
Beginning Balance	\$4,520,581	\$4,125,381	\$5,612,115	\$102,224
Transfer In:				
Sewer Revenue (69000)	\$101,440,000	\$100,470,000	\$100,470,000	\$108,900,000
Total Transfer In	\$101,440,000	\$100,470,000	\$100,470,000	\$108,900,000
Total Available	\$105,960,581	\$104,595,381	\$106,082,115	\$109,002,224
Expenditures:				
Personnel Services	\$28,621,967	\$31,784,745	\$31,784,745	\$33,147,008
Operating Expenses	68,926,905	68,773,063	69,709,485	71,300,120
Recovered Costs	(782,769)	(598,010)	(598,010)	(598,010)
Capital Equipment	732,363	1,778,001	2,233,671	2,193,989
Total Expenditures	\$97,498,466	\$101,737,799	\$103,129,891	\$106,043,107
Transfer Out:				
General Fund (10001) ¹	\$2,850,000	\$2,850,000	\$2,850,000	\$2,850,000
Total Transfer Out	\$2,850,000	\$2,850,000	\$2,850,000	\$2,850,000
Total Disbursements	\$100,348,466	\$104,587,799	\$105,979,891	\$108,893,107
Ending Balance²	\$5,612,115	\$7,582	\$102,224	\$109,117

¹ Funding in the amount of \$2,850,000 is transferred to the General Fund to partially offset central support services supported by the General Fund, which benefit Fund 69010, Sewer Operation and Maintenance. These indirect costs include support services such as Human Resources, Purchasing, Budget and other administrative services.

² The Wastewater Management Program maintains fund balances at adequate levels relative to projected operation and maintenance expenses. These costs change annually; therefore, funding for sewer operations and maintenance is carried forward each fiscal year, and ending balances fluctuate, reflecting the carryover of these funds.