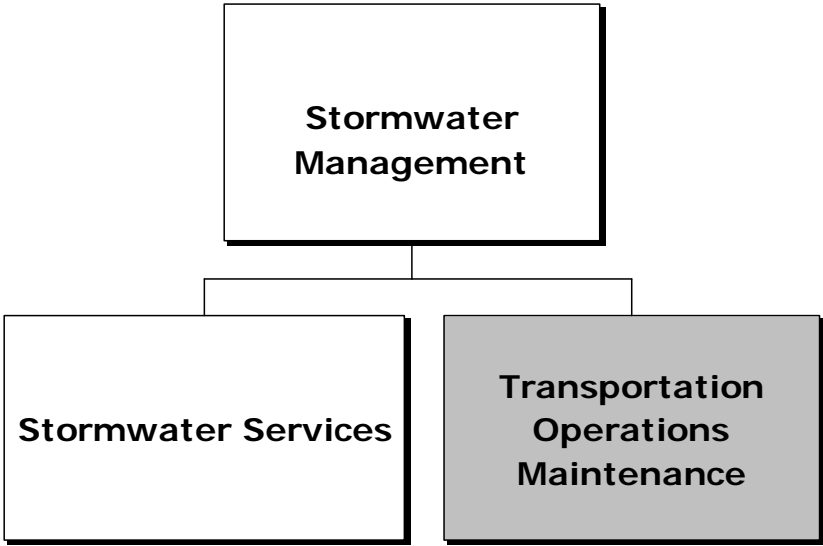



Fund 40100 Stormwater Services



 Denotes functions that are included in both the General Fund, Agency 87, Unclassified Administrative Expenses, and Fund 40100, Stormwater Services.

Mission

To develop and maintain a comprehensive watershed and infrastructure management program to protect property, health and safety; to enhance the quality of life; and to preserve and improve the environment for the benefit of the public. To plan, design, construct, operate, maintain and inspect the infrastructure, and perform environmental assessments through coordinated stormwater and maintenance programs in compliance with all government regulations utilizing innovative techniques, customer feedback and program review; and to be responsive and sensitive to the needs of the residents, customers and public partners.

Focus

Stormwater Services are essential to protect public safety, preserve property values and support environmental mandates such as those aimed at protecting the Chesapeake Bay and the water quality of other local jurisdictional waterways. Projects in this fund include repairs to stormwater infrastructure, measures to improve water quality such as stream stabilization, rehabilitation, safety upgrades of state regulated dams, repair and rehabilitation of underground pipe systems, surface channels, structural flood proofing and best management practices (BMP), site retrofits and other improvements. This funding also supports the implementation of watershed master plans, public outreach efforts, and stormwater monitoring activities as well as operational maintenance programs related to the existing storm drainage infrastructure as it pertains to stormwater conveyance and stormwater quality improvements.

Fund 40100 Stormwater Services

As part of the FY 2010 Adopted Budget Plan, a special service district was created to support the Stormwater Management Program and provide a dedicated funding source for both operating and capital project requirements, as authorized by Code of Virginia Ann. Sections 15.2-2400. In FY 2018, the stormwater service rate will increase from \$0.0275 to \$0.0300 per \$100 of assessed real estate value. In FY 2015, staff developed a five-year rate plan and a phased approach for funding and staffing to support the anticipated regulatory increases.

The 5-year spending plan includes approximately \$225 million in required projects and operational support; therefore, the plan includes an annual increase in the rate of $\frac{1}{4}$ penny each year. This increase will support a number of goals. First, it will provide for constructing and operating stormwater management facilities, including stream restorations, new and retrofitted ponds, and installation of Low Impact Development (LID) techniques, required to comply with the federally mandated Chesapeake Bay Program. This program requires the County to reduce Phosphorus, Nitrogen, and sediment loads to the Potomac River and Chesapeake Bay. Municipal Separate Storm Sewer System (MS4) Permit holders must achieve 5 percent of the required reductions in the first five years; 35 percent of the required reductions in the second five years; and 60 percent of the required reductions in the third five years. The Capital Improvement Program includes a gradual increase that will help meet these requirements. Second, the increase will aid in the planning, construction, and operation of stormwater management facilities required to comply with state established local stream standards by reducing bacteria, sediments, and Polychlorinated Biphenyl (PCB) entering local streams. It is estimated that between 70 and 80 percent of the streams in the County are currently impaired. Third, the increase will support the federally mandated inspecting, mapping, monitoring, maintaining, and retrofitting of existing stormwater facilities. The County currently owns and maintains over 1,900 stormwater management facilities that are valued at over \$500 million. Fourth, the increase will aid in collecting stormwater data and reporting the findings; providing community outreach and education, supporting new training programs for employees; and developing new Total Maximum Daily Loads (TMDL) Action Plans for impaired streams related to the MS4 Permit requirements. Fifth, the increase will improve dam safety by supporting annual inspections of 20 state-regulated dams in the County and by developing Emergency Action Plans required by the state. The Emergency Action Plans are updated annually and a new plan will be prepared for each dam every six years. In addition, these plans include annual emergency drills and exercises, and flood monitoring for each dam. Finally, the increase will facilitate the maintaining, rehabilitating, and reinvesting in the County's conveyance system. The County's conveyance system includes over 62,000 structures and 1,400 miles of pipes and improved channels, and it is valued at more than \$1 billion. The FY 2018 rate of \$0.0300 per \$100 of assessed real estate value is consistent with the 5-year plan.

The FY 2018 levy of \$0.0300 will generate \$70,398,306, supporting \$20,696,012 for staff and operational costs; \$48,577,294 for capital project implementation including, infrastructure reinvestment, regulatory requirements, dam safety, and contributory funding requirements; and \$1,125,000 transferred to the General Fund to partially offset central support services such as Human Resources, Purchasing, Budget and other administrative services supported by the General Fund which benefit this fund.

Fund 40100




Stormwater Services

Stormwater Services Operational Support

Fund 40100, Stormwater Services, provides funding for staff salaries, Fringe Benefits, and Operating Expenses for all stormwater operations. In addition, Fund 40100 includes 25/25.0 FTE positions related to transportation operations maintenance provided by the Maintenance and Stormwater Management Division. All funding for the transportation related salary expenses and equipment is recovered from General Fund Agency 87, Department of Public Works and

Environmental Services (DPWES) Unclassified Administrative Expenses, and Capital Projects related to transportation located in Fund 30010, General Construction and Contributions, and Fund 30060, Pedestrian Walkway Improvements, as they do not qualify for expenses related to the stormwater service district.

**Stormwater Services supports
the following County Vision Elements:**

-  **Maintaining Safe and Caring Communities**
-  **Connecting People and Places**
-  **Practicing Environmental Stewardship**

Fund 40100 also supports the Urban Forestry Management Division (UFMD). The UFMD was established to mitigate tree loss and maximize tree planting during land development, enforce tree conservation requirements and monitor and suppress populations of Gypsy Moth, Emerald Ash Borer and other forest pests. The division also implements programs needed to sustain the rich level of environmental, ecological and socio-economic services provided by the County's tree canopy. The UFMD is aligned with the mission of Stormwater Services as it strives to "*improve water quality and stormwater management through tree conservation.*" Tree canopy and forest soils contribute significant levels of water pollution and stormwater runoff mitigation services. Recent analysis has estimated that the County would need to invest \$1.9 billion dollars in infrastructure to match the level of stormwater management that is provided by its tree canopy during a ten-year storm event.

Stormwater Regulatory Program

The County is required by federal law to operate under the conditions of a state issued MS4 Permit. Stormwater staff annually evaluates funding required to meet the increasing federal and state regulatory requirements pertaining to the MS4 Permit requirements, and State and Federal mandates associated with controlling water pollution delivered to local streams and the Chesapeake Bay. The MS4 Permit allows the County to discharge stormwater from its stormwater systems into state and federal waters. The County currently owns and/or operates approximately 7,000 regulated outfalls within the stormwater system that are governed by the permit. The current permit was issued to the County in April 2015. The permit requires the County to better document the stormwater management facility inventory, enhance public outreach and education efforts, increase water quality monitoring efforts, provide stormwater management and stormwater control training to all County employees, and thoroughly document all of these enhanced efforts. The permit also requires the County to implement sufficient stormwater projects that will reduce the nutrients and sediment delivered to the Chesapeake Bay in compliance with the Chesapeake Bay TMDL implementation plan adopted by the State. Funding in the amount of \$6.5 million is included for the Stormwater Regulatory Program in FY 2018.

Fund 40100

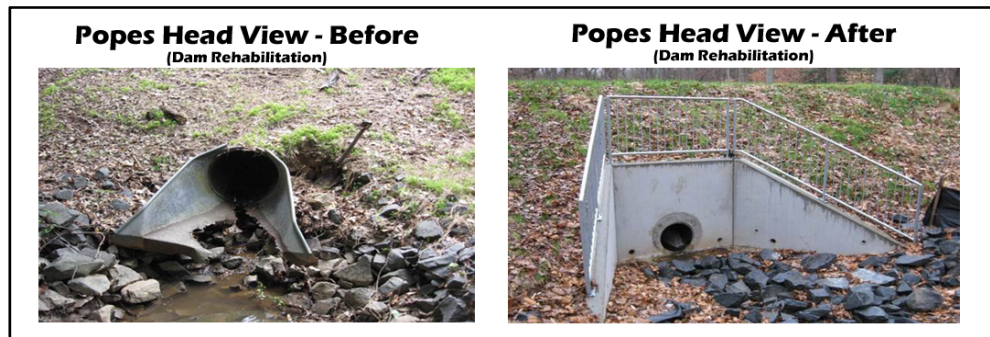
Stormwater Services

Dam Safety and Facility Rehabilitation

There are currently more than 6,100 stormwater management facilities in service that range in size from small rain gardens to large state regulated flood control dams. The County is responsible for inspecting both County owned and privately owned facilities and for maintaining County owned facilities. This inventory increases yearly and is projected to continually increase as new development and redevelopment sites are required to install stormwater management controls. This program maintains the control structures and dams that control and treat the water flowing through County owned facilities. This initiative also includes the removal of sediment that occurs in both wet and dry stormwater management

facilities to ensure that adequate capacity is maintained to treat the stormwater. The program results in approximately 25 projects annually that require design

and construction management activities as well as contract management and maintenance responsibilities. Funding in the amount of \$7.5 million is included for Dam Safety and Facility Rehabilitation in FY 2018.



Conveyance System Inspections, Development and Rehabilitation

The County owns and operates approximately 1,400 miles of underground stormwater pipes and improved channels with an estimated replacement value of over one billion dollars. The County began performing internal

inspections of the pipes in FY 2006. The initial results showed that more than 5 percent of the pipes were in complete failure and an additional 15 percent of them required immediate repair. Increased MS4 Permit regulations apply



to these 1,400 miles of existing conveyance systems and 62,000 stormwater structures. Acceptable industry standards indicate that one dollar re-invested in infrastructure saves seven dollars in the asset's life and 70 dollars if asset failure occurs. The goal of this program is to inspect pipes on a 20-year cycle and rehabilitate pipes and improved channels before total failure occurs. Total funding in the amount of \$7.0 million is included for Conveyance System Inspections, Development and Rehabilitation in FY 2018, including \$2.0 million for inspections and development and \$5.0 million for rehabilitation.

Fund 40100

Stormwater Services

Stream and Water Quality Improvements

This program funds water quality improvement projects necessary to mitigate the impacts to local streams and the Chesapeake Bay resulting from urban stormwater runoff. This includes water quality projects such as construction of stormwater management ponds, implementation of low impact development techniques on stormwater facilities, stream restorations, and approximately 1,700 water quality projects identified in the completed countywide Watershed Management Plans. In addition, Total Maximum Daily Load (TMDL) requirements for local streams and the Chesapeake Bay are the regulatory process by which pollutants entering impaired water bodies are reduced. The Chesapeake Bay TMDL was established by the EPA and requires that MS4 communities as well as other dischargers



implement measures to significantly reduce the nitrogen, phosphorous and sediment loads entering waters draining to the Bay by 2025. Compliance with the Bay TMDL requires that the County should undertake construction of new stormwater facilities, retrofit existing facilities and properties, and increase maintenance. Preliminary estimates indicate that the projects needed to bring the County's stormwater system into compliance with the Bay TMDL could cost between \$70 and \$90 million per year. Most of the 1,700 watershed management plan projects contribute towards achieving the bay and local stream TMDL requirements. Funding in the amount of \$22.1 million is included for Stream and Water Quality Improvements in FY 2018.

Emergency and Flood Response Projects

This program supports flood control projects for unanticipated flooding events that impact storm systems and flood residential properties. The program provides annual funding for scoping, design, and minor construction activities related to flood mitigation projects. Funding in the amount of \$1.0 million is included for the Emergency and Flood Response Projects in FY 2018.

Flood Prevention in the Huntington Area

This program will address the health and public safety concerns associated with the recurring flooding in the Huntington area by designing and constructing a levee and community drainage improvements that will ensure the safe operation and long-term sustainability of this critical piece of infrastructure. Initial funding of \$30,000,000 was approved as part of the 2012 Stormwater Bond Referendum. The bond amount approved by the voters was based on a preliminary design by the US Army Corps of Engineers (USACE). The current, updated total project estimate is approximately \$40,000,000. To accommodate funding beyond that currently approved, a strategy was developed using a portion of revenue from the Stormwater Service District allocated to the Stream and Water Quality Improvements Program. The strategy reallocates a total of \$10,000,000 over a four year period. Use of the Stormwater Service District for this project is consistent with the goals of the program to address structural flooding and other critical community stormwater needs. Funding in the amount of \$3.0 million is included for Flood Prevention in the Huntington area in FY 2018.

Fund 40100

Stormwater Services

Stormwater Allocation to Towns

On April 18, 2012, the State Legislature passed SB 227, which entitles the Towns of Herndon and Vienna to all revenues collected within their boundaries by Fairfax County's stormwater service district. An agreement was developed for a coordinated program whereby the Towns remain part of the County's service district and the County returns 25 percent of the revenue collected from properties within each town. This allows for the towns to provide services independently such as maintenance and operation of stormwater pipes, manholes, and catch basins. The remaining 75 percent remains with the County and the County takes on the responsibility for the Towns' Chesapeake Bay TMDL requirements as well as other TMDL and MS4 requirements. This provides for an approach that is based on watersheds rather than on jurisdictional lines. Funding in the amount of \$0.8 million is included for the Stormwater Allocations to Towns project in FY 2018.

Stormwater Related Contributory Program

Contributory funds are provided to the Northern Virginia Soil and Water Conservation District (NVSWCD) and the Occoquan Watershed Monitoring Program (OWMP). The NVSWCD is an independent subdivision of the Commonwealth of Virginia that provides leadership in the conservation and protection of Fairfax County's soil and water resources. It is governed by a five-member Board of Directors, three of whom are elected every four years by the voters of Fairfax County and two who are appointed by the Virginia Soil and Water Conservation Board. Accordingly, the work of NVSWCD supports many of the environmental efforts set forth in the Board of Supervisors' Environmental Excellence 20-year Vision Plan. The goal of the NVSWCD is to continue to improve the quality of the environment and general welfare of the citizens of Fairfax County by providing them with a means of dealing with soil, water conservation and related natural resource problems. It provides County agencies with comprehensive environmental evaluations for proposed land use changes with particular attention to the properties of soils, erosion potential, drainage and the impact on the surrounding environment. NVSWCD has consistently been able to create partnerships and leverage state, federal and private resources to benefit natural resources protection in Fairfax County. FY 2018 funding of \$0.5 million is included in Fund 40100 for the County contribution to the NVSWCD.

The OWMP and the Occoquan Watershed Monitoring Laboratory (OWML) were established to ensure that water quality is monitored and protected in the Occoquan Watershed. Given the many diverse uses of the land and water resources in the Occoquan Watershed (agriculture, urban residential development, commercial and industrial activity, water supply, and wastewater disposal), the OWMP plays a critical role as the unbiased interpreter of basin water quality information. FY 2018 funding of \$0.1 million is included in Fund 40100 for the County contribution to the OWMP.

Fund 40100 Stormwater Services

Budget and Staff Resources

Category	FY 2016 Actual	FY 2017 Adopted	FY 2017 Revised	FY 2018 Advertised	FY 2018 Adopted
FUNDING					
Expenditures:					
Personnel Services	\$17,684,235	\$19,497,335	\$19,879,626	\$20,338,650	\$20,338,650
Operating Expenses	2,352,526	2,479,095	2,672,135	2,479,095	2,479,095
Capital Equipment	813,402	782,900	1,473,821	581,500	581,500
Capital Projects	28,343,475	42,511,612	112,002,976	48,577,294	48,577,294
Subtotal	\$49,193,638	\$65,270,942	\$136,028,558	\$71,976,539	\$71,976,539
Less:					
Recovered Costs	(\$3,168,632)	(\$2,320,942)	(\$2,703,233)	(\$2,703,233)	(\$2,703,233)
Total Expenditures	\$46,025,006	\$62,950,000	\$133,325,325	\$69,273,306	\$69,273,306
AUTHORIZED POSITIONS/FULL-TIME EQUIVALENT (FTE)					
Regular	182 / 182	183 / 183	179 / 179	188 / 188	181 / 181

Fund 40100

Stormwater Services

<p><u>Maintenance and Stormwater Management (MSMD)</u></p> <p><u>Administration</u></p> <p>1 Director, Maintenance and SW Management Analyst IV</p> <p>1 HR Generalist II</p> <p>1 Network/Telecom. Analyst I</p> <p>1 Information Technology Tech. III</p> <p>1 Safety Analyst</p> <p>1 Administrative Assistant V</p> <p>1 Administrative Assistant IV</p> <p>2 Administrative Assistants III</p> <p>2 Administrative Assistants II</p> <p>1 Financial Specialist II</p> <p><u>Contracting Services/ Material Support</u></p> <p>1 Material Mgmt. Specialist III</p> <p>1 Management Analyst II</p> <p>2 Contract Analysts I</p> <p>1 Inventory Manager</p> <p><u>Dam Safety and Maintenance Projects/Projects and LID/Inspection and Maintenance</u></p> <p>1 Public Works-Env. Serv. Manager</p> <p>2 Engineers IV</p> <p>1 Senior Engineer III</p> <p>1 Engineer III</p> <p>1 Ecologist III</p> <p>1 Ecologist II</p> <p>4 Engineering Technicians III (1)</p> <p>1 Engineering Technician II</p> <p>1 Engineering Technician I</p> <p>1 Project Manager II</p> <p>3 Project Managers I</p>	<p><u>Field Operations</u></p> <p>2 Env. Services Supervisors</p> <p>1 Public Works-Env. Serv. Manager</p> <p>1 Senior Environmental Specialist</p> <p>2 Environmental Services Specialists</p> <p>3 Senior Maintenance Supervisors</p> <p>9 Maintenance Supervisors</p> <p>4 Maintenance Crew Chiefs</p> <p>14 Senior Maintenance Workers</p> <p>2 Maintenance Workers</p> <p>9 Heavy Equipment Operators</p> <p>10 Motor Equipment Operators</p> <p>3 Masons</p> <p>1 Vehicle Maintenance Coordinator</p> <p>1 Engineering Technician III</p> <p>1 Carpenter I</p> <p>1 Equipment Repairer</p> <p>1 Welder II</p> <p>1 Administrative Assistant II</p> <p><u>Stormwater Infrastructure Branch</u></p> <p>1 Public Works-Env. Serv. Manager</p> <p>1 Engineer IV</p> <p>2 Engineers III</p> <p>1 Project Manager II</p> <p>2 Project Managers I</p> <p>1 Engineering Technician III</p> <p>2 Engineering Technicians II</p> <p>1 Engineering Technician I</p> <p>1 Senior Engineering Inspector</p> <p><u>Transportation Infrastructure Branch</u></p> <p>1 Engineer V</p> <p>1 Engineer IV</p> <p>1 Project Manager I</p> <p>4 Engineering Technicians III</p> <p>2 Engineering Technicians II</p>	<p><u>Stormwater Planning Division</u></p> <p>1 Director, Stormwater Planning</p> <p>1 Engineer V</p> <p>4 Engineers IV</p> <p>2 Senior Engineers III</p> <p>8 Engineers III</p> <p>1 Public Works-Env. Serv. Manager</p> <p>3 Project Managers II</p> <p>1 Project Manager I</p> <p>3 Project Coordinators</p> <p>2 Ecologists IV</p> <p>5 Ecologists III</p> <p>4 Ecologists II</p> <p>1 Emergency Mgmt. Specialist III</p> <p>2 Landscape Architects III</p> <p>2 Engineering Technicians III</p> <p>1 Administrative Assistant III</p> <p>1 Administrative Assistant II (1)</p> <p>1 Management Analyst II</p> <p>2 Code Specialists II</p> <p>1 Contract Specialist II</p> <p>1 Financial Specialist II</p> <p>1 Financial Specialist I</p> <p><u>Urban Forestry</u></p> <p>1 Director, Urban Forestry Division</p> <p>1 Urban Forester IV</p> <p>1 Urban Forester III</p> <p>8 Urban Foresters II</p>
<p><u>TOTAL POSITIONS</u> 181 Positions (2) / 181.0 FTE (2.0)</p>		

() Denotes New Positions

FY 2018 Funding Adjustments

The following funding adjustments from the FY 2017 Adopted Budget Plan are necessary to support the FY 2018 program. Included are all adjustments recommended by the County Executive that were approved by the Board of Supervisors, as well as any additional Board of Supervisors' actions, as approved in the adoption of the budget on May 2, 2017.

- ◆ **Employee Compensation** **\$279,199**
 An increase of \$279,199 in Personnel Services includes an amount of \$265,752 for performance-based and longevity increases for non-uniformed merit employees effective July 2017, as well as an amount of \$13,447 for employee pay increases for specific job classes identified in the County's benchmark class survey of comparator jurisdictions.

Fund 40100 Stormwater Services

- ◆ **Other Post-Employment Benefits** **\$11,634**

An increase of \$11,634 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 Fund, in Volume 2 of the FY 2018 Adopted Budget Plan.

- ◆ **New Positions** **\$168,191**

An increase of \$168,191 in Personnel Services is necessary to fund salary and Fringe Benefits requirements associated with 1/1.0 FTE Administrative Assistant II position and 1/1.0 FTE Engineering Technician III position. The Administrative Assistant II position will support the Stormwater Planning Division's administrative workload associated with capital projects and contracts, the MS4 Permit, the Stormwater Ordinance, public outreach functions, and emergency response events. Full-time support is required to handle incoming calls, database entry, project and contracting documentation, and general administrative support to the Stormwater Planning staff. In addition, the Engineering Technician III position will support the Maintenance and Stormwater Management Division. This position will assist with the inspection program of private stormwater facilities. There has been a 65 percent increase in the facility inventory in Fairfax County since FY 2012 and a continued increase is expected due to the Virginia Stormwater regulations. Coordination with the private owners and inspection of these facilities are required by the MS4 Permit and the Stormwater Ordinance. The new private maintenance agreements also require private facility owners to perform and submit annual inspection reports. The increased workload due to inventory and the new requirements for private owners require the establishment of an additional position that will support this program.

- ◆ **Operational Requirements and Recovered Costs** **\$0**

An increase of \$382,291 in Personnel Services is required based on the transfer of 3.0 FTE positions to Fund 40100 as part of the *FY 2016 Carryover Review*, including one Public Works Environmental Services Manager that was transferred from Fund 40140, Refuse Collection and Recycling Operations, and two Urban Foresters II that were transferred from Agency 31, Land Development Services. Based on an increase in workload, these positions will support walkway reinvestments and emergency maintenance and will perform infill grading plan review for tree and urban forestry measures. The costs associated with these positions will be reimbursed by Fund 40140 and Agency 31. This increase is offset by a Recovered Costs increase of \$382,291. There is no net funding impact for Fund 40100.

- ◆ **Capital Equipment** **\$581,500**

Capital Equipment funding of \$581,500 is included for requirements associated with replacement equipment that has outlived its useful life and new equipment critical to carryout stormwater services activities. Replacement equipment in the amount of \$556,500 includes: \$220,000 to replace backhoe loaders that are essential for excavating work sites, loading trucks with bulk materials and moving heavy objects; \$240,000 to replace two dump trucks that are critical to transport large loads of snow chemicals, bulk construction materials and equipment; \$70,000 to replace a mower that is required for safe steep slope mowing as part of the dam maintenance program at state regulated dams; \$1,500 to replace a flat bottom boat that is used to access state regulated dams, ponds, and flooded work locations; \$20,000 to replace a utility vehicle that is essential to snow removal and emergency response projects; and \$5,000 to replace a sweeper attachment that is used to keep dust and debris to a minimum within neighborhood worksites and remove hazardous material spill contaminants from roads, parking lots and walkways. In addition, funding in the amount of \$25,000 is required for the purchase of new equipment including a mid-size passenger vehicle that will

Fund 40100 Stormwater Services

support Urban Forestry Division field work. The Urban Forestry Division includes 11 merit positions and three limited term positions, many of which use a vehicle every day for site inspections. The remaining staff uses a vehicle at least three days a week for plan review, site visits, and other activities outside of the office. Adding one new vehicle will help avoid daily shortages of vehicles and will help decrease the response time for plan reviews and site visits.

- ◆ **Capital Projects** **\$48,577,294**
Funding in the amount of \$48,577,294 has been included in FY 2018 for priority stormwater capital projects.

Changes to FY 2017 Adopted Budget Plan

The following funding adjustments reflect all approved changes in the FY 2017 Revised Budget Plan since passage of the FY 2017 Adopted Budget Plan. Included are all adjustments made as part of the FY 2016 Carryover Review, FY 2017 Third Quarter Review, and all other approved changes through April 30, 2017.

- ◆ **Carryover Adjustments** **\$70,763,289**
As part of the FY 2016 Carryover Review, the Board of Supervisors approved funding of \$70,763,289 based on the carryover of unexpended project balances in the amount of \$61,558,568 and a net adjustment of \$9,204,721. This adjustment included the carryover of \$883,961 in operating and capital equipment encumbrances, and an increase to capital projects of \$8,320,760. The adjustment to capital projects was based on the appropriation of the remaining operational savings of \$2,050,922 offset by lower than anticipated revenues of \$240,675 received in FY 2016; the appropriation of \$29,096 in miscellaneous revenues received in FY 2016; the appropriation of \$5,123,171 in grant revenue expected to be received from the Virginia Department of Environmental Quality (VDEQ) to support 10 stream and water quality projects as approved by the Board of Supervisors on July 26, 2016; the appropriation of \$98,516 in revenues collected through the land development process that would support tree preservation and planting projects in FY 2017; and the appropriation of \$1,365,000 in bond premium received in FY 2016 associated with the January 2016 bond sale. The increase was offset by a decrease of \$105,270 due to the completion of two grant projects. In addition, 3/3.0 FTE positions were transferred to Fund 40100, including one Public Works Environmental Services Manager that was transferred from Fund 40140, Refuse Collection and Recycling Operations, and two Urban Foresters II that were transferred from Agency 31, Land Development Services. Based on an increase in workload, these positions will support walkway reinvestments and emergency maintenance and will perform infill grading plan review for tree and urban forestry measures. The costs associated with these positions will be reimbursed by Fund 40140 and Agency 31. Both Personnel Services and Recovered Costs were increased by \$382,291. There is no funding impact for Fund 40100.

- ◆ **Position Adjustments** **\$0**
In order to better support the Department of Public Works and Environmental Services' (DPWES) four core business areas and enhance department-wide initiatives, 19/19.0 FTE positions were transferred to Agency 25, Business Planning and Support, from other divisions within DPWES: 4/4.0 FTE positions were transferred from Fund 69010, Sewer Operations and Maintenance; 2/2.0 FTE positions were transferred from Agency 26, Capital Facilities; 7/7.0 FTE positions were transferred from Fund 40100, Stormwater Services; 5/5.0 FTE positions were transferred from Fund 40150, Refuse Disposal; and 1/1.0 FTE position was transferred from Fund 40170, I-95 Refuse Disposal. These positions will continue to be funded by the DPWES program area that they are supporting through

Fund 40100 Stormwater Services

Work Performed for Others. Funding adjustments with no net impact on the General Fund will be made during the *FY 2017 Carryover Review*.

Key Performance Measures

Indicator	Prior Year Actuals			Current Estimate	Future Estimate
	FY 2014 Actual	FY 2015 Actual	FY 2016 Estimate/Actual	FY 2017	FY 2018
Stormwater Services					
MS4 Permit violations received	0	0	0/0	0	0
Percent of Emergency Action Plans current	100%	100%	100%/100%	100%	100%
Percent of commuter facilities available 365 days per year	100%	100%	100%/100%	100%	100%

A complete list of performance measures can be viewed at www.fairfaxcounty.gov/dmb/fy2018/adopted/pm/40100.pdf

Performance Measurement Results

The objective to receive no MS4 Permit violations related to inspection and maintenance of public and private stormwater management facilities was met in FY 2014, FY 2015, and FY 2016. It is expected that this objective will also be met in FY 2017 and FY 2018. It should be noted that the current MS4 Permit was issued in April 2015. The objective to update 100 percent of the emergency action plans that Stormwater is responsible for was met in prior years. It is estimated that this trend will continue in both FY 2017 and FY 2018. Lastly, the objective to keep 100 percent of the commuter facilities operational for 365 days was met in prior years. It is expected that this goal will be met in FY 2017 and FY 2018.

Fund 40100 Stormwater Services

FUND STATEMENT

Fund 40100, Stormwater Services

	FY 2016 Actual	FY 2017 Adopted Budget Plan	FY 2017 Revised Budget Plan	FY 2018 Advertised Budget Plan	FY 2018 Adopted Budget Plan
Beginning Balance	\$25,612,635	\$0	\$41,563,638	\$0	\$0
Revenue:					
Stormwater Service District Levy	\$56,259,325	\$64,075,000	\$64,075,000	\$70,398,306	\$70,398,306
Sale of Bonds ¹	4,635,000	0	23,590,000	0	0
Bond Premium ¹	1,365,000	0	0	0	0
Virginia Department of Environmental Quality DEQ Grant ²	38,265	0	0	0	0
Federal Emergency Management Agency FEMA Grant ³	774,323	0	0	0	0
Stormwater Local Asssitance Fund (SLAF) Grant ⁴	0	0	5,123,171	0	0
Tree Preservation/Planting Fund ⁵	0	0	98,516	0	0
Miscellaneous	29,096	0	0	0	0
Total Revenue	\$63,101,009	\$64,075,000	\$92,886,687	\$70,398,306	\$70,398,306
Total Available	\$88,713,644	\$64,075,000	\$134,450,325	\$70,398,306	\$70,398,306
Expenditures:					
Personnel Services	\$17,684,235	\$19,497,335	\$19,879,626	\$20,338,650	\$20,338,650
Operating Expenses	2,352,526	2,479,095	2,672,135	2,479,095	2,479,095
Recovered Costs	(3,168,632)	(2,320,942)	(2,703,233)	(2,703,233)	(2,703,233)
Capital Equipment	813,402	782,900	1,473,821	581,500	581,500
Capital Projects ⁶	28,343,475	42,511,612	112,002,976	48,577,294	48,577,294
Total Expenditures	\$46,025,006	\$62,950,000	\$133,325,325	\$69,273,306	\$69,273,306
Transfers Out:					
General Fund (10001) ⁷	\$1,125,000	\$1,125,000	\$1,125,000	\$1,125,000	\$1,125,000
Total Transfers Out	\$1,125,000	\$1,125,000	\$1,125,000	\$1,125,000	\$1,125,000
Total Disbursements	\$47,150,006	\$64,075,000	\$134,450,325	\$70,398,306	\$70,398,306
Ending Balance⁸	\$41,563,638	\$0	\$0	\$0	\$0
Tax Rate Per \$100 of Assessed Value	\$0.0250	\$0.0275	\$0.0275	\$0.0300	\$0.0300

Fund 40100

Stormwater Services

¹ On November 6, 2012, the voters approved a bond referendum in the amount of \$30 million to make storm drainage improvements to prevent flooding and soil erosion, including acquiring any necessary land. This bond money is used to prevent flooding in the Huntington community. An amount of \$4.635 million was sold in January 2016. In addition, \$1.365 million has been applied to this fund in bond premium associated with the January 2016 sale. A total amount of \$23.59 million remains in authorized but unissued bonds for this fund.

² On October 1, 2014, the Board of Supervisors approved a joint project between the Virginia Department of Environmental Quality (VDEQ) and Fairfax County. The estimated total cost of the project was \$4,006,376. The project is complete and no more revenue is anticipated.

³ On March 3, 2015, the Board of Supervisors approved a grant award in the amount of \$851,173 associated with an agreement between the Virginia Department of Emergency Management (VDEM) and Fairfax County to accept federal funds from the Federal Emergency Management Agency (FEMA) to assist the County with acquiring property at Dearborn Drive from its current owners, demolishing the existing structure, and restoring the property to natural conditions. The project is complete and no more revenue is anticipated.

⁴ On July 26, 2016, the Board of Supervisors approved a joint project between the Virginia Department of Environmental Quality (VDEQ) and Fairfax County to accept funds from the Stormwater Local Assistance Fund (SLAF) to support ten stream and water quality improvement projects. The estimated total cost of the project is \$5,123,171 and it will be supported by VDEQ.

⁵ Reflects revenues collected through the land development process that will support tree preservation and planting projects in FY 2017.

⁶ In order to account for expenditures in the proper fiscal year, an audit adjustment in the amount of \$387,963.72 has been reflected as an increase to FY 2016 Capital Projects. This impacts the amount carried forward and results in a decrease of \$387,963.72 to the *FY 2017 Revised Budget Plan*. The project affected by this adjustment is SD-000031, Stream & Water Quality Improvements. The audit adjustment was included in the FY 2016 Comprehensive Annual Financial Report (CAFR). Details of the audit adjustment were included in the FY 2017 Third Quarter package.

⁷ Funding in the amount of \$1,125,000 is transferred to the General Fund to partially offset central support services supported by the General Fund which benefit Fund 40100. These indirect costs include support services such as Human Resources, Purchasing, Budget and other administrative services.

⁸ Capital projects are budgeted based on the total project costs. Most projects span multiple years, from design to construction completion. Therefore, funding for capital projects is carried forward each fiscal year, and ending balances fluctuate, reflecting the carryover of these funds.

Fund 40100 Stormwater Services

FY 2018 Summary of Capital Projects

Fund 40100, Stormwater Services

Project	Total Project Estimate	FY 2016 Actual Expenditures	FY 2017 Revised Budget	FY 2018 Advertised Budget Plan	FY 2018 Adopted Budget Plan
Conveyance System Inspection/Development (2G25-028-000)	\$6,225,000	\$764,847.81	\$3,064,139.54	\$2,000,000	\$2,000,000
Conveyance System Rehabilitation (SD-000034)	33,534,135	2,877,639.53	6,744,410.51	5,000,000	5,000,000
Dam Safety and Facility Rehabilitation (SD-000033)	41,226,104	3,705,693.04	14,680,412.78	7,500,000	7,500,000
Emergency and Flood Response Projects (SD-000032)	8,186,091	214,252.32	2,481,966.29	1,000,000	1,000,000
Flood Prevention-Huntington Area-2012 (SD-000037)	38,590,000	1,518,225.91	30,591,903.61	3,000,000	3,000,000
Laurel Hill Adaptive Reuse Infrastructure (SD-000038)	1,750,000	371,783.64	1,378,216.36	0	0
NVSWCD Contributory (2G25-007-000)	3,755,614	485,064.00	485,064.00	527,730	527,730
Occoquan Monitoring Contributory (2G25-008-000)	922,087	115,611.00	120,236.00	123,445	123,445
Stormwater Allocation to Towns (2G25-027-000)	3,344,829	526,400.00	800,000.00	800,000	800,000
Stormwater Regulatory Program (2G25-006-000)	50,346,651	6,537,402.21	12,027,375.77	6,500,000	6,500,000
Stream & Water Quality Improvements (SD-000031)	106,342,285	10,107,712.67	39,530,734.79	22,126,119	22,126,119
Towns Grant Contribution (2G25-029-000)	1,118,843	1,118,843.00	0.00	0	0
Tree Preservation and Plantings (2G25-030-000)	98,516	0.00	98,516.13	0	0
Total	\$295,440,155	\$28,343,475.13	\$112,002,975.78	\$48,577,294	\$48,577,294