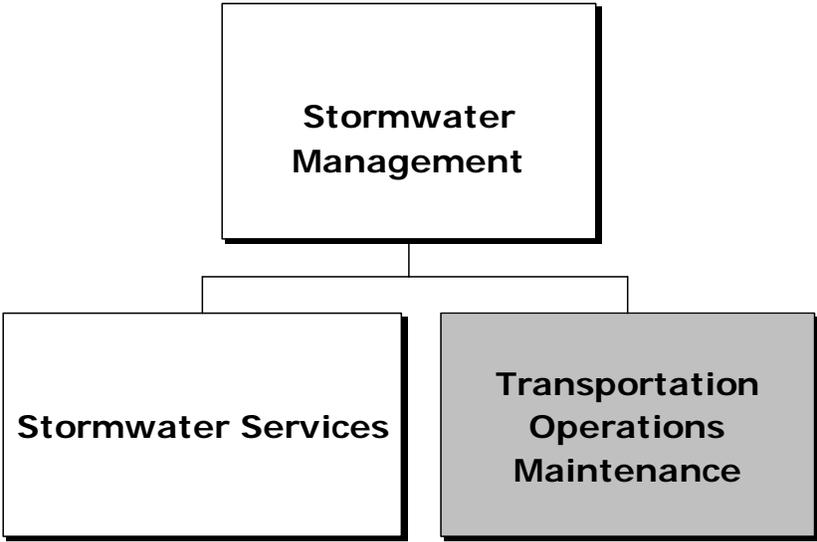


# Fund 40100 Stormwater Services



 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 replacement 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 2017, the stormwater service rate will increase from \$0.0250 to \$0.0275 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 ¼ 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. 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 1,800 stormwater management facilities that are valued at \$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 60,000 structures and 1,400 miles of pipes and paved channels, and it is valued at more than \$1 billion. The FY 2017 rate of \$0.0275 per \$100 of assessed real estate value is consistent with the 5-year plan.

Stormwater staff annually evaluates funding required to meet the increasing federal and state regulatory requirements pertaining to the Municipal Separate Storm Sewer System (MS4) Permit requirements, and State and Federal mandates associated with controlling water pollution delivered to local streams and the Chesapeake Bay.

The FY 2017 levy of \$0.0275 will generate \$64,075,000, supporting \$20,438,388 for staff and operational costs; \$42,511,612 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 also includes 23/23.0 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, 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 Municipal Separate Storm Sewer System (MS4) Permit. 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 piped outfalls within the stormwater system that are governed by the permit. The current permit was issued in 2002 and expired in 2007, and the County had been operating under a state issued administrative extension, while the state and the Environmental Protection Agency (EPA) agreed to new permit requirements. A new 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 2017.

# Fund 40100

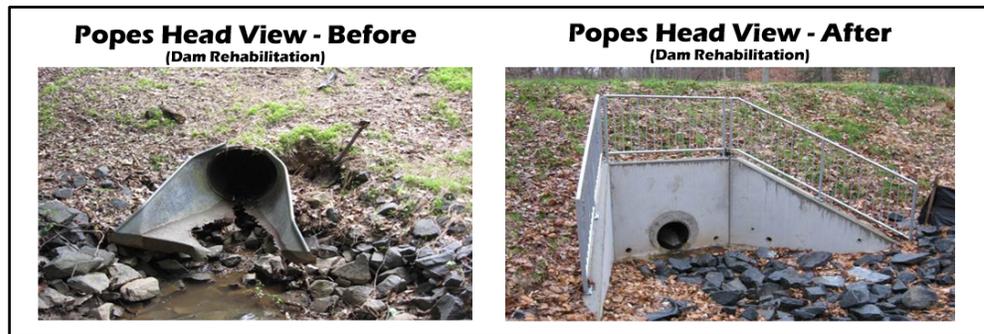
## Stormwater Services

### Dam Safety and Facility Rehabilitation

There are currently more than 6,000 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 developments and redevelopment sites are required to install stormwater management controls. In addition, the County is required to provide a facility retrofit program to improve stormwater management controls on existing stormwater management facilities that were developed and constructed prior to current standards being in place.

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 retrofit projects annually that require redesign and construction management activities as well as contract management and maintenance responsibilities. Funding in the amount of \$7.0 million is included for Dam Safety and Facility Rehabilitation in FY 2017.



### Conveyance System Rehabilitation

The County owns and operates approximately 1,400 miles of underground stormwater pipes and paved 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 60,000 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 10-year cycle and rehabilitate pipes and paved channels before total failure occurs. Funding in the amount of \$6.5 million is included for Conveyance System Rehabilitation in FY 2017.



# Fund 40100

## Stormwater Services

### Stream and Water Quality Improvements

This program funds water quality 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. The Bay TMDL pollutant reduction requirement is additive to the current design and construction efforts associated with 1,700 Watershed Plan projects and ongoing stream and flood mitigation projects. Funding in the amount of \$20.1 million is included for Stream and Water Quality Improvements in FY 2017.

### 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 2017.

### 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 \$800,000 is included for the Stormwater Allocations to Towns project in FY 2017.

# Fund 40100

## Stormwater Services

### 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 2017 funding of \$485,064 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 2017 funding of \$120,236 is included in Fund 40100 for the County contribution to the OWMP.

## Budget and Staff Resources

Category	FY 2015 Actual	FY 2016 Adopted	FY 2016 Revised	FY 2017 Advertised
<b>FUNDING</b>				
Expenditures:				
Personnel Services	\$16,784,715	\$18,839,458	\$18,839,458	\$19,497,335
Operating Expenses	2,564,326	2,443,495	2,541,037	2,479,095
Capital Equipment	218,427	701,130	1,377,336	782,900
Capital Projects	31,616,251	35,711,859	89,941,628	42,511,612
<b>Subtotal</b>	<b>\$51,183,719</b>	<b>\$57,695,942</b>	<b>\$112,699,459</b>	<b>\$65,270,942</b>
Less:				
Recovered Costs	(\$2,274,341)	(\$2,320,942)	(\$2,320,942)	(\$2,320,942)
<b>Total Expenditures</b>	<b>\$48,909,378</b>	<b>\$55,375,000</b>	<b>\$110,378,517</b>	<b>\$62,950,000</b>
<b>AUTHORIZED POSITIONS/FULL-TIME EQUIVALENT (FTE)</b>				
Regular	180 / 180	181 / 181	182 / 182	183 / 183

# Fund 40100 Stormwater Services

<u>Maintenance and Stormwater Management (MSMD)</u>	<u>Field Operations</u>	<u>Stormwater Planning Division</u>
<u>Administration</u>		
1 Director, Maintenance and SW	4 Env. Services Supervisors	1 Director, Stormwater Planning
1 Management Analyst IV	1 Public Works-Env. Serv. Manager	2 Engineers V
1 HR Generalist II	3 Senior Maintenance Supervisors	4 Engineers IV
1 Programmer Analyst III	8 Maintenance Supervisors	2 Senior Engineers III
1 Network/Telecom. Analyst I	5 Maintenance Crew Chiefs	8 Engineers III
1 Information Technology Tech. III	12 Senior Maintenance Workers	3 Project Managers II
1 Business Analyst II	6 Maintenance Workers	1 Project Manager I
1 Safety Analyst	9 Heavy Equipment Operators	3 Project Coordinators
1 Administrative Assistant V	10 Motor Equipment Operators	2 Ecologists IV
1 Administrative Assistant IV	2 Masons	4 Ecologists III
2 Administrative Assistants III	1 Vehicle Maintenance Coordinator	5 Ecologists II
2 Administrative Assistants II	1 Engineering Technician III	1 Emergency Mgmt. Specialist III
1 Financial Specialist II	1 Carpenter I	2 Landscape Architects III
	1 Equipment Repairer	2 Engineering Technicians III
	1 Welder II	1 Administrative Assistant III
	1 Administrative Assistant II (1)	1 Management Analyst II
		1 Communication Specialist II
<u>Contracting Services/</u>		2 Code Specialists II
<u>Material Support</u>	<u>Infrastructure Branch</u>	1 Contract Specialist II
1 Material Mgmt. Specialist III	1 Engineer V	1 GIS Analyst II
1 Management Analyst II	2 Engineers IV	1 Financial Specialist II
2 Contract Analysts I	2 Engineers III	1 Financial Specialist I
1 Inventory Manager	1 Project Manager II	
	2 Project Managers I	<u>Urban Forestry</u>
	5 Engineering Technicians III	1 Director, Urban Forestry Division
<u>Dam Safety and Maintenance</u>	4 Engineering Technicians II	2 Urban Foresters III
<u>Projects/Projects and</u>	1 Engineering Technician I	6 Urban Foresters II
<u>LID/Inspection and Maintenance</u>	1 Senior Engineering Inspector	
1 Public Works-Env. Serv. Manager	1 GIS Analyst III	
1 Engineer IV	1 GIS Analyst I	
2 Engineers III	1 GIS Technician	
1 Ecologist III		
1 Ecologist II		
3 Engineering Technicians III		
1 Engineering Technician II		
1 Engineering Technician I		
2 Project Managers II		
4 Project Managers I		
<b>TOTAL POSITIONS</b>		
183 Positions (1) / 183.0 FTE (1.0)		( ) Denotes New Position

## FY 2017 Funding Adjustments

The following funding adjustments from the FY 2016 Adopted Budget Plan are necessary to support the FY 2017 program.

- ◆ **Employee Compensation** **\$505,481**  
An increase of \$505,481 in Personnel Services includes \$221,007 for a 1.33 percent market rate adjustment (MRA) for all employees and \$253,577 for performance-based and longevity increases for non-uniformed merit employees, both effective July 2016, as well as \$30,897 for employee pay increases for specific job classes identified in the County's benchmark class survey of comparator jurisdictions.

## Fund 40100 Stormwater Services

---

- ◆ **New Position** **\$65,818**  
An increase of \$65,818 in Personnel Services is necessary to fund salary and fringe benefits requirements associated with 1/1.0 FTE Administrative Assistant II position. This Administrative Assistant II position will support the Maintenance Operations group's work order system and safety program. The work order system generates approximately 4,700 work orders per year. The number of workman's compensation claims has increased, which has resulted in fewer field visits and fewer safety employee trainings performed by the safety analyst of this fund. The Administrative Assistant II position will assist with this workload.
- ◆ **Other Post-Employment Benefits** **(\$239,916)**  
A decrease of \$239,916 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 2017 Advertised Budget Plan.
- ◆ **Operational Requirements** **\$362,094**  
An increase of \$362,094 includes \$326,494 in Personnel Services and \$35,600 in Operating Expenses. The increase in Personnel Services is required based on projected Personnel Services, Fringe Benefits, and an increase in limited term positions that will support MS4 requirements, the Maintenance Intern program, and the Arial and Ground spraying services performed by the Urban Forestry division. The increase of \$35,600 in Operating Expenses will support materials, supplies, PC replacement costs, and public safety radio equipment.
- ◆ **Capital Equipment** **\$782,900**  
Capital Equipment funding of \$782,900 is included for requirements associated with replacement equipment that has outlived its useful life and is critical to carryout stormwater services activities. The replacement equipment includes: \$170,000 to replace two backhoe loaders that are essential to all maintenance programs in support of excavating work sites; \$400,000 to replace a Flusher/Vactor 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 operational support for flood mitigation associated with cleaning storm drain catch basins and unclogging stormwater lines; \$95,000 to replace a compact excavator that supports the accessing and excavating of confined work locations and moving material at the work sites with minimal ground disturbance; \$100,000 to replace a truck loader that is critical for loading trucks and bulk material and moving heavy objects; and \$17,900 to replace two stereomicroscopes that provide benthic macroinvertebrate monitoring and evaluation, which are required by the MS4 permit.
- ◆ **Capital Projects** **\$42,511,612**  
Funding in the amount of \$42,511,612 has been included in FY 2017 for priority stormwater capital projects.

# Fund 40100 Stormwater Services

## Changes to FY 2016 Adopted Budget Plan

The following funding adjustments reflect all approved changes in the FY 2016 Revised Budget Plan since passage of the FY 2016 Adopted Budget Plan. Included are all adjustments made as part of the FY 2015 Carryover Review, and all other approved changes through December 31, 2015.

◆ **Carryover Adjustments** **\$55,003,517**

As part of the FY 2015 Carryover Review, the Board of Supervisors approved funding of \$55,003,517 based on the carryover of unexpended project balances in the amount of \$52,336,418 and a net adjustment of \$2,667,099. This adjustment includes the carryover of \$773,748 in operating and capital equipment encumbrances, and an increase to capital projects of \$1,893,351. The adjustment to capital projects is based on the appropriation of the remaining operational savings of \$961,544 offset by lower than anticipated revenues of \$241,258 received in FY 2015; the appropriation of \$1,076 in miscellaneous revenues received in FY 2015; the appropriation of \$138,374 in grant revenue received from the Natural Resources Conservation Services in FY 2015; the appropriation of \$808,615 in grant revenue expected to be received from the Virginia Department of Emergency Management as approved by the Board of Supervisors on March 3, 2015; and the appropriation of \$225,000 in bond premium received in FY 2015 associated with the February 2015 bond sale.

◆ **Position Adjustment** **\$0**

In order to properly align staff with workload requirements, 1/1.0 FTE position was transferred from Fund 40140, Refuse Collection and Recycling Operations, to Fund 40100, Stormwater Services. Any funding adjustments will be made as part of the FY 2016 Third Quarter Review.

## Key Performance Measures

Indicator	Prior Year Actuals			Current Estimate	Future Estimate
	FY 2013 Actual	FY 2014 Actual	FY 2015 Estimate/Actual	FY 2016	FY 2017
<b>Stormwater Services</b>					
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/fy2017/advertised/pm/40100.pdf](http://www.fairfaxcounty.gov/dmb/fy2017/advertised/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 2013, FY 2014, and FY 2015. It is expected that this objective will also be met in FY 2016 and FY 2017. It should be noted that the most 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 2016 and FY 2017. 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 2016 and FY 2017.

# Fund 40100 Stormwater Services

## FUND STATEMENT

### Fund 40100, Stormwater Services

	FY 2015 Actual	FY 2016 Adopted Budget Plan	FY 2016 Revised Budget Plan	FY 2017 Advertised Budget Plan
<b>Beginning Balance</b>	\$22,235,357	\$0	\$25,860,659	\$0
Revenue:				
Stormwater Service District Levy	\$48,943,742	\$56,500,000	\$56,500,000	\$64,075,000
Sale of Bonds <sup>1</sup>	1,775,000	0	28,225,000	0
Bond Premium <sup>1</sup>	225,000	0	0	0
Natural Resources Conservation Service NRCS Grant <sup>2</sup>	695,917	0	0	0
Virginia Department of Environmental Quality DEQ Grant <sup>3</sup>	1,893,945	0	109,243	0
Federal Emergency Management Agency FEMA Grant <sup>4</sup>	0	0	808,615	0
Miscellaneous	1,076	0	0	0
<b>Total Revenue</b>	\$53,534,680	\$56,500,000	\$85,642,858	\$64,075,000
<b>Total Available</b>	\$75,770,037	\$56,500,000	\$111,503,517	\$64,075,000
Expenditures:				
Personnel Services	\$16,784,715	\$18,839,458	\$18,839,458	\$19,497,335
Operating Expenses	2,564,326	2,443,495	2,541,037	2,479,095
Recovered Costs	(2,274,341)	(2,320,942)	(2,320,942)	(2,320,942)
Capital Equipment	218,427	701,130	1,377,336	782,900
Capital Projects	31,616,251	35,711,859	89,941,628	42,511,612
<b>Total Expenditures</b>	\$48,909,378	\$55,375,000	\$110,378,517	\$62,950,000
Transfers Out:				
General Fund (10001) <sup>5</sup>	\$1,000,000	\$1,125,000	\$1,125,000	\$1,125,000
<b>Total Transfers Out</b>	\$1,000,000	\$1,125,000	\$1,125,000	\$1,125,000
<b>Total Disbursements</b>	\$49,909,378	\$56,500,000	\$111,503,517	\$64,075,000
<b>Ending Balance<sup>6</sup></b>	\$25,860,659	\$0	\$0	\$0
<b>Tax Rate Per \$100 of Assessed Value</b>	\$0.0225	\$0.0250	\$0.0250	\$0.0275

# Fund 40100

## Stormwater Services

---

<sup>1</sup> 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 \$1.775 million was sold in February 2015. In addition, \$225,000 has been applied to this fund in bond premium associated with the February 2015 sale. A total amount of \$28.225 million remains in authorized but unissued bonds for this fund.

<sup>2</sup> On June 4, 2013, the Board of Supervisors approved a joint project between the Natural Resources Conservation Services (NRCS), the Northern Virginia Soil and Water Conservation District (NVSWCD), and Fairfax County. The estimated total cost of the project was \$2,809,020. The County share of \$983,157 was paid from existing funds. To date, an amount of \$1,964,237 has been received based on final project costs. This project is complete.

<sup>3</sup> On October 1, 2014, the Board of Supervisors approved a joint project between the Virginia Department of Environmental Quality (DEQ) and Fairfax County. The estimated total cost of the project is \$4,006,376. The DEQ will pay 50 percent of the cost (\$2,003,188) and Fairfax County will fund 50 percent of the final costs (\$2,003,188). Funding for the County share is available in existing appropriations in project SD-000031, Stream and Water Quality Improvements. In FY 2015, an amount of \$1,893,945 was received. An amount of \$109,243 is anticipated in FY 2016 and beyond.

<sup>4</sup> 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. FEMA will provide \$638,380, VDEM will provide \$170,235, and Fairfax County will provide \$42,558. Funding for the County share is available in existing appropriations in project SD-000031, Stream and Water Quality Improvements.

<sup>5</sup> 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.

<sup>6</sup> 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 2017 Summary of Capital Projects

### Fund 40100, Stormwater Services

<b>Project</b>	<b>Total Project Estimate</b>	<b>FY 2015 Actual Expenditures</b>	<b>FY 2016 Revised Budget</b>	<b>FY 2017 Advertised Budget Plan</b>
Conveyance System Inspection/Development (2G25-028-000)	\$2,425,000	\$396,012.65	\$2,028,987.35	\$0
Conveyance System Rehabilitation (SD-000034)	34,090,695	3,370,412.04	8,678,610.04	6,500,000
Dam Safety and Facility Rehabilitation (SD-000033)	32,326,104	6,158,304.60	10,039,903.82	7,000,000
Emergency and Flood Response Projects (SD-000032)	7,186,091	279,761.39	1,696,218.61	1,000,000
Flood Prevention-Huntington Area-2012 (SD-000037)	30,225,000	2,477,555.34	26,745,129.52	0
Laurel Hill Adaptive Reuse Infrastructure (SD-000038)	1,100,000	0.00	1,100,000.00	0
NVSWCD Contributory (2G25-007-000)	3,227,884	485,064.00	485,064.00	485,064
Occoquan Monitoring Contributory (2G25-008-000)	798,642	112,559.00	115,611.00	120,236
Stormwater Allocation to Towns (2G25-027-000)	2,544,829	459,768.05	526,400.00	800,000
Stormwater Regulatory Program (2G25-006-000)	41,046,651	7,665,404.28	9,264,777.98	6,500,000
Stream & Water Quality Improvements (SD-000031)	82,735,730	10,211,410.12	28,245,925.51	20,106,312
Towns Grant Contribution (2G25-029-000)	1,015,000	0.00	1,015,000.00	0
<b>Total</b>	<b>\$238,721,626</b>	<b>\$31,616,251.47</b>	<b>\$89,941,627.83</b>	<b>\$42,511,612</b>