



THE AUDITOR OF PUBLIC ACCOUNTS LOCALITY STORMWATER UTILITY REPORTING FORM

The purpose of this form is to implement the following locality stormwater utility reporting requirement established by Paragraph D.1. of Item 2 of the Fiscal Year 2017-2018 State Budget ([Chapter 836](#) of the 2017 Acts of Assembly): *Each locality establishing a utility or enacting a system of service charges to support a local stormwater management program pursuant to §[15.2-2114](#), Code of Virginia, shall provide to the Auditor of Public Accounts by October 1 of each year, in a format specified by the Auditor, a report as to each program funded by these fees and the expected nutrient and sediment reductions for each of these programs. For any specific stormwater outfall generating more than \$200,000 in annual fees, such report shall include identification of specific actions to remediate nutrient and sediment reduction from the specific outfall.*

Each locality subject to the reporting requirement set forth above shall complete and submit this report form each year to the Auditor of Public Accounts by October 1, in an electronic format emailed to LocalGovernment@apa.virginia.gov. **The report as of Fiscal Year 2018 (or applicable reporting period) is due by October 1, 2018.**

SECTION 1 – LOCALITY INFORMATION

Locality Name: City of Chesapeake

Contact Name/Title: Environmental Program Manager

Contact Address: 306 Cedar Road, Chesapeake, VA 23322

Contact Email: bbrumba@cityofchesapeake.net

Contact Phone: (757) 382-6919

Report Completion Date: September 28, 2018

SECTION 2 - STORMWATER UTILITY FEES

For your stormwater utility fees provide the following information from your most recent audited annual financial report.

Financial Statement Fund Name: Stormwater Management Enterprise Fund
Fiscal year: 2017

Revenues	Expenditures	Ending Fund Balance or Net Position
\$17,179,004	\$12,844,056	\$78,358,564

Please provide any additional detail/clarification below about the financial information provided at Section 2, if needed.

The revenues, expenditures, and net position shown in Section 2 are the last audited figures from FY17 and are detailed at the following link:

<http://www.cityofchesapeake.net/Assets/documents/departments/finance/cafr/CAFR+2017.pdf>

The FY18 expenditures referenced in the following sections are unaudited.

Revenues include those from all sources including: investment income; gain on sale of equipment; and capital contributions.

SECTION 3 – FUNDED PROGRAMS AND OTHER MAJOR ACTIVITIES

Provide a brief description of each major program funded by the utility fee system and, where applicable, the expected nutrient and sediment reductions for each of these programs.

A. Operations & Maintenance Program

There are currently approximately 104 funded full time positions funded by the Stormwater Utility, with various vacancies at any given time. Inmate crews and Sheriff's Deputies are also funded. For the fiscal year 2018 the following programs were funded:

Storm Sewer System Maintenance and Operations: Responsible for maintenance of the City's municipal storm sewer system (MS4) including ditches, pipes, catch basins, and stormwater management facilities in order to maintain drainage, improve water quality, and prevent flooding. For the FY18 the following maintenance activities were completed in-house (including preventive and reactive): 129 structures (namely catch basins) were cleaned/serviced; 32 miles of blocked ditch were cleaned and cleared and 12 miles regraded; 200.37 miles of roadside ditch were cleaned, cleared, and regraded; and 179 miles of lead ditch was maintained. 14 miles of pipe were also cleaned. These activities resulted in 13,284 tons of sediment and debris removed. Additionally 705 cave-in repairs were made between the Stormwater and Drainage Divisions and 21 post-construction stormwater management facilities (Best Management Practices) were maintained removing including maintenance on inlet and outlet structures and trash/debris removal. 23,179 linear feet of stormwater pipe were also Closed Circuit Television (CCTV) inspected for condition assessment. While the staff for the Drainage Division is paid out of Stormwater Utility funds, some VDOT funding is also received for maintenance of roadside ditches.

Contractual Services: \$1.15 million was allocated for contract work on the storm sewer system which included: 58 cave-ins repaired; 11 pipe joints repaired; 12 structure replacements; 1023 linear feet of pipe replaced; 27 internal structures repaired; 2802 linear feet of pipe lined; 30 pipe joints pressure grouted; and 80 linear feet of ditch regraded and stabilized.

Street Sweeping Program: Streets with curb and gutter are swept. For FY18 14,167 lane miles were swept with 2039 tons of debris removed.

Environmental Quality Services Program (EQS): This program has responsibility for the MS4 Permit compliance and conducting Erosion and Sediment Control (ESC) and Stormwater Management Program inspections in compliance with the Virginia Stormwater Management Program. Staff conduct stormwater management facility inspections; investigate customer service requests and complaints; conduct dry weather screening; conduct drainage final inspections for acceptance of facilities to the City's MS4; inspect high priority City facilities for housekeeping measures; conduct inspections of land disturbing activities; conduct public education and outreach; and manage TMDL compliance efforts. Program highlights include: 6042 Routine ESC Inspections conducted; 112 SWPPP Inspections conducted; 690 Final Inspections conducted; and 70 Pre-Construction Inspections conducted. Additionally, 26 Notices to Comply, 2 Civil Summons, and 6 Stop Work Orders were issued. 128 incidences of illicit discharges, illegal dumping, and spills were investigated; 50 dry weather screening sites inspected; and 606 post-construction stormwater management facilities inspected. The City's MS4 VPDES Permit was reissued effective July 1, 2016. During FY18 several contractual tasks were funded or partially funded in support of permit requirements including: MS4 Outfall Mapping; TMDL Action

Planning (both Chesapeake Bay and Southern Watersheds); preparation of SWPPPs for high priority municipal facilities; Bacteria Monitoring Program; Street Sweeping Monitoring Program; City BMP Retrofit Opportunity Study; a regional water quality monitoring program; and a Homeowner Engagement Program contract for stormwater environmental conservation services.

Additionally, the City participated in three Regional Committees organized by the Hampton Roads Planning District Commission. These include the Regional Environmental Committee (and associated Stormwater Working Group), Regional Resiliency Committee, and the AskHRGreen Stormwater Education Committee at a cost of \$74,942. The EQS budget also covers the cost of spill cleanups within the MS4 where no responsible party has been identified. This cost varies from year to year, but was approximately \$20,000 for FY18. Cost recovery is conducted where it is possible.

Planning and Scheduling: This division is responsible for estimating, planning, and scheduling in-house stormwater work orders and projects, assessing drainage and outfall conditions, completing in-house design work for stormwater projects, oversight of the lead ditch ranking and preventive maintenance program, and oversight of "snag and drag" projects.

Engineering: Responsible for environmental engineering and watershed planning, selection and oversight of stormwater-related capital projects, and Design/Construction Services which has inspection and oversight responsibilities for City projects. Information on the status of active and completed projects can be found here: <http://www.cityofchesapeake.net/government/City-Departments/Departments/Public-Works-Department/Active-Public-Works-Projects/active-stormwater-drainage-projects.htm>

Major Equipment Purchases: Equipment purchases for FY18 totaled \$3,030,324. These included: 6 tandem dump trucks; 3 excavators; 2 street sweepers; 2 towable rollers; 1 bucket truck; 1 bobcat; 10 pickup trucks and other vehicles; and other miscellaneous equipment.

Emergency Response: Stormwater staff are called upon to respond to flooding and other stormwater-related incidents before, during, and after storm events. This requires training, planning, equipment and supplies, and significant preparation.

While volume of sediment and debris removed from the storm sewer system is being tracked, it has not been possible to accurately estimate and quantify nutrient reductions achieved through maintenance, operations, and inspection activities.

Post Construction Stormwater Management Plan Review and Approval: Development plan review and approval, including post construction stormwater management facilities to address water quality and quantity, is conducted by the Development and Permits Department, and is not funded through the Stormwater Utility, but through General Funds and user fees. Once the post construction systems (stormwater management facilities and conveyance systems) are constructed and accepted into the City's MS4, the public facilities are turned over to Public Works for maintenance, operations, inspections, and rehabilitation, which are funded with Stormwater Utility funds.

B. Capital Improvement Program

Please see the attached Stormwater Capital Improvement Project List and Budget. The budget is developed for a 5 year cycle. For additional detail on the Capital Improvement Program, please refer to the following links:

<http://www.cityofchesapeake.net/government/city-departments/departments/Budget-Department/FY-2019-2023-Approved-Capital-Improvement-Program--CIP-.htm>

<http://www.cityofchesapeake.net/Assets/documents/departments/budget/2017-2018/CIP/Allocation+of+Ches+Res+2023+Approved.pdf>

<http://www.cityofchesapeake.net/Assets/documents/departments/budget/2017-2018/CIP/Stormwater+2023+Approved.pdf>

**CAPITAL IMPROVEMENT PLAN FOR THE FIVE YEAR PERIOD ENDING JUNE 30, 2022
ALLOCATION OF RESOURCES**

Project Name	Project #	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	5 Year Total	Previous Funding	Future Requirements	Project Total
Cash - Other City Funds										
Ballhack Rd. Boat Ramp Area Improvement Project	43-200	-	-	-	-	-	-	70,758	-	70,758
Fentress Encroachment Protection	10-190	-	-	-	-	-	-	666,133	-	666,133
Cash - Other City Funds Total		-	-	-	-	-	-	736,891	-	736,891
Cash - South Norfolk TIF										
22nd Street Bridge Replacement	21-120	-	-	-	-	-	-	8,365,547	-	8,365,547
22nd Street Commercial Site Preparation (SoNo TIF)	45-200	-	-	-	-	-	-	50,000	-	50,000
South Norfolk - Strategic Acquisition of Real Property	04-170	1,000,000	-	-	-	-	1,000,000	6,500,000	-	7,500,000
Cash - South Norfolk TIF Total		1,000,000	-	-	-	-	1,000,000	14,915,547	-	15,915,547
Cash - Stormwater										
BMP Restoration Citywide	73-120	200,000	400,000	300,000	300,000	300,000	1,500,000	1,700,000	-	3,200,000
Citywide Outfall Re-Grading and Restoration	03-160	100,000	150,000	150,000	100,000	200,000	700,000	1,020,000	-	1,720,000
Citywide System Rehab	43-170	500,000	500,000	500,000	300,000	-	1,800,000	1,900,000	-	3,700,000
Citywide Undesignated Drainage - Phase III	07-150	270,000	200,000	300,000	200,000	400,000	1,370,000	556,347	-	1,926,347
Historical Data Cleanup Grant (DEQ)	05-141	-	-	-	-	-	-	18,500	-	18,500
Liberty St. Drainage System Replacement & Upgrade	34-210	-	-	-	1,500,000	-	1,500,000	-	-	1,500,000
Loxley Gardens Drainage Improvements - Phase II	23-220	-	-	-	-	1,100,000	1,100,000	-	-	1,100,000
Major Equipment Purchases - PW Stormwater Division	07-180	700,000	700,000	700,000	700,000	700,000	3,500,000	3,974,000	-	7,474,000
Meads Court BMP (DEQ Grant)	05-142	-	-	-	-	-	-	684,228	-	684,228
Neighborhood Drainage Improvements - Phase II	08-150	400,000	650,000	650,000	500,000	500,000	2,700,000	2,324,600	-	5,024,600

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Project Name	Project #	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	5 Year Total	Previous Funding	Future Requirements	Project Total
New Mill Regional BMP (DEQ Grant)	05-143	-	-	-	-	-	-	1,022,975	-	1,022,975
Oakdale Area BMP and Drainage Improvements	09-150	1,500,000	2,000,000	1,000,000	-	-	4,500,000	500,000	-	5,000,000
Shilleagh Rd. Drainage Outfall Improvements	77-120	-	-	-	-	-	-	3,100,000	-	3,100,000
Stormwater Mapping and Master Drainage Plan Phase III	10-150	50,000	100,000	100,000	100,000	200,000	550,000	500,000	-	1,050,000
Stormwater Quality Program - Phase II	11-150	1,500,000	1,500,000	2,000,000	2,000,000	2,000,000	9,000,000	2,340,565	-	11,340,565
Weich Ln. Drainage Improvements	19-200	480,000	-	-	-	-	480,000	-	-	480,000
Whittimore Rd. Outfall Improvements	20-200	-	-	-	-	-	-	300,000	-	300,000
Cash - Stormwater Total		5,700,000	6,200,000	5,700,000	5,700,000	5,400,000	28,700,000	19,941,215	-	48,641,215
Cash - Utilities										
Automated Meter Reading Equipment and Software	53-120	-	-	-	4,000,000	4,000,000	8,000,000	1,399,624	-	9,399,624
Cavalier Elevated and Ground Storage Tanks Rehabilitation	19-220	-	-	-	-	1,595,000	1,595,000	-	-	1,595,000
Centerville Turnpike Loop 3	43-120	-	-	-	-	-	-	-	-	-
Deep Creek Pump Station Upgrade	20-140	-	-	-	-	-	-	192,627	1,878,123	2,070,750
Gravity Sewer Renewal: Bainbridge Blvd. Basin (HRSD Project Area)	16-170	-	-	-	-	-	-	-	5,000,000	5,000,000
Lake Gaston WTP - Membrane Replacement - Phase II	21-130	-	-	2,200,000	-	-	2,200,000	1,725,904	-	3,925,904
Lake Gaston WTP - Miscellaneous Modifications	37-200	500,000	500,000	500,000	-	500,000	2,000,000	2,370,000	-	4,370,000
Military Hwy. - 36" Water Main	38-120	-	-	-	-	-	-	1,577,623	-	1,577,623
Norfolk Highlands Elevated Tank Rehabilitation	28-200	-	-	-	-	-	-	-	925,000	925,000
Northwest River WTP - Membrane Replacement - Phase III	01-090	-	-	1,625,000	-	-	1,625,000	400,000	-	2,025,000
Northwest River WTP - Miscellaneous Modifications	19-130	1,000,000	500,000	500,000	-	500,000	2,500,000	2,177,445	-	4,677,445