



Committee: T&E

Committee Review: At a future date

Staff: Keith Levchenko, Senior Legislative Analyst

Purpose: To introduce agenda item – no vote expected

Keywords: #NPDESPermit and Stormwater Management

AGENDA ITEM #7B

February 23, 2021

Introduction

SUBJECT

Introduction: Financial Assurance Plan to Meet the Requirements of the National Pollution Discharge Elimination System (NPDES) Municipal Separate Storm Sewer System (MS4) Permit

DESCRIPTION/ISSUE

- On February 11, 2021 the County Executive transmitted his recommended FY20 Financial Assurance Plan (FAP) to meet the Requirements of the National Pollution Discharge Elimination System (NPDES) Municipal Separate Storm Sewer System (MS4) Permit.
- A public hearing is scheduled for March 9, 2021 at 1:30 pm.
- Each NPDES Phase I MS4 jurisdiction must submit a FAP to the Maryland Department of the Environment (MDE) every two years. The County submitted its FY18 FAP in February 2019.
- The FAP includes:
 - Actions required to meet MS4 permit requirements,
 - Annual and projected 5-year costs to meet the impervious surface restoration plan(ISRP) requirement, more commonly known as the 20% restoration requirement in the County's current (2010 – 2015) permit,
 - Annual and projected 5-year revenues or other funds that will be used toward meeting the 20% restoration requirement in the 2010 – 2015 permit,
 - Any and all sources of funds used toward meeting MS4 permit requirements; and
 - All specific actions and expenditures undertaken in the previous fiscal years to meet the 20% restoration requirement.
- The Montgomery County Department of Environmental Protection completed the FY20 FAP based on the Approved FY21 Operating Budget and the Approved and Amended FY21-26 Capital Improvements Program.

This report contains:

CE Transmittal Letter

©1-3

Draft Resolution

©4-6

Financial Assurance Plan FY20

©7-21

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OFFICE OF THE COUNTY EXECUTIVE

Marc Elrich
County Executive

MEMORANDUM

February 11, 2021

TO: Tom Hucker, President
Montgomery County Council

FROM: Marc Elrich, County Executive 

SUBJECT: Fiscal Year 2020 National Pollutant Discharge Elimination System Municipal
Separate Storm Sewer System Permit Financial Assurance Plan

The purpose of this memorandum is to transmit Montgomery County's Fiscal Year 2020 (FY20) Financial Assurance Plan (FAP) for County Council approval. This FAP demonstrates that the County had sufficient funding to complete the impervious surface restoration plan (ISRP), as required in the 2010 Maryland Phase I National Pollutant Discharge Elimination System (NPDES) Municipal Separate Storm Sewer System (MS4) Permit. In addition, this FAP demonstrates that the County has dedicated revenues, funds, or sources of funds to continue to meet requirements associated with improving water quality in the County.

In May 2015, revisions to Section 4-202.1 (*Watershed Protection and Restoration Programs*) of the Environment Article, Annotated Code of Maryland, were signed into law. Previously, the law required each Phase I NPDES MS4 jurisdiction to establish a stormwater remediation fee. These revisions removed that requirement (although jurisdictions still have the option of establishing a stormwater remediation fee). However, jurisdictions are still responsible for generating the necessary funds to ensure that all MS4 permit requirements are satisfied.

The 2015 revisions to Section 4-202.1 of the Environment Article require all Phase I MS4 Permit jurisdictions to submit a FAP demonstrating that the jurisdictions will have adequate funding to meet their permit requirements for impervious surface restoration. Each of those jurisdictions was required to submit its initial FAP to the Maryland Department of the Environment (MDE) by July 1, 2016, and a subsequent FAP every two years thereafter on the anniversary date of their MS4 permit. Each FAP must detail the following:

- All actions required to meet MS4 Permit requirements;
- Annual and projected five-year costs necessary to meet the ISRP requirement, more commonly known as the 20% restoration requirement in current permits;
- Annual and projected five-year revenues that will be used toward meeting the 20% restoration requirement;
- Any and all sources of funds used toward meeting MS4 Permit requirements; and
- All specific actions and expenditures undertaken in the previous fiscal years to meet the 20% restoration requirement.

The County's current permit was issued on February 16, 2010, with a requirement to restore 20% of the uncontrolled impervious surfaces in the County's MS4 service area. That requirement was met on December 28, 2018 and certified by MDE on November 25, 2019. Since completing the ISRP in the 2010 MS4 permit, the County has continued to implement restoration programs and projects that will be credited towards the County's next permit, anticipated to be issued in Summer 2021.

The FAP format is an excel workbook developed by MDE to capture of the information needed to meet the requirements of the law. The information provided to MDE in the workbooks covers the costs of implementing the ISRP in the current permit, as well as expenditures and revenues for the work that has continued, and the work that is projected in FY21 through FY25. The expenditures cover the ongoing operational responsibilities of the current permit such as street sweeping and inlet cleaning as well as the debt service payments for the two water quality protection bonds and state revolving loan issued to fund implementation of the ISRP. The Montgomery County Department of Environmental Protection completed the FAP using the approved FY21 Operating budget and the approved amended FY21-FY26 CIP budget. These budgets requested the full amount to complete the ISRP in the current permit, as well as the ongoing operational responsibilities and continued restoration work.

Environment Article Section 4-202.1(j)(3) requires a jurisdiction's local governing body to hold a public hearing and approve the FAP before it can be submitted to MDE. Attached please find the Resolution xx-xxxx to introduce the FAP to Council.

Once the Council approves the FAP, the County Executive or Chief Financial Officer must sign the attached FAP Certification page verifying that Council approved the FAP following a public hearing, and that the FAP is true, accurate and complete.

If you have any questions concerning this statutory mandate or require additional information, please contact Patty Bubar, Deputy Director of the Department of Environmental Protection, at 240-777-7786.

Marc Elrich, County Executive
February 11, 2021
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Attachments:

Montgomery County's NPDES MS4 Permit Fiscal Year 2020 Financial Assurance Plan
Resolution XX Approval of Montgomery County's Fiscal Year 2020 Financial Assurance Plan
Financial Assurance Plan Certification

cc: Richard Madaleno, Chief Administrative Officer
Michael Coveyou, Director, Department of Finance
Jennifer Bryant, Office of Management and Budget
Marc Hansen, Office of the County Attorney
Dale Tibbitts, Office of the County Executive
Debbie Spielberg, Office of the County Executive

Resolution No.: _____

Introduced: _____

Adopted: _____

**COUNTY COUNCIL
FOR MONTGOMERY COUNTY, MARYLAND**

By: Council President at the Request of the County Executive

SUBJECT: Financial Assurance Plan to Meet the Requirements of the National Pollution Discharge Elimination System (NPDES) Municipal Separate Storm Sewer System (MS4) Permit

Background

1. The Financial Assurance Plan (FAP) is required by amendments to Section 4-202.1 (*Watershed protection and restoration program*) of the Environment Article, Annotated Code of Maryland, which were added in 2015 to ensure that each National Pollutant Discharge Elimination System (NPDES) Phase I Municipal Separate Storm Sewer System (MS4) jurisdiction will have adequate funding to meet its Phase I MS4 permit requirement for impervious surface restoration.
2. Each NPDES Phase I MS4 jurisdiction must submit a FAP to the Maryland Department of the Environment (MDE) by July 1, 2016, and every two years thereafter on the anniversary date of its MS4 permit, that details the following:
 - a. Actions required to meet MS4 permit requirements;
 - b. Annual and projected 5-year costs to meet the impervious surface restoration plan (ISRP) requirement, more commonly known as the 20% restoration requirement in the County's current permit;
 - c. Annual and projected 5-year revenues or other funds that will be used toward meeting the 20% restoration requirement;
 - d. Any and all sources of funds used toward meeting MS4 permit requirements; and
 - e. All specific actions and expenditures undertaken in the previous fiscal years to meet the 20% restoration requirement.
3. The County is required to submit the information for the FAP using a template provided by MDE.
4. The Montgomery County Department of Environmental Protection completed the FY20 FAP using the approved FY21 operating budget and the approved and amended FY21-26 CIP budget.

5. MDE will determine whether the FAP demonstrates sufficient funding within 90 days after County filing.
6. The first FAP was filed on June 30, 2016, as required by law, and showed sufficient funding to meet the projected costs of compliance with the impervious surface restoration requirements under the County's 2010 MS4 permit.
7. Subsequent FAPs are filed biennially on February 15th, the issuance anniversary of the County's 2010 MS4 Permit.
8. This FAP demonstrates sufficient funding and the completion of 100% of the Impervious Surface Restoration Plan (ISRP) requirements under the County's 2010 MS4 permit, as well as funding in anticipation of a new MS4 permit restoration requirements.
9. This FAP demonstrates that the County has dedicated revenues, funds, or sources of funds to continue to meet requirements associated with improving water quality in the County.

Action

The County Council for Montgomery County, Maryland approves the FY20 Financial Assurance Plan, which shows the County has met the ISRP requirements under the 2010 MS4 Permit.

This is a correct copy of Council action.

Selena Singleton, Clerk of the Council

Attachment 1

CERTIFICATION

WHEREAS, the provisions of § 4-202.1 of the Environment Article of the Annotated Code of Maryland require Montgomery County to file a financial assurance plan to the Maryland Department of the Environment that demonstrates that it has sufficient funding to meet the impervious surface restoration plan requirements of the (County's/City's) National Pollutant Discharge Elimination System Phase I Municipal Separate Storm Sewer System Permit; and

WHEREAS, the provisions of this law require that “a county or municipality may not file a financial assurance plan under this subsection until the local governing body of the county or municipality: (i) Holds a public hearing on the financial assurance plan; and (ii) Approves the financial assurance plan.”

NOW, THEREFORE, I certify that:

1. A public hearing was held on the financial assurance plan on February xx, 2021;
2. The local governing body approves the aforementioned financial assurance plan; and
3. Under penalty of law, the information in this financial assurance plan is, to the best of my knowledge and belief, true, accurate, and complete.

Signature of County Executive

Date

Printed Name of County Executive

**Montgomery County's Fiscal Year 2020
Financial Assurance Plan
February 15, 2021**

Executive Summary

The submission of Montgomery County's third Financial Assurance Plan (FAP) to the Maryland Department of the Environment (MDE) fulfills requirements specified in Section 4-202.1 of the Environment Article, Maryland Code. This plan is being filed with MDE in order to document all actions implemented by Montgomery County to comply with its National Pollutant Discharge Elimination System (NPDES) Municipal Separate Storm Sewer System (MS4) Permit (06-DP-3320 MD0068349, effective February 16, 2010), document annual and projected 5 year costs to meet the impervious surface restoration (ISR) requirement in the 2010 MS4 Permit and demonstrate the County's ability to pay for these activities through the Water Quality Protection Charge (WQPC). The FAP addresses the activities completed for FY10 through FY20, and the planned and programmed activities from FY21 through FY25. The costs for completing the ISR requirement in the 2010 permit are included as well as the costs for continuing the operational programs associated with the 2010 permit and costs projected for the next MS4 permit, anticipated to be issued in summer 2021.

Montgomery County's 2010 MS4 permit covers stormwater discharges from the MS4 in the County and requires the implementation of restoration in a watershed, or combination of watersheds, to restore 20% of the impervious surface area that is not restored to the maximum extent practicable (MEP). The County's baseline, which has previously been approved by MDE, identifies 18,889 impervious acres with either no or only partial stormwater treatment, requiring the equivalent of 3,778 impervious acres to be restored to meet the 20% criterion.

The completion and submission of the FAP is required every two years. According to the requirements for completing the attached FAP, the actual expenditures are reported for all restoration activities that are credited toward the ISR goal in the 2010 MS4 permit, as well as on-going restoration activities that will be credited toward the County's next MS4 permit. These activities include a variety of projects with a variety of funding sources as described below.

- Capital Improvements Program (CIP) projects funded by the WQPC, Other Departmental Funds and the General Fund
- CIP projects funded by General Obligation Bonds, Water Quality Protection Revenue Bonds
- CIP projects partially funded by State and Federal Grants
- CIP projects funded by MD Water Quality Revolving Loans
- Operational programs including street sweeping, inlet cleaning and septic pumping

Other restoration activities include voluntary best management practice (BMP) implementation, tree planting, septic system connections to sanitary sewer, septic system upgrades to denitrification systems, and redevelopment projects treating existing uncontrolled impervious areas. Funding for voluntary BMP implementation includes WQPC funds made available through the County's Watershed Management Grants and RainScapes programs and earned WQPC credits. Funding for tree planting includes the County's Tree Canopy Conservation Fund, other departmental funds and state grants. Costs for septic system connections to the sanitary sewer system are managed through the Washington Sanitary Sewer Commission (WSSC); County funds are not used for this activity. Septic system upgrades to denitrification systems are funded through Bay Restoration Fund (BRF) grants. BMPs installed to treat existing untreated impervious areas as part of the development and redevelopment processes are paid for by the developer.

The County's MS4 permit was issued on February 16, 2010 with the requirement that the 20% impervious surface restoration (ISR) plan be completed by the end of the permit term (February 15, 2015). When the County's permit expired in 2015, only 1,774 acres had been restored. The County and MDE signed a consent decree in April 2018 requiring completion of the ISR plan by December 31, 2020, as well as a penalty of \$300,000 that could be put towards implementation of supplemental environmental projects (SEPs) completed no later than December 31, 2020. The County's expired permit remains in effect until a new permit is issued.

The County completed the required SEPs in October 2018 and completed the 20% ISR plan in December 2018. On October 1, 2019, the County submitted its final Revised Consent Decree Report showing that the County met the ISR goal in the 2010 MS4 permit ahead of schedule. MDE certified that the County had successfully met the ISR goal and subsequently approved the revised CD report on November 25, 2019. The Office of the County Attorney (OCA) then worked with the Assistant Attorney General to file a satisfaction of judgement with the court, and an order terminating the CD was signed on December 30, 2019, officially closing the enforcement action.

A major tenet of the FAP is to demonstrate the financial wherewithal for meeting MS4 permit ISR requirements. Because the County satisfied its consent decree and completed the 2010 permit's ISR requirements at the end of calendar year 2018, this FAP only includes specific project costs for projects completed through the first half of FY19 (provided in Table 1 All Actions and Table 5 Specific Actions.)

Since meeting the ISR goal in the 2010 MS4 permit, the County has continued to implement restoration programs and projects that will be credited towards the County's next permit, anticipated to be issued in Summer 2021. This FAP is a combination of expenditures related to work that was done to meet the 2010 MS4 permit ISR goal, as well as expenditures and revenues for the work that has continued since meeting the goal, and the work that is projected in FY21 through FY25.

It is important to note that the FAP, by design, does not capture all of the expenditures associated with implementation of the County's MS4 program as a whole. The FAP is focused mainly on expenditures related to ISR. There are some projects that treat impervious areas at no cost to the

county and inclusion of these projects makes the cost of ISR appear artificially low. In addition, once built, CIP projects must be inspected and maintained to ensure that they continue to provide water quality treatment as designed. In this FAP, the County has included operations and CIP costs for maintenance of BMPs and storm drain infrastructure. These costs were not reflected in the County's prior FAPs.

The formulas used to compare costs in Tables 2 and 4 were modified to only include information through FY2019 when the ISRP goal was achieved. It is also important to note the following specific differences between Table 2 (projected annual and 5-year costs) and Tables 1 (actions required to meet the permit requirements) and 5 (specific actions and expenditures):

- Tables 1 and 5 include implementation of BMPs that were paid for using Operating funds and are therefore presented under Operational Programs rather than under Capital Projects. Table 1 does not include project costs after December 2018 because that is when the County met the ISR goal in its 2010 MS4 permit.
- Some of the line items for Operating programs like RainScapes in Table 2 reflect higher costs than their corresponding line items in Tables 1 and 5. This is because Tables 1 and 5 only provide the rebate amount for each project, whereas Table 2 captures personnel, equipment, and other administrative costs associated with the RainScapes program.
- The Capital Expenditures in Table 2 include planning, personnel and project management expenditures associated with projects that will be completed to satisfy future permit requirements. These costs are not easily separated from the CIP expenditures. Furthermore, the expenditures in Table 2 include work that the County has continued since meeting the ISR goal in December 2018. As a result, the Capital Expenditures in Table 2 exceed the total implementation cost of CIP projects in Tables 1 and 5.

MS4 Information	
Jurisdiction	Montgomery County
Contact Name	Amy Stevens
Phone	240-777-7766
Address	2425 Reddie Drive, 4th Floor
City	Wheaton
State	MD
Zip	20902
Email	Amy.Stevens@Montgomerycountymd.gov
Impervious Acre Baseline (Untreated Acres)	3,778
Permit Number	06-DP-3320 MD0068349
Reporting Year	2020

Check with MS4 Geodatabase:

Should match Permit Info table of Geodatabase.

VERSION 8/20/20

Article 4-202.1(j)(1)(i)1: Actions that will be required of the county or municipality to meet the requirements of its National Pollutant Discharge Elimination System Phase I Municipal Separate Storm Sewer System Permit.

Note: To identify all "actions" required under the MS4 permit, provide an executive summary of the jurisdiction's MS4 programs. See MDE's FAP Guidance. For proposed actions to meet the impervious surface restoration plan, fill in the table below.

Baseline: 3,778

REST BMP TYPE ¹	BMP CLASS	IMP ACRES	IMPL COST	% ISRP COMPLETE	IMPL STATUS ²	PROJECTED IMPL YR ³
Operational Programs⁴						
CBC	A	0	\$2,856,455	0.0%	Complete	
VSS	A	0	\$1,550,559	0.0%	Complete	
SEPP	A	0	\$0	0.0%	Complete	
SEPD	A	36	\$0	1.0%	Complete	
SEPC	A	154	\$0	4.1%	Complete	
MRNG	E	36	\$1,235,735	1.0%	Complete	
MRWH	E	17	\$86,990	0.5%	Complete	
FPU	A	87	\$1,909,353	2.3%	Complete	
IMPP	A	1	\$32,621	0.0%	Complete	
APRP	E	4	\$226,838	0.1%	Complete	
MIDW	E	2	\$49,249	0.0%	Complete	
MSWB	E	0	\$25,007	0.0%	Complete	
ESD	E	23	\$0	0.6%	Complete	
AGRE	E	1	\$9,900	0.0%	Complete	
Average Operations Next Two Years (FY2021-FY2022) ⁵		n/a	n/a	n/a		
Average Operations Next Five Years (FY2021-FY2025) ⁵		n/a	n/a	n/a		
Average Operations All Years ⁵		361	\$7,982,708	10%		
Capital Projects						
OTH	[blank]	0	\$7,937,569	0.0%	Complete	
STRE	A	896	\$13,469,657	23.7%	Complete	
PWED	S	664	\$16,515,299	17.6%	Complete	
XDED	S	482	\$24,007,787	12.8%	Complete	
IMPP	A	0	\$0	0.0%	Complete	
OUTS	A	3	\$0	0.1%	Complete	
STRE	A	10	\$0	0.3%	Complete	
GABION	A	2	\$0	0.0%	Complete	
MSWG	E	36	\$2,849,483	0.9%	Complete	
MMBR	E	29	\$9,723,702	0.8%	Complete	
FBIO	E	30	\$5,769,781	0.8%	Complete	
MRNG	E	25	\$5,467,512	0.7%	Complete	
FPU	A	3	\$0	0.1%	Complete	
WSHW	S	141	\$784,282	3.7%	Complete	
APRP	E	5	\$2,097,420	0.1%	Complete	
ITRN	S	1	\$187,983	0.0%	Complete	
WEDW	S	8	\$0	0.2%	Complete	
PWET	S	16	\$1,035,806	0.4%	Complete	
FSND	S	1	\$104,021	0.0%	Complete	
MSGW	E	2	\$0	0.0%	Complete	
FUND	S	1	\$372,667	0.0%	Complete	
IMPF	A	0	\$0	0.0%	Complete	
XOTH	X	130	\$445,035	3.5%	Complete	
Subtotal Capital Next Two Years (FY2021-FY2022)		n/a	n/a	n/a		
Subtotal Capital Next Five Years (FY2021-FY2025)		n/a	n/a	n/a		
Subtotal Capital All Years		2,484	\$90,768,003	66%		
Other						
REDE	[blank]	933	\$615,387	24.7%	Complete	
				0.0%		
Subtotal Other Next Two Years (FY2021-FY2022)		0	\$0	0.0%		
Subtotal Other Next Five Years (FY2021-FY2025)		0	\$0	0.0%		
Subtotal Other All Years		933	\$615,387	24.7%		
Total Next Two Years (FY2021-FY2022)		n/a	n/a	n/a		
Total Next Five Years (FY2021-FY2025)		n/a	n/a	n/a		
Total All Years (for ISRP goal)		3,779	\$99,366,098	100.0%		

Check with MS4 Geodatabase:

Type, class, impervious acres, implementation cost and implementation status should match the various geodatabase tables for BMPs (AltBMPLine, AltBMPPPoint, AltBMPPPoly, and RestBMP)- aggregated by type and status.

Notes:

1. Use BMP domains from the MS4 Geodatabase.
2. Complete, Under Construction, Planning, or Proposed.
3. Use Fiscal Year (FY)
4. For street sweeping indicate the annual frequency that the streets are swept, and for storm drain or catch basin cleaning report the pounds of material removed.
5. Average IMP ACRES for Operational BMPs should be the average of BMP 1 + the average of BMP 2, etc.
IMPL COST is a summation and not an average.

VERSION 8/20/20

Article 4-202.1(j)(1)(i)2: Projected annual and 5-year costs for the county or municipality to meet the impervious surface restoration plan requirements of its National Pollutant Discharge Elimination System Phase I Municipal Separate Storm Sewer System Permit.

DESCRIPTION	PAST UP THRU FY 2019 ^a	CURRENT YEAR FY 2020	PROJECTED YEAR 1 FY 2021	PROJECTED YEAR 2 FY 2022	PROJECTED YEAR 3 FY 2023	PROJECTED YEAR 4 FY 2024	PROJECTED YEAR 5 FY 2025	TOTAL COSTS
Operating Expenditures (costs)								
Street Sweeping Program	\$1,810,952	\$229,220	\$231,160	\$231,160	\$231,160	\$231,160	\$231,160	\$3,195,972
Inlet Cleaning	\$3,316,913	\$155,664	\$460,000	\$460,000	\$460,000	\$460,000	\$460,000	\$5,772,577
DEP Tree Montgomery	\$1,831,529	\$531,234	\$816,700	\$816,700	\$816,700	\$816,700	\$816,700	\$6,446,263
DEP Watershed Grants	\$821,723	\$345,442	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000	\$3,167,165
New BMPs treating existing (Drainage Area Delineation)/	\$818,828	\$118,829	\$207,000	\$207,000	\$207,000	\$207,000	\$207,000	\$1,972,657
SWM BMP Inspection and Maintenance	\$17,786,537	\$10,242,020	\$10,683,245	\$10,800,215	\$10,882,122	\$10,966,507	\$11,053,424	\$82,414,070
Debt Service Payment	\$30,278,476	\$6,100,007	\$8,166,992	\$8,607,600	\$9,045,400	\$9,114,950	\$9,121,650	\$80,435,075
RainScapes	\$4,464,825	\$1,172,832	\$1,022,060	\$1,043,532	\$1,065,719	\$1,088,576	\$1,112,119	\$10,969,663
Capital Expenditures (costs)								
G.O Bonds	\$1,645,000	\$0	\$0	\$0	\$0	\$0	\$0	\$1,645,000
General Fund (Paygo)	\$390,000	\$0	\$0	\$0	\$0	\$0	\$0	\$390,000
Fed Aid (Grants)	\$331,000	\$0	\$0	\$2,670,000	\$330,000	\$0	\$0	\$3,331,000
State Aid (Grants)	\$24,262,082	\$0	\$1,660,000	\$3,000,000	\$2,180,000	\$2,680,000	\$2,060,000	\$35,842,082
Water Quality Protection Charge (CIP) (Paygo)	\$23,540,922	\$3,585,412	\$6,150,000	\$4,300,000	\$3,230,000	\$2,590,000	\$3,640,000	\$47,036,334
Water Quality Protection Revenue Bonds	\$74,243,383	\$0	\$0	\$0	\$0	\$0	\$0	\$74,243,383
Stormwater Management Waiver Fee (Paygo)	\$2,321,000	\$0	\$200,000	\$180,000	\$180,000	\$180,000	\$180,000	\$3,241,000
Contributions (Paygo)	\$844,000	\$0	\$0	\$0	\$0	\$0	\$0	\$844,000
MD Water Quality Revolving Loan	\$4,391,707	\$5,575,012	\$13,110,000	\$16,380,000	\$10,950,000	\$10,140,000	\$10,250,000	\$70,796,719
Other (please stipulate capital expenditure)*	\$156,005	\$0	\$0	\$0	\$0	\$0	\$0	\$156,005
Subtotal Operation and Paygo:	\$88,225,705	\$22,480,660	\$28,337,157	\$27,046,207	\$26,518,101	\$26,054,893	\$27,222,053	\$245,884,775
Total Expenditures:	\$193,254,881	\$28,055,671	\$43,107,157	\$49,096,207	\$39,978,101	\$38,874,893	\$39,532,053	\$431,898,963

Total ISRP costs (Past up thru FY 2019) except debt service ^b: \$162,976,405
Compare ISRP costs (except debt service) / total ISRP actions thru 2019: 164%

^a Includes ISRP costs for projects and programs that will be credited in the next permit. Also maintenance costs for stormwater BMP inspection and maintenance.

^b Only ISRP costs thru FY 2019 are include because ISRP goal was achieved FY 2019.

Check with MS4 Geodatabase:

The total current FY2020 expenditure should be less than the combined total of the "OP_COST" and "CAP_COST" fields in the Fiscal Analyses table of the geodatabase.

The total projected FY2021 expenditure should be less than the combined total of the "OP_BUDGET" and "CAP_BUDGET" fields in the Fiscal Analyses table of the geodatabase.

*Insert additional rows as needed.

VERSION 8/20/20

Article 4-202.1(j)(1)(i)3: Projected annual and 5-year revenues or other funds that will be used to meet the cost for the county or municipality to meet the impervious surface restoration plan requirements under the National Pollutant Discharge Elimination System Phase I Municipal Separate Storm Sewer System Permit.

DESCRIPTION	PAST UP THRU FY 2019	CURRENT YEAR FY 2020	PROJECTED YEAR 1 FY 2021	PROJECTED YEAR 2 FY 2022	PROJECTED YEAR 3 FY 2023	PROJECTED YEAR 4 FY 2024	PROJECTED YEAR 5 FY 2025	TOTAL NEXT 2-YEARS FY 21-22 ¹	TOTAL
Annual Revenue ² Appropriated for ISRP	\$193,254,881	\$28,055,671	\$43,107,157	\$49,096,207	\$39,978,101	\$38,874,893	\$39,532,053	\$92,203,364	\$431,898,963
Annual Costs towards ISRP ³	\$193,254,881	\$28,055,671	\$43,107,157	\$49,096,207	\$39,978,101	\$38,874,893	\$39,532,053	\$92,203,364	\$431,898,963

Compare revenue appropriated / annual costs: 100%
WPRP 2020 Reporting Criteria: 100%

ISRP = Impervious Surface Restoration Program

Notes:

- Article 4-202.1(j)(2): Demonstration that county or municipality has sufficient funding in the current fiscal year and subsequent fiscal year budgets to meet its estimated cost for the 2-year period immediately following the filing date of the FAP.
- Revenue means "dedicated revenues, funds, or sources of funds (per Article 4-202.1(j)(4)(ii)).
- See table of ISRP Cost.

VERSION 8/20/20

**Article 4-202.1(j)(1)(i)4: Any sources of funds that will be utilized by the county or municipality to meet the requirements of its National Pollutant Discharge Elimination System Phase I
Municipal Separate Storm Sewer System Permit.**

SOURCE	PAST UP THRU FY 2019	CURRENT YEAR FY 2020	PROJECTED YEAR 1 FY 2021	PROJECTED YEAR 2 FY 2022	PROJECTED YEAR 3 FY 2023	PROJECTED YEAR 4 FY 2024	PROJECTED YEAR 5 FY 2025	TOTAL NEXT FIVE YEARS
Paygo Sources								
Water Quality Protection Charge	\$ 256,651,425	\$ 38,022,503	\$ 39,245,668	\$ 41,491,400	\$ 43,023,800	\$ 43,939,200	\$ 45,894,380	\$ 213,594,448
Investment Income	\$ 1,589,734	\$ 755,645	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 3,750,000
Miscellaneous	\$ 28,127	\$ 71,079	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
BMP Monitoring Fee	\$ 1,317,410	\$ 42,412	\$ 47,500	\$ 47,500	\$ 47,500	\$ 47,500	\$ 47,500	\$ 237,500
Bag Tax Revenue	\$ 18,373,766	\$ 2,618,409	\$ 2,500,000	\$ 2,500,000	\$ 2,500,000	\$ 2,500,000	\$ 2,500,000	\$ 12,500,000
Tree Canopy Fees	\$ 3,566,274	\$ 496,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 3,750,000
General Fund (DEP)	\$ 390,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Departmental Funds (DOT,DPS,DGS)	\$ 38,775,304	\$ 4,437,283	\$ 4,437,283	\$ 4,437,283	\$ 4,437,283	\$ 4,437,283	\$ 4,437,283	\$ 22,186,415
Stormwater Management Waiver Fees	\$ 2,321,000	\$ -	\$ 200,000	\$ 180,000	\$ 180,000	\$ 180,000	\$ 180,000	\$ 920,000
Solid Waste Fund	\$ 60,748,282	\$ 6,075,386	\$ 6,075,386	\$ 6,075,386	\$ 6,075,386	\$ 6,075,386	\$ 6,075,386	\$ 30,376,930
Subtotal Paygo Sources	\$ 383,761,322	\$ 52,518,717	\$ 54,005,837	\$ 56,231,569	\$ 57,763,969	\$ 58,679,369	\$ 60,634,549	\$ 287,315,293
Debt Service (paygo sources will be used to pay off debt service. Note that previous appropriations for debt service used for ISRP is listed in FY 2017).								
General Obligation Bonds	\$ 1,645,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Water Quality Protection Revenue Bonds	\$ 79,427,182	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
MD Water Quality Revolving Loan	\$ 5,986,821	\$ 7,954,769	\$ 15,422,000	\$ 19,252,000	\$ 13,822,000	\$ 13,012,000	\$ 13,122,000	\$ 74,630,000
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Subtotal Debt Service	\$ 87,059,003	\$ 7,954,769	\$ 15,422,000	\$ 19,252,000	\$ 13,822,000	\$ 13,012,000	\$ 13,122,000	\$ 74,630,000
Grants and Partnerships (no payment is expected)								
State funded grants	\$ 24,413,574	\$ -	\$ 1,660,000	\$ 3,000,000	\$ 2,180,000	\$ 2,060,000	\$ 2,670,000	\$ 11,570,000
Federal funded grants	\$ 331,000	\$ -	\$ -	\$ 2,670,000	\$ 330,000	\$ -	\$ -	\$ 3,000,000
Public-private partnership (matched grant)	\$ 844,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Subtotal Grants and Partnerships	\$ 25,588,574	\$ -	\$ 1,660,000	\$ 5,670,000	\$ 2,510,000	\$ 2,060,000	\$ 2,670,000	\$ 14,570,000
Total Annual Sources of Funds	\$ 496,408,899	\$ 60,473,486	\$ 71,087,837	\$ 81,153,569	\$ 74,095,969	\$ 73,751,369	\$ 76,426,549	\$ 376,515,293
Percent of Funds Directed Toward ISRP								

Compare permit term paygo ISRP costs thru FY 2019 / subtotal permit term paygo sources thru FY 2019: 23%

Compare permit term ISRP costs thru FY 2019 / total permit term annual sources of funds thru FY 2019: 39%

* WPR Fund: Watershed Protection and Restoration Fund

Check with MS4 Geodatabase:

The total sources related to WPR Funds in Current FY2020 should match the "WPR_FUND" field of the geodatabase.

VERSION 8/20/20

**Article 4-202.1(j)(1)(i)5: Specific actions and expenditures that the county or municipality implemented in the previous fiscal years to meet its impervious surface restoration plan requirements under its
National Pollutant Discharge Elimination System Phase I Municipal Separate Storm Sewer System Permit.**

Baseline:

3,778

Requirement:

20%

REST BMP ID	REST BMP TYPE ¹	BMP CLASS	NUM BMP	IMP ACRES	BUILT DATE	IMPL COST	% ISRP Complete	IMPL STATUS ²	GEN COMMENTS
Operational Programs³									
Catch Basin Cleaning	CBC	A	1	0.00	6/30/2018	\$2,856,455	0.0%	Complete	
Street Sweeping	VSS	A	1	0.00	6/30/2018	\$1,550,559	0.0%	Complete	
Septic Pumping	SEPP	A	2,000	0.00	6/30/2018	\$0	0.0%	Complete	
Septic Denitrification	SEPD	A	139	36.14	6/30/2018	\$0	1.0%	Complete	
WWTP Connections	SEPC	A	394	153.66	6/30/2018	\$0	4.1%	Complete	
Watershed Implementation Grants	MRNG	E	6	0.79	6/30/2017	\$190,371	0.0%	Complete	
Watershed Implementation Grants	MRNG	E	23	4.43	6/30/2018	\$274,178	0.1%	Complete	
Watershed Implementation Grants	MRWH	E	9	0.13	6/30/2017	\$38,352	0.0%	Complete	
Watershed Implementation Grants	FPU	A	432	1.44	6/30/2017	\$57,482	0.0%	Complete	
Watershed Implementation Grants	IMPP	A	1	0.03	6/30/2017	\$15,560	0.0%	Complete	
Watershed Implementation Grants	APRP	E	1	0.00	6/30/2018	\$47,500	0.0%	Complete	
Watershed Implementation Grants	MIDW	E	13	0.31	6/30/2018	\$36,015	0.0%	Complete	
Watershed Implementation Grants	MSWB	E	3	0.00	6/30/2018	\$25,007	0.0%	Complete	
Voluntary BMP Earned WQPC Credit	ESD	E	63	23.00	6/30/2016	\$0	0.6%	Complete	
Street Trees	FPU	A	422	1.41	6/30/2011	\$0	0.0%	Complete	
Street Trees	FPU	A	437	1.46	6/30/2012	\$0	0.0%	Complete	
Street Trees	FPU	A	863	2.88	6/30/2013	\$0	0.1%	Complete	
Street Trees	FPU	A	848	2.83	6/30/2014	\$0	0.1%	Complete	
Street Trees	FPU	A	1,029	3.43	6/30/2015	\$0	0.1%	Complete	
Street Trees	FPU	A	1,652	5.51	6/30/2016	\$0	0.1%	Complete	
Street Trees	FPU	A	1,761	5.87	6/30/2017	\$0	0.2%	Complete	
Street Trees	FPU	A	1,719	5.73	6/30/2018	\$0	0.2%	Complete	
RainScapes Program	FPU	A	426	1.42	6/30/2017	\$82,495	0.0%	Complete	
Tree Montgomery	FPU	A	47	0.16	6/30/2015	\$71,606	0.0%	Complete	
Tree Montgomery	FPU	A	456	1.52	6/30/2016	\$391,944	0.0%	Complete	
Tree Montgomery	FPU	A	746	2.49	6/30/2017	\$546,214	0.1%	Complete	
Tree Montgomery	FPU	A	814	2.71	6/30/2018	\$502,213	0.1%	Complete	
Oaks Landfill Urban Forest Planting	FPU	A	2	45.40	6/30/2018	\$257,400	1.2%	Complete	
Middle Gum Springs Reforestation	FPU	A	1	0.74	6/30/2010	\$0	0.0%	Complete	
Northwest Branch Stream Reforestation	FPU	A	1	0.84	6/30/2010	\$0	0.0%	Complete	
Alta Vista Stream Reforestation	FPU	A	1	0.03	6/30/2010	\$0	0.0%	Complete	
Little Falls III Stream Reforestation	FPU	A	1	0.06	6/30/2010	\$0	0.0%	Complete	
Turkey Branch Stormwater Pond and Stream Reforestation	FPU	A	1	0.60	6/30/2010	\$0	0.0%	Complete	
Stream Valley Drive Stream Reforestation	FPU	A	1	0.71	6/30/2010	\$0	0.0%	Complete	
RainScapes Program	MRWH	E	5	0.10	6/30/2010	\$1,139	0.0%	Complete	
RainScapes Program	MRNG	E	52	2.57	6/30/2010	\$48,855	0.1%	Complete	
RainScapes Program	MIDW	E	5	0.11	6/30/2010	\$900	0.0%	Complete	
RainScapes Program	APRP	E	1	0.05	6/30/2010	\$4,800	0.0%	Complete	
RainScapes Program	MRWH	E	190	4.71	6/30/2010	\$12,230	0.1%	Complete	
RainScapes Program	MRWH	E	4	0.28	6/30/2011	\$1,743	0.0%	Complete	
RainScapes Program	MRNG	E	55	2.32	6/30/2011	\$49,677	0.1%	Complete	

RainScapes Program	MIDW	E	1	0.01	6/30/2011	\$0	0.0%	Complete	
RainScapes Program	APRP	E	10	0.49	6/30/2011	\$7,200	0.0%	Complete	
RainScapes Program	MRWH	E	169	4.67	6/30/2011	\$7,991	0.1%	Complete	
RainScapes Program	AGRE	E	1	0.06	6/30/2011	\$2,400	0.0%	Complete	
RainScapes Program	IMPP	E	1	0.06	6/30/2011	\$0	0.0%	Complete	
RainScapes Program	MRWH	E	3	0.12	6/30/2012	\$1,275	0.0%	Complete	
RainScapes Program	MRNG	E	21	1.07	6/30/2012	\$45,663	0.0%	Complete	
RainScapes Program	MIDW	E	3	0.17	6/30/2012	\$1,750	0.0%	Complete	
RainScapes Program	APRP	E	4	0.23	6/30/2012	\$4,800	0.0%	Complete	
RainScapes Program	MRWH	E	71	1.35	6/30/2012	\$3,182	0.0%	Complete	
RainScapes Program	AGRE	E	1	0.07	6/30/2012	\$0	0.0%	Complete	
RainScapes Program	IMPP	E	1	0.04	6/30/2012	\$1,125	0.0%	Complete	
RainScapes Program	MRWH	E	2	0.04	6/30/2013	\$450	0.0%	Complete	
RainScapes Program	MRNG	E	79	3.56	6/30/2013	\$93,675	0.1%	Complete	
RainScapes Program	MIDW	E	2	0.30	6/30/2013	\$690	0.0%	Complete	
RainScapes Program	APRP	E	6	0.17	6/30/2013	\$9,800	0.0%	Complete	
RainScapes Program	MRWH	E	71	0.96	6/30/2013	\$3,520	0.0%	Complete	
RainScapes Program	MRWH	E	2	0.11	6/30/2014	\$650	0.0%	Complete	
RainScapes Program	MRNG	E	60	5.12	6/30/2014	\$68,432	0.1%	Complete	
RainScapes Program	MIDW	E	5	0.14	6/30/2014	\$2,014	0.0%	Complete	
RainScapes Program	APRP	E	14	0.76	6/30/2014	\$29,000	0.0%	Complete	
RainScapes Program	MRWH	E	39	0.47	6/30/2014	\$1,945	0.0%	Complete	
RainScapes Program	IMPP	E	2	0.10	6/30/2014	\$3,856	0.0%	Complete	
RainScapes Program	MRWH	E	6	0.04	6/30/2015	\$1,000	0.0%	Complete	
RainScapes Program	MRNG	E	85	3.49	6/30/2015	\$134,321	0.1%	Complete	
RainScapes Program	MIDW	E	11	0.30	6/30/2015	\$4,424	0.0%	Complete	
RainScapes Program	APRP	E	19	0.77	6/30/2015	\$51,880	0.0%	Complete	
RainScapes Program	MRWH	E	40	0.64	6/30/2015	\$2,697	0.0%	Complete	
RainScapes Program	APRP	E	4	0.14	6/30/2015	\$2,738	0.0%	Complete	
RainScapes Program	MRWH	E	7	0.42	6/30/2016	\$1,000	0.0%	Complete	
RainScapes Program	MRNG	E	87	7.39	6/30/2016	\$150,862	0.2%	Complete	
RainScapes Program	MIDW	E	13	0.42	6/30/2016	\$3,456	0.0%	Complete	
RainScapes Program	APRP	E	12	0.57	6/30/2016	\$24,944	0.0%	Complete	
RainScapes Program	MRWH	E	54	0.86	6/30/2016	\$2,165	0.0%	Complete	
RainScapes Program	MRWH	E	6	0.18	6/30/2017	\$1,810	0.0%	Complete	
RainScapes Program	MRNG	E	54	2.31	6/30/2017	\$126,776	0.1%	Complete	
RainScapes Program	APRP	E	12	0.65	6/30/2017	\$25,236	0.0%	Complete	
RainScapes Program	MRWH	E	75	1.42	6/30/2017	\$4,356	0.0%	Complete	
RainScapes Program	IMPP	E	5	0.40	6/30/2017	\$9,580	0.0%	Complete	
RainScapes Program	AGRE	E	2	0.42	6/30/2017	\$5,000	0.0%	Complete	
RainScapes Program	MRNG	E	68	3.25	6/30/2018	\$52,925	0.1%	Complete	
RainScapes Program	APRP	E	8	0.55	6/30/2018	\$18,940	0.0%	Complete	
RainScapes Program	MRWH	E	19	0.73	6/30/2018	\$1,485	0.0%	Complete	
RainScapes Program	IMPP	E	2	0.21	6/30/2018	\$2,500	0.0%	Complete	
RainScapes Program	AGRE	E	1	0.04	6/30/2018	\$2,500	0.0%	Complete	
Average Operations Complete To Date ⁴			15,784	361.18		\$7,982,708	9.6%		
Capital Projects									
Facility Planning 2010	OTH	[blank]	-	0	6/30/2010	\$433,803	0.0%	Complete	
Facility Planning 2011	OTH	[blank]	-	0	6/30/2011	\$749,335	0.0%	Complete	

Facility Planning 2012	OTH	[blank]	-	0	6/30/2012	\$550,210	0.0%	Complete	
Facility Planning 2013	OTH	[blank]	-	0	6/30/2013	\$879,435	0.0%	Complete	
Facility Planning 2014	OTH	[blank]	-	0	6/30/2014	\$1,658,518	0.0%	Complete	
Facility Planning 2015	OTH	[blank]	-	0	6/30/2015	\$660,000	0.0%	Complete	
Facility Planning 2016	OTH	[blank]	-	0	6/30/2016	\$432,000	0.0%	Complete	
Facility Planning 2017	OTH	[blank]	-	0	6/30/2017	\$990,000	0.0%	Complete	
Facility Planning 2018	OTH	[blank]	-	0	6/30/2018	\$796,000	0.0%	Complete	
Little Falls III Stream Restoration	STRE	A	1	16	12/1/2005	\$560,300	0.4%	Complete	
Joseph's Branch Stream Restoration - Spruell Drive	STRE	A	1	30	11/1/2006	\$484,038	0.8%	Complete	
Westleigh (Muddy Branch SVU)	PWED	S	1	12	12/1/2006	\$0	0.3%	Complete	
Little Falls - Somerset Stream Restoration	STRE	A	1	16	3/21/2008	\$221,640	0.4%	Complete	
Peachwood Stormwater Pond Upgrades	XDED	S	1	5	3/10/2009	\$322,670	0.1%	Complete	
PB-122	IMPP	A	2	0	7/6/2009	\$0	0.0%	Complete	
Outfall Stabilization - 1517 Menlee Drive	OUTS	A	1	1	1/1/2010	\$0	0.0%	Complete	
Outfall Stabilization - Wightman Road at Aspenwood Culverts	OUTS	A	1	0	2/1/2010	\$0	0.0%	Complete	
Outfall Stabilization - 13717 Mills Avenue	STRE	A	1	0	8/1/2010	\$0	0.0%	Complete	
Outfall Stabilization - 7208 Helmsdale Road	OUTS	A	1	0	8/1/2010	\$0	0.0%	Complete	
Road Culvert Stabilization - Burnt Mills Avenue at Hoyle Avenue	STRE	A	1	1	8/1/2010	\$0	0.0%	Complete	
Outfall Stabilization - 611 Lambertson Drive	OUTS	A	1	0	9/1/2010	\$0	0.0%	Complete	
Stream Restoration through Gabion Walls - 9512 Columbia Blvd	GABION	A	1	0	9/1/2010	\$0	0.0%	Complete	
Road Culvert Replacement - Davis Mill Road at Wildcat Road Culvert	STRE	A	1	1	11/1/2010	\$0	0.0%	Complete	
Stream Restoration - Bucknell Drive Median Stream Channel	STRE	A	1	4	11/1/2010	\$0	0.1%	Complete	
PB-114	MSWG	E	20	3	1/11/2011	\$0	0.1%	Complete	
PB-115	MSWG	E	18	3	1/11/2011	\$0	0.1%	Complete	
PB-U-01-S-17	MSWG	E	20	10	1/11/2011	\$0	0.3%	Complete	
Arcola Avenue Green Streets	MMBR	E	2	0	1/19/2011	\$448,709	0.0%	Complete	
Arcola Avenue Green Streets	IMPP	A	1	0	1/19/2011	\$0	0.0%	Complete	
Outfall Stabilization - Wayne Avenue at Sligo Creek Parkway	OUTS	A	1	0	3/1/2011	\$0	0.0%	Complete	
Schuylkill Rd Outfall Repair	OUTS	A	1	0	3/1/2011	\$0	0.0%	Complete	
Outfall Stabilization - 1012 Parrs Ridge	GABION	A	1	1	4/1/2011	\$0	0.0%	Complete	
Outfall Stabilization - 13717 Mills Avenue	OUTS	A	1	1	4/1/2011	\$0	0.0%	Complete	
Stream Outfall Restoration - 4305 Havard Street	STRE	A	1	2	4/1/2011	\$0	0.0%	Complete	
PB-122	MSWG	E	2	0	8/30/2011	\$0	0.0%	Complete	
PB-123	MSWG	E	6	0	8/30/2011	\$0	0.0%	Complete	
PB-124	MSWG	E	9	0	8/30/2011	\$0	0.0%	Complete	
PB-125	MSWG	E	5	0	8/30/2011	\$0	0.0%	Complete	
PB-127	MSWG	E	4	1	8/30/2011	\$0	0.0%	Complete	
PB-128	MSWG	E	15	1	8/30/2011	\$0	0.0%	Complete	
PB-U-01-S-59	MSWG	E	8	0	8/30/2011	\$0	0.0%	Complete	
PB-U-01-S-60	MSWG	E	20	2	8/30/2011	\$0	0.1%	Complete	
Road Culvert Stabilization - Circle Drive at Spring Drive	STRE	A	1	0	10/1/2011	\$0	0.0%	Complete	
Stream Restoration - 9014 Marseille Drive	STRE	A	1	1	10/1/2011	\$0	0.0%	Complete	
Arcola Avenue Green Streets	MMBR	E	1	0	10/18/2011	\$224,355	0.0%	Complete	
Arcola Avenue Green Streets	IMPP	A	1	0	10/18/2011	\$0	0.0%	Complete	
Arcola Avenue Green Streets	MMBR	E	1	0	10/21/2011	\$224,355	0.0%	Complete	
Road Culvert Replacement - Prathertown Road Culverts	STRE	A	1	0	11/1/2011	\$0	0.0%	Complete	
Stream Restoration - 9412 Emory Grove Road	STRE	A	1	1	11/1/2011	\$0	0.0%	Complete	
Arcola Avenue Green Streets	MMBR	E	1	0	11/10/2011	\$224,355	0.0%	Complete	
Arcola Avenue Green Streets	IMPP	A	1	0	11/10/2011	\$0	0.0%	Complete	

Arcola Avenue Green Streets	MMBR	E	2	1	11/18/2011	\$448,709	0.0%	Complete	
Arcola Avenue Green Streets	IMPP	A	1	0	11/18/2011	\$0	0.0%	Complete	
Fairland Ridge Stormwater Pond Upgrades	XDED	S	1	10	1/8/2012	\$172,544	0.3%	Complete	
Arcola Avenue Green Streets	MMBR	E	5	1	1/19/2012	\$236,363	0.0%	Complete	
Arcola Avenue Green Streets	IMPP	A	5	0	1/19/2012	\$0	0.0%	Complete	
White Oak Green Streets	MMBR	E	4	1	5/2/2012	\$375,352	0.0%	Complete	
White Oak Green Streets	IMPP	A	5	0	5/2/2012	\$0	0.0%	Complete	
Aspen Hill Library LID Retrofit Project	IMPP	A	1	0	6/4/2012	\$0	0.0%	Complete	
Aspen Hill Library Stormwater Practice Upgrades	MMBR	E	1	0	6/4/2012	\$322,922	0.0%	Complete	
Aspen Hill Library Stormwater Practice Upgrades	FBIO	E	1	1	6/4/2012	\$322,922	0.0%	Complete	
Kensington Park Library LID Retrofit Project	IMPP	A	1	0	6/12/2012	\$0	0.0%	Complete	
Kensington Park Library Stormwater Practice Upgrades	MRNG	E	4	1	6/12/2012	\$646,469	0.0%	Complete	
White Oak Green Streets	MMBR	E	1	0	6/30/2012	\$93,838	0.0%	Complete	
Forest Estates Green Streets	FBIO	E	11	2	7/19/2012	\$155,364	0.1%	Complete	
Forest Estates Green Streets	MMBR	E	9	2	7/19/2012	\$127,116	0.1%	Complete	
Forest Estates Green Streets	MRNG	E	3	0	7/19/2012	\$42,372	0.0%	Complete	
Forest Estates Green Streets	MSWG	E	1	0	7/19/2012	\$14,124	0.0%	Complete	
Ridgeview Middle School Stormwater Practice Upgrades	FBIO	E	4	1	9/25/2012	\$598,182	0.0%	Complete	
Ridgeview Middle School Stormwater Practice Upgrades	MRNG	E	1	1	9/25/2012	\$149,546	0.0%	Complete	
White Oak Green Streets	OTH	S	8	0	12/21/2012	\$750,703	0.0%	Complete	
White Oak Green Streets	MSWG	E	4	1	12/21/2012	\$375,352	0.0%	Complete	
White Oak Green Streets	FBIO	E	2	0	12/21/2012	\$187,676	0.0%	Complete	
White Oak Green Streets	MMBR	E	1	0	12/21/2012	\$93,838	0.0%	Complete	
White Oak Green Streets	IMPP	A	1	0	12/21/2012	\$0	0.0%	Complete	
Batchellors Run East Stream Restoration	STRE	A	3	57	3/6/2013	\$1,007,855	1.5%	Complete	
Batchellors Run East Stream Restoration	FPU	A	1	3	3/6/2013	\$0	0.1%	Complete	
Bryants Nursery Run Stream Restoration	STRE	A	2	52	3/6/2013	\$720,405	1.4%	Complete	
Bryants Nursery Run Stream Restoration	FPU	A	1	0	3/6/2013	\$0	0.0%	Complete	
Upper Northwest Branch Stream Restoration	STRE	A	1	65	3/6/2013	\$667,502	1.7%	Complete	
Upper Northwest Branch Stream Restoration	FPU	A	1	0	3/6/2013	\$0	0.0%	Complete	
Dennis Avenue Green Streets	MMBR	E	7	1	3/7/2013	\$287,985	0.0%	Complete	
Dennis Avenue Green Streets	FBIO	E	2	1	3/7/2013	\$82,281	0.0%	Complete	
Stoney Creek (NIH) Stormwater Pond	PWED	S	1	115	3/21/2013	\$5,373,410	3.0%	Complete	
PB-116	MSWG	E	14	0	5/3/2013	\$0	0.0%	Complete	
PB-117	MSWG	E	11	0	5/3/2013	\$0	0.0%	Complete	
PB-119	MSWG	E	13	0	5/3/2013	\$0	0.0%	Complete	
PB-121	MMBR	E	10	0	5/17/2013	\$0	0.0%	Complete	
PB-132	XDED	S	1	1	5/17/2013	\$0	0.0%	Complete	
PB-U-01-S-33	MSWG	E	14	0	5/17/2013	\$0	0.0%	Complete	
PB-124	IMPP	A	1	0	7/1/2013	\$0	0.0%	Complete	
NB-6	XDED	S	1	55	8/7/2013	\$0	1.5%	Complete	
Cold Spring Elementary School Stormwater Improvements	MMBR	E	1	1	8/13/2013	\$0	0.0%	Complete	
NB-11	WSHW	S	1	11	11/24/2013	\$0	0.3%	Complete	
PB-130	FBIO	E	7	1	11/24/2013	\$0	0.0%	Complete	
PB-130	IMPP	A	5	0	11/24/2013	\$0	0.0%	Complete	
Booze Creek Stream Restoration	STRE	A	2	119	12/6/2013	\$449,810	3.2%	Complete	
Schuylkill Rd Outfall Repair	OUTS	A	1	0	1/8/2014	\$0	0.0%	Complete	
Sligo Park Hills Neighborhood Green Street	MMBR	E	13	5	1/27/2014	\$730,139	0.1%	Complete	
Sligo Park Hills Neighborhood Green Street	APRP	E	9	2	1/27/2014	\$505,481	0.0%	Complete	

Sligo Park Hills Neighborhood Green Street	FBIO	E	5	1	1/27/2014	\$280,823	0.0%	Complete	
Brookville Bus Depot Stormwater Practice Upgrades	PWED	S	1	15	2/3/2014	\$1,771,536	0.4%	Complete	
Sherwood Forest I Stream Restoration	STRE	A	1	87	3/25/2014	\$1,632,156	2.3%	Complete	
Woodlawn Stream Restoration	STRE	A	3	69	3/26/2014	\$0	1.8%	Complete	
Batchellors Run I Stream Restoration	STRE	A	1	30	5/13/2014	\$0	0.8%	Complete	
Batchellors Run II Stream Restoration	STRE	A	2	48	5/13/2014	\$1,454,103	1.3%	Complete	
Dennis Avenue Green Streets	FBIO	E	11	5	6/6/2014	\$413,216	0.1%	Complete	
Dennis Avenue Green Streets	MSWG	E	3	1	6/6/2014	\$112,695	0.0%	Complete	
Dennis Avenue Green Streets	OTH	E	1	0	6/6/2014	\$37,565	0.0%	Complete	
Dennis Avenue Green Streets	IMPP	A	6	0	6/6/2014	\$0	0.0%	Complete	
Georgian Colonies and Georgian Woods Colonies Stormwater Pond Upgrades								Complete	
	XDED	S	1	5	6/18/2014	\$546,428	0.1%		
Georgian Colonies and Georgian Woods Colonies Stormwater Pond Upgrades								Complete	
	PWED	S	1	4	6/18/2014	\$546,428	0.1%		
Holman Avenue - Forest Glen Outfall Repair	OUTS	A	1	1	6/22/2014	\$0	0.0%	Complete	
Naples Manor Stormwater Pond Upgrades	XDED	S	1	11	7/9/2014	\$546,428	0.3%	Complete	
Dennis Avenue Green Streets	MMBR	E	15	6	8/14/2014	\$563,477	0.2%	Complete	
Dennis Avenue Green Streets	APRP	E	5	1	8/14/2014	\$187,826	0.0%	Complete	
Dennis Avenue Green Streets	MSWG	E	3	1	8/14/2014	\$112,695	0.0%	Complete	
Dennis Avenue Green Streets	FBIO	E	1	2	8/14/2014	\$37,565	0.0%	Complete	
Dennis Avenue Green Streets	IMPP	A	12	0	8/14/2014	\$0	0.0%	Complete	
PB-133	MSWG	E	22	4	9/30/2014	\$0	0.1%	Complete	
Sligo Park Hills Neighborhood Green Street	APRP	E	22	2	10/20/2014	\$1,235,620	0.1%	Complete	
Sligo Park Hills Neighborhood Green Street	MMBR	E	12	2	10/20/2014	\$673,974	0.1%	Complete	
Sligo Park Hills Neighborhood Green Street	FBIO	E	6	1	10/20/2014	\$336,987	0.0%	Complete	
Fallsreach Stormwater Pond Upgrades and Stream Restoration	PWED	S	1	12	10/29/2014	\$317,356	0.3%	Complete	
Montgomery Auto Sales Park Regional Stormwater Pond Upgrades	PWED	S	1	70	11/17/2014	\$2,377,123	1.9%	Complete	
Sligo Park Hills Neighborhood Green Street	APRP	E	3	0	11/18/2014	\$168,494	0.0%	Complete	
Sligo Park Hills Neighborhood Green Street	FBIO	E	2	1	11/18/2014	\$112,329	0.0%	Complete	
Sligo Park Hills Neighborhood Green Street	MMBR	E	1	0	11/18/2014	\$56,165	0.0%	Complete	
Franklin Knolls and Clifton Park Green Streets	MRNG	E	12	2	11/21/2014	\$334,448	0.1%	Complete	
Franklin Knolls and Clifton Park Green Streets	FBIO	E	7	1	11/21/2014	\$195,094	0.0%	Complete	
Franklin Knolls and Clifton Park Green Streets	MMBR	E	6	3	11/21/2014	\$167,224	0.1%	Complete	
Franklin Knolls and Clifton Park Green Streets	MSWG	E	1	0	11/21/2014	\$27,871	0.0%	Complete	
Sligo Park Hills Neighborhood Green Street	ITRN	S	1	0	12/5/2014	\$56,165	0.0%	Complete	
NB-16	WSHW	S	1	36	12/12/2014	\$0	0.9%	Complete	
Gunners Lake Village Stormwater Pond Upgrades	PWED	S	1	319	12/15/2014	\$171,821	8.4%	Complete	
Donnybrook Green Streets and Stream Restoration	MSWG	E	4	2	12/16/2014	\$632,233	0.1%	Complete	
Donnybrook Green Streets and Stream Restoration	MMBR	E	2	1	12/16/2014	\$316,117	0.0%	Complete	
Donnybrook Green Streets and Stream Restoration	STRE	A	1	59	12/16/2014	\$186,847	1.6%	Complete	
Donnybrook Green Streets and Stream Restoration	FBIO	E	1	0	12/16/2014	\$158,058	0.0%	Complete	
Donnybrook Green Streets and Stream Restoration	IMPP	A	4	0	12/16/2014	\$0	0.0%	Complete	
NW-35	PWED	S	1	6	1/16/2015	\$0	0.2%	Complete	
NW-47	PWED	S	1	9	1/16/2015	\$0	0.2%	Complete	
Sligo Park Hills Neighborhood Green Street	ITRN	S	2	0	1/29/2015	\$131,818	0.0%	Complete	
PB-43	WEDW	S	1	8	3/11/2015	\$0	0.2%	Complete	
NW-32	PWED	S	1	6	3/24/2015	\$0	0.2%	Complete	
Emory Grove Park Stormwater Pond Upgrades	PWED	S	1	8	5/7/2015	\$1,035,806	0.2%	Complete	
Emory Grove Park Stormwater Pond Upgrades	XDED	S	1	3	5/7/2015	\$1,035,806	0.1%	Complete	

Amherst Green Streets	MMBR	E	2	1	5/13/2015	\$150,605	0.0%	Complete	
Breewood Manor Green Streets	MRNG	E	8	1	5/13/2015	\$956,507	0.0%	Complete	
Breewood Manor Green Streets	FBIO	E	2	0	5/13/2015	\$239,127	0.0%	Complete	
Breewood Manor Green Streets	IMPP	A	3	0	5/13/2015	\$0	0.0%	Complete	
Breewood Tributary Stream Restoration	STRE	A	1	38	5/28/2015	\$1,124,419	1.0%	Complete	
Meadowvale Stormwater Pond Upgrades	PWET	S	1	11	6/11/2015	\$1,035,806	0.3%	Complete	
PB-114A	XDED	S	1	8	6/12/2015	\$0	0.2%	Complete	
PB-140	MSWG	E	9	2	6/17/2015	\$0	0.0%	Complete	
PB-141	MSWG	E	6	3	6/17/2015	\$0	0.1%	Complete	
PB-142	MSWG	E	3	0	6/17/2015	\$0	0.0%	Complete	
PB-143	MSWG	E	7	1	6/17/2015	\$0	0.0%	Complete	
DOT Outfall Stabilization - 10068 Maple Leaf Dr.	OUTS	A	1	0	6/30/2015	\$0	0.0%	Complete	
DOT Outfall Stabilization - 20332 Maple Leaf Dr.	OUTS	A	1	0	6/30/2015	\$0	0.0%	Complete	
DOT Outfall Stabilization - 8500 Fryeman Ave.	OUTS	A	1	0	6/30/2015	\$0	0.0%	Complete	
DOT Outfall Stabilization - Sligo Creek	OUTS	A	1	0	6/30/2015	\$0	0.0%	Complete	
Glynshire Way Stormwater Pond Upgrades and Stream Restoration	WSHW	S	1	20	8/28/2015	\$784,282	0.5%	Complete	
Ridge Mist Terrace Stormwater Pond Upgrades and Stream Restoration	XDED	S	1	7	8/28/2015	\$784,282	0.2%	Complete	
PB-33	XDED	S	1	2	10/7/2015	\$0	0.1%	Complete	
Chadswood Stormwater Pond Upgrades	XDED	S	1	50	11/3/2015	\$1,285,653	1.3%	Complete	
Scotland Neighborhood Recreation Center	FSND	S	1	1	11/9/2015	\$104,021	0.0%	Complete	
Hollywood Branch Stream Restoration	STRE	A	1	134	12/18/2015	\$2,925,718	3.5%	Complete	
PB-48	MSGW	E	1	2	3/3/2016	\$0	0.0%	Complete	
PB-46A	XDED	S	1	7	3/21/2016	\$0	0.2%	Complete	
NB-7	WSHW	S	1	74	3/29/2016	\$0	2.0%	Complete	
Franklin Knolls and Clifton Park Green Streets	MRNG	E	38	9	5/31/2016	\$1,384,939	0.2%	Complete	
Franklin Knolls and Clifton Park Green Streets	MMBR	E	4	0	5/31/2016	\$145,783	0.0%	Complete	
Donnybrook Green Streets and Stream Restoration	MMBR	E	5	1	6/23/2016	\$1,033,446	0.0%	Complete	
NW-39	PWET	S	1	5	6/27/2016	\$0	0.1%	Complete	
DOT Outfall Stabilization - 11820 Hunting Ridge Ct.	OUTS	A	1	0	6/30/2016	\$0	0.0%	Complete	
DOT Outfall Stabilization - Dartmouth Dr at Sligo Creek	OUTS	A	1	0	6/30/2016	\$0	0.0%	Complete	
Franklin Knolls and Clifton Park Green Streets	MRNG	E	38	10	6/30/2016	\$1,384,939	0.3%	Complete	
Franklin Knolls and Clifton Park Green Streets	FBIO	E	13	0	6/30/2016	\$473,795	0.0%	Complete	
Franklin Knolls and Clifton Park Green Streets	MMBR	E	4	0	6/30/2016	\$145,783	0.0%	Complete	
Germantown Park Stormwater Pond Upgrades and Stream Restoration (Phase I)	XDED	S	1	10	8/11/2016	\$334,876	0.3%	Complete	
Oak View Elementary School Stormwater Practice Upgrades	MMBR	E	2	0	8/17/2016	\$216,051	0.0%	Complete	
Oak View Elementary School Stormwater Practice Upgrades	MRNG	E	1	0	8/17/2016	\$108,026	0.0%	Complete	
Oak View Elementary School Stormwater Practice Upgrades	MSWG	E	1	0	8/17/2016	\$108,026	0.0%	Complete	
Rosa Parks Middle School Stormwater Practice Upgrades	MMBR	E	4	1	8/17/2016	\$500,194	0.0%	Complete	
Rosa Parks Middle School Stormwater Practice Upgrades	MSWG	E	1	0	8/17/2016	\$125,049	0.0%	Complete	
Rosa Parks Middle School Stormwater Practice Upgrades	FBIO	E	1	0	8/17/2016	\$125,049	0.0%	Complete	
White Oak Middle School Stormwater Practice Upgrades	MMBR	E	5	1	8/17/2016	\$149,024	0.0%	Complete	
White Oak Middle School Stormwater Practice Upgrades	FBIO	E	1	1	8/17/2016	\$29,805	0.0%	Complete	
White Oak Middle School Stormwater Practice Upgrades	IMPP	A	1	0	8/17/2016	\$0	0.0%	Complete	
Montgomery Village Stormwater Pond Upgrades	XDED	S	1	6	11/2/2016	\$1,844,155	0.2%	Complete	
Metro Park N Stormwater Pond Upgrades	PWED	S	1	16	3/8/2017	\$753,885	0.4%	Complete	
Metro Park N Stormwater Pond Upgrades	XDED	S	1	14	3/8/2017	\$753,885	0.4%	Complete	
Colesville Park & Ride Stormwater Practice Upgrades	MMBR	E	3	1	3/23/2017	\$285,623	0.0%	Complete	
Colesville Park & Ride Stormwater Practice Upgrades	FUND	S	2	0	3/23/2017	\$155,278	0.0%	Complete	

Colesville Park & Ride Stormwater Practice Upgrades	IMPP	A	3	0	3/23/2017	\$0	0.0%	Complete	
Greencastle Park & Ride Stormwater Practice Upgrades	MMBR	E	5	1	3/30/2017	\$666,455	0.0%	Complete	
Greencastle Park & Ride Stormwater Practice Upgrades	FUND	S	2	0	3/30/2017	\$217,389	0.0%	Complete	
Greencastle Park & Ride Stormwater Practice Upgrades	IMPP	A	1	0	3/30/2017	\$0	0.0%	Complete	
Montgomery Manor Stormwater Pond Upgrades	PWED	S	1	5	5/18/2017	\$753,885	0.1%	Complete	
Collingwood Stormwater Pond Upgrades	XDED	S	1	6	5/31/2017	\$189,685	0.2%	Complete	
Bedfordshire Stormwater Pond Upgrades and Stream Restoration	STRE	A	1	32	6/2/2017	\$1,530,928	0.9%	Complete	
Breewood Manor Green Streets	FBIO	E	1	3	6/2/2017	\$104,886	0.1%	Complete	
Breewood Manor Green Streets	IMPF	A	1	0	6/2/2017	\$0	0.0%	Complete	
Valley Park Stormwater Pond Upgrades	PWED	S	1	68	6/29/2017	\$3,414,049	1.8%	Complete	
Glenstone Stream Restoration	STRE	A	1	43	6/30/2017	\$503,937	1.1%	Complete	
Newport Mills Middle School Stormwater Practice Upgrades	FBIO	E	1	3	8/25/2017	\$518,004	0.1%	Complete	
Sligo Middle School Stormwater Practice Upgrades	FBIO	E	1	1	8/25/2017	\$267,140	0.0%	Complete	
Sligo Middle School Stormwater Practice Upgrades	MRNG	E	1	1	8/25/2017	\$267,140	0.0%	Complete	
Strathmore Elementary School Stormwater Practice Upgrades	FBIO	E	1	1	8/25/2017	\$272,493	0.0%	Complete	
Argyle Middle School Stormwater Practice Upgrades	FBIO	E	2	4	9/26/2017	\$858,985	0.1%	Complete	
Argyle Middle School Stormwater Practice Upgrades	MMBR	E	1	0	9/26/2017	\$429,493	0.0%	Complete	
Potomac Chase (Fox Hills North) Stormwater Pond Upgrades	XDED	S	1	15	11/29/2017	\$1,470,762	0.4%	Complete	
CMAC Retrofits	XOTH	X	2	130	12/1/2017	\$445,035	3.5%	Complete	
Potomac Ridge Stormwater Pond Upgrades	XDED	S	2	30	12/20/2017	\$2,682,876	0.8%	Complete	
Potomac Ridge Stormwater Pond Upgrades	MSWG	E	1	0	12/20/2017	\$1,341,438	0.0%	Complete	
Fox Hills of Potomac and Normandy Falls Stormwater Pond Upgrades	XDED	S	1	4	3/6/2018	\$376,355	0.1%	Complete	
Potomac Ridge Stormwater Pond Upgrades	XDED	S	1	10	5/9/2018	\$1,359,307	0.3%	Complete	
Manchester Farm Regional Stormwater Pond Upgrades	XDED	S	1	160	6/7/2018	\$300,727	4.2%	Complete	
Potomac Ridge Stormwater Pond Upgrades	XDED	S	1	3	6/30/2018	\$1,359,307	0.1%	Complete	
Olney Elementary School Stormwater Practice Upgrades	MMBR	E	2	0	8/24/2018	\$386,254	0.0%	Complete	
Olney Elementary School Stormwater Practice Upgrades	MRNG	E	1	0	8/24/2018	\$193,127	0.0%	Complete	
North Lake Apartments Stormwater Pond Upgrades	XDED	S	1	6	9/18/2018	\$2,514,170	0.2%	Complete	
Potomac Chase And Mills Farm Stormwater Pond Upgrades	XDED	S	1	12	9/26/2018	\$1,785,578	0.3%	Complete	
Quince Orchard Manor Stormwater Pond Upgrades	XDED	S	1	43	12/28/2018	\$4,342,292	1.1%	Complete	
Subtotal Capital Complete To Date			781	2,484		\$90,768,003	65.76%		
Other									
New BMPs Treating Existing Imp Area	REDE	[blank]	0	832	6/30/2017	\$308,077	22.0%	Complete	
New BMPs Treating Existing Imp Area	REDE	[blank]	0	101	6/30/2018	\$307,310	2.7%	Complete	
Subtotal Other Complete To Date			0	933		\$615,387	24.7%		
Total Complete to Date (i.e., thru first half of FY 2019 and completion of ISRP)			16,565	3,779		\$99,366,098	100.0%		

Check with MS4 Geodatabase:

Rest BMP ID, type, class, number of BMPs, impervious acres, built date, implementation cost and implementation status should match the various geodatabase tables for BMPs (AltBMPLine, AltBMPPoint,

Notes:

1. Use BMP domains from the MS4 Geodatabase.
2. Complete, Under Construction, Planning, or Proposed.
3. For street sweeping indicate the annual frequency that the streets are swept, and for storm drain or catch basin cleaning report the pounds of material removed.
4. Average IMP ACRES for Operational BMPs should be the average of BMP 1 + the average of BMP 2, etc.