

COUNTY COUNCIL OF ANNE ARUNDEL COUNTY, MARYLAND

Legislative Session 2021, Legislative Day No. 1

Resolution No. 4-21

Introduced by Ms. Lacey, Chair
(by request of the County Executive)

By the County Council, January 4, 2021

1 RESOLUTION approving Anne Arundel County’s 2021 Financial Assurance Plan for
2 compliance with the National Pollutant Discharge Elimination Phase I Municipal Separate
3 Storm Sewer System Permit

4
5 WHEREAS, § 4-202.1(j)(1) of the Environment Article of the State Code requires
6 that every two years on the anniversary date of the issuance of a county’s National
7 Pollutant Discharge Elimination Phase I Municipal Separate Storm Sewer System
8 Permit (“NPDES MS4 Permit”), a county shall file a financial assurance plan with
9 the Maryland Department of the Environment (“MDE”) regarding compliance with
10 the county’s NPDES MS4 Permit; and

11
12 WHEREAS, the anniversary date of the County’s NPDES MS4 Permit is February
13 12, 2021; and

14
15 WHEREAS, § 4-202.1(j)(3) of the Environment Article of the State Code provides
16 that a county may not file a financial assurance plan with the MDE until the local
17 governing body of the county holds a public hearing on the financial assurance plan
18 and approves the financial assurance plan; and

19
20 WHEREAS, § 4-202.1(j)(1) of the Environment Article of the State Code requires
21 that a financial assurance plan shall clearly identify: (1) actions that will be required
22 by the county to meet the requirements of the NPDES MS4 Permit; (2) projected
23 annual and five-year costs for the county to meet the impervious surface restoration
24 plan requirements of its NPDES MS4 Permit; (3) projected annual and five-year
25 revenues or other funds that will be used to meet the costs for the county to meet
26 the impervious surface restoration plan requirements of its NPDES MS4 Permit;
27 (4) any sources of funds that will be utilized by the county to meet the requirements
28 of its NPDES MS4 Permit; and (5) specific actions and expenditures that the county
29 implemented in the previous fiscal years to meet its impervious surface restoration
30 plan requirements under its NPDES MS4 Permit; and

31
32 WHEREAS, § 4-202.1(j)(4)(iii) of the Environment Article of the State Code
33 provides that funding in the financial assurance plan is sufficient if it demonstrates
34 that the county has dedicated revenues, funds, or sources of funds to meet, for the
35 two-year period immediately following the filing date of the financial assurance
36 plan, 100% of the projected costs of compliance with the impervious surface
37 restoration plan requirements of the county under its NPDES MS4 Permit over that
38 two-year period; and

1 WHEREAS, Anne Arundel County's 2021 Financial Assurance Plan, which
2 addresses the requirements of § 4-202.1(j) of the Environment Article of the State
3 Code, has been prepared at the direction of and approved by the County Executive
4 and is attached hereto as Exhibit A, and a certified copy of the "Anne Arundel
5 County's 2021 Financial Assurance Plan" shall be permanently kept on file at the
6 Department of Public Works; now, therefore, be it

7

8 *Resolved by the County Council of Anne Arundel County, Maryland, That Anne*
9 *Arundel County's 2021 Financial Assurance Plan, attached hereto as Exhibit A, is hereby*
10 *approved; and be it further*

11

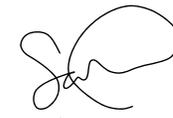
12 *Resolved, That a copy of this Resolution be sent to County Executive Steuart Pittman;*
13 *and to Raymond P. Bahr, Deputy Program Manager, Sediment, Stormwater, and Dam*
14 *Safety Program, Maryland Department of the Environment.*

READ AND PASSED this 1st day of February, 2021.

By Order:


Laura Corby
Administrative Officer

I HEREBY CERTIFY THAT RESOLUTION NO. 4-21 IS TRUE AND CORRECT AND DULY
ADOPTED BY THE COUNTY COUNCIL OF ANNE ARUNDEL COUNTY.


Sarah F. Lacey
Chair

Anne Arundel County Financial Assurance Plan to Meet the Requirements of the NPDES Municipal Separate Storm Sewer System (MS4) Permit

December 22, 2020

Executive Summary

Introduction

Anne Arundel County's NPDES MS4 permit, issued February 12, 2014, requires that the County complete restoration efforts to achieve the equivalent of treating 20% of the impervious surfaces not previously restored to the maximum extent practicable. The County's baseline, which has been previously approved by MDE, identifies 29,311 acres with either no or partial management, requiring the equivalent of 5,862 acres to be restored to meet the 20% criteria by the end of the permit term in February 2019. Through the identification and inspection, during the current permit term, of stormwater practices installed prior to the inception of this permit, Anne Arundel County has revised its baseline to 24,981 acres with either no or partial management, requiring the County to treat 4,996 acres to meet the 20% threshold of restoration.

The submission of Anne Arundel County's Financial Assurance Plan (FAP), as well as the submission of the Bureau of Watershed Protection and Restoration (BWPR) annual report, is required for compliance with Maryland Environment Article §4-202.1. The attached FAP is submitted to show that the County has the financial means to achieve the permit requirements. This FAP addresses the activities completed by the County's BWPR from FY14 through FY20, and the planned and programmed activities from FY21 through FY25.

The completion and submission of the FAP is required every two years with this first submittal due on July 1, 2016. This, the third FAP, is to be submitted on or before the anniversary date of the County's NPDES MS4 Permit (February 12, 2021). This change was made by MDE to synchronize the reporting process. Going forward, the next FAP will be provided in 2 years, and is to be submitted on or before February 12, 2023.

According to the requirements for completing the attached FAP, all restoration activities completed by June 30, 2020 are classified as completed activities and their actual costs are reported. These activities include a variety of projects with a variety of funding sources as described below.

- CIP projects from Stormwater Runoff Controls and Water Quality Improvement classes that were completed in FY14 and FY15:
 - Several of these projects incurred costs prior to WPRP implementation, with construction completed in FY14 or FY15. These restoration projects were included in the NPDES MS4 reports for FY14 and FY15, and were funded by grants, general fund County bonds, and WPRF bonds, or a combination of these sources.

- CIP projects from the Watershed Protection and Restoration Program class that were completed in FY14 through FY20:
 - Some of these projects had design contracts that were initiated from within the Stormwater Runoff Controls and Water Quality Improvement classes, but were completed through the County's WPRP class of CIP projects. All restoration project contracts completed out of the WPRP class were funded by WPRF bonds, but any prior work associated with other CIP classes may also include grants and general fund County bonds as funding sources.
- Operating budget funded restoration projects include ongoing street sweeping, inlet cleaning, and septic pumping:
 - Street sweeping and inlet cleaning are funded out of the BWPR operating budget.

Other restoration actions include septic system connections to water reclamation facilities (WRFs), septic system upgrades to denitrification systems, and restoration projects completed by non-governmental organizations (NGO). Septic system upgrades to denitrification systems are funded through Bay Restoration Fund grants. Costs for septic system connections to the sanitary sewer system are managed through the County's Bureau of Utilities; WPRF funds are not expended for this activity. Funding for restoration projects completed by NGOs include both County WPRF funds made available through the ongoing BWPR grant program, and grant funding to the NGOs from other entities resulting in no cost to the County.

Projections are also made for programmed projects that will be completed by June 30, 2025 (end of FY25). Programmed projects not completed by June 30, 2020 are classified as either under construction, planned, or proposed. Projects considered "under construction" were in the construction phase as of the end of FY20, and are anticipated to be complete at the end of FY21. "Planned projects" are those activities where a design contract has been issued by June 30, 2020. "Proposed projects" include restoration activities that had been identified by County project managers but design work has not been initiated. Projections are also included for the ongoing operating activities and other restoration actions, as well as the addition of septic pumping performed by local contractors. Septic pumping can provide credit for the County and requires no general fund or WPRF fund expenditures.

Included in the FAP are cost and revenue information. Costs identified include the operating costs for the BWPR, debt service on WPRF bonds, and the County's BWPR grant program to fund restoration projects completed by non-governmental agencies for which the County takes equivalent impervious treatment credits. Actual costs are reported for FY14 through FY20, and budgeted costs are included for FY21-FY25. These budgeted costs were obtained from the County Budget Office's WPRF Affordability Model and Capital Budget Program.

Sources of Funds to Meet the MS4:

A variety of funding sources (revenue) are recognized in this FAP. WPRF revenues include actual stormwater fee revenue amounts for FY14 through FY20, and projected revenues for FY21-FY25. These revenue projections assume no stormwater fee increases over this time frame and include an adjustment for a 1% increase in ERU due to development.

Grant sources include State funded grants for CIP restoration projects (e.g., MD DNR Chesapeake Bay Trust Fund) as well as BRF grants. The County's BWPR program is actively

pursuing additional grant opportunities for future projects, and it is anticipated that the use of grant funds will allow additional CIP restoration projects, not currently included as part of this FAP, to occur.

The attached FAP indicates that approximately 5,112 acres, or 20.5%, of restoration was completed by the end of FY20, which is 7 months prior to the end of the current, administratively extended, NPDES MS4 permit term.

Projected Annual and 5-Year Costs and Revenues to Meet the MS4:

Total program projected restoration and MS4 compliance activity costs through FY25 are \$530 million, and \$611 million in revenue is expected, which demonstrates that the funding sources enumerated in the FAP are adequate to meet the permit requirements, treating approximately 9,631 impervious acres, which is estimated to be sufficient to cover the restoration requirements of the next, currently pending, MS4 permit.

MS4 Information	
Jurisdiction	Anne Arundel County
Contact Name	Erik Michelsen
Phone	410-222-7520
Address	2662 Riva Road
City	Annapolis
State	MD
Zip	21401
Email	pwmich20@aacounty.org
Impervious Acre Baseline (Untreated Acres)	24981.00
Permit Number	11-DP-3316 MD0068306
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: 24,981

REST BMP TYPE ¹	BMP CLASS	IMP ACRES	IMPL COST	% ISRP COMPLETE	IMPL STATUS ²	PROJECTED IMPL YR ³
Operational Programs⁴						
VSS	A	0.55	\$36,808.00	0.0%	Complete	FY2014
VSS	A	14.04	\$167,914.00	0.1%	Complete	FY2015
VSS	A	122.68	\$305,065.00	0.5%	Complete	FY2016
VSS	A	239.81	\$437,013.00	1.0%	Complete	FY2017
VSS	A	144.32	\$437,004.00	0.6%	Complete	FY2018
VSS	A	191.72	\$401,932.00	0.8%	Complete	FY2019
VSS	A	156.6	\$395,345.00	0.6%	Complete	FY2020
VSS	A	168.9	\$397,016.00	0.7%	Planning	FY2021
VSS	A	168.9	\$408,927.00	0.7%	Proposed	FY2022
VSS	A	168.9	\$421,194.00	0.7%	Proposed	FY2023
VSS	A	168.9	\$433,830.00	0.7%	Proposed	FY2024
VSS	A	168.9	\$446,845.00	0.7%	Proposed	FY2025
CBC	A	0	\$474,499.00	0.0%	Complete	FY2016
CBC	A	96.48	\$616,197.00	0.4%	Complete	FY2017
CBC	A	43.13	\$625,231.00	0.2%	Complete	FY2018
CBC	A	115.46	\$548,278.00	0.5%	Complete	FY2019
CBC	A	53.24	\$524,962.00	0.2%	Complete	FY2020
CBC	A	69.8	\$586,194.00	0.3%	Planning	FY2021
CBC	A	69.8	\$603,780.00	0.3%	Proposed	FY2022
CBC	A	69.8	\$621,894.00	0.3%	Proposed	FY2023
CBC	A	69.8	\$640,550.00	0.3%	Proposed	FY2024
CBC	A	69.8	\$659,767.00	0.3%	Proposed	FY2025
SEPP	A	248.6	\$0.00	1.0%	Complete	FY2016
SEPP	A	282.5	\$0.00	1.1%	Complete	FY2017

SEPP	A	329.8	\$0.00	1.3%	Complete	FY2018
SEPP	A	387.3	\$0.00	1.6%	Complete	FY2019
SEPP	A	468.27	\$0.00	1.9%	Complete	FY2020
SEPP	A	286.97	\$0.00	1.1%	Planning	FY2021
SEPP	A	286.97	\$0.00	1.1%	Proposed	FY2022
SEPP	A	286.97	\$0.00	1.1%	Proposed	FY2023
SEPP	A	286.97	\$0.00	1.1%	Proposed	FY2024
SEPP	A	286.97	\$0.00	1.1%	Proposed	FY2025
Average Operations Next Two Years (FY2021-FY2022) ⁵		526	\$1,995,917	2.1%		
Average Operations Next Five Years (FY2021-FY2025) ⁵		526	\$5,219,997	2.1%		
Average Operations All Years ⁵		526	\$10,190,245	2.1%		
Capital Projects						
FBIO	S	4.24	\$145,170.00	0.017%	Complete	FY2012
FBIO	S	3.11	\$399,854.00	0.012%	Complete	FY2016
FBIO	S	0.41	\$295,503.00	0.002%	Complete	FY2017
FBIO	S	0.96	\$377,100.00	0.004%	Complete	FY2018
FBIO	S	0.52	\$181,434.26	0.002%	Complete	FY2019
FBIO	S	0.55	\$47,331.00	0.002%	Complete	FY2020
FPU	A	0.52	\$72,948.00	0.002%	Complete	FY2019
FPU	A	1.01	\$70,065.05	0.004%	Complete	FY2020
FSND	S	0.31	\$161,026.00	0.001%	Complete	FY2017
FSND	S	3.06	\$222,226.96	0.012%	Complete	FY2019
IBAS	S	27.83	\$1,813,223.00	0.111%	Complete	FY2017
IBAS	S	35.01	\$648,048.00	0.140%	Complete	FY2018
IBAS	S	7.21	\$732,673.00	0.029%	Complete	FY2020
IMPF	A	0.12	\$50,903.00	0.000%	Complete	FY2019
IMPF	A	0.04	\$14,689.01	0.000%	Complete	FY2020
IMPP	A	0.09	\$189,350.00	0.000%	Complete	FY2014
IMPP	A	0.02	\$799,889.00	0.000%	Complete	FY2020
ITRN	S	0.22	\$161,026.00	0.001%	Complete	FY2017
ITRN	S	5.05	\$633,991.90	0.020%	Complete	FY2018

ITRN	S	0.71	\$1,468.42	0.003%	Complete	FY2020
MRNG	E	0.19	\$23,387.00	0.001%	Complete	FY2015
MRNG	E	1.44	\$58,080.00	0.006%	Complete	FY2017
MSWB	E	0.61	\$45,000.00	0.002%	Complete	FY2017
MSWB	E	1.22	\$7,842.00	0.005%	Complete	FY2019
OTH	A	3.33	\$4,950.00	0.013%	Complete	FY2020
OUT	A	2	\$60,360.00	0.008%	Complete	FY2014
OUT	A	4.8	\$1,123,526.00	0.019%	Complete	FY2015
OUT	A	1.45	\$114,120.00	0.006%	Complete	FY2016
OUT	A	2.5	\$213,608.00	0.010%	Complete	FY2017
OUT	A	5.8	\$989,701.00	0.023%	Complete	FY2018
OUT	A	14.75	\$2,384,795.70	0.059%	Complete	FY2019
OUT	A	6.96	\$706,345.57	0.028%	Complete	FY2020
PMED	S	4.93	\$470,471.00	0.020%	Complete	FY2017
PMPS	S	3.43	\$348,494.00	0.014%	Complete	FY2017
PWED	S	3.36	\$249,583.00	0.013%	Complete	FY2017
PWED	S	105.78	\$1,829,917.00	0.423%	Complete	FY2018
PWED	S	38.01	\$1,825,876.96	0.152%	Complete	FY2019
PWED	S	118.03	\$354,700.00	0.472%	Complete	FY2020
PWET	S	10.91	\$324,787.00	0.044%	Complete	FY2014
PWET	S	43.68	\$1,698,114.00	0.175%	Complete	FY2015
PWET	S	20.07	\$1,296,310.00	0.080%	Complete	FY2016
PWET	S	101.8	\$4,498,225.00	0.408%	Complete	FY2017
PWET	S	4.84	\$603,415.00	0.019%	Complete	FY2018
PWET	S	133.8	\$2,986,823.35	0.536%	Complete	FY2019
PWET	S	8.2	\$613,991.00	0.033%	Complete	FY2020
SHST	A	17.6	\$318,000.00	0.070%	Complete	FY2015
SHST	A	21.36	\$530,934.00	0.086%	Complete	FY2016
SHST	A	102.57	\$1,201,254.65	0.411%	Complete	FY2017
SHST	A	0.54	\$150,348.85	0.002%	Complete	FY2018
SHST	A	6.6	\$42,492.00	0.026%	Complete	FY2019
SHST	A	800.97	\$4,674,973.00	3.206%	Complete	FY2020
SPSC	S	6.82	\$382,075.00	0.027%	Complete	FY2014
SPSC	S	8.76	\$950,979.00	0.035%	Complete	FY2015

SPSC	S	28.46	\$1,971,358.00	0.114%	Complete	FY2016
SPSC	S	37.89	\$1,887,740.00	0.152%	Complete	FY2017
SPSC	S	23.51	\$2,923,998.22	0.094%	Complete	FY2018
SPSC	S	26.09	\$3,324,463.61	0.104%	Complete	FY2019
SPSC	S	201.17	\$1,861,628.58	0.805%	Complete	FY2020
STRE	A	20.3	\$687,600.00	0.081%	Complete	FY2013
STRE	A	130.1	\$2,222,738.00	0.521%	Complete	FY2015
STRE	A	44.7	\$2,005,057.00	0.179%	Complete	FY2016
STRE	A	97.24	\$1,766,741.00	0.389%	Complete	FY2017
STRE	A	549.1	\$5,513,054.00	2.198%	Complete	FY2019
STRE	A	483.82	\$7,153,648.73	1.937%	Complete	FY2020
WEDW	S	30.96	\$1,822,308.00	0.124%	Complete	FY2017
WEDW	S	9.94	\$774,573.83	0.040%	Complete	FY2018
WEDW	S	28.07	\$853,415.00	0.112%	Complete	FY2019
WEDW	S	2.35	\$145,891.00	0.009%	Complete	FY2020
WPKT	S	15.27	\$164,010.00	0.061%	Complete	FY2018
WPWS	S	9.21	\$461,363.83	0.037%	Complete	FY2018
WPWS	S	18.65	\$2,041,529.00	0.075%	Complete	FY2020
WSHW	S	12.59	\$316,902.00	0.050%	Complete	FY2018
WSHW	S	4.5	\$581,276.00	0.018%	Complete	FY2020
SPSC	S	183.35	\$3,869,677.04	0.734%	Under Construction	FY2021
STRE	A	54.73	\$7,757,543.55	0.219%	Under Construction	FY2021
STRE	A	27.78	\$3,568,909.98	0.111%	Under Construction	FY2022
WEDW	S	2.67	\$32,298.10	0.011%	Under Construction	FY2021
WSHW	S	8.98	\$741,412.07	0.036%	Under Construction	FY2021
FBIO	S	7.35	\$956,379.64	0.029%	Planning	FY2023
FSND	S	6.44	\$447,847.11	0.026%	Planning	FY2021
FSND	S	25.94	\$1,572,082.44	0.104%	Planning	FY2024
GRNT		30	\$1,000,000.00	0.120%	Planning	FY2021
IBAS	S	6.39	\$657,263.47	0.026%	Planning	FY2022
IBAS	S	13.05	\$1,342,298.63	0.052%	Planning	FY2023
ITRN	S	2.64	\$655,832.01	0.011%	Planning	FY2021
ITRN	S	2.73	\$678,189.92	0.011%	Planning	FY2024
MIBR	S	4.86	\$1,046,609.81	0.019%	Planning	FY2024

MRNG	E	0.36	\$18,900.00	0.001%	Planning	FY2025
PWED	S	138.96	\$4,104,650.09	0.556%	Planning	FY2024
PWED	S	45.08	\$1,673,764.84	0.180%	Planning	FY2025
PWET	S	5.06	\$681,597.16	0.020%	Planning	FY2022
SEPC	A	67	\$1,708,000.00	0.268%	Planning	FY2021
SHST	A	211.1	\$3,410,819.70	0.845%	Planning	FY2021
SHST	A	19.65	\$3,599,807.31	0.079%	Planning	FY2023
SHST	A	119.52	\$3,016,832.84	0.478%	Planning	FY2024
SHST	A	40.07	\$4,705,639.67	0.160%	Planning	FY2025
SPSC	S	4.74	\$1,177,516.56	0.019%	Planning	FY2021
SPSC	S	17.79	\$2,049,907.04	0.071%	Planning	FY2022
SPSC	S	199.86	\$13,947,831.65	0.800%	Planning	FY2023
SPSC	S	43.2	\$3,015,926.84	0.173%	Planning	FY2024
SPSC	S	1.02	\$242,567.00	0.004%	Planning	FY2025
STRE	A	108.77	\$12,136,153.13	0.435%	Planning	FY2021
STRE	A	479.97	\$28,244,486.30	1.921%	Planning	FY2022
STRE	A	150.36	\$11,444,341.46	0.602%	Planning	FY2023
STRE	A	360.54	\$15,256,310.93	1.443%	Planning	FY2024
STRE	A	469.31	\$20,558,097.58	1.879%	Planning	FY2025
WEDW	S	9.25	\$130,953.64	0.037%	Planning	FY2022
WPWS	S	14.03	\$1,596,693.16	0.056%	Planning	FY2022
ESD	E	0.32	\$24,067.76	0.001%	Proposed	FY2023
GRNT		30	\$1,000,000.00	0.120%	Proposed	FY2022
GRNT		30	\$1,000,000.00	0.120%	Proposed	FY2023
GRNT		30	\$1,000,000.00	0.120%	Proposed	FY2024
GRNT		30	\$1,000,000.00	0.120%	Proposed	FY2025
IMPF	A	0.02	\$1,504.24	0.000%	Proposed	FY2023
MIBR	E	0.16	\$12,786.00	0.001%	Proposed	FY2023
PWET	S	10.38	\$2,254,612.01	0.042%	Proposed	FY2022
PWET	S	63.96	\$2,363,346.30	0.256%	Proposed	FY2023
SHST	A	45.88	\$531,808.00	0.184%	Proposed	FY2023
SHST	A	30.4	\$50,000.00	0.122%	Proposed	FY2024
SPSC	S	68.24	\$1,041,415.80	0.273%	Proposed	FY2023
STRE	A	111.06	\$16,637,063.38	0.445%	Proposed	FY2022

STRE	A	165	\$12,546,811.12	0.661%	Proposed	FY2023
STRE	A	388.95	\$22,878,306.90	1.557%	Proposed	FY2024
STRE	A	320.7	\$14,473,400.00	1.284%	Proposed	FY2025
WEDW	S	10.38	\$2,254,612.01	0.042%	Proposed	FY2022
WEDW	S	6.3	\$783,240.30	0.025%	Proposed	FY2023
WEDW	S	1.79	\$25,341.30	0.007%	Proposed	FY2025
Subtotal Capital Next Two Years (FY2021-FY2022)		1,403	\$92,013,197	5.6%		
Subtotal Capital Next Five Years (FY2021-FY2025)		4,226	\$236,925,456	16.9%		
Subtotal Capital All Years		7,698	\$313,506,150	30.8%		
Other						
APRP	E	5.39	\$0.00	0.022%	Complete	FY2017
FBIO	S	0.81	\$0.00	0.003%	Complete	FY2016
FBIO	S	0.27	\$0.00	0.001%	Complete	FY2017
IMPP	A	0.06	\$0.00	0.000%	Complete	FY2016
IMPP	A	0.2	\$0.00	0.001%	Complete	FY2017
MRNG	E	0.5	\$0.00	0.002%	Complete	FY2014
MRNG	E	0.06	\$0.00	0.000%	Complete	FY2017
MSGW	E	0.15	\$0.00	0.001%	Complete	FY2019
MSWB	E	8.06	\$0.00	0.032%	Complete	FY2015
MSWB	E	0.39	\$0.00	0.002%	Complete	FY2017
MSWG	E	0.08	\$0.00	0.000%	Complete	FY2017
OTH	S	0.94	\$0.00	0.004%	Complete	FY2018
SEPC	A	15.21	\$0.00	0.061%	Complete	FY2014
SEPC	A	12.48	\$0.00	0.050%	Complete	FY2015
SEPC	A	14.04	\$0.00	0.056%	Complete	FY2016
SEPC	A	18.72	\$0.00	0.075%	Complete	FY2017
SEPC	A	4.29	\$0.00	0.017%	Complete	FY2018
SEPC	A	13.65	\$0.00	0.055%	Complete	FY2019
SEPC	A	10.6	\$0.00	0.042%	Complete	FY2020
SEPD	A	27.3	\$0.00	0.109%	Complete	FY2014
SEPD	A	73.84	\$0.00	0.296%	Complete	FY2015

SEPD	A	61.62	\$0.00	0.247%	Complete	FY2016
SEPD	A	41.34	\$0.00	0.165%	Complete	FY2017
SEPD	A	43.68	\$0.00	0.175%	Complete	FY2018
SEPD	A	50.96	\$0.00	0.204%	Complete	FY2019
SEPD	A	46.5	\$0.00	0.186%	Complete	FY2020
SHST	A	4.28	\$0.00	0.017%	Complete	FY2012
SHST	A	113.92	\$0.00	0.456%	Complete	FY2014
SHST	A	93.37	\$0.00	0.374%	Complete	FY2015
SHST	A	215.14	\$0.00	0.861%	Complete	FY2016
SHST	A	100.78	\$0.00	0.403%	Complete	FY2017
SHST	A	29.6	\$0.00	0.118%	Complete	FY2018
SHST	A	34.48	\$0.00	0.138%	Complete	FY2019
SPSC	S	0.24	\$0.00	0.001%	Complete	FY2014
SPSC	S	3.27	\$0.00	0.013%	Complete	FY2015
SPSC	S	6.09	\$0.00	0.024%	Complete	FY2016
STRE	A	14	\$0.00	0.056%	Complete	FY2016
STRE	A	36.76	\$0.00	0.147%	Complete	FY2017
STRE	A	8.8	\$0.00	0.035%	Complete	FY2018
WEDW	S	0.67	\$0.00	0.003%	Complete	FY2019
WPKT	S	1.23	\$0.00	0.005%	Complete	FY2015
MSGW	E	1	\$0.00	0.004%	Under Construction	FY2021
SEPC	A	3.45	\$0.00	0.014%	Planning	FY2022
SEPC	A	3.45	\$0.00	0.014%	Planning	FY2023
SEPC	A	3.45	\$0.00	0.014%	Planning	FY2024
SEPC	A	3.45	\$0.00	0.014%	Planning	FY2025
SEPD	A	16	\$0.00	0.064%	Planning	FY2022
SEPD	A	16	\$0.00	0.064%	Planning	FY2023
SEPD	A	16	\$0.00	0.064%	Planning	FY2024
SEPD	A	16	\$0.00	0.064%	Planning	FY2025
SHST	A	100	\$0.00	0.400%	Planning	FY2023
STRE	A	20	\$0.00	0.080%	Planning	FY2024
SEPC	A	3.45	\$0.00	0.014%	Proposed	FY2021
SEPD	A	16	\$0.00	0.064%	Proposed	FY2021
SHST	A	17.44	\$0.00	0.070%	Proposed	FY2023

STRE	A	58	\$0.00	0.232%	Proposed	FY2023
Subtotal Other Next Two Years (FY2021-FY2022)		40	\$0	0.2%		
Subtotal Other Next Five Years (FY2021-FY2025)		294	\$0	1.2%		
Subtotal Other All Years		1,407	\$0	5.6%		
Total Next Two Years (FY2021-FY2022)		1,968	\$94,009,114	7.9%		
Total Next Five Years (FY2021-FY2025)		5,045	\$242,145,453	20.2%		
Total All Years		9,631	\$323,696,395	38.6%		

Check with MS4 Geodatabase:

Type, class, impervious acres, implementation cost and implementation status should match the various geodatabase tables for BMPs (AltBMPLine, AltBMPPoint, AltBMPPoly, 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.

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	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	\$1,785,736	\$395,345	\$397,016	\$408,927	\$421,194	\$433,830	\$446,845	\$4,288,893
Inlet Cleaning	\$2,264,205	\$524,962	\$586,194	\$603,780	\$621,894	\$640,550	\$659,767	\$5,901,352
Support of Capital Projects	\$57,912,737	\$11,620,396	\$12,655,090	\$12,834,815	\$13,080,468	\$13,330,331	\$13,585,286	\$135,019,123
Debt Service Payment	\$17,060,669	\$6,928,119	\$8,567,100	\$9,621,623	\$11,455,605	\$13,526,443	\$15,818,619	\$82,978,179
Other (General Fund Costs Attributed to WPRF in Prior years)*	\$6,706,100	-	-	-	-	-	-	\$6,706,100
Capital Expenditures (costs)								
General Fund (Paygo)								\$0
WPR Fund (Paygo)								\$0
Debt Service	\$ 80,779,000	\$ 26,132,000	\$ 25,000,000	\$ 33,000,000	\$ 36,000,000	\$ 39,000,000	\$ 45,000,000	\$284,911,000
Grants & Partnerships	\$4,457,431	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$10,457,431
Other (please stipulate capital expenditure)*	-	-	-	-	-	-	-	\$0
Subtotal Operation and Paygo:	\$85,729,447	\$19,468,822	\$22,205,400	\$23,469,145	\$25,579,161	\$27,931,155	\$30,510,517	\$234,893,648
Total Expenditures:	\$170,965,878	\$46,600,822	\$48,205,400	\$57,469,145	\$62,579,161	\$67,931,155	\$76,510,517	\$530,262,079

Total ISRP costs except debt service: **\$447,283,900**

Compare ISRP costs (except debt service) / total ISRP proposed actions: **138%**

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.

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	\$212,683,835	\$59,121,496	\$55,645,688	\$60,407,444	\$68,550,134	\$72,589,026	\$82,064,690	\$116,053,132	\$611,062,313
Annual Costs towards ISRP ³	\$170,965,878	\$46,600,822	\$48,205,400	\$57,469,145	\$62,579,161	\$67,931,155	\$76,510,517	\$105,674,545	\$530,262,079

Compare revenue appropriated / annual costs: 110%

WPRP 2020 Reporting Criteria: 100%

ISRP = Impervious Surface Restoration Program

Notes:

1. 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.
2. Revenue means "dedicated revenues, funds, or sources of funds (per Article 4-202.1(j)(4)(ii)).
3. See table of ISRP Cost.

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								
Stormwater Remediation Fees (WPR Fund)	\$ 116,656,619	\$ 23,506,597	\$ 23,569,400	\$ 23,979,080	\$ 25,429,136	\$ 26,968,832	\$ 28,600,446	\$ 128,546,893
Miscellaneous Fees (WPR Fund)								\$ -
General Fund	\$ 5,241,345	\$ 4,675,470	\$ 3,407,981	\$ -	\$ 3,598,830	\$ 3,016,833	\$ 4,705,640	\$ 14,729,284
Investment Income	\$ 2,110,537	\$ 842,790	\$ 807,100	\$ 838,364	\$ 842,169	\$ 833,362	\$ 808,605	\$ 4,129,600
Interfund Recoveries	\$ 3,925,684	\$ 1,093,932	\$ 770,000	\$ 990,000	\$ 1,080,000	\$ 1,170,000	\$ 1,350,000	\$ 5,360,000
Other Funds 3 (please stipulate funding source)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Subtotal Paygo Sources	\$ 127,934,185	\$ 30,118,789	\$ 28,554,481	\$ 25,807,444	\$ 30,950,134	\$ 31,989,026	\$ 35,464,690	\$ 152,765,776
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).								
County Transportation Bonds								\$ -
General Obligation Bonds								\$ -
Revenue (WPRF/BWPR) Bonds	\$ 80,779,000	\$ 26,132,000	\$ 25,000,000	\$ 33,000,000	\$ 36,000,000	\$ 39,000,000	\$ 45,000,000	\$ 178,000,000
State Revolving Loan Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Public-private partnership (debt service)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Subtotal Debt Service	\$ 80,779,000	\$ 26,132,000	\$ 25,000,000	\$ 33,000,000	\$ 36,000,000	\$ 39,000,000	\$ 45,000,000	\$ 178,000,000
Grants and Partnerships (no payment is expected)								
State funded grants	\$3,970,650	\$2,870,707	\$2,091,207	\$1,600,000	\$1,600,000	\$ 1,600,000	\$ 1,600,000	\$ 8,491,207
Federal funded grants								\$ -
Public-private partnership (matched grant)								\$ -
Subtotal Grants and Partnerships	\$ 3,970,650	\$ 2,870,707	\$ 2,091,207	\$ 1,600,000	\$ 1,600,000	\$ 1,600,000	\$ 1,600,000	\$ 8,491,207
Total Annual Sources of Funds	\$ 212,683,835	\$ 59,121,496	\$ 55,645,688	\$ 60,407,444	\$ 68,550,134	\$ 72,589,026	\$ 82,064,690	\$ 339,256,983
Percent of Funds Directed Toward ISRP								

Compare total permit term paygo ISRP costs / subtotal permit term paygo sources: 85%
Compare total permit term ISRP costs / total permit term annual sources of funds: 92%

* 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.

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: 24,981

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									
	VSS	A	275	0.55	6/30/2014	41,808.00	0.0%	Complete	FY2014
	VSS	A	2895	14.04	6/30/2015	167,914.00	0.1%	Complete	FY2015
	VSS	A	4908	122.676	6/30/2016	310,000.00	0.5%	Complete	FY2016 - Used for annual practice average credit
	VSS	A	7128	239.808	6/30/2017	437,012.80	1.0%	Complete	FY2017 - Used for annual practice average credit
	VSS	A	6779	144.32	6/30/2018	275,515.00	0.6%	Complete	FY2018 - Used for annual practice average credit
	VSS	A	6654	191.72	6/30/2019	401,932.00	0.8%	Complete	FY2019 - Maintenance of 4th Gen. MS4 Permit Credit
	VSS	A	6654	156.596	6/30/2020	395,345.00	0.6%	Complete	FY2020 - Maintenance of 4th Gen. MS4 Permit Credit
	CBC	A		0	6/30/2016	474,498.89	0.0%	Complete	FY2016
	CBC	A	241	96.476	6/30/2017	616,197.40	0.4%	Complete	FY2017 - Used for annual practice average credit
	CBC	A	108	43.132	6/30/2018	597,049.00	0.2%	Complete	FY2018 - Used for annual practice average credit
	CBC	A	289	115.456	6/30/2019	548,278.00	0.5%	Complete	FY2019 - Maintenance of 4th Gen. MS4 Permit Credit
	CBC	A	133	53.236	6/30/2020	589,889.00	0.2%	Complete	FY2020 - Maintenance of 4th Gen. MS4 Permit Credit
	SEPP	A	8287	248.6	6/30/2016	0.00	1.0%	Complete	FY2016 - Used for annual practice average credit
	SEPP	A	9417	282.5	6/30/2017	0.00	1.1%	Complete	FY2017 - Used for annual practice average credit
	SEPP	A	10994	329.8	6/30/2018	0.00	1.3%	Complete	FY2018 - Used for annual practice average credit
	SEPP	A	12910	387.3	6/30/2019	0.00	1.6%	Complete	FY2019 - Maintenance of 4th Gen. MS4 Permit Credit
	SEPP	A	15609	468.27	6/30/2020	0.00	1.9%	Complete	FY2020 - Maintenance of 4th Gen. MS4 Permit Credit
Average Operations Complete To Date ⁴			93,281	526		\$4,855,439	2.1%		
Capital Projects									
AA17RST000034	FBIO	S	1	3.78	2/1/2012	72,585	0.015%	Complete	Cypress Creek Park and Ride Bioretention
AA17RST000033	FBIO	S	1	0.46	2/1/2012	72,585	0.002%	Complete	Cypress Creek Recreation Bioretention

AA16RST000007	FBIO	S	1	0.58	12/1/2015	77,406	0.002%	Complete	Hillsmere - Beach Drive Kayak Area CPO / Bioretention
AA16RST000032	FBIO	S	1	2.53	4/19/2016	322,448	0.010%	Complete	Anne Arundel Community College Bioretention
AA16RST000033	FBIO	S	1	0.18	7/19/2016	134,477	0.001%	Complete	Grosvenor Lane Bioretention
AA17RST000028	FBIO	S	1	0.24	11/21/2016	161,026	0.001%	Complete	Dellwood Ct OtfI
AA18RST000020	FBIO	S	1	0.96	5/1/2018	377,100	0.004%	Complete	Twin Harbors Community Bioretention (Arnold/Magothy River)
AA18RST000013	FBIO	S	1	0.52	5/7/2019	181,434	0.002%	Complete	Key School
AA20RST000005	FBIO	S	1	0.55	5/26/2020	47,331	0.002%	Complete	Beechnut Kennels BMP
AA19APY000004	FPU	A	1	0.52	4/27/2019	72,948	0.002%	Complete	Ford Property Reforestation
AA20APY000002	FPU	A	1	1.01	12/23/2019	70,065	0.004%	Complete	8148 Jumpers Hole RD Reforestation
AA17RST000027	FSND	S	1	0.31	1/2/2017	161,026	0.001%	Complete	Dellwood Ct OtfI
AA18RST000012	FSND	S	1	3.06	5/7/2019	222,227	0.012%	Complete	Key School
AA16RST000011	IBAS	S	1	1.75	7/11/2016	287,557	0.007%	Complete	Gapgallion
AA16RST000020	IBAS	S	1	2.24	7/11/2016	210,217	0.009%	Complete	Merriweather #2
AA16RST000045	IBAS	S	1	4.46	11/22/2016	187,063	0.018%	Complete	Wellham Heights
AA16RST000041	IBAS	S	1	7.30	1/6/2017	285,766	0.029%	Complete	Ferndale Farms
AA16RST000037	IBAS	S	1	5.60	3/10/2017	471,842	0.022%	Complete	Linthicum Oaks #2
AA16RST000068	IBAS	S	1	6.47	4/28/2017	370,778	0.026%	Complete	Bodkin Creek Public Pnds Ph1
AA17RST000023	IBAS	S	1	27.23	4/27/2018	288,978	0.109%	Complete	Sawmill Crk Hollins Ferry Rd
AA16RST000042	IBAS	S	1	7.78	6/25/2018	359,070	0.031%	Complete	Patapsco Tdl Public Pnds Ph1
AA18RST000003	IBAS	S	1	3.53	9/17/2019	304,717	0.014%	Complete	Captains Walk
AA16RST000047	IBAS	S	1	3.68	11/25/2019	427,956	0.015%	Complete	Patapsco Nontidal Public Ponds Ph 6 Stormwater Retrofit
AA19APY000003	IMPF	A	1	0.12	4/27/2019	50,903	0.000%	Complete	Ford Property Impervious Removal
AA20APY000003	IMPF	A	1	0.04	12/1/2019	14,689	0.000%	Complete	8148 Jumpers Hole RD Impervious Surface Removal
AA14APY000001	IMPP	A	1	0.09	6/30/2014	189,350	0.000%	Complete	PEKIN ROAD IMPERVIOUS SURFACE REMOVAL
AA20APY000001	IMPP	A	1	0.02	2/5/2020	799,889	0.000%	Complete	Chestnut Hill Avenue Impervious Surface Removal
AA17RST000029	ITRN	S	1	0.22	3/7/2017	161,026	0.001%	Complete	Dellwood Ct OtfI
AA20RST000011	ITRN	S	1	0.15	4/23/2018	89,664	0.001%	Complete	14 Linda Ln
AA18RST000004	ITRN	S	1	4.90	6/15/2018	544,328	0.020%	Complete	HSIA Stormater BMP
AA19RST000006	ITRN	S	1	0.71	11/26/2019	1,468	0.003%	Complete	Broad Creek Health Dept gully Phase II
AA17RST000015	MRNG	E	1	0.19	12/1/2014	23,387	0.001%	Complete	Round Bay Community- Randell Road: Stormwater Mitigation Project
AA17RST000012	MRNG	E	1	0.26	7/1/2016	14,360	0.001%	Complete	Empowering Believers Rain Garden 6

AA17RST000014	MRNG	E	1	0.26	7/1/2016	14,360	0.001%	Complete	Empowering Believers Rain Garden 1
AA17RST000013	MRNG	E	1	0.51	7/1/2016	14,360	0.002%	Complete	Empowering Believers Rain Garden 2
AA17RST000019	MRNG	E	1	0.42	3/1/2017	15,000	0.002%	Complete	St. Anne's School of Annapolis Rain Garden
AA17RST000020	MSWB	E	1	0.61	8/17/2016	45,000	0.002%	Complete	Avalon Shores Fire Department Stormwater Wetland
AA18RST000042	MSWB	E	1	1.22	4/22/2019	7,842	0.005%	Complete	Berrywood Community Cattail Creek Restoration
AA20APY000688	OTH	A	1	3.33	6/30/2020	4,950	0.013%	Complete	Aquaculture Nutrient Credit Trading
AA16ALN000027	OUT	A	1	2.00	10/2/2013	60,360	0.008%	Complete	Tam Glade
AA15ALN000014	OUT	A	1	1.42	4/1/2015	288,978	0.006%	Complete	Southdown Shores Outfall Stabilization 3
AA15ALN000012	OUT	A	1	2.00	4/1/2015	121,366	0.008%	Complete	Southdown Shores Outfall Stabilization 1
AA15ALN000015	OUT	A	1	0.41	4/1/2015	396,280	0.002%	Complete	Southdown Shores Outfall Stabilization 4
AA15ALN000013	OUT	A	1	0.97	4/1/2015	316,902	0.004%	Complete	Southdown Shores Outfall Stabilization 2
AA16ALN000025	OUT	A	1	0.25	2/4/2016	40,480	0.001%	Complete	Seaborne Dr.
AA16ALN000023	OUT	A	1	0.30	3/26/2016	45,260	0.001%	Complete	1069 Locust Drive Outfall
AA16ALN000026	OUT	A	1	0.40	3/29/2016	16,060	0.002%	Complete	Arundel Ave.
AA16ALN000024	OUT	A	1	0.50	4/28/2016	12,320	0.002%	Complete	Puffin Ct
AA17ALN000015	OUT	A	1	0.90	3/22/2017	63,070	0.004%	Complete	WOODLAND MANOR DR
AA17ALN000012	OUT	A	1	0.70	5/3/2017	41,875	0.003%	Complete	Old Mill Rd at Patriot Ln
AA17ALN000014	OUT	A	1	0.50	5/18/2017	44,425	0.002%	Complete	Monaghan_7764
AA17ALN000013	OUT	A	1	0.40	6/20/2017	64,238	0.002%	Complete	680 209th St
AA18ALN000032	OUT	A	1	0.15	2/7/2018	25,591	0.001%	Complete	Sunrise Beach Rd
AA18ALN000033	OUT	A	1	0.50	2/22/2018	43,212	0.002%	Complete	756 N Mesa Rd
AA18ALN000034	OUT	A	1	0.20	2/28/2018	17,998	0.001%	Complete	Hawkins Rd
AA18ALN000035	OUT	A	1	0.95	3/1/2018	167,556	0.004%	Complete	Veterans Hwy @ Benfield
AA18ALN000036	OUT	A	1	0.30	3/26/2018	51,053	0.001%	Complete	Rutland Rd
AA18ALN000037	OUT	A	1	0.60	4/15/2018	171,934	0.002%	Complete	471 Blackshire Rd
AA18ALN000039	OUT	A	1	0.05	4/19/2018	72,492	0.000%	Complete	Steffey Dr 100
AA18ALN000038	OUT	A	1	0.60	4/19/2018	48,315	0.002%	Complete	Columbine Ct
AA18ALN000040	OUT	A	1	0.10	4/27/2018	59,902	0.000%	Complete	Polling House Rd 775
AA18ALN000041	OUT	A	1	0.35	5/15/2018	263,748	0.001%	Complete	1280 Rockhill Rd
AA18ALN000023	OUT	A	1	1.20	6/30/2018	33,950	0.005%	Complete	Bacon Ridge Groundwater Recharge Micro-BMP: Category 2
AA18ALN000024	OUT	A	1	0.80	6/30/2018	33,950	0.003%	Complete	Bacon Ridge Groundwater Recharge Micro-BMP: Category 2

AA19ALN000009	OUT	A	1	0.20	7/20/2018	249,878	0.001%	Complete	River Rd
AA19ALN000044	OUT	A	1	0.50	7/25/2018	61,390	0.002%	Complete	Starwood Dr
AA19ALN000052	OUT	A	1	0.36	7/30/2018	50,757	0.001%	Complete	Patuxent River Rd/Southern
AA19ALN000010	OUT	A	1	0.25	8/7/2018	23,948	0.001%	Complete	Sutterton Ct 844
AA19ALN000011	OUT	A	1	1.00	8/20/2018	321,820	0.004%	Complete	River Rd
AA19ALN000012	OUT	A	1	0.20	8/23/2018	24,087	0.001%	Complete	Dividing Rd
AA19ALN000054	OUT	A	1	0.80	8/27/2018	50,914	0.003%	Complete	Evergreen Rd
AA19ALN000049	OUT	A	1	0.50	8/28/2018	8,079	0.002%	Complete	Santa Maria Ln 691
AA19ALN000013	OUT	A	1	0.20	8/28/2018	199,110	0.001%	Complete	Patuxent River Rd
AA19ALN000014	OUT	A	1	0.30	8/28/2018	68,755	0.001%	Complete	Pindell Rd
AA19ALN000015	OUT	A	1	2.00	9/13/2018	42,824	0.008%	Complete	Mulberry Rd
AA19ALN000016	OUT	A	1	0.90	9/18/2018	90,944	0.004%	Complete	Coachway 858
AA19ALN000017	OUT	A	1	0.30	11/21/2018	182,147	0.001%	Complete	Upper Pindell Rd 1050
AA19ALN000018	OUT	A	1	0.72	11/26/2018	583,869	0.003%	Complete	8289 Elvaton Rd
AA19ALN000041	OUT	A	1	1.57	2/6/2019	102,398	0.006%	Complete	Cool Pond Park SPSC - Outfall Q130022
AA19ALN000050	OUT	A	1	0.50	2/6/2019	5,314	0.002%	Complete	Saint Marks Dr 1800
AA19ALN000045	OUT	A	1	0.15	2/12/2019	23,329	0.001%	Complete	River Rd_1201
AA19ALN000040	OUT	A	1	2.00	3/5/2019	108,668	0.008%	Complete	Asbury Broadneck United Methodist Church SPSC
AA19ALN000047	OUT	A	1	0.10	3/14/2019	9,622	0.000%	Complete	Upton Scott Way 1602 (Phase 3)
AA19ALN000046	OUT	A	1	0.15	4/4/2019	72,756	0.001%	Complete	Via Amorosa 987
AA19ALN000056	OUT	A	1	0.10	4/10/2019	10,167	0.000%	Complete	Long Meadow Way_300
AA19ALN000053	OUT	A	1	1.50	4/22/2019	52,134	0.006%	Complete	Atwell Rd 4824
AA19ALN000055	OUT	A	1	0.20	4/22/2019	25,619	0.001%	Complete	Olympia Rd 3484
AA19ALN000048	OUT	A	1	0.25	4/30/2019	16,266	0.001%	Complete	Tanager Dr 1186
AA19ALN000024	OUT	A	1	0.71	7/3/2019	61,016	0.003%	Complete	Barrensdale Outfall Restoration
AA20ALN000019	OUT	A	1	0.15	9/9/2019	26,068	0.001%	Complete	Patuxent River Rd 3673
AA20ALN000020	OUT	A	1	0.15	9/23/2019	22,610	0.001%	Complete	Ohio Ave 7166
AA20ALN000021	OUT	A	1	0.30	10/15/2019	17,648	0.001%	Complete	Arbutus Rd
AA20ALN000022	OUT	A	1	0.25	10/23/2019	12,375	0.001%	Complete	Stuart Rd
AA20ALN000023	OUT	A	1	0.15	1/13/2020	84,218	0.001%	Complete	Old Dorsey Rd
AA20ALN000024	OUT	A	1	0.80	3/20/2020	22,364	0.003%	Complete	Lake View Dr/Pinecrest Dr

AA20ALN000025	OUT	A	1	0.50	3/31/2020	25,632	0.002%	Complete	Old Solomons Island Rd
AA20ALN000026	OUT	A	1	0.30	4/7/2020	25,842	0.001%	Complete	Master Derby Ct 405
AA20ALN000027	OUT	A	1	0.90	4/9/2020	62,394	0.004%	Complete	Race Rd Park Cir Dr Ph1
AA20ALN000028	OUT	A	1	0.60	4/20/2020	26,376	0.002%	Complete	Waters Ridge Ct 1601
AA20ALN000029	OUT	A	1	0.60	4/22/2020	22,558	0.002%	Complete	Lower Pindell Rd 931
AA20ALN000030	OUT	A	1	0.30	4/27/2020	83,565	0.001%	Complete	Patuxent River Rd
AA20ALN000031	OUT	A	1	0.40	4/29/2020	63,876	0.002%	Complete	Likes Rd 122
AA20ALN000032	OUT	A	1	0.15	5/18/2020	50,616	0.001%	Complete	Cardamon Dr 145
AA20ALN000033	OUT	A	1	0.20	5/28/2020	62,844	0.001%	Complete	Chapelgate Dr 601 Phase 3
AA20ALN000034	OUT	A	1	0.50	6/16/2020	36,345	0.002%	Complete	Severn Way Boat ramp Ph 3
AA16RST000029	PMED	S	1	4.93	1/20/2017	470,471	0.020%	Complete	Laurel Highlands
AA16RST000013	PMPS	S	1	3.43	5/30/2017	348,494	0.014%	Complete	Saint Andrews United Methodist Church
AA17RST000026	PWED	S	1	3.36	7/30/2016	249,583	0.013%	Complete	Fairfield Dr Ofl & BMP Retro
AA16RST000055	PWED	S	1	8.97	7/5/2017	480,151	0.036%	Complete	Patapsco Tdl Public Pnds Ph5
AA16RST000039	PWED	S	1	33.39	9/15/2017	799,634	0.134%	Complete	Annapolis Harbour Ctr Pd Retf
AA16RST000054	PWED	S	1	13.65	11/2/2017	399,659	0.055%	Complete	Patapsco Tdl Public Pds Ph6
AA18RST000053	PWED	S	1	49.78	6/30/2018	150,473	0.199%	Complete	Seven Oaks BMP 341 Pond Conversion
AA16RST000044	PWED	S	1	4.52	9/7/2018	417,136	0.018%	Complete	Patapsco Tdl Public Pnds Ph1
AA16RST000043	PWED	S	1	13.71	10/26/2018	596,701	0.055%	Complete	Patapsco Tdl Public Pnds Ph1
AA16RST000053	PWED	S	1	4.95	10/29/2018	386,714	0.020%	Complete	Windermere Estates / Section 2
AA16RST000066	PWED	S	1	14.83	6/1/2019	425,326	0.059%	Complete	Ridge Commons/ Lots 1-25
AA19RST000025	PWED	S	1	5.43	7/30/2019	177,350	0.022%	Complete	Central Services Garage Pond 4098 Opti Upgrade
AA19RST000026	PWED	S	1	112.60	8/1/2019	177,350	0.451%	Complete	South River Colony Pond 4063 Opti Upgrade
AA17RST000035	PWET	S	1	10.91	8/13/2013	324,787	0.044%	Complete	Peach Orchard SWM Retrofit
AA14RST000106	PWET	S	1	2.79	11/26/2014	125,876	0.011%	Complete	Mansion House Manor
AA14RST000105	PWET	S	1	2.35	11/26/2014	169,484	0.009%	Complete	Collington Off Jones Station
AA14RST000103	PWET	S	1	3.28	11/26/2014	45,084	0.013%	Complete	Berrywood Acres
AA14RST000107	PWET	S	1	2.56	11/26/2014	120,707	0.010%	Complete	Woodbridge Forest
AA14RST000098	PWET	S	1	1.70	11/26/2014	141,231	0.007%	Complete	Brittingham/Section 3
AA14RST000102	PWET	S	1	3.68	11/26/2014	76,182	0.015%	Complete	Kilmarnock Woods
AA14RST000101	PWET	S	1	2.23	11/26/2014	76,083	0.009%	Complete	Earleigh Heights Road

AA14RST000100	PWET	S	1	1.05	11/26/2014	128,675	0.004%	Complete	Brittingham II
AA15RST000097	PWET	S	1	4.78	12/3/2014	466,035	0.019%	Complete	Weathersfield
AA15RST000096	PWET	S	1	2.52	4/10/2015	31,225	0.010%	Complete	Brittingham I
AA15RST000089	PWET	S	1	6.16	4/10/2015	75,732	0.025%	Complete	Raintree Sec. 1
AA15RST000088	PWET	S	1	0.61	4/10/2015	27,832	0.002%	Complete	Grace Property/ Lots 1-5
AA15RST000087	PWET	S	1	0.83	4/10/2015	61,594	0.003%	Complete	Severndale Ground Storage Tank
AA15RST000085	PWET	S	1	5.17	4/10/2015	101,345	0.021%	Complete	B & A Trail Phase III
AA15RST000086	PWET	S	1	3.99	4/10/2015	51,029	0.016%	Complete	Berrywood West
AA16RST000023	PWET	S	1	3.06	8/16/2015	393,876	0.012%	Complete	Shipleigh-Fairmount/ 253-42
AA16RST000031	PWET	S	1	12.84	3/28/2016	429,619	0.051%	Complete	Anne Arundel Community College
AA16RST000012	PWET	S	1	0.92	5/10/2016	101,784	0.004%	Complete	Saint Joseph's Church
AA16RST000025	PWET	S	1	3.25	6/30/2016	371,031	0.013%	Complete	Wicklow Woods
AA16RST000024	PWET	S	1	3.66	7/11/2016	226,548	0.015%	Complete	Severn Hills
AA16RST000027	PWET	S	1	1.19	7/19/2016	84,856	0.005%	Complete	Chelsea Beach Lots 405A-405D
AA16RST000017	PWET	S	1	3.01	7/19/2016	315,316	0.012%	Complete	Chesterfield 4-1/ Phase E 4
AA15RST000094	PWET	S	1	1.11	7/19/2016	236,998	0.004%	Complete	Chelsea Beach
AA16RST000018	PWET	S	1	11.80	7/19/2016	230,836	0.047%	Complete	Deerfield
AA16RST000038	PWET	S	1	4.23	7/19/2016	339,092	0.017%	Complete	Hardesty Estates/ Section 6
AA15RST000091	PWET	S	1	0.96	7/19/2016	87,031	0.004%	Complete	Westridge Addition
AA16RST000028	PWET	S	1	2.50	8/3/2016	103,999	0.010%	Complete	Loch Haven Manor Lots 1-17
AA15RST000095	PWET	S	1	2.98	8/3/2016	111,847	0.012%	Complete	Coxby's Estates Section 3
AA15RST000090	PWET	S	1	1.20	8/3/2016	73,539	0.005%	Complete	Old Annapolis Neck
AA16RST000070	PWET	S	1	15.58	8/3/2016	400,681	0.062%	Complete	Courts of Four Seasons
AA16RST000014	PWET	S	1	2.92	8/15/2016	367,340	0.012%	Complete	Inverness Woods
AA15RST000093	PWET	S	1	1.58	8/15/2016	54,234	0.006%	Complete	Western Dist. Police Station
AA16RST000026	PWET	S	1	1.36	10/19/2016	157,043	0.005%	Complete	Shipleigh-Fairmount/ 253-42
AA16RST000071	PWET	S	1	1.82	10/19/2016	322,362	0.007%	Complete	Garland Park
AA17RST000025	PWET	S	1	4.46	10/24/2016	312,398	0.018%	Complete	Sappington Hill
AA16RST000010	PWET	S	1	0.36	3/27/2017	76,077	0.001%	Complete	Crofton South
AA16RST000015	PWET	S	1	1.56	3/27/2017	123,547	0.006%	Complete	Kellwood Estates
AA16RST000035	PWET	S	1	37.06	4/28/2017	754,381	0.148%	Complete	Annapolis Landing

AA16RST000052	PWET	S	1	2.48	5/10/2017	120,100	0.010%	Complete	Bodkin Creek Public Pnds Ph1
AA16RST000030	PWET	S	1	0.38	10/13/2017	201,415	0.002%	Complete	Wise Metals
AA16RST000034	PWET	S	1	0.77	10/16/2017	111,689	0.003%	Complete	Sun Valley Apartments
AA16RST000021	PWET	S	1	1.25	11/13/2017	70,437	0.005%	Complete	Sturbridge #3
AA16RST000019	PWET	S	1	1.66	11/13/2017	122,002	0.007%	Complete	Glen Eden
AA16RST000022	PWET	S	1	0.77	11/13/2017	97,872	0.003%	Complete	Sturbridge #4
AA18RST000036	PWET	S	1	0.26	7/1/2018	30,000	0.001%	Complete	United Church of Christ Pond Retrofit
AA18RST000011	PWET	S	1	31.14	7/20/2018	778,493	0.125%	Complete	AJC Garfunkel Pond
AA18RST000005	PWET	S	1	24.12	8/31/2018	502,220	0.097%	Complete	Walmart Arundel Mills Pond Retrofit
AA16RST000074	PWET	S	1	14.40	11/30/2018	850,547	0.058%	Complete	Bay Green Drive Pond
AA18RST000010	PWET	S	1	63.88	12/10/2018	825,563	0.256%	Complete	Arundel Mills Limited Partnership Pond
AA18RST000019	PWET	S	1	8.20	12/1/2019	613,991	0.033%	Complete	Sappington Hill Pond Retrofit
AA15ALN000008	SHST	A	1	17.60	6/1/2015	318,000	0.070%	Complete	Pines on the Severn Living Shoreline
AA16ALN000018	SHST	A	1	6.68	9/15/2015	9,000	0.027%	Complete	Tomkies Living Shoreline
AA16ALN000019	SHST	A	1	7.20	9/30/2015	5,000	0.029%	Complete	Twin Harbors Living Shoreline
AA16ALN000009	SHST	A	1	7.48	12/7/2015	516,934	0.030%	Complete	Quiet Waters Shoreline Protection
AA17ALN000059	SHST	A	1	83.09	1/1/2017	772,055	0.333%	Complete	Thomas Point Living Shoreline
AA17ALN000003	SHST	A	1	19.48	4/12/2017	429,200	0.078%	Complete	Brewers Pond Shoreline Protection
AA18ALN000004	SHST	A	1	0.54	1/30/2018	150,349	0.002%	Complete	Stony Crk Otrl Locust Dr
AA18ALN000013	SHST	A	1	6.60	1/9/2019	42,492	0.026%	Complete	Berrywood Community Cattail Creek Restoration
AA18ALN000011	SHST	A	1	120.33	9/20/2019	86,665	0.482%	Complete	Turnbull Estates Shoreline Project
AA17ALN000018	SHST	A	1	87.51	11/27/2019	2,233,476	0.350%	Complete	Fort Smallwood Shoreline Protection: Reach 3, Stone breakwater beach nourishment
AA18ALN000003	SHST	A	1	466.41	12/2/2019	1,990,868	1.867%	Complete	Jack Creek Park Phase II Shoreline Stabilization
AA18ALN000012	SHST	A	1	126.73	2/28/2020	363,964	0.507%	Complete	Kyle Point Living Shoreline
AA17RST000049	SPSC	S	1	3.80	7/25/2013	267,992	0.015%	Complete	Dunkeld Manor SWM Retrofit
AA17RST000051	SPSC	S	1	3.02	6/30/2014	114,083	0.012%	Complete	Windswept Estates Pond Retrofit
AA14RST000099	SPSC	S	1	0.12	11/26/2014	81,603	0.000%	Complete	part of 24
AA14RST000108	SPSC	S	1	0.12	11/26/2014	1,559	0.000%	Complete	part of 2478
AA15RST000101	SPSC	S	1	0.59	4/1/2015	482,816	0.002%	Complete	Old Bay Ridge Rd/Abandoned RR Embankment Sinkhole
AA15RST000102	SPSC	S	1	7.93	6/24/2015	385,001	0.032%	Complete	Olde Severna Park Outfall Retrofit Birch Court

AA16RST000093	SPSC	S	1	1.04	10/13/2015	55,494	0.004%	Complete	Camp Woodlands Pre-Treatment
AA16RST000088	SPSC	S	1	1.61	11/6/2015	384,849	0.006%	Complete	Buttonwood Trail OtfI
AA16RST000090	SPSC	S	1	0.87	2/16/2016	360,492	0.003%	Complete	Picture Springs Branch OtfI
AA16RST000016	SPSC	S	1	14.64	2/17/2016	328,074	0.059%	Complete	Hospital Dr. Pond 3 Retrofit
AA16RST000089	SPSC	S	1	2.46	3/4/2016	742,449	0.010%	Complete	Cinnamon Lane OtfI
AA16RST000094	SPSC	S	1	7.85	6/30/2016	100,000	0.031%	Complete	Annapolis Harbour Center SPSC
AA15RST000098	SPSC	S	1	19.12	8/3/2016	249,994	0.077%	Complete	Denington Lane Outfall
AA15RST000092	SPSC	S	1	2.58	8/3/2016	160,093	0.010%	Complete	1510 Knollwood Road
AA16RST000072	SPSC	S	1	2.98	12/9/2016	310,117	0.012%	Complete	Oakleaf Villa I
AA17RST000017	SPSC	S	1	0.26	1/1/2017	55,255	0.001%	Complete	Bonaparte Rd Bioswale and CPO Project
AA17RST000016	SPSC	S	1	0.43	3/1/2017	102,390	0.002%	Complete	Coventry Court Dry Channel RSC- Category 2
AA16RST000086	SPSC	S	1	8.62	4/15/2017	485,312	0.035%	Complete	Pinewood Rd Sd(D537923-Design)
AA16RST000082	SPSC	S	1	3.91	5/9/2017	524,579	0.016%	Complete	Hospital Drive Extension
AA17RST000050	SPSC	S	1	4.21	7/16/2017	425,189	0.017%	Complete	Grays Luck SWMP Retrofit
AA16RST000085	SPSC	S	1	2.09	9/1/2017	201,549	0.008%	Complete	Wil-o-Brook Drive
AA17RST000018	SPSC	S	1	1.44	11/29/2017	299,953	0.006%	Complete	Winchester on the Severn Dry Channel RSC
AA16RST000058	SPSC	S	1	4.69	12/8/2017	559,093	0.019%	Complete	Briarwood
AA16RST000056	SPSC	S	1	3.68	2/21/2018	830,487	0.015%	Complete	Lp-Pc Public Ponds
AA16RST000046	SPSC	S	1	1.47	2/28/2018	308,777	0.006%	Complete	Bodkin Creek Public Pnds Ph3
AA18RST000024	SPSC	S	1	5.35	5/1/2018	198,950	0.021%	Complete	Killarney House & Neighbors Beards Creek Community BMPs
AA18RST000021	SPSC	S	1	0.59	5/15/2018	100,000	0.002%	Complete	Broad Creek Health Dept gully - Trib 4-8
AA18RST000007	SPSC	S	1	2.07	7/16/2018	634,392	0.008%	Complete	MR-OF-04 Retro/Shopping Center Outfall (Cape St. Clair)
AA16RST000087	SPSC	S	1	2.89	10/11/2018	825,901	0.012%	Complete	Cape St Claire Fire Station SPSC
AA16RST000083	SPSC	S	1	15.89	11/30/2018	938,555	0.064%	Complete	Bay Green Drive SPSC
AA18RST000009	SPSC	S	1	2.89	1/10/2019	483,725	0.012%	Complete	MR-OF-04 Retro/Delso Court
AA18RST000044	SPSC	S	1	0.51	3/5/2019	27,829	0.002%	Complete	Asbury Broadneck United Methodist Church SPSC
AA18RST000006	SPSC	S	1	1.84	3/11/2019	414,061	0.007%	Complete	Woods Landing Outfall SPSC - X16O009
AA19RST000002	SPSC	S	1	11.06	7/3/2019	950,481	0.044%	Complete	Barrensdale Outfall Restoration
AA19RST000005	SPSC	S	1	178.55	11/26/2019	369,278	0.715%	Complete	Broad Creek Health Dept gully Phase II
AA20RST000012	SPSC	S	1	0.71	12/15/2019	14,044	0.003%	Complete	Heilman Property SPSC
AA18RST000008	SPSC	S	1	3.64	3/17/2020	366,282	0.015%	Complete	Cape St Claire Outfall SPSC - W15O010

AA20RST000004	SPSC	S	1	7.21	5/19/2020	161,544	0.029%	Complete	Circle Drive Dry Channel RSC
AA14ALN000003	STRE	A	1	20.30	3/14/2013	687,600	0.081%	Complete	Cypress Creek Stream Restoration
AA18ALN000020	STRE	A	1	60.00	8/20/2014	67,901	0.240%	Complete	Bacon Ridge Stream Restoration 1
AA16ALN000014	STRE	A	1	22.00	10/28/2014	150,000	0.088%	Complete	Church Creek Wetland
AA15ALN000004	STRE	A	1	4.50	11/1/2014	277,679	0.018%	Complete	Buena Vista Outfall Restoration Phase 2
AA16ALN000013	STRE	A	1	12.74	11/4/2014	375,000	0.051%	Complete	Poplar Point Wetland (Church Creek Gully)
AA14ALN000001	STRE	A	1	10.00	12/9/2014	371,573	0.040%	Complete	Haskell Drive Stream Restoration
AA14ALN000002	STRE	A	1	10.00	12/11/2014	504,240	0.040%	Complete	Forest Drive Stream Restoration
AA15ALN000002	STRE	A	1	5.00	3/24/2015	312,335	0.020%	Complete	Leeds Road
AA15ALN000003	STRE	A	1	5.86	4/1/2015	164,010	0.023%	Complete	South Down Shores Stream Restoration
AA16ALN000007	STRE	A	1	6.00	12/20/2015	258,343	0.024%	Complete	Duvall Creek Outfall Retrofit
AA16ALN000022	STRE	A	1	16.54	3/1/2016	595,477	0.066%	Complete	Cell 9 stream restoration
AA16ALN000005	STRE	A	1	22.16	5/4/2016	1,151,237	0.089%	Complete	Warehouse Creek Otfi Retrofit
AA16ALN000006	STRE	A	1	20.00	7/1/2016	430,251	0.080%	Complete	Dividing Creek Strm Rstn
AA16ALN000021	STRE	A	1	74.24	11/28/2016	1,000,000	0.297%	Complete	North Branch Muddy Creek
AA17ALN000006	STRE	A	1	3.00	2/21/2017	336,490	0.012%	Complete	Four Seasons stream repair
AA18ALN000008	STRE	A	1	11.03	9/10/2018	397,610	0.044%	Complete	Cowhide Branch Lower Stream Restoration
AA18ALN000028	STRE	A	1	8.00	10/1/2018	3,063,022	0.032%	Complete	Rutland Road Fish Passage
AA18ALN000014	STRE	A	1	47.41	1/9/2019	305,215	0.190%	Complete	Berrywood Community Cattail Creek Restoration
AA19ALN000004	STRE	A	1	160.03	3/4/2019	67,901	0.641%	Complete	Bacon Ridge Stream Restoration 2
AA18ALN000017	STRE	A	1	322.62	4/5/2019	1,679,306	1.291%	Complete	Marley Creek - Oakview Village
AA17ALN000011	STRE	A	1	64.99	12/18/2019	1,883,955	0.260%	Complete	MR-Cat Branch Stream Restoration
AA17ALN000009	STRE	A	1	146.12	3/27/2020	4,371,049	0.585%	Complete	Pt Furnace Crk Str Rstn Ph2
AA18ALN000006	STRE	A	1	88.66	6/18/2020	520,158	0.355%	Complete	UPAX-Mount Airy Court
AA19ALN000006	STRE	A	1	76.45	6/24/2020	165,704	0.306%	Complete	Gravelly "Grand Canyon" Stream Restoration Project
AA21ALN000002	STRE	A	1	107.60	6/25/2020	212,783	0.431%	Complete	Gravelly "Grand Canyon" Stream Restoration Project
AA16RST000036	WEDW	S	1	14.06	10/22/2016	455,727	0.056%	Complete	Linthicum Oaks #1
AA16RST000040	WEDW	S	1	3.85	1/6/2017	776,740	0.015%	Complete	Valentine Creek
AA16RST000067	WEDW	S	1	13.05	1/31/2017	589,841	0.052%	Complete	New Cut Farms
AA16RST000051	WEDW	S	1	5.30	12/15/2017	378,294	0.021%	Complete	Bodkin Creek Public Pnds Ph3
AA16RST000048	WEDW	S	1	4.63	1/11/2018	396,280	0.019%	Complete	Outing Glen

AA19RST000016	WEDW	S	1	1.44	5/3/2019	89,664	0.006%	Complete	Broadneck Park - Wetland
AA16RST000061	WEDW	S	1	26.63	5/24/2019	763,751	0.107%	Complete	Patapsco Non-Tidal Public Pds Ph1
AA18RST000002	WEDW	S	1	2.35	12/18/2019	145,891	0.009%	Complete	Cat Branch Outfalls Retrofit
AA18RST000034	WPKT	S	1	15.27	4/9/2018	164,010	0.061%	Complete	TriState Marine Stormwater Retrofit System
AA16RST000050	WPWS	S	1	9.21	10/31/2017	461,364	0.037%	Complete	Bodkin Creek Public Pnds Ph3
AA17RST000010	WPWS	S	1	18.65	9/5/2019	2,041,529	0.075%	Complete	Mill Race Pond Retrofit
AA18RST000001	WSHW	S	1	12.59	2/26/2018	316,902	0.050%	Complete	Jabez SWM BMP 33
AA16RST000062	WSHW	S	1	4.50	8/28/2019	581,276	0.018%	Complete	Fairbanks Dr Pond Retrofit
Subtotal Capital Complete To Date			257	3,472		\$76,580,694	13.9%		
							0.000%		
AA16RST000081	APRP	E	1	0.33	9/1/2016	\$0	0.001%	Complete	Northrup Grumman pervious pavement - 2
AA17RST000030	APRP	E	1	1.52	9/1/2016	\$0	0.006%	Complete	Northrup Grumman pervious pavement - 3A-1
AA16RST000080	APRP	E	1	1.38	9/1/2016	\$0	0.006%	Complete	Northrup Grumman pervious pavement - 3B
AA16RST000078	APRP	E	1	0.82	9/1/2016	\$0	0.003%	Complete	Northrup Grumman pervious pavement - 1
AA16RST000079	APRP	E	1	1.26	9/1/2016	\$0	0.005%	Complete	Northrup Grumman pervious pavement - 3A-2
AA18RST000052	APRP	E	1	0.08	5/1/2017	\$0	0.000%	Complete	Edgewater Beach Permeable Paving
AA16RST000006	FBIO	S	1	0.46	12/2/2015	\$0	0.002%	Complete	Hillsmere Community Pool Bioretention
AA18RST000025	FBIO	S	1	0.07	4/1/2016	\$0	0.000%	Complete	Sylvan Shores Stormwater Infrastructure Upgrade - System B, Bioretention 1
AA18RST000026	FBIO	S	1	0.13	4/1/2016	\$0	0.001%	Complete	Sylvan Shores Stormwater Infrastructure Upgrade - System B, Bioretention 2
AA18RST000027	FBIO	S	1	0.16	4/1/2016	\$0	0.001%	Complete	Sylvan Shores Stormwater Infrastructure Upgrade - System B, Bioretention 3
AA18RST000035	FBIO	S	1	0.27	5/1/2017	\$0	0.001%	Complete	Wee Lad & Lassie Early Learning Center Rain Garden
AA17APY000477	IMPP	A	1	0.06	6/30/2016	\$0	0.000%	Complete	Avalon Shores Fire Department Stormwater Wetland
AA18APY001015	IMPP	A	1	0.20	6/30/2017	\$0	0.001%	Complete	Gingerville Woods HOA Tennis Court Removal
AA16RST000008	MRNG	E	1	0.50	10/1/2013	\$0	0.002%	Complete	Historic London Town Step Pools and Rain Garden
AA20RST000006	MRNG	E	1	0.02	7/16/2016	\$0	0.000%	Complete	Burley Creek Community Association Raingarden
AA17RST000031	MRNG	E	1	0.04	9/1/2016	\$0	0.000%	Complete	Northrup Grumman raingarden
AA18RST000043	MSGW	E	1	0.15	10/1/2018	\$0	0.001%	Complete	CAT- South
AA16RST000003	MSWB	E	1	0.82	12/1/2014	\$0	0.003%	Complete	Arundel on the Bay Bioswale
AA16RST000002	MSWB	E	1	0.10	12/1/2014	\$0	0.000%	Complete	Arundel on the Bay Bioswale

AA16RST000004	MSWB	E	1	7.14	12/1/2014	\$0	0.029%	Complete	Arundel on the Bay Bioswale
AA16RST000075	MSWB	E	1	0.38	9/1/2016	\$0	0.002%	Complete	Northrup Grumman bioswale -1
AA18RST000032	MSWB	E	1	0.02	5/1/2017	\$0	0.000%	Complete	Edgewater Beach Bioswale
AA18RST000031	MSWG	E	1	0.08	5/1/2017	\$0	0.000%	Complete	Edgewater Beach Grass Swale
AA18RST000033	OTH	S	1	0.94	5/15/2018	\$0	0.004%	Complete	Broad Creek Health Department StormTech BMP
	SEPC	A	36	15.21		\$0	0.061%	Complete	2014
	SEPC	A	23	12.48		\$0	0.050%	Complete	2015
	SEPC	A	20	14.04		\$0	0.056%	Complete	2016
	SEPC	A	29	18.72		\$0	0.075%	Complete	2017
	SEPC	A	10	4.29		\$0	0.017%	Complete	2018
	SEPC	A	22	13.65		\$0	0.055%	Complete	2019
	SEPC	A	28	10.60		\$0	0.042%	Complete	2020
	SEPD	A	105	27.30		\$0	0.109%	Complete	2014
	SEPD	A	284	73.84		\$0	0.296%	Complete	2015
	SEPD	A	237	61.62		\$0	0.247%	Complete	2016
	SEPD	A	159	41.34		\$0	0.165%	Complete	2017
	SEPD	A	168	43.68		\$0	0.175%	Complete	2018
	SEPD	A	196	50.96		\$0	0.204%	Complete	2019
	SEPD	A	180	46.50		\$0	0.186%	Complete	2020
AA17ALN000056	SHST	A	1	4.28	1/1/2012	\$0	0.017%	Complete	1555 Widows Mite Rd Rock Revetment
AA14ALN000005	SHST	A	1	12.64	7/1/2013	\$0	0.051%	Complete	Triton Beach Breakwaters
AA14ALN000004	SHST	A	1	18.72	7/1/2013	\$0	0.075%	Complete	Beverly Triton Park Breakwaters
AA17ALN000031	SHST	A	1	3.76	1/1/2014	\$0	0.015%	Complete	5187 Chesapeake Avenue Living Shoreline
AA17ALN000047	SHST	A	1	1.60	1/1/2014	\$0	0.006%	Complete	835 Valentine View Rock Revetment
AA17ALN000043	SHST	A	1	6.80	1/1/2014	\$0	0.027%	Complete	4512 Forest Point Road Living Shoreline
AA18ALN000045	SHST	A	1	16.40	3/1/2014	\$0	0.066%	Complete	2811 Deepwater Trl, Edgewater
AA18ALN000042	SHST	A	1	3.20	3/1/2014	\$0	0.013%	Complete	Magothy Beach Improvement Association Living Shoreline
AA18ALN000043	SHST	A	1	11.20	3/1/2014	\$0	0.045%	Complete	Londontowne Section 3 Living Shoreline
AA18ALN000044	SHST	A	1	23.00	3/1/2014	\$0	0.092%	Complete	Cheston Point Living Shoreline
AA18ALN000048	SHST	A	1	16.60	3/1/2014	\$0	0.066%	Complete	Londontowne Section 2 Shoreline - Delmar RD
AA15ALN000009	SHST	A	1	16.60	7/1/2014	\$0	0.066%	Complete	Popham Creek Living Shoreline

AA15ALN000011	SHST	A	1	5.00	7/1/2014	\$0	0.020%	Complete	Bear Neck Creek Living Shoreline
AA16ALN000016	SHST	A	1	25.56	7/30/2014	\$0	0.102%	Complete	Lake Ogleton (Annapolis Cove) Living Shoreline
AA17ALN000019	SHST	A	1	6.41	5/27/2015	\$0	0.026%	Complete	603 Lakeland Rd S Living Shoreline
AA15ALN000010	SHST	A	1	38.40	6/1/2015	\$0	0.154%	Complete	YMCA Camp Letts Living Shoreline
AA17ALN000020	SHST	A	1	1.40	6/16/2015	\$0	0.006%	Complete	1301 Wrenn Cir Living Shoreline
AA17ALN000021	SHST	A	1	3.60	7/15/2015	\$0	0.014%	Complete	1024 Sandpiper Ln Living Shoreline
AA16ALN000017	SHST	A	1	19.60	8/15/2015	\$0	0.078%	Complete	Cloverlea Boat Club Living Shoreline
AA17ALN000057	SHST	A	1	6.40	10/9/2015	\$0	0.026%	Complete	5044 Lerch Dr Rock Revetment
AA17ALN000002	SHST	A	1	12.00	12/30/2015	\$0	0.048%	Complete	Section 5 Living Shoreline
AA17ALN000053	SHST	A	1	3.00	1/1/2016	\$0	0.012%	Complete	266 Providence Rd Rock Revetment
AA17ALN000023	SHST	A	1	1.35	1/1/2016	\$0	0.005%	Complete	2756 Poplar Ln Living Shoreline
AA17ALN000024	SHST	A	1	4.80	1/1/2016	\$0	0.019%	Complete	1107 Bay Front Ave Living Shoreline
AA17ALN000025	SHST	A	1	4.80	1/1/2016	\$0	0.019%	Complete	1916 Hidden Point Rd Living Shoreline
AA17ALN000051	SHST	A	1	2.28	1/1/2016	\$0	0.009%	Complete	508 Overhill Drive Rock Revetment
AA17ALN000050	SHST	A	1	15.29	1/1/2016	\$0	0.061%	Complete	5905 Deale Beach Rd Living Shoreline
AA17ALN000049	SHST	A	1	1.20	1/1/2016	\$0	0.005%	Complete	1084 Trails End Rd Living Shoreline
AA17ALN000048	SHST	A	1	4.48	1/1/2016	\$0	0.018%	Complete	271 Long Point Rd Living Shoreline
AA17ALN000052	SHST	A	1	2.20	1/1/2016	\$0	0.009%	Complete	513 Bayberry Drive Living Shoreline
AA17ALN000039	SHST	A	1	2.00	1/1/2016	\$0	0.008%	Complete	3741 Parke Drive Living Shoreline
AA17ALN000054	SHST	A	1	2.88	1/1/2016	\$0	0.012%	Complete	663 Shore Road Rock Revetment
AA17ALN000028	SHST	A	1	19.68	1/1/2016	\$0	0.079%	Complete	1832, 1828, 1829 Cove Point Rd Living Shoreline
AA17ALN000034	SHST	A	1	3.60	1/1/2016	\$0	0.014%	Complete	258 Long Point Rd Rock Revetment
AA17ALN000030	SHST	A	1	4.60	1/1/2016	\$0	0.018%	Complete	1020 Plum Creek Drive Living Shoreline
AA17ALN000035	SHST	A	1	2.00	1/1/2016	\$0	0.008%	Complete	190 Doncaster Road Rock Revetment
AA17ALN000029	SHST	A	1	4.16	1/1/2016	\$0	0.017%	Complete	2674 Claibourne Court Living Shoreline
AA17ALN000032	SHST	A	1	9.60	1/1/2016	\$0	0.038%	Complete	854, 855, 858 Wilson Rd N Rock Revetment
AA17ALN000038	SHST	A	1	5.60	1/1/2016	\$0	0.022%	Complete	751 Parkers Creek Rd Living Shoreline
AA17ALN000037	SHST	A	1	13.56	1/1/2016	\$0	0.054%	Complete	1556 And 1557 Widows Mite Rd Living Shoreline
AA17ALN000036	SHST	A	1	5.20	1/1/2016	\$0	0.021%	Complete	4800 Westward View Rd Living Shoreline
AA17ALN000033	SHST	A	1	0.60	1/1/2016	\$0	0.002%	Complete	838 Childs Point Road Rock Revetment
AA17ALN000027	SHST	A	1	17.96	1/1/2016	\$0	0.072%	Complete	33 Stahl Point Rd Living Shoreline

AA17ALN000058	SHST	A	1	6.37	1/1/2016	\$0	0.025%	Complete	Atlanta Rd Rock Revetment
AA18ALN000046	SHST	A	1	18.40	3/1/2016	\$0	0.074%	Complete	Tanyard Cove North Homeowners Association
AA18ALN000047	SHST	A	1	11.20	3/1/2016	\$0	0.045%	Complete	1405 Sharps Point Road
AA17ALN000022	SHST	A	1	4.53	5/13/2016	\$0	0.018%	Complete	2835 White House Rd Living Shoreline
AA17ALN000044	SHST	A	1	2.20	6/10/2016	\$0	0.009%	Complete	1845 Poplar Ridge Rd Rock Revetment
AA17ALN000026	SHST	A	1	6.20	12/6/2016	\$0	0.025%	Complete	111 Park Ave Living Shoreline
AA17ALN000055	SHST	A	1	14.40	1/1/2017	\$0	0.058%	Complete	1290 Turkey Point Rd Living Shoreline
AA17ALN000001	SHST	A	1	4.96	1/1/2017	\$0	0.020%	Complete	Living Shoreline at The Preserve at Broad Creek and Broadview Estates
AA17ALN000041	SHST	A	1	8.00	1/1/2017	\$0	0.032%	Complete	1700 Beech Lane Rock Revetment
AA17ALN000042	SHST	A	1	7.60	1/1/2017	\$0	0.030%	Complete	906 Shore Drive Living Shoreline
AA17ALN000046	SHST	A	1	2.54	1/1/2017	\$0	0.010%	Complete	1441 Pleasant Lake Rd Rock Revetment
AA17ALN000045	SHST	A	1	19.20	1/1/2017	\$0	0.077%	Complete	511 Deale Rd Rock Revetment
AA17ALN000040	SHST	A	1	11.20	1/1/2017	\$0	0.045%	Complete	308 Boxwood Grove Lane Living Shoreline
AA17ALN000004	SHST	A	1	26.68	6/29/2017	\$0	0.107%	Complete	Turkey Point Island Living Shoreline Project - Phase I
AA18ALN000010	SHST	A	1	29.60	5/1/2018	\$0	0.118%	Complete	Twin Harbors Community Living Shoreline (Arnold/Magothy River)
AA18ALN000025	SHST	A	1	12.00	8/30/2018	\$0	0.048%	Complete	Arundel on the Bay Living Shoreline at 1345 Magnolia Avenue
AA19ALN000028	SHST	A	1	10.80	4/30/2019	\$0	0.043%	Complete	Sherwood Forest Club Living Shoreline
AA19ALN000026	SHST	A	1	11.68	6/6/2019	\$0	0.047%	Complete	Arlington Echo Living Shoreline
AA18RST000051	SPSC	S	1	0.24	3/1/2014	\$0	0.001%	Complete	32 Wilelinor Drive Outfall
AA16RST000073	SPSC	S	1	3.27	3/9/2015	\$0	0.013%	Complete	Maryland Therapeutic Riding Center
AA16RST000091	SPSC	S	1	0.47	11/1/2015	\$0	0.002%	Complete	Annapolis Corporate Park SPSC #1
AA16RST000001	SPSC	S	1	3.41	12/15/2015	\$0	0.014%	Complete	Preserve at Broad Creek Pond Retrofit & SPSC
AA16RST000092	SPSC	S	1	2.21	12/28/2015	\$0	0.009%	Complete	Annapolis Corporate Park SPSC #2
AA18ALN000009	STRE	A	1	14.00	12/30/2015	\$0	0.056%	Complete	Annapolis Corporate Park Stream Restoration
AA16ALN000030	STRE	A	1	16.54	3/10/2017	\$0	0.066%	Complete	Annapolis Harbour Center Stream Restoration
AA17ALN000005	STRE	A	1	20.22	4/2/2017	\$0	0.081%	Complete	Navy Dairy Farm Stream Restoration
AA18ALN000027	STRE	A	1	8.80	6/30/2018	\$0	0.035%	Complete	Oakview Village Southern Tributary
AA18RST000037	WEDW	S	1	0.11	12/21/2018	\$0	0.000%	Complete	Holly Hill Harbor Community Park Stormwater Retrofits
AA18RST000038	WEDW	S	1	0.13	12/21/2018	\$0	0.001%	Complete	Holly Hill Harbor Community Park Stormwater Retrofits
AA18RST000039	WEDW	S	1	0.24	12/21/2018	\$0	0.001%	Complete	Holly Hill Harbor Community Park Stormwater Retrofits
AA18RST000040	WEDW	S	1	0.09	12/21/2018	\$0	0.000%	Complete	Holly Hill Harbor Community Park Stormwater Retrofits

AA18RST000041	WEDW	S	1	0.11	12/21/2018	\$0	0.000%	Complete	Holly Hill Harbor Community Park Stormwater Retrofits
AA16RST000005	WPKT	S	1	1.23	12/1/2014	\$0	0.005%	Complete	Arundel on the Bay Pocket Wetland
Subtotal Other Complete To Date			1,597	1,114		\$0	4.5%		
Total Complete to Date			95,135	5,112		\$81,436,134	20.5%		

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, AltBMPPoly, and RestBMP)-- aggregated by type and status.

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.
 IMPL COST is a summation and not an average.