

FINANCIAL ASSURANCE PLAN AND WPRP ANNUAL REPORT

Frederick County

NPDES MS4 Permit No. 11-DP-3321, MD0068357

December 30, 2014 to December 29, 2019 (Administratively Extended)

FAP Submittal Date: December 29, 2020

Submittal/Report Date: June 21, 2021

EXECUTIVE SUMMARY

Maryland House Bill 987, “Stormwater Management - Watershed Protection and Restoration Program”, was passed by the Maryland General Assembly in 2012 and codified into State law. This bill required all counties and municipalities that are subject to a Phase I NPDES MS4 Permit to establish a stormwater remediation fee; develop a Watershed Protection and Restoration Fund; and to submit a biennial report.

Maryland Senate Bill 863, "Watershed Protection and Restoration Programs – Revisions" was passed in 2015 and added a requirement to the Annotated Code of Maryland ENV §4-202.1 for all medium and large NPDES MS4 permit holders to prepare a biennial Financial Assurance Plan (FAP) and Watershed Protection and Restoration Program (WPRP) Annual Report to demonstrate the financial wherewithal for meeting National Pollutant Discharge Elimination System (NPDES) Municipal Separate Storm Sewer System (MS4) permit requirements.

The completion and submission of the FAP is required every two years on the anniversary date of the Permit issuance, with the first submittal due on July 1, 2016 and the next submittal due December 29, 2018; all subsequent submissions are due two years from the December date. The December 29, 2020 FAP spreadsheets were submitted to MDE with the MS4 Annual Report. This FAP provides approved MS4 program funding and execution for Fiscal Year 2020, with actuals for FY'21 and projections from FY'22 through FY'25. MDE approved the FAP on June 14, 2021 “contingent upon a public hearing and official approval by the local governing body.” The FAP will be issued for a 30-day public review. The County Council, as the “local governing body,” is required to hold a public hearing and vote on approval of the FAP. A certification is to be signed by the County Executive after Council Approval.

The County is covered under NPDES MS4 Permit No. 11-DP-3321, MD0068357 (Permit) and is classified as a medium jurisdiction by the Maryland Department of the Environment (MDE) due to population. The Permit had an effective date of December 30, 2014, expired December 29, 2019, and is administratively extended.

The administratively extended Permit requires compliance with such tasks as watershed assessments; long-term watershed monitoring; public outreach on mandated topics; COMAR-required activities required for development review, sediment and erosion control, and inspection of all public and private stormwater facilities on a triennial basis; tracking of pesticide, herbicide, and fertilizer use; regulation of the county’s sites that are separately permitted under the NPDES Industrial Discharge program for stormwater; illicit discharge detection and elimination; spill response; implementation plans for regulated pollutant limits (known as Total Maximum Daily loads, or TMDLs) on waterbodies; stormwater as-built plan management; maintenance of a complex geodatabase with permit compliance data; and restoration and retrofit implementation. Specifically, the permit’s Impervious Surface Restoration Plan (ISRP) requires the restoration of 20% of the County’s untreated urban impervious area within the MS4 by December 29, 2019 to the Maximum Extent Practicable. Below, Table 1 shows the total impervious acres in the county MS4 with subtractions for treated areas that have been approved by MDE, resulting in 9,903 untreated impervious acres. 20% of this number is 1,981 acres.

Table 1: Updated Impervious Cover Baseline

<u>Frederick County Impervious Accounting</u>	
Total Impervious (acres) within MS4 Permit Area	13,396
– Treated Impervious (acres)	(-678)
– Rooftop Disconnect (acres)	(-403)
– Non Rooftop Disconnect (acres)	(-2,259)
– Sheetflow to Conservation Area (acres)	(-38)
– Existing Grass Swales (acres)	(-51)
– Treated Impervious draining to MD SHA’s BMPs from Frederick County MS4 area	(-64)
Remaining Untreated Impervious (acres) as Baseline	9,903
– Multiply by 20% to determine Frederick County Impervious Restoration Goal (acres)	x (0.20)

Total Impervious (acres) within MS4 Permit Area to be restored¹	1,981
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The County met 100% of the goal of its ISRP, having spent \$57,308,050 on compliance with the permit requirements as of the expiration date of the permit on December 29, 2019.

Best Management Practices approved by MDE were used, as shown in Table 2 below.

Table 2: Impervious Cover Restoration Projects and Trades meeting the 20% ISRP

BMP Type	Total
Stormwater	
Micro-Bioretenion	2.74
Rainwater Harvesting	0.05
Bioretention	1.70
Wet Extended Detention	267.67
Wet Pond	54.74
Sand Filter	3.13
Stream Restoration	461.63
Outfall Stabilization	63.46
Tree Planting	30.60
Septic Denitrification	64.48
Septic Connections to WWTP	4.89
Septic Pumping	212.97
Vacuum Street Sweeping ¹	96.28
Redevelopment Restoration	8.59
Nutrient Trading	708.1
Total	1,981.03

The 1,981.03 acres of restoration obligation were met using 1,272.03 acres of restoration and 708.1 acre equivalents of nutrient trading credits from the County’s wastewater treatment plant (WWTP) at Ballenger-McKinney. A permit modification dated November 8, 2019 allows for nutrient trading with the requirement that these trades be purchased annually until they are replaced by permanent practices. The first trade was approved by MDE on April 23, 2020. The MS4 purchased 14,859 pounds of Total Nitrogen and 165,248 pounds of Total Suspended Sediment that were equivalent to 708.1 acres of impervious surface restoration in the MDE Guidance at that time. The County met 100% of the goal of its Impervious Surface Restoration Plan (ISRP), having spent \$57,308,050 in compliance with the permit requirements.

The timeframe for this FAP extends past the permit ending date of December 29, 2019 through the following six months to the end of Fiscal Year 2020 on June 30, 2020. At that point the

County estimated that it had completed an additional 112.3 acres of impervious acre restoration; its obligation for replacing trades at that point in time was 595.8 acres.

MDE’s Accounting for Stormwater Wasteload Allocations and Impervious Acres Treated document dated June 2020 requires the county to convert its impervious acre requirements into pounds of pollutants offset by trades. Table 3 (Table 16 from the Annual Report) shows the obligation in terms of pollutants:

Table 3: Project Completed After December 29, 2020 with Pollutant Reductions

		Built Date	TN Reduction (lb/yr)	TP Reduction (lb/yr)	TSS Reduction (lbs/yr)
Completed projects 12/30/19-	FY20 Water Quality Trades Nutrient Credits per 2020 MDE Guidance calculations		9,346	947	3,019,607
	Health Department Dry Pond Retrofit (FR17RST800007)	4/1/2020	30	4	2,800
	Bar T North (FR17ALN000008)	5/1/2020	1,232	357	673,193
	Phase I Little Hunting Creek Stream Restoration (FR17ALN000004)	6/20/2020	47	47	21,544
	Pound equivalent nutrient credits remaining in obligation		8,037	540	2,322,070
	After fulfilling the obligations from available treatment plant credits, Frederick County plans to utilize the MDE process for meeting the TSS obligation through 54.24 lbs N or 6.69 lbs P or 24,138 lbs TSS equal one EIA per the 2020 Guidance.		54.24 lb equals 1 EIA	6.69 lb equals 1 EIA	24,138 lb equals 1 EIA

Table 4 below is an extraction from Appendix H of the Annual Report highlighting these same projects listed above but in their impervious equivalency form:

Table 4: Project Completed after December 29, 2020 with Acreages

REST BMP ID	REST BMP TYPE	IMP ACRES	BUILT DATE	IMPL COST	IMPL STATUS	IMPL COMP YR
FR17RST800007	FSND	4.39	4/1/2020	\$295,000	Complete	2020
FR17ALN000008	STRE	103.93	5/1/2020	\$30,000	Complete	2020
FR17ALN000004	STRE	3.98	6/20/2020	\$280,000	Complete	2020

		112.3		\$605,000		
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708.1 (Water Quality Trades) - 112.3 (CIP Projects completed in second half of FY20) = 595.8 acres remaining to replace trades.

Funding information comes from past and proposed operating and Capital Improvement Program (CIP) budgets from the Watershed Management Program within OSER and from numbers provided by County Divisions with stormwater management functions; the “Current” (as identified in the FAP spreadsheets) FY’20 Operating budget estimates are based on the actual FY’20 and FY’21 budgets with 3% per year escalators for future operating expenses. The programmed Capital Improvement Project budget was used for FY’20 and FY’21 with projections for FY’22-FY’25 based on the programmed CIP, subject to future approvals by the governing body. Revenue from the County’s stormwater remediation fee was tracked by the Finance Division and is projected to remain flat.

Frederick County developed a stormwater remediation fee to be fully compliant with HB987. The Board of County Commissioners (BOCC), on May 30, 2013, approved Ordinance 13-06-634 effective July 1, 2013 to create a one cent fee per eligible property to be charged on tax bills issued July 1. The County submitted its first report to MDE by July 1, 2014. Proceeds from the fee were put into a Watershed Protection and Restoration Fund. The BOCC chose at that time to fund the majority of its compliance program for NPDES MS4 Permit No. 11-DP-3321, MD0068357 through the County General Fund. The Frederick County Council (Frederick County changed to Charter Government on December 1, 2014) has continued to authorize the collection of one cent per eligible property, and is funding the majority of the Permit through General Funds, and to a lesser extent, general government bonds and grants.

All proceeds from the stormwater remediation fee go to the Watershed Protection and Restoration Fund. In fiscal year 2020 this amounted to \$536.00. The County collected \$3,596 total in the WPRP by the end of FY’20. The majority of funding comes from the General Funds and from bonds; the level of expenditure is commensurate to other large and medium MS4s in Maryland.

MDE advised the County to reset the financials for the FAP as of the beginning of Fiscal Year 2020. For this reason the first year in the current FAP is the Fiscal Year 2020 budget of \$8,354,244; \$0 is shown for previous fiscal years. All projected costs in the spreadsheet are presented with the caveat that future budgets are not approved by the governing body, and that the budgets will need to reflect the requirements of the next MS4 permit once issued. CIP estimates for future years are based on costs from proposed future CIP projects and on an

average CIP execution rate from the previous permit. A detailed proposal for execution of the next MS4 permit with consideration for various factors is underway as part of a Maximum Extent Practicable (MEP) analysis to be submitted to MDE in July 2021.

For the next two fiscal years (FY2021-FY2022), the total projected fund sources (\$18.9 million) exceeds the projected costs (\$16.3 million). This is equivalent to 116%, exceeding the 100% requirement. These numbers are presented with some very strong caveats. Future budgets are subject to approval by the governing body. The current permit is administratively extended; the new permit could come with budgetary changes. Future bond issuances are predicted but not guaranteed. The 91% total permit term ISRP costs / total permit term annual sources of funds are anticipated and not actual.

Frederick County has made significant strides to improve water quality in the Chesapeake Bay and local County streams. It completed its permit in full compliance. The County continues to implement the programmatic requirements of the permit and completed an additional 112.3 acres of impervious area restoration at the time of this FAP submission. The FAP demonstrates 91% funding for the County's ISRP and permit.

MS4 Information

Jurisdiction	Frederick County, Maryland
Contact Name	Shannon Moore
Phone	301.600.1413
Address	30 North Market St
City	Frederick
State	Maryland
Zip	21701
Email	smoore@frederickcountymd.gov
Impervious Acre Baseline (Untreated Acres)	NA- current permit administratively extended
Permit Number	11-DP-3321 MD0068357
Reporting Year	2020

Check with MS4 Geodatabase:

Does not match Permit Info table of Geodatabase. Those numbers reflect entire administratively extended permit, where this is just post permit end date per email from Brian Cooper dated 12/22/2020

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: 1,981

REST BMP TYPE ¹	BMP CLASS	IMP ACRES	IMPL COST	% ISRP COMPLETE	IMPL STATUS ²	PROJECTED IMPL YR ³
Operational Programs⁴						
VSS	A	96	\$45,710	4.8%	Planning	FY21
VSS	A	96	\$45,710	4.8%	Planning	FY22
VSS	A	96	\$45,710	4.8%	Planning	FY23
VSS	A	96	\$45,710	4.8%	Planning	FY24
VSS	A	96	\$45,710	4.8%	Planning	FY25
Average Operations Next Two Years (FY2021-FY2022) ⁵		0	\$91,420	0.0%		
Average Operations Next Five Years (FY2021-FY2025) ⁵		0	\$228,550	0.0%		
Average Operations All Years ⁵		6	\$238,000	0.3%		
Capital Projects						
FPU	A	5.38	\$0	0.3%	Under Construction	FY21
FPU	A	0.12	\$21,464	0.0%	Under Construction	FY21
FPU	A	0.09	\$3,567	0.0%	Under Construction	FY21
FPU	A	0.92	\$21,464	0.0%	Under Construction	FY21
FPU	A	2.15	\$21,464	0.1%	Under Construction	FY21
FPU	A	1.82	\$21,464	0.1%	Under Construction	FY21
FPU	A	0.21	\$3,567	0.0%	Under Construction	FY21
FPU	A	3.98	\$39,761	0.2%	Under Construction	FY21
FPU	A	0.49	\$21,464	0.0%	Under Construction	FY21
FPU	A	1.36	\$21,464	0.1%	Under Construction	FY21
FPU	A	0.10	\$3,567	0.0%	Under Construction	FY21
FPU	A	0.44	\$3,382	0.0%	Under Construction	FY22
FPU	A	7.96	\$61,892	0.4%	Under Construction	FY22
FPU	A	0.81	\$263,315	0.0%	Under Construction	FY22
FPU	A	4.17	\$47,571	0.2%	Under Construction	FY22
FPU	A	3.83	\$61,892	0.2%	Under Construction	FY22
FPU	A	6.60	\$99,436	0.3%	Under Construction	FY22
FPU	A	0.21	\$2,911	0.0%	Under Construction	FY22
FPU	A	1.01	\$40,308	0.1%	Under Construction	FY22
FPU	A	0.14	\$1,940	0.0%	Under Construction	FY22
FPU	A	2.90	\$416,293	0.1%	Under Construction	FY22
FPU	A	6.60	\$263,315	0.3%	Under Construction	FY22
FPU	A	5.74	\$230,668	0.3%	Under Construction	FY22
FPU	A	0.33	\$12,221	0.0%	Under Construction	FY22
FPU	A	2.31	\$91,743	0.1%	Under Construction	FY22
FPU	A	0.85	\$32,172	0.0%	Under Construction	FY22
FPU	A	0.12	\$1,663	0.0%	Under Construction	FY22
FPU	A	2.49	\$12,221	0.1%	Under Construction	FY22
FPU	A	10.48	\$416,293	0.5%	Under Construction	FY22
FPU	A	0.55	\$7,272	0.0%	Under Construction	FY22
FPU	A	2.40	\$61,892	0.1%	Under Construction	FY22
FSND	S	14.91	\$1,046,014	0.8%	Under Construction	FY21
PWED	S	11.75	\$1,262,880	0.6%	Under Construction	FY21
PWED	S	1.90	\$387,810	0.1%	Under Construction	FY21
PWED	S	6.78	\$766,486	0.3%	Under Construction	FY21
PWET	S	12.71	\$1,460,860	0.6%	Under Construction	FY21
PWED	S	24.53	\$758,439	1.2%	Planning	FY22
PWED	S	20.02	\$1,013,265	1.0%	Planning	FY22
PWED	S	6.50	\$713,720	0.3%	Planning	FY22
PWED	S	9.30	\$732,379	0.5%	Planning	FY22
PWED	S	16.83	\$907,411	0.8%	Planning	FY24
PWED	S	17.85	\$928,310	0.9%	Planning	FY23
PWED	S	13.60	\$657,000	0.7%	Planning	FY22
PWET	S	7.99	\$442,583	0.4%	Planning	FY21
MSWVG	S	0.30	\$207,226	0.0%	Planning	FY24
PWED	S	10.39	\$532,198	0.5%	Planning	FY21
PWED	S	28.41	\$1,208,273	1.4%	Planning	FY23
PWED	S	2.07	\$683,650	0.1%	Planning	FY22

PWET	S	18.71	\$1,247,809	0.9%	Planning	FY21
PWED	S	7.54	\$756,251	0.4%	Planning	FY23
PWED	S	2.23	\$926,822	0.1%	Planning	FY21
PWED	S	24.19	\$1,481,694	1.2%	Planning	FY23
PWED	S	17.73	\$1,025,760	0.9%	Planning	FY25
PWED	S	25.51	\$1,287,290	1.3%	Planning	FY25
PWED	S	13.05	\$756,972	0.7%	Planning	FY24
PWED	S	21.77	\$1,257,903	1.1%	Planning	FY24
ITRN	S	14.38	\$885,125	0.7%	Planning	FY24
FBIO	S	18.50	\$243,260	0.9%	Planning	FY22
FBIO	S	9.25	\$217,948	0.5%	Planning	FY22
PWED	S	17.68	\$973,759	0.9%	Planning	FY24
STRE	A	13.80	\$325,352	0.7%	Planning	FY21
STRE	A	6.80	\$377,857	0.3%	Planning	FY22
STRE	A	24.00	\$882,844	1.2%	Planning	FY22
STRE	A	19.60	\$1,211,957	1.0%	Planning	FY22
STRE	A	12.00	\$643,748	0.6%	Planning	FY22
STRE	A	24.14	\$2,882,210	1.2%	Planning	FY21
STRE	A	25.00	\$27,720	1.3%	Planning	FY23
STRE	A	34.76	\$2,058,284	1.8%	Planning	FY23
STRE	A	41.00	\$2,221,639	2.1%	Planning	FY24
STRE	A	87.38	\$3,546,675	4.4%	Planning	FY25
STRE	A	23.98	\$954,395	1.2%	Planning	FY25
FPU	A	0.81	\$32,486	0.0%	Planning	FY23
FPU	A	1.12	\$44,647	0.1%	Planning	FY23
FPU	A	2.71	\$108,506	0.1%	Planning	FY23
FPU	A	0.72	\$28,694	0.0%	Planning	FY23
FPU	A	2.03	\$81,319	0.1%	Planning	FY23
FPU	A	1.87	\$74,707	0.1%	Planning	FY23
FPU	A	0.99	\$39,643	0.1%	Planning	FY23
FPU	A	2.25	\$89,859	0.1%	Planning	FY23
FPU	A	6.83	\$273,373	0.3%	Planning	FY23
FPU	A	1.91	\$76,545	0.1%	Planning	FY23
FPU	A	2.06	\$82,412	0.1%	Planning	FY23
FPU	A	2.46	\$98,565	0.1%	Planning	FY23
FPU	A	5.08	\$203,164	0.3%	Planning	FY23
FPU	A	5.16	\$206,233	0.3%	Planning	FY23
FPU	A	10.33	\$413,219	0.5%	Planning	FY23
FPU	A	0.61	\$24,277	0.0%	Planning	FY24
FPU	A	0.18	\$7,157	0.0%	Planning	FY24
FPU	A	2.62	\$104,753	0.1%	Planning	FY24
FPU	A	0.20	\$7,984	0.0%	Planning	FY24
FPU	A	0.98	\$39,094	0.0%	Planning	FY24
FPU	A	0.20	\$8,154	0.0%	Planning	FY24
FPU	A	0.13	\$5,293	0.0%	Planning	FY24
FPU	A	0.27	\$10,944	0.0%	Planning	FY24
FPU	A	1.97	\$78,916	0.1%	Planning	FY24
FPU	A	0.68	\$27,378	0.0%	Planning	FY24
FPU	A	0.93	\$37,201	0.0%	Planning	FY24
FPU	A	1.41	\$56,373	0.1%	Planning	FY24
FPU	A	0.61	\$24,531	0.0%	Planning	FY24
FPU	A	0.38	\$15,278	0.0%	Planning	FY24
FPU	A	0.58	\$23,285	0.0%	Planning	FY24
FPU	A	1.42	\$56,952	0.1%	Planning	FY24
FPU	A	1.17	\$46,630	0.1%	Planning	FY24
FPU	A	2.12	\$84,925	0.1%	Planning	FY24
FPU	A	0.61	\$24,313	0.0%	Planning	FY24
FPU	A	0.53	\$21,160	0.0%	Planning	FY24
FPU	A	0.26	\$10,280	0.0%	Planning	FY24
FPU	A	0.52	\$20,716	0.0%	Planning	FY24
FPU	A	0.23	\$9,012	0.0%	Planning	FY24
FPU	A	0.81	\$32,333	0.0%	Planning	FY24
FPU	A	2.89	\$115,746	0.1%	Planning	FY24
Subtotal Capital Next Two Years (FY2021-FY2022)		368	\$21,724,735	19%		
Subtotal Capital Next Five Years (FY2021-FY2025)		854	\$44,955,482	43%		
Subtotal Capital All Years		854	\$44,955,482	43%		
Other						

				0.0%		
				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		755	\$626,900	38.1%		
Total Next Two Years (FY2021-FY2022)		368	\$21,816,155	18.6%		
Total Next Five Years (FY2021-FY2025)		854	\$45,184,032	43.1%		
Total All Years*		1,615	\$45,820,382	81.5%		

***Includes 708.1 acres carried over from previous permit**

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.

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	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	\$0	\$9,450	\$31,946	\$32,905	\$33,892	\$34,909	\$35,956	\$179,058
Inlet Cleaning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Support of Capital Projects	\$0	\$577,028	\$456,781	\$686,003	\$706,583	\$727,781	\$749,614	\$3,903,790
Debt Service Payment	\$0	\$322,367	\$569,973	\$637,808	\$638,034	\$1,984,393	\$1,984,372	\$6,136,948
Other (please stipulate program expenditure)*	-	-	-	-	-	-	-	\$0
Capital Expenditures (costs)								
General Fund (Paygo)	\$0	\$3,181,950	\$1,415,000	\$180,000	\$180,000	\$1,919,544	\$2,359,570	\$9,236,064
WPR Fund (Paygo)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Debt Service	\$0	\$3,863,449	\$4,915,543	\$6,087,401	\$5,379,702	\$5,104,779	\$4,005,830	\$29,356,704
Grants & Partnerships	\$0	\$400,000	\$530,000	\$130,000	\$130,000	\$130,000	\$130,000	\$1,450,000
Other (Partnership Funds Non-County)*	-	-	\$494,000	\$173,926	-	-	-	\$667,926
Subtotal Operation and Paygo:	\$0	\$4,090,795	\$2,967,701	\$1,710,642	\$1,558,510	\$4,666,626	\$5,129,512	\$20,123,786
Total Expenditures:	\$0	\$8,354,244	\$8,413,244	\$7,928,043	\$7,068,212	\$9,901,405	\$9,265,342	\$50,930,490
Total ISRP costs except debt service:								\$44,793,542
Compare ISRP costs (except debt service) / total ISRP proposed actions:								98%

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.

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	\$0	\$8,354,244	\$8,413,244	\$7,928,043	\$7,068,212	\$9,901,405	\$9,265,342	\$16,341,287	\$50,930,490
Annual Costs towards ISRP ³	\$0	\$6,627,260	\$8,413,244	\$7,928,043	\$7,068,212	\$9,901,405	\$9,265,342	\$16,341,287	\$49,203,506

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)).
- Used CIP expenditures from Annual Report Program Funding spreadsheet plus debt service, street sweeping, support of capital projects, grants from ISRP Cost tab.

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)	\$ -	\$ 536	\$ 536	\$ 536	\$ 536	\$ 536	\$ 536	\$ 2,680
Miscellaneous Fees (WPR Fund)								\$ -
General Fund	\$ -	\$ 577,028	\$ 456,781	\$ 686,003	\$ 706,583	\$ 727,781	\$ 749,614	\$ 3,326,762
Other Funds 1 (CIP)	\$ -	\$ 3,181,950	\$ 1,415,000	\$ 180,000	\$ 180,000	\$ 1,919,544	\$ 2,359,570	\$ 6,054,114
Other Funds 2 (Operating)	\$ -	\$ 1,823,303	\$ 1,878,002	\$ 1,934,342	\$ 1,992,372	\$ 2,052,143	\$ 2,113,708	\$ 9,970,567
Other Funds 3 (please stipulate funding source)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Subtotal Paygo Sources	\$ -	\$ 5,582,817	\$ 3,750,319	\$ 2,800,881	\$ 2,879,491	\$ 4,700,004	\$ 5,223,428	\$ 19,354,123
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	\$ -	\$ 3,863,449	\$ 4,915,543	\$ 6,087,401	\$ 5,379,702	\$ 5,104,779	\$ 4,005,830	\$ 25,493,255
Revenue (Utility) Bonds								\$ -
State Revolving Loan Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Public-private partnership (debt service)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Subtotal Debt Service	\$ -	\$ 3,863,449	\$ 4,915,543	\$ 6,087,401	\$ 5,379,702	\$ 5,104,779	\$ 4,005,830	\$ 25,493,255
Grants and Partnerships (no payment is expected)								
State funded grants	\$ -	\$ 400,000	\$ 1,024,000	\$ 303,926	\$ 130,000	\$ 130,000	\$ 130,000	\$ 1,717,926
Federal funded grants								\$ -
Public-private partnership (matched grant)								\$ -
Subtotal Grants and Partnerships	\$ -	\$ 400,000	\$ 1,024,000	\$ 303,926	\$ 130,000	\$ 130,000	\$ 130,000	\$ 1,717,926
Total Annual Sources of Funds	\$ -	\$ 9,846,266	\$ 9,689,862	\$ 9,192,208	\$ 8,389,193	\$ 9,934,783	\$ 9,359,258	\$ 46,565,304
Percent of Funds Directed Toward ISRP								

Compare total permit term paygo ISRP costs / subtotal permit term paygo sources: **83%**
 Compare total permit term ISRP costs / total permit term annual sources of funds: **91%**

* 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)(j)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:*

1,981

Requirement:

NA

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	1	29.05	6/30/2020	\$9,450	1.5%	Complete	7/1/2020-12/31/2020 72.63 tons swept/29.05 impervious acre credit
Average Operations Complete To Date ⁴			1	5.81		\$9,450	0.3%		
Capital Projects									
Subtotal Capital Complete To Date			0	0		\$0	0.00%	Complete	
Other									
n/a	SEPC	A	6	2.16	12/31/2019	\$0	0.1%	Complete	
n/a	SEPD	A	10	2.60	12/31/2019	\$0	0.1%	Complete	
n/a	SEPP	A	1,123	33.69	12/31/2019	\$0	1.7%	Complete	
REDE	OTH	A	7	8.59	12/31/2019	\$0	0.4%	Complete	
TRADING	OTH	A	0	595.80	12/31/2019	\$18,000	30.1%	Complete	FY19 Cost was 18,000. FY20 cost is estimated to be similar and will be reported in the future. Frederick County is buying \$95.8 in FY20. Orininal credits were 708.1; have replaced 112.3 in FY20.
FR17RST800007	FSND	S	1	4.39	4/1/2020	\$295,000	0.2%	Complete	Completed after December 29, 2019. Projects are paying back nutrient trading.
FR17ALN000008	STRE	A	1	103.93	5/1/2020	\$30,000	5.2%	Complete	Completed after December 29, 2019. Projects are paying back nutrient trading.
FR17ALN000004	STRE	A	1	3.98	6/30/2020	\$280,000	0.2%	Complete	Completed after December 29, 2019. Projects are paying back nutrient trading.
FR20ALN000266	OUT	A	1	0.16	1/23/2020	\$3,900	0.0%	Complete	
Subtotal Other Complete To Date			1,150	755		\$626,900	38.1%		
Total Complete to Date			1,151	761		\$636,350	38.4%		

*Left baseline number. Otherwise, all numbers in %ISRP would be errors; however, no goal has been set for next permit term to date.

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.