

Watershed Protection and Restoration Program

Financial Assurance Plan

Charles County, Maryland

Fiscal Year 2025

Executive Summary

Background

This Financial Assurance Plan (FAP) is prepared to fulfill requirements specified in the Annotated Code of Maryland (COMAR), Environment Article, § 4-202.1. The purpose is to describe actions and revenue necessary to implement impervious surface restoration requirements of Charles County's National Pollutant Discharge Elimination System Municipal Separate Storm Sewer System (MS4) Permit Number MD0068365 and demonstrate sufficient funding for the 2-year period immediately following the filing date of the FAP. The County's most recent MS4 permit was issued in December 2022. The data in the FAP correlates to the permit.

State law requires that the County hold a public hearing and approve the FAP prior to filing with Maryland Department of Environment.

Summary of Charles County FAP

Five elements are specified in COMAR as necessary to demonstrate financial assurance and are each represented by a corresponding table attached hereto. Information included on the FAP tables is prior actual costs and projections. The FAP is an evaluation tool, and not used for adopting new budgets or authorizing new projects. A summary of each table follows.

Table 1: Specific actions and expenditures that the county implemented in previous fiscal years to meet the Impervious Surface Restoration Plan (ISRP).

Completed actions to achieve the ISRP are itemized into two parts: (1) obligations from the previous permit that must be continued totaling 138 acres, and (2) restoration required for the new permit totaling 1,083 acres.

Under the first part: 'Operational Programs' include storm drain vacuuming and septic pump-out programs, which will be maintained at prior levels. 'Capital Projects' are also included to replace street sweeping that was previously credited. To date the acres of restoration generated by operational programs, averaged over the permit term is 139 acres.

Under the second part: 'Operational Programs' and 'Capital Projects' completed by the County are listed, and 'Other' projects completed by private parties, non-profits, other agencies, and the County are listed. These include installation of septic system denitrification units and connection of septic systems to public sanitary sewer systems.

To date, the County has completed 557 acres of impervious surface restoration towards the new permit. This is 51% of the total goal.

Table 2: All actions necessary to meet the Impervious Surface Restoration Plan (ISRP) only.

Current and future actions to achieve the ISRP are itemized into two parts: (1) obligations from the previous permit that must be continued totaling 138 acres, and (2) restoration required for the new permit totaling 1,083 acres. (Completed actions are on Table 1.)

Under the first part: ‘Operational Programs’ include storm drain vacuuming and septic pump-out programs, which will be maintained at prior levels. The acres of restoration generated by operational programs are averaged over the permit term and the annual average is credited.

Under the second part: ‘Operational Programs’ and ‘Capital Projects’ to be implemented by the County are listed with status, and ‘Other’ projects to be implemented by private parties, non-profits, other agencies, and the County are listed with status. These include installation of septic system denitrification units and connection of septic systems to public sanitary sewer systems.

Table 3: Projected annual and 5-year costs to meet the ISRP.

This table includes Operational and Capital expenditures from the second half of FY 2020 through FY 2029. The total ISRP expenditures through FY 2028 are projected to be \$45.2 million.

Table 4: Projected annual and 5-year revenues and other funds that will be used to meet the costs of the ISRP.

By FY 2028, total revenue appropriated for the current permit ISRP is projected to be \$96.8 million.

Table 5: Sources of funds that will be utilized by the County to meet its entire MS4 permit.

Table 5 shows the funding to implement all requirements of the MS4 permit, which includes: permit administration, legal authority, permit geodatabase, stormwater management program, sediment and erosion control program, illicit discharge program, good housekeeping on County properties, salt management, public education and outreach, impervious surface restoration, watershed management and stormwater restoration plans, water quality monitoring, program funding, and annual reporting.

Funding to implement these programs is from the following: Watershed Protection and Restoration Fund, General Fund, Inspection and Review Fund, General Obligation Bonds, and State and federal funded grants. The total projected through FY 2028 is \$114.6 million.

MS4 Information	
Jurisdiction	Charles County
Contact Name	Charles Rice, Planning Director
Phone	301-645-0651
Address	200 Baltimore Street
City	La Plata
State	Maryland
Zip	20646
Email	RiceC@CharlesCountyMD.gov
Continued Annual Alternative Impervious Surface Restoration (ISR) acres	138.00
Required ISR in Permit (acres)	1083.00
Permit Number	22-DP-3322
Permit Term Fiscal Years (FY)	2023-2028
Reporting FY	2025

Note:

1. This information supports the County's Municipal Separate Storm Sewer System (MS4) permit.
2. Continued annual alternative ISR and required ISR matches MS4 Permit condition Part IV.E. Stormwater Restoration. Although the permit term began in FY23, impervious surface restoration completed January 2020 through December 2022 is credited to this permit term.

Version 4-26-24

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.

BMP ID or NAME ¹	BMP TYPE ¹	BMP CLASS ¹	NUM BMP	IMPERVIOUS ACRES	% ISRP COMPLETE	IMPLEMEN-TATION COST	BUILT DATE	IMPLEMEN-TATION STATUS	GENERAL COMMENTS
Obligations from Previous Permit That Must Be Continued or Met				138.00					
Operational Programs^{2,3}									
Storm Drain Vacuuming	SDV	A	150	27.54	20%	\$121,785.00	6/30/2020	Complete	155.4 tons removed
Storm Drain Vacuuming	SDV	A	123	56.56	41%	\$121,888.00	6/30/2021	Complete	319.2 tons removed
Storm Drain Vacuuming	SDV	A	88	10.75	8%	\$123,323.00	6/30/2022	Complete	60.65 tons removed
Storm Drain Vacuuming	SDV	A	71	20.4	15%	\$124,610.00	6/30/2023	Complete	115.13 tons removed
Storm Drain Vacuuming	SDV	A	122	11.83	9%	\$128,181.00	6/30/2024	Complete	66.74 tons removed
Septic Pumping	SEPP	A	960	26.67	19%	\$109,989.00	6/30/2020	Complete	747 BMPS 0.03 ac/ea, extra BMPS 0.02 ac/ea
Septic Pumping	SEPP	A	1714	40.01	29%	\$233,148.00	6/30/2021	Complete	747 BMPS 0.03 ac/ea, extra BMPS 0.02 ac/ea
Septic Pumping	SEPP	A	1505	41.75	30%	\$85,700.00	6/30/2022	Complete	747 BMPS 0.03 ac/ea, extra BMPS 0.02 ac/ea
Septic Pumping	SEPP	A	1458	36.63	27%	\$115,980.00	6/30/2023	Complete	747 BMPS 0.03 ac/ea, extra BMPS 0.02 ac/ea
Septic Pumping	SEPP	A	1559	38.65	28%	\$89,300.00	6/30/2024	Complete	747 BMPS 0.03 ac/ea, extra BMPS 0.02 ac/ea
Subtotal Operations⁴			7750	62	45%	\$1,253,904			
Capital Projects (Completed to Replace Annual Obligations)^{2,3}									
CH20ALN000028	SHST	A	1	70.2	51%	\$1,392,520	6/30/2020	Complete	Potomac Heights Shoreline Stabilization
CH17ALN000005	STRE	A	1	7.1	5%	\$782,560	6/30/2020	Complete	St. Charles Parkway Stream Restoration
Subtotal Capital			1	77	56%	\$1,392,520			
Other (Completed to Replace Annual Obligations)^{2,3}									
NA					0%				
NA					0%				
Subtotal Other			0	0	0%	\$0			
Total Continued Obligations from Previous Permit			7,751	139	101%	\$2,646,424			
Restoration for the New Permit				1083.00					
Operational Programs^{3,5}									
Nutrient Trading-Oyster		A	1	0	0%	\$53,200	6/30/2022	Complete	
Nutrient Trading-Oyster		A	1	0	0%	\$54,590	6/30/2023	Complete	
Nutrient Trading-Oyster		A	1	0	0%	\$56,288	6/30/2024	Complete	
Subtotal Operations⁴			3	0	0%	\$164,078			
Capital Projects^{3,5}									
CH17ALN000011	STRE	A	1	18.02	2%	\$688,762	3/31/2020	Complete	Apple Creek Stream Restoration
CH16RST000097	PWED	S	1	29	3%	\$691,891	5/30/2020	Complete	La Plata High School Pond Retrofit
CH17ALN000014	STRE	A	1	50	5%	\$1,065,780	6/30/2020	Complete	Higdon Elementary School Stream Restoration
CH18ALN000004	SHST	A	1	82.16	8%	\$1,325,650	7/31/2020	Complete	Clifton Shoreline Stabilization Phase 1
CH20ALN000027	SHST	A	1	92.72	9%	\$1,501,620	7/31/2020	Complete	Clifton Shoreline Stabilization Phase 2

BMP ID or NAME ¹	BMP TYPE ¹	BMP CLASS ¹	NUM BMP	IMPERVIOUS ACRES	% ISRP COMPLETE	IMPLEMENTATION COST	BUILT DATE	IMPLEMENTATION STATUS	GENERAL COMMENTS
CH17RST000062	ODSW	S	1	1.15	0%	\$145,158	11/30/2020	Complete	Bensville Park Dry Swale with 2 Check Dams
CH17RST000002	ODSW	S	1	1.69	0%	\$213,319	11/30/2020	Complete	Bensville Park Dry Swale
CH17RST000063	FSND	S	1	3.33	0%	\$420,327	11/30/2020	Complete	Bensville Park Sand Filter
CH17APY000456	FPU	A	1	0.61	0%	\$76,997	11/30/2020	Complete	Bensville Park Reforestation
CH19RST000005	PWET	S	1	4.62	0%	\$282,470	5/28/2021	Complete	Best Buy Wetpond Expansion
CH19RST000006	PPKT	S	1	3.61	0%	\$180,030	6/30/2021	Complete	Cedar Tree Pond Retrofit
CH17ALN000013	STRE	A	1	106.07	10%	\$1,618,310	7/28/2022	Complete	Ruth B. Swann Park Main Stream Restoration
CH17ALN000013	STRE	A	1	37.79	3%	\$1,367,260	8/28/2022	Complete	Hunt Club - Bridle Path Stream Restoration
CH17ALN000008	STRE	A	1	53.5	5%	\$1,381,830	6/26/2023	Complete	CSM Tributaries
CH21ALN000003	STRE	A	1	17.08	2%	\$1,042,272	6/15/2023	Complete	Ruth B. Swann Park Tributary Stream Restoration
CH22ALN000001	OUT	A	6	2.3	0%	\$142,128	6/15/2023	Complete	Ruth B. Swann Park Tributary Outfalls
CH21ALN000001	STRE	A	1	26.07	2%	\$2,048,810	3/22/2024	Complete	Acton Village Westdale Drive Stream Restoration
CH16RST000014	BIO	E	1	1.53	0%	\$254,499	9/6/2024	Complete	General Smallwood Middle School Bioretention
CH17RST000067	BIO	E	1	1.9	0%	\$254,499	9/6/2024	Complete	General Smallwood Middle School Bioretention
Subtotal Capital			24	533.15	49%	\$14,701,612			
Other^{3,5}									
Septic Denitrification	SEPD	A	35	5.6	1%	\$350,741	6/30/2020	Complete	Bay Restoration Fund Grant
Septic Denitrification	SEPD	A	26	4.16	0%	\$293,013	6/30/2021	Complete	Bay Restoration Fund Grant
Septic Denitrification	SEPD	A	35	5.6	1%	\$418,904	6/30/2022	Complete	Bay Restoration Fund Grant
Septic Denitrification	SEPD	A	23	3.68	0%	\$308,050	6/30/2023	Complete	Bay Restoration Fund Grant
Septic Denitrification	SEPD	A	6	0.96	0%	\$38,819	6/30/2024	Complete	Bay Restoration Fund Grant
Septic Connection	SEPC	A	2	0.46	0%	\$3,226	6/30/2020	Complete	Bay Restoration Fund Grant
Septic Connection	SEPC	A	4	0.92	0%	\$39,299	6/30/2021	Complete	Bay Restoration Fund Grant
Septic Connection	SEPC	A	6	1.38	0%	\$8,065	6/30/2022	Complete	Bay Restoration Fund Grant
Septic Connection	SEPC	A	4	0.92	0%	\$47,221	6/30/2023	Complete	Bay Restoration Fund Grant
Septic Connection	SEPC	A	2	0.46	0%	\$11,613	6/30/2024	Complete	Bay Restoration Fund Grant
Subtotal Other			143	24	2%	\$1,518,951			
Total Additional Restoration			170	557	51%	\$16,384,641			

Notes:

1. Use BMP IDs, types, classes, impervious acres, built dates, etc. from MS4 Geodatabase.
2. % ISR Complete compared to continued annual alternative ISR.
3. ISR credited to current permit term began in FY20.
4. Impervious Acres are the average for the time period, Implementation Costs are totaled.
5. % ISR Complete compared to ISR new permit.

Version 4-26-24

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, Impervious Surface Restoration only.

Continued Annual Alternative ISR (acres) 138
 Required ISR New Permit (acres): 1,083

BMP TYPE ¹	BMP CLASS	IMPERVIOUS ACRES	% ISR GOAL	IMPLEMENTATION COST	IMPLEMENTATION STATUS	IMPLEMENTATION COMPLETION YEAR (FY)
Obligations from Previous Permit That Must Be Continued or Met						
Operational Programs^{2,3}						
Storm Drain Vacuuming	A	75.69	55%	\$200,000	Under Construction	2025
Storm Drain Vacuuming	A	75.69	55%	\$204,000	Planning	2026
Storm Drain Vacuuming	A	75.69	55%	\$208,100	Planning	2027
Storm Drain Vacuuming	A	75.69	55%	\$212,300	Planning	2028
Storm Drain Vacuuming	A	75.69	55%	\$216,500	Planning	2029
Septic Pumping	A	22.41	16%	\$150,000	Under Construction	2025
Septic Pumping	A	22.41	16%	\$153,000	Planning	2026
Septic Pumping	A	22.41	16%	\$156,100	Planning	2027
Septic Pumping	A	22.41	16%	\$159,200	Planning	2028
Septic Pumping	A	22.41	16%	\$162,400	Planning	2029
Operations Next Two Years (FY25-26) ⁴		98	71%	\$707,000		
Operations Next Five Years (FY25-29) ⁴		98	71%	\$1,821,600		
Operations Permit Term (FY20-28) ⁴		91	66%	\$2,696,604		
Capital Projects (Completed to Replace Annual Obligations)^{2,3}						
NA			0%			
NA			0%			
Subtotal Capital Next Two Years (FY25-26)		0	0%	\$0		
Subtotal Capital Next Five Years (FY25-29)		0	0%	\$0		
Subtotal Capital Permit Term (FY20-28)		77	56%	\$1,392,520		
Other (Completed to Replace Annual Obligations)^{2,3}						
NA			0%			
NA			0%			
Subtotal Other Next Two Years (FY25-26)		0	0%	\$0		
Subtotal Other Next Five Years (FY25-29)		0	0%	\$0		
Subtotal Other Permit Term (FY20-28)		0	0%	\$0		
Total Continued Obligations Next Two Years (FY25-26)		98	71%	\$707,000		
Total Continued Obligations Next Five Years (FY25-29)		98	71%	\$1,821,600		
Total Continued Obligations Permit Term (FY20-28)		168	122%	\$4,089,124		

BMP TYPE ¹	BMP CLASS	IMPERVIOUS ACRES	% ISR GOAL	IMPLEMENTATION COST	IMPLEMENTATION STATUS	IMPLEMENTATION COMPLETION YEAR (FY)	
Restoration for the Current Permit							
Operational Programs^{3,5}							
Oyster Harvesting	A		0%	\$57,977	Under Construction	2025	
Oyster Harvesting	A		0%	\$59,716	Planning	2026	
Oyster Harvesting	A		0%	\$61,507	Planning	2027	
Oyster Harvesting	A		0%	\$63,353	Planning	2028	
Operations Next Two Years (FY25-26) ⁴		0	0%	\$117,693			
Operations Next Five Years (FY25-29) ⁴		0	0%	\$242,553			
Operations Permit Term (FY20-28) ⁴		0	0%	\$406,631			
Capital Projects^{3,5}							
							Name
Wet Pond	S	21.01	2%	\$889,640	Planning	2026	White Oak Pond Retrofit
Stream Restoration	A	78.1	7%	\$2,269,000	Under Construction	2025	Ruth B Swann North Stream Restoration
Stream Restoration	A	61.88	6%	\$2,165,664	Planning	2027	Marbella Stream Restoration
Outfall Stabilization	A	1.62	0%	\$56,696	Planning	2027	Marbella Outfall Stabilizations
Pocket Pond	S	10.24	1%	\$477,390	Planning	2025	Wilton Court Pond Retrofit
Stream Restoration	A	56	5%	\$2,718,740	Planning	2027	Port Tobacco Stream Restoration
Stream Restoration	A	29.5	3%	\$1,294,047	Planning	2026	Milton Somers Stream Restoration
Wet Extended Detention Pond	S	9.9	1%	\$434,273	Planning	2026	Milton Somers Pond Retrofit
Bioretention	E	1.3	0%	\$78,766	Planning	2026	Walter Mitchell Bioretention
Stream Restoration	A	30.9	3%	\$1,890,384	Planning	2026	Walter Mitchell Stream Restoration
Wet Pond/Wetland System	S	11.4	1%	\$418,670	Planning	2027	South Hampton-Greenville Pond
Wet Pond/Wetland System	S	4.3	0%	\$226,320	Planning	2027	South Hampton-Walden Pond
Wet Pond/Wetland System	S	3.5	0%	\$184,214	Planning	2027	South Hampton-Sir Douglas Pond
Dry Channel Regenerative Step Pool	A	15.9	1%	\$121,055	Planning	2027	South Hampton-Amherst Step Pool Stream
Dry Channel Regenerative Step Pool	A	2.3	0%	\$30,000	Planning	2027	South Hampton-Amherst Step Pool - WQ _v
Stream Restoration	A	97.81	9%	\$870,140	Planning	2027	Oak Ridge Park West Stream Restoration
Stream Restoration	A	18	2%	\$442,330	Planning	2027	Oak Ridge Park East Stream Restoration
Stream Restoration	A	16.45	2%	\$309,500	Planning	2028	Locust Grove Farm Stream Restoration
Wet Pond	S	16.66	2%	\$725,790	Planning	2026	White Plains Golf Course Pond Retrofit
Stream Restoration	A	10	1%	\$350,000	Planning	2027	Warren J Willett Subdivision Stream Restoration
Submerged Gravel Wetland	S	5	0%	\$117,000	Planning	2027	Warren J Willett Subdivision Submerged Gravel Wetland
Impervious Surface Reduction	S	0.95	0%	\$83,801	Planning	2027	Elite Gymnastics Impervious Surface Removal
Shoreline Management	A	12	1%	\$480,000	Planning	2027	Pope's Creek Shoreline Stabilization (est. 300 lf)
Shoreline Management	A	100	9%	\$2,450,000	Planning	2027	Full Delivery - Garner Shoreline Stabilization
Stream Restoration	A	25	2%	\$1,000,000	Planning	2028	Stream Restoration - Port Tobacco Watershed TBD
Submerged Gravel Wetland	S	2.5	0%	\$750,000	Planning	2028	Huntington Upland at Thomas Stone High School
Stream Restoration	A	15	1%	\$650,000	Planning	2028	Huntington Stream Restoration
TBD	A	50	5%	\$1,000,000	Planning	2028	Full Delivery - Projects TBD
Forest Conservation	A	39	4%	\$1,000,000	Planning	2029	Forest Conservation - Projects TBD
Subtotal Capital Next Two Years (FY25-26)		198	18%	\$8,059,290			
Subtotal Capital Next Five Years (FY25-29)		746	69%	\$23,483,419			
Subtotal Capital Permit Term (FY20-28)		1,240	115%	\$37,449,970			

Table 2

BMP TYPE ¹	BMP CLASS	IMPERVIOUS ACRES	% ISR GOAL	IMPLEMENTATION COST	IMPLEMENTATION STATUS	IMPLEMENTATION COMPLETION YEAR (FY)
Other^{3,5}						
Septic Denitrification Units	A	1.6	0%	\$110,000	Planning	2025
Septic Denitrification Units	A	1.6	0%	\$110,000	Planning	2026
Septic Denitrification Units	A	1.6	0%	\$110,000	Planning	2027
Septic Denitrification Units	A	1.6	0%	\$110,000	Planning	2028
Septic Denitrification Units	A	1.6	0%	\$110,000	Planning	2029
Septic Connections	A	0.92	0%	\$80,000	Planning	2025
Septic Connections	A	0.92	0%	\$80,000	Planning	2026
Septic Connections	A	0.92	0%	\$80,000	Planning	2027
Septic Connections	A	0.92	0%	\$80,000	Planning	2028
Septic Connections	A	0.92	0%	\$80,000	Planning	2029
Subtotal Other Next Two Years (FY25-26)		5	0%	\$380,000		
Subtotal Other Next Five Years (FY25-29)		13	1%	\$950,000		
Subtotal Other Permit Term (FY20-28)		34	3%	\$2,278,951		
Total Next Two Years (FY25-26)		203	19%	\$8,556,983		
Total Next Five Years (FY25-29)		759	70%	\$24,675,972		
Total Permit Term (FY20-28)		1,275	118%	\$40,135,552		

Notes:

*To identify all "actions" required under the MS4 permit, provide an executive summary of the jurisdiction's MS4 programs. For proposed actions to meet the impervious surface restoration plan, complete the above table.

1. Use BMP domains from MDE MS4 Geodatabase.
2. % ISR Complete compared to continued annual alternative ISR.
3. ISR credited to current permit term began in FY20.
4. Impervious Acres are the average for the time period, Implementation Costs are totaled.
5. % ISR Complete compared to ISR new permit.

Version 4-26-24

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 YEAR FY 2023 ¹	CURRENT YEAR FY 2024	PROJECTED YEAR 1 FY 2025	PROJECTED YEAR 2 FY 2026	PROJECTED YEAR 3 FY 2027	PROJECTED YEAR 4 FY 2028	PROJECTED YEAR 5 FY 2029	TOTAL PERMIT TERM ² FY 2023-2028
Operating Expenditures (costs)								
Septic Pumping Program ⁴	\$590,514	\$105,893	\$150,000	\$153,000	\$156,100	\$159,200	\$162,400	\$1,477,107
Inlet Cleaning	\$479,069	\$147,890	\$200,000	\$204,000	\$208,100	\$212,300	\$216,500	\$1,451,359
IDDE								\$0
Support of Capital Projects	\$645,900	\$122,100	\$105,700	\$108,700	\$111,900	\$124,600	\$128,000	\$1,346,900
Debt Service Payment ³	\$361,251	\$1,044,150	\$1,222,807	\$1,674,973	\$2,109,835	\$2,129,969	\$2,308,860	\$10,851,845
Other (please stipulate program expenditure) ⁴	-	-	-	-	-	-	-	\$0
Capital Expenditures (costs)								
General Fund (Paygo)								\$0
WPR Fund (Paygo)								\$0
Debt Service	\$5,553,310	\$10,497,841	\$2,746,390	\$6,959,900	\$6,684,900	\$309,500	\$2,750,000	\$32,751,841
Grants & Partnerships								\$0
Other (please stipulate capital expenditure) ⁴	-	-	-	-	-	-	-	\$0
Total expenditures:	\$7,630,044	\$11,917,874	\$4,424,897	\$9,100,573	\$9,270,835	\$2,935,569	\$5,565,760	\$45,279,792

Notes:

1. Includes costs since expiration date of previous permit up to and including FY 2023.
2. Total permit term includes costs associated with the current permit expiring in FY 2027.
3. Debt service payments include debt service used to support capital projects from current and previous permit.
4. Includes septic riser reimbursements.

Version 4-26-24

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 2023 ¹	CURRENT YEAR FY 2024	PROJECTED YEAR 1 FY 2025	PROJECTED YEAR 2 FY 2026	PROJECTED YEAR 3 FY 2027	PROJECTED YEAR 4 FY 2028	PROJECTED YEAR 5 FY 2029	TOTAL NEXT 2-YEARS FY 2025-2026 ²	TOTAL PERMIT TERM FY 2023-2028
Annual Revenue Appropriated for ISRP ³	\$31,131,635	\$7,915,910	\$11,246,900	\$19,889,400	\$12,993,900	\$13,667,400	\$14,896,900	\$31,136,300	\$96,845,145
Annual Costs towards ISRP ⁴	\$17,012,700	\$4,462,414	\$4,960,354	\$7,893,680	\$12,929,851	\$7,215,792	\$4,594,073	\$12,854,034	\$54,474,791

Compare revenue appropriated / annual costs: **242%**
Requirement in Article 4-202.1(j)(4)(iii)⁵: **100%**

Notes:

1. Includes revenue since expiration date of previous permit up to and including FY 2023.
2. Article 4-202.1(j)(2): "A financial assurance plan shall demonstrate that the 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 financial assurance plan."
3. Revenue means "dedicated revenues, funds, or sources of funds" (per Article 4-202.1(j)(4)(iii)).
4. See ISRP Cost spreadsheet.
5. Article 4-202.1(j)(4)(iii): "For the filing of a second and subsequent financial assurance plan, funding in the financial assurance plan is sufficient if the financial assurance plan demonstrates that the county or municipality has dedicated revenues, funds, or sources of funds to meet, for the 2-year period immediately following the filing date of the financial assurance plan, 100% of the projected costs of compliance with the impervious surface restoration plan requirements of the county or municipality under its national pollutant discharge elimination system Phase I municipal separate storm sewer system permit over the 2-year period."

Version 4-9-24

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 THRU¹ FY 2023	CURRENT YEAR FY 2024	PROJECTED YEAR 1 FY 2025	PROJECTED YEAR 2 FY 2026	PROJECTED YEAR 3 FY 2027	PROJECTED YEAR 4 FY 2028	PROJECTED YEAR 5 FY 2029	TOTAL PERMIT TERM FY 2023-2028
Paygo Sources								
Stormwater Remediation Fees (WPR Fund)	\$21,167,405	\$7,599,370	\$8,241,900	\$8,393,400	\$8,497,900	\$8,602,400	\$8,706,900	\$62,502,375.00
Miscellaneous Fees (WPR Fund)	\$54,230	\$16,540	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$90,770.00
General Fund	\$850,000							\$850,000.00
Fund Balance (WPR Fund)	\$509,193	\$33,722						\$542,915.00
Sediment & Erosion Control Fees (Insp & Review Fund)	\$1,502,843	\$274,370	\$274,400	\$274,400	\$274,400	\$274,400	\$274,400	\$2,874,813.00
Stormwater Fees (Insp & Review Fund)	\$2,864,794	\$1,086,566	\$1,086,600	\$1,086,600	\$1,086,600	\$1,086,600	\$1,086,600	\$8,297,760.22
Subtotal Paygo Sources	\$26,948,465	\$9,010,568	\$9,607,900	\$9,759,400	\$9,863,900	\$9,968,400	\$10,072,900	\$75,158,633.22
Debt Service²								
County Transportation Bonds	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.00
General Obligation Bonds	\$9,060,000	\$300,000	\$3,000,000	\$11,491,000	\$4,491,000	\$5,060,000	\$6,185,000	\$33,402,000.00
Revenue (Utility) Bonds	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.00
State Revolving Loan Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.00
Public-private partnership (debt service)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.00
Subtotal Debt Service	\$9,060,000	\$300,000	\$3,000,000	\$11,491,000	\$4,491,000	\$5,060,000	\$6,185,000	\$33,402,000.00
Grants and Partnerships³								
State funded grants	\$0	\$83,735	\$131,073	\$0	\$0	\$0	\$0	\$214,808.00
Federal funded grants	\$84,620	\$984,279	\$1,777,606	\$2,993,794	\$0	\$0	\$0	\$5,840,299.00
Public-private partnership (matched grant)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.00
Subtotal Grants and Partnerships	\$84,620	\$1,068,014	\$1,908,679	\$2,993,794	\$0	\$0	\$0	\$6,055,107.00
Total Annual Sources of Funds	\$36,093,085	\$10,378,582	\$14,516,579	\$24,244,194	\$14,354,900	\$15,028,400	\$16,257,900	\$ 114,615,740
Percent of Funds Directed Toward ISRP								

Notes:

1. Previous accumulated revenue should be specifically designated for use for this current permit.
2. Paygo sources will be used to pay off debt service. Note that previous appropriations for debt service used for ISRP are listed in FY 2023.
3. No payment is expected.
4. WPR Fund: Watershed Protection and Restoration Fund.

Version 4-26-24

Code Description	Code	Class
Ponds		
Micro-Pool Extended Detention Pond	PMED	S
Multiple Pond	PMPS	S
Pocket Pond	PPKT	S
Wet Extended Detention Pond	PWED	S
Wet Pond	PWET	S
Wetlands		
ED Shallow Wetland	WEDW	S
Pocket Wetland	WPKT	S
Pond Wetland System	WPWS	S
Shallow Marsh	WSHW	S
Infiltration		
Infiltration Basin	IBAS	S
Infiltration Trench	ITRN	S
Landscape Infiltration	MILS	E
Infiltration Berm	MIBR	E
Dry Well	MIDW	E
Filtering Systems		
Surface Sand Filter	FSND	S
Underground Filter	FUND	S
Perimeter Filter	FPER	S
Organic Filter	FORG	S
Pocket Filter	FPKT	S
Bioretention	FBIO	S
Submerged Gravel Wetland	MSGW	E
Micro-Bioretention	MMBR	E
Rain Garden	MRNG	E
Enhanced Filter	MENF	E
Open Channel Systems		
Dry Swale	ODSW	S
Wet Swale	OWSW	S
Bio-Swale	MSWB	E
Grass Swale	MSWG	E
Wet Swale	MSWW	E
Alternative Surfaces		
Green Roof - Extensive	AGRE	E
Green Roof - Intensive	AGRI	E
Permeable Pavement	APRP	E
Reinforced Turf	ARTF	E

Code Description	Code	Class
Nonstructural Techniques		
Non-Rooftop Disconnect	NDNR	E
Rooftop Disconnect	NDRR	E
Sheetflow to Conservation Area	NSCA	E
Other Systems		
Rainwater Harvesting	MRWH	E
Other Practices		
Extended Detention Structure, Dry	XDED	S
Detention Structure (Dry Pond)	XDPD	S
Flood Management Area	XFLD	S
Oil Grit separator	XOGS	S
Other	OTH	
Alternative BMP		
Mechanical Street Sweeping	MSS	A
Advanced Street Sweeping)	VSS	A
Catch Basin Cleaning	CBC	A
Cleaning)	SDV	A
Stream Restoration	STRE	A
Outfall Stabilization	OUT	A
Shoreline Management	SHST	A
Septic Connections to WWTP	SEPC	A
Septic Denitrification	SEPD	A
Septic Pumping	SEPP	A
from Grey Infrastructure	DGI	A
Floating Treatment Wetlands	XFTW	A
to pervious)	IMPP	A
Impervious Surface to Forest (i.e., IMPP + FPU)	IMPF	A
Planting)	FPU	A
Conservation Landscaping	CLTM	A
Forest Conservation	FCO	A
Riparian Conservation Landscaping	RCL	A
Riparian Forest Planting	RFP	A
Street Trees	STCI	A
Surfaces)	USRP	A
Surfaces)	USRI	A
Canopy over Turf)	UTC	A
Stormwater Conveyance System	SPSD	A