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Department of  
Land and Resource Management  
Carroll County Government  
225 North Center Street  
Westminster, Maryland 21157

December 18, 2018

Raymond P. Bahr  
Program Review Division Chief  
Sediment, Stormwater and Dam Safety Program  
Maryland Department of the Environment  
1800 Washington Boulevard  
Baltimore, Maryland 21230

Re: Watershed Protection and Restoration Program  
2018 Carroll County Financial Assurance Plan

Dear <sup>Ray</sup>Mr. Bahr:

The attached Carroll County 2018 Financial Assurance Plan (FAP) is being submitted per requirements of the Code of Maryland Regulations (COMAR) subsection 4-202-1. The FAP has been prepared per the Maryland Department of the Environment developed spreadsheets and approved per the requirements of subsection 4-201.1(J)(3). The Board of County Commissioners of Carroll County held two public venues regarding the FAP:

1. A November 8, 2018 briefing by staff to the Board regarding the FAP, which included Board approval to move forward to a public hearing.
2. A November 29, 2019 public hearing in which the Board approved the FAP (minutes of the session are attached to this correspondence).

The Carroll County 2018 FAP demonstrates sufficient funding in the current fiscal year and subsequent budgets to meet its anticipated costs per requirements in COMAR 4-202.1. Therefore, Carroll County feels it has met its statutory requirements with this 2018 submittal. Also included in this submittal is the Watershed Protection and Restoration Program Annual Report Table.

While the FAP reflects current conditions related to impervious surface assessment and stormwater wasteload allocations, the County expressly reserves the right to modify and amend such numbers as may be necessary based on future refinements, new or additional information, re-interpretations, or ongoing litigation. This is especially significant since the projected years FY2021-FY2023 are being provided without an existing permit or even a permit draft on which to base levels of effort or estimated costs comfortably.

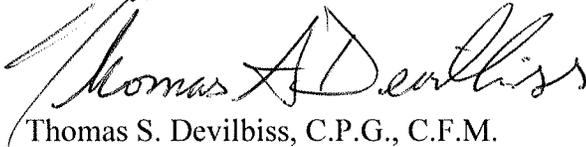
**Carroll County**

*a great place to live, a great place to work, a great place to play*

Mr. Raymond P. Bahr  
2018 Carroll County Financial Assurance Plan  
December 18, 2018  
Page Two

Finally, I would like to extend the County's sincere appreciation to you and your staff for your continued support and assistance during the submittal process. I look forward to MDE and the County continuing to work jointly on any issues through the review and reporting process.

Sincerely,

A handwritten signature in black ink that reads "Thomas S. Devilbiss". The signature is written in a cursive style with a large, sweeping initial 'T'.

Thomas S. Devilbiss, C.P.G., C.F.M.  
Director

cc: Board of County Commissioners  
Timothy C. Burke, County Attorney  
Water Resource Coordination Council  
Gale Engles, Bureau Chief, Bureau of Resource Management  
Glenn Edwards, Department of Land and Resource Management  
Brenda Dinne, Department of Land and Resource Management

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#### MS4 Information

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| Jurisdiction                           | Carroll County Government  |
| Contact Name                           | Tom Devilbiss  |
| Phone                                  | 410-386-2639   |
| Address                                | 225 N Center Street  |
| City                                   | Westminster  |
| State                                  | Maryland   |
| Zip                                    | 21157  |
| Email                                  | <a href="mailto:tdevilbiss@carrollcountymd.gov">tdevilbiss@carrollcountymd.gov</a> |
| Baseline Treatment Requirement (Acres) | 1614.00  |
| Permit Num                             | 11-DP-3319   |
| Reporting Year                         | 2018   |

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#### **Check with MDE Geodatabase:**

Should match Permit info table of Geodatabase, except for Impervious Acre Baseline-- that should match Impervious Surface Table.

#### **Background**

The 2015 Maryland General Assembly passed Senate Bill 863 – Watershed Protection and Restoration Programs – Revisions. While SB 863 repealed the mandate for Phase I MS4 permittees to implement a stormwater remediation fee to fund stormwater projects, in its place, the bill requires annual reporting to Maryland Department of the Environment (MDE) for certain information related to the Watershed Protection and Restoration Fund and stormwater projects implemented during the previous year. SB 863 also requires a jurisdiction to file a financial assurance plan (FAP) with MDE every two years. The first report was filed by July 1, 2016, and then every two years thereafter on the anniversary date of the issuance of the NPDES Phase 1 MS4 permit.

The FAP must demonstrate that the jurisdiction has sufficient funding in the current fiscal year and subsequent budgets to meet its anticipated costs for the 2-year period immediately following the filing date of the plan. The local governing body must hold a public hearing and approve an FAP before it can be submitted to MDE. MDE will make the plan publically available on its website within 14 days after the plan is submitted.

MDE has 90 days from receipt of the FAP to determine if a jurisdiction's FAP demonstrates sufficient funding. Starting September 1, 2016, and every year thereafter, MDE must submit an annual report to the Governor and environmental committees of the Maryland General Assembly evaluating the compliance of Phase I jurisdictions with the requirements of the stormwater fee law.

#### **Summary of Carroll County FAP**

Carroll County's third generation permit, which expired in 2009, required restoration of 10 percent of untreated impervious surface. The initial 10 percent restoration requirement was achieved in 2009. The County continued to work toward the next 10 percent, as required by the permit, while awaiting issuance of the fourth generation permit. By the issuance of the fourth generation permit in December 2014,

restoration of 23 percent of the untreated impervious surface had been achieved. Because the original 10 percent was complete, and work on the next 20 percent began in 2009, all projects completed that contribute toward the current 20 percent requirement have been included in the current submittal to ensure proper credit is given. Total operating and capital costs of \$34,331,808 have been expended thus far through FY 2018 to comply with the 20 percent restoration requirement of the current permit.

With the fourth generation permit, which was issued December 29, 2014, Carroll County and its eight municipalities became co-permittees. The permit requires restoration of 20 percent of untreated impervious surface in the unincorporated areas of the county, as well as restoration of 20 percent of untreated impervious surface in the municipalities. With the addition of the municipalities to the permit, the impervious surface was reassessed, and 1614 acres used for this FAP.

The County projects spending a total of \$40,738,651 (Sheet 1 Total Permit Term) over the permit term for completed and planned projects (Sheet 1 Total Next Two Years of \$19,565,000 plus Sheet 5 Total Complete to Date of \$21,173,651). Impervious area restored is projected to be greater than 20 percent through the end of this permit term in anticipation of additional restoration requirements that will be included in the fifth generation permit, the amount of which as yet has not been determined by MDE. In addition, the FAP demonstrates that revenues are projected to meet estimated Impervious Surface Restoration Plan (ISRP) costs for the two-year period following the filing date, as shown on Sheet 3. This two year estimate is provided without a commitment as no draft permit or impervious restoration requirement has been provided by MDE>

Additional items that should be noted are as follows:

- "All Actions" and "Spec Actions" Worksheets – Projects completed prior to 2009 but counting toward the current permit's 20 percent restoration requirement are included in these worksheets to ensure proper credit toward the current permit's ISRP.
- "All Actions" Worksheet – Costs under "Other" were not funded by County revenues. Therefore, no cost is reported. These BMPs were acquired through the development process, as a result of County policies and requirements, and contribute toward the County's impervious surface restoration requirement.
- "Spec Actions" Worksheet – Septic pumping does not appear under operating costs, as it is not a cost incurred by the County. These costs are paid by the individual property owners.

The specifics and details related to restoration projects and program implementation can be found in the County's annual NPDES reports. Funding and efforts related to NPDES permit compliance have historically been, and continue to be, a high priority for Carroll County and its municipal co-permittees. This FAP provides confirmation related to that commitment, and, therefore, this submittal represents a level of effort which meets the spirit and intent of SB 863.

**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: 1,614 Requirement: 20%

| REST BMP TYPE*  | BMP CLASS | IMP ACRES | IMPL COST   | % ISRP COMPLETE | IMPL STATUS**      | PROJECTED IMPL YR |  |
|---|-----------|-----------|-------------|-----------------|--------------------|-------------------|--|
| <b>Operational Programs</b>   |           |           |             |                 |                    |                   |  |
|   |           |           |             | 0.0%            |                    |                   |  |
|   |           |           |             | 0.0%            |                    |                   |  |
|   |           |           |             | 0.0%            |                    |                   |  |
|   |           |           |             | 0.0%            |                    |                   |  |
|   |           |           |             | 0.0%            |                    |                   |  |
|   |           |           |             | 0.0%            |                    |                   |  |
|   |           |           |             | 0.0%            |                    |                   |  |
|   |           |           |             | 0.0%            |                    |                   |  |
|   |           |           |             | 0.0%            |                    |                   |  |
| Average Operations Next Two Years (FY2019-FY2020)***                  |           | #DIV/0!   | \$0         | 0.0%            |                    |                   |  |
| Average Operations Permit Term (FY2015-FY2020)***                     |           | #DIV/0!   | \$0         | 0.0%            |                    |                   |  |
| Average Operations Permit Term and Projected Years (FY2015-FY2022)*** |           | #DIV/0!   | \$0         | 0.0%            |                    |                   |  |
| <b>Capital Projects</b>   |           |           |             |                 |                    |                   |  |
| FSND  | S         | 90.5      | \$2,600,000 | 5.6%            | Under Construction | 2019              | Elderwood Village  |
| PWED  | S         | 225.99    | \$6,000,000 | 14.0%           | Proposed           | 2019              | Langdon, Roberts, Shannon                                |
| WPKT  | S         | 11        | \$200,000   | 0.7%            | Proposed           | 2019              | Locust   |
| FSND  | S         | 73.68     | \$4,325,000 | 4.6%            | Proposed           | 2019              | Merridale, Shiloh, Whisper                               |
| FPU   | A         | 5.3       | \$62,000    | 0.3%            | Planning           | 2019              | Treeplanting   |
| FSND  | S         | 83.33     | \$800,000   | 5.2%            | Proposed           | 2020              | Central Dry, Greens 2 #6                                 |
| PWED  | S         | 216.88    | \$3,990,000 | 13.4%           | Proposed           | 2020              | Hampstead Reg., Willow                                   |
| WPKT  | A         | 85        | \$1,500,000 | 5.3%            | Proposed           | 2020              | Cascade Lake   |
| FPU   | A         | 6.7       | \$88,000    | 0.4%            | Proposed           | 2020              | Treeplanting   |
| FSND  | S         | 79.57     | \$3,005,000 | 4.9%            | Proposed           | 2021              | Byrn., Candice, Elmer, Manch. Ele., Val Vista, Woods (2) |
| WEDW  | S         | 22.5      | \$550,000   | 1.4%            | Proposed           | 2021              | Melstone   |
| FSND  | S         | 25.44     | \$860,000   | 1.6%            | Proposed           | 2022              | IDA, Piney AB 57   |
| PWED  | S         | 49.76     | \$1,175,000 | 3.1%            | Proposed           | 2022              | Squires, Winters   |
| XDPD  | S         | 52        | \$620,000   | 3.2%            | Proposed           | 2022              | Trevanion Terrace  |
| WPKT  | S         | 15.34     | \$500,000   | 1.0%            | Proposed           | 2023              | New Windsor Rail   |
| PWED  | S         | 60.7      | \$1,750,000 | 3.8%            | Proposed           | 2023              | Wind S., Man East, Meadowbrook                           |
| FSND  | S         | 6.72      | \$500,000   | 0.4%            | Proposed           | 2023              | C. C. Health   |

|  |   |               |                     |               |  |           |
|--|---|---------------|---------------------|---------------|--|-----------|
|  |   |               |                     | 0.0%          |  |           |
|  |   |               |                     | 0.0%          |  |           |
|  |   |               |                     | 0.0%          |  |           |
| Subtotal Capital Next Two Years (FY2019-FY2020)                  |   | 798.38        | \$19,565,000        | 49%           |  |           |
| Subtotal Capital Permit Term (FY2015-FY2020)                     |   | 1685.67       | \$40,686,142        | 104.4%        |  |           |
| Subtotal Capital Permit Term and Projected Years (FY2015-FY2023) |   | 1997.7        | \$49,646,142        | 123.8%        |  |           |
| <b>Other</b>   |   |               |                     |               |  |           |
| GWB  | E | 13.5          |                     | 0.8%          |  | 2019      |
| FB   | E | 3.24          |                     | 0.2%          |  | 2019      |
| GWB  | E | 13.5          |                     | 0.8%          |  | 2020      |
| FB   | E | 3.24          |                     | 0.2%          |  | 2020      |
| GWB  | E | 13.5          |                     | 0.8%          |  | 2021      |
| FB   | E | 3.24          |                     | 0.2%          |  | 2021      |
| GWB  | E | 27            |                     | 1.7%          |  | 2022-2023 |
| FB   | E | 6.48          |                     | 0.4%          |  | 2022-2023 |
| Subtotal Other Next Two Years (FY2019-FY2020)                    |   | 33            | \$0                 | 2.07%         |  |           |
| Subtotal Other Permit Term (FY2015-FY2020)                       |   | 781           | \$52,509            | 48.4%         |  |           |
| Subtotal Other Permit Term and Projected Years (FY2015-FY2023)   |   | 831           | \$52,509            | 51.5%         |  |           |
| <b>Total Next Two Years (FY2019-FY2020)</b>                      |   | <b>831.9</b>  | <b>\$19,565,000</b> | <b>51.5%</b>  |  |           |
| <b>Total Permit Term (FY2015-FY2020)</b>                         |   | <b>2466.7</b> | <b>\$40,738,651</b> | <b>152.8%</b> |  |           |
| <b>Total Permit Term and Projected Years (FY2015-FY2023)</b>     |   | <b>2828.9</b> | <b>\$49,698,651</b> | <b>175.3%</b> |  |           |

No Cost to County Acquires thru Development  
No Cost to County Acquires thru Development

**Check with MDE 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.

\*Use BMP domains from MDE Geodatabase.

\*\*Complete, Under Construction, Planning, or Proposed

\*\*\*IMPL COST is a summation and not an average.

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The Capital Expenditures beyond 2020 are projected; not committed since the next generation permit will not be issued until FY 2021.

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 2017 | CURRENT YEAR FY 2018 | PROJECTED YEAR 1 FY 2019 | PROJECTED YEAR 2 FY 2020 | PROJECTED YEAR 3 FY 2021 | PROJECTED YEAR 4 FY 2022 | PROJECTED YEAR 5 FY 2023 | TOTAL COSTS         |
|---|----------------------|----------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|---------------------|
| <b>Operating Expenditures (costs)</b>         |                      |                      |                          |                          |                          |                          |                          |                     |
| Street Sweeping Program                       |                      |                      |                          |                          |                          |                          |                          | \$0                 |
| Inlet Cleaning                                |                      |                      |                          |                          |                          |                          |                          | \$0                 |
| Support of Capital Projects                   | \$5,020,051          | \$1,096,425          | \$1,158,150              | \$1,194,328              | \$1,241,897              | \$1,291,832              | \$1,344,278              | \$12,346,961        |
| Debt Service Payment                          | \$2,327,314          | \$1,003,963          | \$1,060,000              | \$1,393,691              | \$1,747,317              | \$2,100,312              | \$2,444,301              | \$12,076,898        |
| Other (please stipulate program expenditure)* | -                    | -                    | -                        | -                        | -                        | -                        | -                        | \$0                 |
| <b>Capital Expenditures (costs)</b>           |                      |                      |                          |                          |                          |                          |                          |                     |
| General Fund (Paygo)                          |                      |                      |                          |                          |                          |                          |                          | \$0                 |
| WPR Fund (Paygo)                              |                      |                      |                          |                          |                          |                          |                          | \$0                 |
| Municipalities                                | \$1,314,321          | \$595,524            | \$562,230                | \$330,957                | \$681,570                | \$713,895                | \$747,312                | \$4,945,809         |
| Debt Service                                  | \$10,206,289         | \$0                  | \$2,692,000              | \$3,026,900              | \$2,774,000              | \$2,850,000              | \$2,920,000              | \$24,469,189        |
| Grants & Partnerships                         | \$11,930,358         | \$837,563            |                          |                          |                          |                          |                          | \$12,767,921        |
| Other (please stipulate capital expenditure)* | -                    | -                    | -                        | -                        | -                        | -                        | -                        | \$0                 |
| Subtotal operation and paygo:                 | \$7,347,365          | \$2,100,388          | \$2,218,150              | \$2,588,019              | \$2,989,214              | \$3,392,144              | \$3,788,579              | \$24,423,859        |
| <b>Total expenditures:</b>                    | <b>\$30,798,333</b>  | <b>\$3,533,475</b>   | <b>\$5,472,380</b>       | <b>\$5,945,876</b>       | <b>\$6,444,784</b>       | <b>\$6,956,039</b>       | <b>\$7,455,891</b>       | <b>\$66,606,778</b> |

The Expenditures beyond 2020 are projected; not committed since the next generation permit will not be issued until FY 2021.

Total ISRP costs except debt service: \$54,529,880  
 Compare ISRP costs (except debt service) / total ISRP proposed actions: 110%

**Check with MDE Geodatabase:**

The total current FY 2018 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 FY 2019 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 necessary.

**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 2017 | CURRENT YEAR FY 2018 | PROJECTED YEAR 1 FY 2019 | PROJECTED YEAR 2 FY 2020 | PROJECTED YEAR 3 FY 2021 | PROJECTED YEAR 4 FY 2022 | PROJECTED YEAR 5 FY 2023 | TOTAL NEXT 2-YEARS FY 19-20* | TOTAL        |
|--|----------------------|----------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|------------------------------|--------------|
| Annual Revenue** Appropriated for ISRP | \$36,766,403         | \$7,994,333          | \$5,407,270              | \$5,990,984              | \$6,496,760              | \$7,004,425              | \$7,505,729              | \$11,398,254                 | \$77,165,904 |
| Annual Costs towards ISRP***           | \$30,798,333         | \$3,533,475          | \$5,472,380              | \$5,945,876              | \$6,444,784              | \$6,956,039              | \$7,455,891              | \$11,418,256                 | \$66,606,778 |

Compare revenue appropriated / annual costs: **116%**  
WPRP 2018 Reporting Criteria **100%**

ISRP = Impervious Surface Restoration Program, or 20% Restoration Requirement

\* 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. Note that the appropriations and expenditures include time period up to FY 2020.

\*\* Revenue means "dedicated revenues, funds, or sources of funds (per Article 4-202.1(j)(4)(ii)). Note that budget appropriations have only been approved by governing bodies through FY 2018 at the time of FAP reporting.

\*\*\* See table of ISRP Cost.

The Capital Revenues and Other Funds beyond 2020 are projected; not committed since the next generation permit will not be issued until FY 2021.

**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 2017 | CURRENT YEAR FY 2018 | PROJECTED YEAR 1 FY 2019 | PROJECTED YEAR 2 FY 2020 | PROJECTED YEAR 3 FY 2021 | PROJECTED YEAR 4 FY 2022 | PROJECTED YEAR 5 FY 2023 | TOTAL PERMIT CYCLE   |
|--|----------------------|----------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|----------------------|
| <b>Paygo Sources</b>   |                      |                      |                          |                          |                          |                          |                          |                      |
| Stormwater Remediation Fees (WPR Fund)   |                      |                      |                          |                          |                          |                          |                          | \$ -                 |
| Miscellaneous Fees (WPR Fund)  |                      |                      |                          |                          |                          |                          |                          | \$ -                 |
| General Fund   | \$ 5,673,847         |                      |                          |                          |                          |                          |                          | \$ 5,673,847         |
| Property Tax   | \$ 4,110,973         | \$ 2,218,160         | \$ 2,143,040             | \$ 2,623,627             | \$ 3,026,190             | \$ 3,430,530             | \$ 3,828,417             | \$ 21,380,937        |
| Municipalities   | \$ 1,314,321         | \$ 595,524           | \$ 562,230               | \$ 330,957               | \$ 681,570               | \$ 713,895               | \$ 747,312               | \$ 4,945,809         |
| Development Contributions  | \$ 527,897           |                      |                          |                          |                          |                          |                          | \$ 527,897           |
| Interest   | \$ 6,272             | \$ 9,132             | \$ 10,000                | \$ 10,000                | \$ 10,000                | \$ 10,000                | \$ 10,000                | \$ 65,404            |
| <b>Subtotal Paygo Sources</b>  | <b>\$ 11,633,310</b> | <b>\$ 2,822,816</b>  | <b>\$ 2,715,270</b>      | <b>\$ 2,964,584</b>      | <b>\$ 3,717,760</b>      | <b>\$ 4,154,425</b>      | <b>\$ 4,585,729</b>      | <b>\$ 32,593,894</b> |
| <b>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).</b> |                      |                      |                          |                          |                          |                          |                          |                      |
| County Transportation Bonds  |                      |                      |                          |                          |                          |                          |                          | \$ -                 |
| General Obligation Bonds   | \$ 15,271,033        | \$ 2,894,600         | \$ 2,692,000             | \$ 3,026,400             | \$ 2,779,000             | \$ 2,850,000             | \$ 2,920,000             | \$ 32,433,033        |
| Revenue (Utility) Bonds  |                      |                      |                          |                          |                          |                          |                          | \$ -                 |
| State Revolving Loan Fund  |                      |                      |                          |                          |                          |                          |                          | \$ -                 |
| Public-private partnership (debt service)  |                      |                      |                          |                          |                          |                          |                          | \$ -                 |
| <b>Subtotal Debt Service</b>   | <b>\$ 15,271,033</b> | <b>\$ 2,894,600</b>  | <b>\$ 2,692,000</b>      | <b>\$ 3,026,400</b>      | <b>\$ 2,779,000</b>      | <b>\$ 2,850,000</b>      | <b>\$ 2,920,000</b>      | <b>\$ 32,433,033</b> |
| <b>Grants and Partnerships (no payment is expected)</b>  |                      |                      |                          |                          |                          |                          |                          |                      |
| State funded grants  |                      |                      |                          |                          |                          |                          |                          | \$ -                 |
| Federal funded grants  | \$ 8,599,485         | \$ 174,510           |                          |                          |                          |                          |                          | \$ 8,773,995         |
| Public-private partnership (matched grant)   | \$ 1,262,575         | \$ 2,102,407         |                          |                          |                          |                          |                          | \$ 3,364,982         |
| <b>Subtotal Grants and Partnerships</b>  | <b>\$ 9,862,060</b>  | <b>\$ 2,276,917</b>  | <b>\$ -</b>              | <b>\$ 12,138,977</b> |
| <b>Total Annual Sources of Funds</b>   | <b>\$ 36,766,403</b> | <b>\$ 7,994,333</b>  | <b>\$ 5,407,270</b>      | <b>\$ 5,990,984</b>      | <b>\$ 6,496,760</b>      | <b>\$ 7,004,425</b>      | <b>\$ 7,505,729</b>      | <b>\$ 56,158,990</b> |
| <b>Percent of Funds Directed Toward ISRP</b>   | <b>83.77%</b>        | <b>44.20%</b>        | <b>101.20%</b>           | <b>99.25%</b>            | <b>99.20%</b>            | <b>99.31%</b>            | <b>99.34%</b>            |                      |

Compare total permit term paygo ISRP costs / subtotal permit term paygo sources: **71%**  
 Compare total permit term ISRP costs / total permit term annual sources of funds: **81%**

\* WPR Fund: Watershed Protection and Restoration Fund.

**Check with MDE Geodatabase:**

The total sources related to WPR Funds in Current FY 2018 should march the "WPR\_Fund" field of the geodatabase.

The Sources of Funds beyond 2020 are projected; not committed since the next generation permit will not be issued until FY 2021

VERSION 2-28-18

Changed formula to reflect current permit term amounts/consistent with total permit term paygo ISRP costs.

**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: 1,614

Requirement: 20%

| REST BMP ID                 | REST BMP TYPE | BMP CLASS | NUM BMP | IMP ACRES | BUILT DATE | IMPL COST   | % ISRP Complete | IMPL STATUS | GEN COMMENTS              |
|-----------------------------|---------------|-----------|---------|-----------|------------|-------------|-----------------|-------------|---------------------------|
| <b>Operational Programs</b> |               |           |         |           |            |             |                 |             |                           |
|                             |               |           |         |           |            |             | 0.0%            |             |                           |
|                             |               |           |         |           |            |             | 0.0%            |             |                           |
|                             |               |           |         |           |            |             | 0.0%            |             |                           |
|                             |               |           |         |           |            |             | 0.0%            |             |                           |
| Complete To Date*           |               |           | #DIV/0! | #DIV/0!   |            | \$0         | 0.0%            |             |                           |
| <b>Capital Projects</b>     |               |           |         |           |            |             |                 |             |                           |
| CR05RST000001               | FSND          | S         | 1       | 1.4       | 1/1/9999   | \$8,000     | 0.1%            | Complete    | Eldersburg Elementary Sc* |
| CR07RST000001               | ITRN          | S         | 1       | 0.6       | 9/25/2008  | \$154,427   | 0.0%            | Complete    | Marriott Wood I Facility* |
| CR07RST000002               | ITRN          | S         | 1       | 0.2       | 2/22/2007  | \$16,000    | 0.0%            | Complete    | Winfield Fire Department* |
| CR09RST000001               | IBAS          | S         | 1       | 6.6       | 9/16/2008  | \$105,138   | 0.4%            | Complete    | Hickory Ridge             |
| CR09RST000002               | FSND          | S         | 1       | 2.8       | 12/3/2008  | \$154,067   | 0.2%            | Complete    | Marriott Wood I Facility* |
| CR09RST000003               | FSND          | S         | 1       | 1.9       | 9/17/2008  | \$69,468    | 0.1%            | Complete    | Marriott Wood II          |
| CR09RST000005               | FSND          | S         | 1       | 3.9       | 5/12/2009  | \$172,208   | 0.2%            | Complete    | Collins Estate            |
| CR09RST000006               | IBAS          | S         | 1       | 6.2       | 1/5/2009   | \$125,669   | 0.4%            | Complete    | Bateman SWM Pond          |
| CR10RST000001               | FSND          | S         | 1       | 3.4       | 9/25/2009  | \$96,312    | 0.2%            | Complete    | Elderwood Village         |
| CR10RST000002               | FSND          | S         | 1       | 8.1       | 6/15/2010  | \$198,775   | 0.5%            | Complete    | Oklahoma II Foothills     |
| CR10RST000003               | FSND          | S         | 1       | 0.9       | 12/30/2009 | \$217,972   | 0.1%            | Complete    | High Point                |
| CR09RST000004               | PWED          | S         | 1       | 93.5      | 10/31/2008 | \$917,588   | 5.8%            | Complete    | Airport                   |
| CR11RST000001               | PWED          | S         | 1       | 6.6       | 9/16/2010  | \$177,964   | 0.4%            | Complete    | Arthur Ridge              |
| CR12RST000002               | PWED          | S         | 1       | 23.25     | 3/23/2012  | \$318,122   | 1.4%            | Complete    | Quail                     |
| CR12RST000004               | PWED          | S         | 1       | 11.25     | 6/13/2012  | \$345,448   | 0.7%            | Complete    | Harvest                   |
| CR14RST000003               | PWED          | S         | 1       | 18.58     | 8/28/2014  | \$506,460   | 1.2%            | Complete    | Friendship                |
| CR13RST000007               | PWED          | S         | 1       | 14.27     | 12/13/2013 | \$398,207   | 0.9%            | Complete    | Carrolltown 2B            |
| CR15RST000003               | PWED          | S         | 1       | 87.85     | 12/8/2015  | \$2,311,479 | 5.4%            | Complete    | West. Comm.               |
| CR10RST000001               | FSND          | S         | 1       | 10        | 9/28/2010  | \$187,873   | 0.6%            | Complete    | Oklahoma I                |
| CR09RST000002               | FSND          | S         | 1       | 16.7      | 11/3/2010  | \$279,590   | 1.0%            | Complete    | Edgewood                  |
| CR09RST000003               | FSND          | S         | 1       | 13.9      | 4/7/2010   | \$275,799   | 0.9%            | Complete    | Naganna                   |
| CR11RST000002               | FSND          | S         | 1       | 12.6      | 10/29/2010 | \$236,321   | 0.8%            | Complete    | Brimfield                 |
| CR11RST000001               | FSND          | S         | 1       | 4.1       | 12/15/2010 | \$344,723   | 0.3%            | Complete    | Hoff                      |
| CR11RST000004               | FSND          | S         | 1       | 4.1       | 12/7/2011  | \$98,348    | 0.3%            | Complete    | Heritage Heights          |
| CR12RST000003               | FSND          | S         | 1       | 18.2      | 8/3/2012   | \$527,368   | 1.1%            | Complete    | Parrish                   |
| CR12RST000001               | FSND          | S         | 1       | 15.24     | 8/30/2012  | \$298,094   | 0.9%            | Complete    | Clipper/Gardenia          |
| CR13RST000005               | FSND          | S         | 1       | 25.49     | 2/14/2013  | \$751,630   | 1.6%            | Complete    | Clipper/Hilltop           |
| CR12RST000005               | FSND          | S         | 1       | 1.63      | 12/10/2012 | \$23,388    | 0.1%            | Complete    | Wilda Drive               |
| CR13RST000004               | FSND          | S         | 1       | 44.81     | 9/25/2013  | \$1,093,671 | 2.8%            | Complete    | WHS                       |
| CR13RST000003               | FSND          | S         | 1       | 20.55     | 6/24/2013  | \$247,708   | 1.3%            | Complete    | Benjamins Claim           |
| CR14RST000002               | FSND          | S         | 1       | 16.27     | 6/27/2014  | \$297,683   | 1.0%            | Complete    | Diamond 5                 |
| CR14RST000004               | FSND          | S         | 1       | 47.26     | 11/25/2014 | \$959,525   | 2.9%            | Complete    | Carroll/Gemini            |

|                                   |      |   |              |                |            |                     |               |              |                            |                      |
|-----------------------------------|------|---|--------------|----------------|------------|---------------------|---------------|--------------|----------------------------|----------------------|
| CR15RST000004                     | FSND | S | 1            | 11.22          | 11/17/2015 | \$523,930           | 0.7%          | Complete     | Eldersburg 3-5             |                      |
| CR15RST000009                     | FSND | S | 1            | 10.52          | 12/23/2015 | \$491,632           | 0.7%          | Complete     | Braddock Manor             |                      |
| Multiple Numbers                  | FPU  | A | 34           | 7.13           | 2013       | \$55,642            | 0.4%          | Complete     | Tree Plantings 2013        |                      |
| Multiple Numbers                  | FPU  | A | 29           | 9.64           | 2014       | \$214,587           | 0.6%          | Complete     | Tree Plantings 2014        |                      |
| Multiple Numbers                  | FPU  | A | 35           | 20.25          | 2015       | \$284,363           | 1.3%          | Complete     | Tree Plantings 2015        |                      |
| Multiple Numbers                  | FPU  | A | 32           | 11.97          | 2016       | \$136,798           | 0.7%          | Complete     | Tree Plantings 2016        |                      |
| CR16RST000003                     | FSND | S | 1            | 34.44          | 12/9/2016  | \$876,727           | 2.1%          | Complete     | CC Maintenance Center      |                      |
| CR16RST000007                     | FBIO | S | 1            | 0.5            | 6/21/2016  | \$78,471            | 0.0%          | Complete     | Farm Museum Bio A          |                      |
| CR17RST000001                     | FBIO | S | 1            | 2.55           | 6/2/2017   | \$174,000           | 0.2%          | Complete     | Farm Museum Bio B          |                      |
| CR17RST000002                     | MRNG | S | 1            | 0.05           | 6/2/2017   | \$8,000             | 0.0%          | Complete     | Farm Museum Rain Garden    |                      |
| CR17RST000003                     | MILS | S | 1            | 0.06           | 6/2/2017   | \$25,000            | 0.0%          | Complete     | Farm Museum Land Infil     |                      |
| CR17RST000004                     | MIDW | A | 1            | 0.03           | 6/2/2017   | \$6,000             | 0.0%          | Complete     | Farm Museum Drywell        |                      |
| CR17RST000005                     | MRWH | A | 1            | 0.01           | 6/2/2017   | \$1,250             | 0.0%          | Complete     | Farm Museum Rain Barrell   |                      |
| CR18RST000004                     | FSND | S | 1            | 1.72           | 12/31/2017 | \$37,466            | 0.1%          | Complete     | Feeser                     |                      |
| CR16RST000001                     | PWED | S | 1            | 22.34          | 7/10/2017  | \$2,470,982         | 1.4%          | Complete     | Finksburg Industrial Park  |                      |
| CR16RST000002                     | PWED | S | 1            | 35.24          | 11/22/2016 | \$1,253,668         | 2.2%          | Complete     | Miller/Watts               |                      |
| CR18RST000001                     | PWED | S | 1            | 70.36          | 12/31/2018 | \$316,000           | 4.4%          | Complete     | Eldersburg Business Center |                      |
| CR16RST000004                     | FSND | S | 1            | 11.02          | 1/8/2018   | \$431,520           | 0.7%          | Complete     | Small Crossing Sand Filter |                      |
| CR16RST000005                     | FBIO | S | 1            | 0.53           | 1/8/2018   | \$75,000            | 0.0%          | Complete     | Small Crossing Bio Ret     |                      |
| CR16RST000014                     | FSND | S | 1            | 11.25          | 7/24/2018  | \$531,558           | 0.7%          | Complete     | Blue Ridge Manor           |                      |
| CR16RST000012                     | PWED | S | 1            | 35.51          | 12/31/2018 | \$800,000           | 2.2%          | Complete     | Central MD (wet)           |                      |
| CR16RST000018                     | WPKT | S | 1            | 25.1           | 12/31/2018 | \$200,000           | 1.6%          | Complete     | Hawk Ridge                 |                      |
| CR18RST000003                     | PWED | S | 1            | 16.57          | 8/27/2018  | \$78,700            | 1.0%          | Complete     | Exceptional Center         |                      |
| Multiple Numbers                  | FPU  | A | 23           | 7.13           | 6/1/2018   | \$134,823           | 0.4%          | Complete     | Tree Plantings Fall 2017   |                      |
| Subtotal Capital Complete To Date |      |   | 204          | 887.29         |            | \$21,121,142        | 54.97%        |              |                            |                      |
| <b>Other</b>                      |      |   |              |                |            |                     |               |              |                            |                      |
| CR09RST000005                     | FUND | S | 1            | 12.89          | 2009       | \$0.00              | 0.8%          | Complete     | So. Carroll High School    | Redevelopment        |
| CR18RST000009                     | FSND | S | 1            | 22.52          | 2018       | \$0.00              | 1.4%          | Random House | Random House               | Redevelopment        |
| TBD                               | SEPP | A | 1            | 260.13         | 2018       | \$0.00              | 16.1%         | Annual       | Septic Pumping             | West WWTP (Annual)   |
| TBD                               | GWB  | E | 266          | 165.34         | 2018       | \$0.00              | 10.2%         | Complete     | Grass Buffer- Easements    | Need # of properties |
| TBD                               | FB   | E | 112          | 203.96         | 2018       | \$0.00              | 12.6%         | Complete     | Forest Buffer              | Need # of properties |
| CR15RST000010                     | FSND | S | 1            | 0.56           | 2015       | \$0.00              | 0.0%          | Complete     | Benjamin's Claim B         | Public Works Project |
| TBD                               | FSND | S | 1            | 3.3            | 2013       | \$0.00              | 0.2%          | Complete     | Sunnyside (Lippy)          | Private Property     |
| TBD                               | CBC  | A | 851          | 13.56          | 2018       | \$0.00              | 0.8%          | Complete     | Inlet Cleaning             |                      |
| TBD                               | SEPP | A | 1            | 48.62          | 2018       | \$0.00              | 3.0%          | Complete     | Septic Upgrades (to date)  |                      |
| TBD                               | MSS  | A | 24           | 5.99           | 2018       | \$0.00              | 0.4%          | Complete     | Street Sweeping            |                      |
| CR17ALN000001                     | OUT  | A | 1            | 0.5            | 2016       | \$52,509            | 0.0%          | Complete     | Jenna Estates Outfall      |                      |
| CR06ALN000001                     | OUT  | A | 1            | 10             | 2006       | \$0.00              | 0.6%          | Complete     | Chung Outfall Restoration  |                      |
| TBD                               | IMPP | A | 1            | 0.13           | 2012       | \$0.00              | 0.0%          | Complete     | Hampstead Imp. Removal     |                      |
| Subtotal Other Complete To Date   |      |   | 1262         | 748            |            | \$52,509            | 46.3%         |              |                            |                      |
| <b>Total Complete to Date</b>     |      |   | <b>1,466</b> | <b>1,634.8</b> |            | <b>\$21,173,651</b> | <b>101.3%</b> |              |                            |                      |

**Check with MDE 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

**Notes:**

For street sweeping indicate the annual frequency that the streets are swept and for inlet cleaning indicate the number of inlets cleaned-out.

\*IMPL COST is a summation and not an average.