

**Watershed Protection and Restoration Program Annual Report Table**

Article 4-202.1(i)(4): "The percentage and amount of funds in the local watershed protection and restoration fund spent on each of the purposes provided in subsection (h)(4) of this section;"

Program Element	Cost	Percent of WPRF
Capital Improvements for Stormwater Management	\$12,366,794	38.69%
O & M of SWM Systems and Facilities	\$523,976	1.64%
Public Education and Outreach	\$0	0.00%
Stormwater Management Planning (see Md. Environment Code Ann. § 4-202.1(h)(4)(iv))	\$1,362,114	4.26%
Review of Stormwater Management Plans and Permit Applications for New Development	\$0	0.00%
Grants to Nonprofit Organizations	\$240,646	0.75%
Adminstration of WPRF	\$0	0.00%
<b>TOTAL</b>	<b>\$14,493,531</b>	<b>45.34%</b>

Number of Properties Subject to Fee 259,737  
 Reporting Year 2017  
 11-DP-3317  
 Permit Number MD0068314

Comments:

Cost information is FY2017.

Percent of WPRF calculated as FY2017 cost divided by FY2017 funds deposited.

Jurisdiction	Agency	Local Ordinance Submitted to MDE	MDE Approval of Fee Reduction Policy
Baltimore County	Department of Environmental Protection and Sustainability	Yes	N/A

Use: Yes or No      Use the approval date or N/A

**Directions:**

**Notes:**  
 ERU = Equivalent residential unit

**Fee Reduction Amount**

1. SWM BMPs: Impervious treated by SWM BMPs discharge less pollution into water bodies, and require expenditures for construction and maintenance. In recognition of the water quality benefits and financial costs of SWM BMPs, impervious surfaces draining to a SWM BMP are discounted. The rate of discount based on SWM BMP efficiencies used by the Chesapeake Bay Program at the time the fee program was developed. This SWM BMP reduction is only available to Commercial and Institutional properties. SWM BMPs constructed and maintained with exclusively County or State funding do not provide a discount. Discount for a property cannot exceed 74% of ERUs, as 26% of the impervious surfaces in Baltimore County are on public land and every property should help pay for those shared impervious surfaces.

- 1.1. Detention or Hydrodynamic Structures: 8.3% reduction of ERUs.
- 1.2. Extended Detention: 33.3% reduction of ERUs.
- 1.3. Wet Ponds and Wetlands: 41.6% reduction of ERUs.
- 1.4. Infiltration Practices: 88.6% reduction of ERUs.
- 1.5. Filtration Practices: 60.0% reduction of ERUs.
- 1.6. ESD Practices: 66.6% reduction of ERUs.

2. Clean Marina participation: The DNR Clean Marina program reduces pollution that is discharged directly into the Chesapeake Bay through direct and indirect mechanisms. To encourage and reward Clean Marina participation, certified Clean Marinas receive a 50% reduction of ERUs.

3. Commercial-Residential primary residence credit: When a property supports both the owner's primary residence and a commercial business, it is unfair to bill the single family dwelling at the higher commercial rate. Therefore, the fee is reduced by an amount equal to the difference between 1 ERU at the commercial rate and 1 single family dwelling rate, subject to a minimum fee of 1 single family dwelling.

4. Mobile Home Parks: Instead of billing based on the impervious surface on site, mobile home parks are billed by tallying the number of mobile homes in the park and multiplying by the single family detached fee rate.

**Reduction amount(s), if any, with reason for reduction(s)**

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				Rate
Annual Single Family Residential Rate	Annual Commercial Rate	Equivalent Residential Unit (ERU) impervious	Commercial Capped Rates	Non-profits, Religious Organizations
Detached: \$17.00 per dwelling Attached: \$9.00 per dwelling Condo: \$15.00 per dwelling unit	\$31.00 per ERU  Note that commercial includes non-condo multifamily dwellings (e.g. apartment buildings).	2000 sq ft	N/A	\$9.00 per ERU

Use: N/A, amount of flate rate, rate amount per ERU, etc.

<b>Structures</b>			
<b>Exemptions</b>	<b>Federal Facilities Status</b>	<b>Federal Facility Fee(s)/Rate(s)</b>	<b>Additional Source 1: Interest</b>
1. Agricultural land without a dwelling is exempt. 2. Single Family Residential with no dwelling is exempt. 3. Financial Hardship exemption: primary residence of a person who receives one or more of the following: <ul style="list-style-type: none"> <li>• the Local Supplement to the Homeowner's Tax Credit (section 9-104 of Tax-Property Article of the Annotated Code of Maryland),</li> <li>• the property tax exemption for a disabled veteran or the surviving spouse of a disabled veteran (Section 7-208 of the Tax-Property Article of the Annotated Code of Maryland),</li> <li>• the property tax credit for surviving spouses of fallen law enforcement officers or rescue workers (section 11-2-109 of the Baltimore County Code 2003), or</li> <li>• the property tax credit for disabled law enforcement officers or rescue workers (section 11-2-109.1 of the Baltimore County Code 2003).</li> </ul>	Charged	\$9.00 per ERU	\$ 206,453

General description of exemption(s), if any

Use: No Facilities, Exempt, or Charged

Use: N/A or the fee and rate structures for federal facilities

Additional Sources of Funds				Estimated Annual Revenue
Additional Source 2: Metro Funds	Additional Source 3: General Obligation Bonds	Additional Source 4: State Aid	Additional Source 5: General Funds	
\$ 10,000,000	\$ 2,115,000	\$ 6,650,000	\$ 2,100,000	\$ 31,966,601

**Notes**

Estimated Annual Revenue is actual total cash collection of fees in FY2017, plus the additional sources.

**Article 4-202.1(i)(3): "The amount of money deposited into the watershed protection and restoration fund in the previous fiscal year by source;"**

Source	Amount
<b>Cash Collections of Fee to Fund</b>	<b>\$ 10,895,147</b>
Estimated Annual Single Family Detached Fees Collected	\$ 2,718,454
Estimated Annual Single Family Attached Fees Collected	\$ 599,964
Estimated Annual Single Family Condo Fees Collected	\$ 302,499
Estimated Annual Commercial Fees Collected	\$ 7,025,889
Estimated Non-profits, Religious Orgs Fees Collected	\$ 248,341
<b>Estimated Interest</b>	<b>\$ 206,453</b>
<b>Metro Funds Made Available</b>	<b>\$ 10,000,000</b>
<b>General Funds (9331R)</b>	<b>\$ -</b>
<b>Reallocated General Funds (9339R)</b>	<b>\$ 2,100,000</b>
<b>Current/Future G O Bonds (9441R)</b>	<b>\$ -</b>
<b>Reallocated G O Bonds (9449R)</b>	<b>\$ 2,115,000</b>
<b>Storm Water Waiver Fee (9650R)</b>	<b>\$ -</b>
<b>State Aid (9229R)</b>	<b>\$ 6,650,000</b>
<b>Reallocated State Aid (9236R)</b>	<b>\$ -</b>
<b>St Waterway Improve Fund (9226R)</b>	<b>\$ -</b>
<b>Department Natural Resources (9222R)</b>	<b>\$ -</b>
<b>Federal/State Aid (9119R)</b>	<b>\$ -</b>
<b>Other (9679R)</b>	<b>\$ -</b>
	<b>\$ 31,966,601</b>

Estimates calculated as percent of fees billed per category multiplied by cash collections of fee to fund.

This is an environmental fund as per Article 4-202.1(h)(5). Some of these funds are to be expended on purposes other than those authorized in 4-202.1(h)(4).

**All SWM Projects Implemented in Previous FY for the 20% Restoration Requirement**

REST BMP ID	REST BMP TYPE	BMP CLASS	NUM BMP	IMP ACRES	BUILT DATE	IMPL COST	IMPL STATUS	IMPL COMP YR	
Reforestation at Dulaney Springs Park	FPU	A		2.01	3/31/2016	\$50,419.00	Complete	2017	Reforestation at Dulaney Springs Park
Reforestation at Heller Property	FPU	A		1.18	3/31/2016	\$31,794.00	Complete	2017	Reforestation at Heller Property
BA-10408.01: Conversion of Pond #408	SF	S	1	4.25	5/4/16	\$95,701.93	Complete	2017	Conversion of Pond #408
BA-11112.01: Conversion of Pond #1112	SF	S	1	2.90	5/4/16	\$63,120.86	Complete	2017	Conversion of Pond #1112
BA-10270.01: Conversion of Pond #270	SF	S	1	2.80	5/4/16	\$62,080.52	Complete	2017	Conversion of Pond #270
BA-10157.01: Conversion of Pond #157	SF	S	1	11.69	5/4/16	\$70,069.02	Complete	2017	Conversion of Pond #157
BA-13478.01: Conversion of Pond #3478	SF	S	1	1.10	6/22/16	\$130,209.84	Complete	2017	Conversion of Pond #3478
BA-10850.01: Conversion of Pond #850	SF	S	1	8.80	7/11/16	\$60,500.15	Complete	2017	Conversion of Pond #850
Conversion of Pond #1054	SF	S	1	4.20	7/11/16	\$91,013.46	Complete	2017	Conversion of Pond #1054
Part of facility #5529	IMPP	A	1	0.02	8/12/2016		Complete	2017	Part of facility #5529
Part of facility #4199	IMPP	A	1	0.07	8/15/2016		Complete	2017	Part of facility #4199
Part of facility #5498	IMPP	A	1	0.02	8/30/2016		Complete	2017	Part of facility #5498
Reforestation at Tufton Springs	FPU	A		0.53	9/15/2016	\$39,900.00	Complete	2017	Reforestation at Tufton Springs
Part of facility #5549	IMPP	A	1	0.03	9/22/2016		Complete	2017	Part of facility #5549
Part of facility #4816	IMPP	A	1	0.02	10/13/2016		Complete	2017	Part of facility #4816
Part of facility #5445	IMPP	A	1	0.41	10/13/2016		Complete	2017	Part of facility #5445
Part of facility #5428.5	IMPP	A	1	0.11	10/24/2016		Complete	2017	Part of facility #5428.5
Reforestation at Cromwell	FPU	A		0.72	10/28/2016	\$245,420.00	Complete	2017	Reforestation at Cromwell
Reforestation at Cromwell	FPU	A		9.23	10/28/2016		Complete	2017	Reforestation at Cromwell
Reforestation at Rost Property	FPU	A		0.68	11/4/2016	\$19,000.00	Complete	2017	Reforestation at Rost Property
Reforestation at Foreston Rd2	FPU	A		0.61	11/5/2016	\$16,796.00	Complete	2017	Reforestation at Foreston Rd2
Reforestation at Shaper Property	FPU	A		1.38	11/7/2016	\$42,795.00	Complete	2017	Reforestation at Shaper Property
Reforestation at Rollins-Frank Property2	FPU	A		1.66	11/11/2016	\$46,575.00	Complete	2017	Reforestation at Rollins-Frank Property2
BA-56081 & 56106: Reforestation at Hernwood ES	FPU	A	1	1.31	11/19/16	\$24,046.00	Complete	2017	Reforestation at Hernwood ES
Reforestation at Foxhall Sec 1	FPU	A		0.48	11/22/2016	\$15,400.00	Complete	2017	Reforestation at Foxhall Sec 1
Part of facility #5427	IMPP	A	1	0.25	11/28/2016		Complete	2017	Part of facility #5427
Reforestation at Strathy Property	FPU	A		0.26	11/30/2016	\$8,081.00	Complete	2017	Reforestation at Strathy Property
BA-57132 & 57144: Reforestation at Charlestown Retirement Community (not part of 2017 NPDES Report)	FPU	A	1	0.20	12/1/16	\$18,191.53	Complete	2017	Reforestation at Charlestown Retirement Community (not part of 2017 NPDES Report)
BA-57134 & 57145: Reforestation at Evergreen at Putty Hill (not part of 2017 NPDES Report)	FPU	A	1	0.10	12/2/16	\$9,936.81	Complete	2017	Reforestation at Evergreen at Putty Hill (not part of 2017 NPDES Report)



Reforestation at Brooke Property	FPU	A		0.41	12/2/2016	\$10,308.00 Complete	2017 Reforestation at Brooke Property
BA-57244: Reforestation at Ballards Garden	FPU	A	1	0.05	12/3/16	\$9,916.00 Complete	2017 Reforestation at Ballards Garden
BA-56086: Reforestation at Page Property	FPU	A	1	0.38	12/5/16	\$12,659.00 Complete	2017 Reforestation at Page Property
Reforestation at Seventh District and Warnick Property	FPU	A		0.48	12/5/2016	\$13,544.00 Complete	2017 Reforestation at Seventh District and Warnick Property
Reforestation at Clemments	FPU	A		0.07	12/7/2016	\$2,198.00 Complete	2017 Reforestation at Clemments
Reforestation at Coats	FPU	A		0.14	12/7/2016	\$1,681.00 Complete	2017 Reforestation at Coats
BA-11732.01: Conversion of Pond #1732	SF	S	1	2.90	12/9/16	\$183,778.24 Complete	2017 Conversion of Pond #1732
BA-11744.01: Conversion of Pond #1744	SF	S	1	2.28	12/27/16	\$99,773.00 Complete	2017 Conversion of Pond #1744
Part of facility #5125	IMPP	A	1	1.02	1/9/17	Complete	2017 Part of facility #5125
Part of facility #5150	IMPP	A	1	0.00	1/24/17	Complete	2017 Part of facility #5150
Part of facility #5150	IMPP	A	1	0.01	1/24/2017	Complete	2017 Part of facility #5150
Reforestation at Burton	FPU	A		0.17	3/29/2017	\$4,751.00 Complete	2017 Reforestation at Burton
Reforestation at Stead	FPU	A		0.21	3/29/2017	\$4,751.00 Complete	2017 Reforestation at Stead
Reforestation at Meadowcroft	FPU	A		0.38	3/31/2017	\$9,484.00 Complete	2017 Reforestation at Meadowcroft
Part of facility #5303	IMPP	A	1	0.07	3/31/2017	Complete	2017 Part of facility #5303
BA-56025: Reforestation at Brich Property	FPU	A	1	0.08	4/7/17	\$1,596.00 Complete	2017 Reforestation at Brich Property
BA-56037: Reforestation at Seligson Property	FPU	A	1	0.19	4/7/17	\$2,362.00 Complete	2017 Reforestation at Seligson Property
Part of facility #4593	IMPP	A	1	0.28	4/12/2017	Complete	2017 Part of facility #4593
Reforestation at Harris Mill Property (Wood)	FPU	A		0.38	4/22/2017	\$11,410.00 Complete	2017 Reforestation at Harris Mill Property (Wood)
Part of facility #5479	IMPP	A	1	0.40	4/26/2017	Complete	2017 Part of facility #5479
Part of facility #5479	IMPP	A	1	0.15	4/26/2017	Complete	2017 Part of facility #5479
Reforestation at Springfield Farm	FPU	A		1.22	4/28/2017	\$23,283.00 Complete	2017 Reforestation at Springfield Farm
Reforestation at FOP Lodge #34	FPU	A		0.45	5/1/2017	\$16,611.00 Complete	2017 Reforestation at FOP Lodge #34
Part of facility #5568	IMPP	A	1	0.02	5/10/2017	Complete	2017 Part of facility #5568
BA-56083: Reforestation at Joppa View ES	FPU	A	1	0.48	5/16/17	\$12,316.00 Complete	2017 Reforestation at Joppa View ES
5 giveaways in FY17, last giveaway date used	FPU	A	2,590	9.84	5/19/17	\$0.00 Complete	2017 5 giveaways in FY17, last giveaway date used
BA-10596.01: Conversion of Pond #596	SF	S	1	3.80	5/24/17	\$173,044.07 Complete	2017 Conversion of Pond #596
Reforestation at Cogan	FPU	A		0.56	6/9/2017	\$13,804.00 Complete	2017 Reforestation at Cogan
Part of facility #5483	IMPP	A	1	0.13	6/20/2017	Complete	2017 Part of facility #5483
IMPP	IMPP	A	1	0.06	6/20/2017	Complete	2017 IMPP

Part of facility #4911	IMPP	A	1	0.05	6/21/2017	Complete	2017 Part of facility #4911
Watershed Association Projects (mixed types)		A		7.00	6/30/17	\$240,000.00 Complete	2017 Watershed Association Projects (mixed types)
Septic Connections	SEPC	A	103	40.17	6/30/17	\$410,000.00 Complete	2017 Septic Connections
Septic Denitrifying Systems	SEPD	A	19	4.94	6/30/17	\$180,000.00 Complete	2017 Septic Denitrifying Systems
BA_00244: Long Quarter @ Shetland Stream Restoration	STRE	A					2017 Long Quarter @ Shetland Stream Restoration
BA-56079 & 57247: Reforestation at Hebbville ES	FPU	A	1	15.00	7/5/17	\$1,748,081.00 Complete	2017 Reforestation at Hebbville ES
Reforestation at Collins Property	FPU	A		0.56	11/9/17	\$15,554.00 Complete	2017 Reforestation at Collins Property
REDE: Based on one project completed and analyzed in FY17	REDE			0.24	11/11/2017	\$7,490.00 Complete	2017 Reforestation at Collins Property
			1	0.08		\$0.00 Complete	Based on one project completed 2017 and analyzed in FY17
				151.68		\$4,349,444.43	

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NOTE:

Other capital projects have allotments, allocations or encumbrances and are in progress. Due to field evaluations, engineering design, permitting and construction restrictions and timelines, these projects will be reported in future years but are funded by carryover funds from FY2017 and/ or prior years.