

Attachment 1

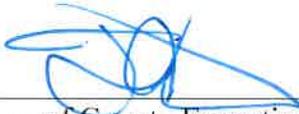
CERTIFICATION

WHEREAS, the provisions of § 4-202.1 of the Environment Article of the Annotated Code of Maryland require Baltimore County to file a financial assurance plan to the Maryland Department of the Environment that demonstrates that it has sufficient funding to meet the impervious surface restoration plan requirements of the (County's/City's) National Pollutant Discharge Elimination System Phase I Municipal Separate Storm Sewer System Permit; and

WHEREAS, the provisions of this law require that "a county or municipality may not file a financial assurance plan under this subsection until the local governing body of the county or municipality: (i) Holds a public hearing on the financial assurance plan; and (ii) Approves the financial assurance plan."

NOW, THEREFORE, I certify that:

1. A public hearing was held on the financial assurance plan on \_\_\_\_\_ (Date);
2. The local governing body approves the aforementioned financial assurance plan; and
3. Under penalty of law, the information in this financial assurance plan is, to the best of my knowledge and belief, true, accurate, and complete.



\_\_\_\_\_  
Signature of County Executive/Municipal Mayor or Chief Financial Officer

7/12/16

\_\_\_\_\_  
Date

Fred Homan

\_\_\_\_\_  
Printed Name of County Executive/Municipal Mayor or Chief Financial Officer

Administrative Officer

\_\_\_\_\_  
Title

**Baltimore County– Fiscal Year 2016  
Financial Assurance Plan  
and  
Watershed Protection and Restoration Program Annual Report  
as required under the  
Watershed Protection and Restoration Program  
June 30, 2016**

**Executive Summary**

The submission of Baltimore County's Financial Assurance Plan (FAP) and Watershed Protection and Restoration Program (WPRP) annual report to the Maryland Department of the Environment (MDE) fulfills requirements specified in Md. Code Ann. Envir. § 4-202.1. These plans and reports are being filed to MDE in order to document all actions implemented by Baltimore County to comply with its National Pollutant Discharge Elimination System (NPDES) municipal separate storm sewer system (MS4) permit and demonstrate the County's ability to pay for these activities through the Watershed Protection and Restoration Fund.

An MS4 permit was issued to Baltimore County on December 23, 2013 and annual reports have been submitted to MDE by the County on December 23, 2014 and December 23, 2015. These annual reports are based on the State's fiscal year (FY) and include updates on the County's MS4 programs and impervious surface area restoration. Monitoring results are based on calendar year. Baltimore County has continued implementing its MS4 program and this Executive Summary documents achievements detailed in its December 23, 2015 annual report.

In compliance with the Md. Code Ann., Envir. § 4-202.1, the following FAP and WPRP annual report includes all activities that have been completed in compliance with Baltimore County's MS4 permit, and five-year projections for the implementation of its stormwater program and best management practices (BMPs) necessary for meeting permit requirements. Specifically, these plans and reports document complete implementation and financial data for FY14 and FY15.

A major tenet of the FAP and WPRP annual report is to demonstrate the financial wherewithal for meeting MS4 permit impervious surface area restoration requirements. In order to document this ability, Baltimore County is providing MS4 program implementation projections for FY16, FY17, FY18, FY19, and FY20. Future FAPs will be submitted every two years on the anniversary date of the County's MS4 permit issuance, beginning with December 23, 2018. Future WPRP annual reports will be submitted every year on the anniversary date of the County's permit, beginning with December 23, 2016. The sections in this Executive Summary follow the order of Baltimore County's MS4 permit found in Part IV, Standard Permit Conditions, and highlight the major achievements for each program element. The Baltimore

County Annual MS4 Report can be found at:

<http://www.baltimorecountymd.gov/Agencies/environment/npdes/> for more detailed information.

**Permit Administration:** No major changes were made in fiscal year 2015.

**Adequate Legal Authority:** Baltimore County continues to maintain adequate legal authority.

**Source Identification:** Baltimore County submitted its required data through the Attachment A spreadsheet. The County is currently reviewing its business process for NPDES – MS4 annual report data collection. The review, due in July 2016, will serve as the basis for the development of the NPDES – MS4 geodatabase business process to assure efficient data collection of all of the required data for inclusion in the geodatabase.

**Stormwater Management:** In fiscal year 2015, the Stormwater Engineering Section reviewed 88 Concept Plans, 34 Site Development Plans, and 484 Final Development Plans. In FY 2015, five exemptions were granted. The County conducted a Historic BMP Database Clean-up for submittal to MDE and inclusion of better data in the Chesapeake Bay Program Phase 6 Watershed Model. The clean-up resulted in a significant identification of as-built dates for SWM facilities constructed over the years. That effort is continuing.

The stormwater facility inspection program inspected 152 facilities for as-built inspection, 191 one-year inspections, and 1,150 facilities for 3-year inspections in fiscal year 2015. The county is continuing to assess its inspection program to assure that all facilities that require 3-year inspections are inspected within the 3-year timeframe to ensure continuing credits for pollutant load reductions.

The publically owned facilities are maintained by a supervisor and six crew members, along with two contracted inspectors and eight contracted field crew members to maintain 1,320 public facilities. Private ponds will be inspected by on-call contractors with oversight by two assigned and experienced County staff.

**Erosion and Sediment Control:** During fiscal year 2015, 162 grading permits were issued for a disturbance area of 434 acres. A total of 5,457 inspections of constructions were conducted with 1,221 enforcement actions (1,118 correction notices, 103 stop work orders). The County received re-delegation for the erosion and sediment control program effective through June 30, 2018.

**Illicit Discharge Detection and Elimination:** The County screened 141 storm drain outfalls in calendar year 2014, short of the required 150 outfalls. However, the County screened 341 outfalls in calendar year 2013. Of the outfalls that were screened 20 were found to require follow-up investigations. The County received 99 complaints, all of which were investigated. Of the 99 complaint investigations, 79 were closed and 20 are still under investigation.

The County also conducts hotspot surveys of commercial/industrial sites as part of its Small Watershed Action Plan process and as a new program within the Watershed Management and Monitoring (WMM) section. A total of 46 sites were surveyed through the SWAP and 158 sites through the WMM program. Of the 204 sites, 16% were confirmed hotspots and 10% were potential hotspots. Follow-up investigations of these hotspots has resulted in 50% of the cases being closed with the remaining still under investigation.

In February 2012, the WMM section initiated an IDDE research study to determine the extent of illicit connections in an urban/suburban county with the intent to better target outfalls with higher potential for illicit connections. Six SWAP areas containing 1,224 outfalls were selected for screening all outfalls regardless of size. Outfalls with flow have samples taken for laboratory analysis of nutrient loadings. To date, 854 outfalls have been screened with 370 remaining. The intent is to complete the screening of the remaining outfalls in 2016 and have the report of the findings ready for submittal with the 2016 Annual MS4 Report.

**Trash and Litter:**

A county-wide trash and litter reduction strategy was submitted to MDE December 23, 2014 and the Trash TMDL Implementation Plan for the impairments in the northeast branch and the middle branch of Baltimore Harbor (drainage areas of Jones Falls and Gwynns Falls, respectively) was submitted December 23, 2015. Baltimore County continues its trash monitoring program in the Jones Falls and Gwynns Falls stream and has added an Upland Trash Assessment program to identify high trash areas.

A Request for Proposals was released in the fall of 2015 for the development of an Environmental Education and Outreach program, of which trash education and outreach is a major component. The firm has been selected and the County is currently preparing a contract, which is anticipated to go to the County Council for approval in early summer of 2016.

**Property Management and Maintenance:** The County has 42 sites that are permitted under the General Permit for Industrial Stormwater Discharges and all of the sites have Stormwater Pollution Prevention Plans in place. The County continues with its street sweeping program and its storm drain cleaning program with 1,854 and 124 tons of debris removed in FY 2015.

The County applied 264,899 pounds of fertilizer to County lands in FY 2015, primarily applied on the five County golf courses (123,029 lbs.) and by Property Management on athletic fields (141,860 lbs). The County also applied 36,920 pounds of pesticides in FY 2015, again primarily by County golf courses (33,723 lbs.) with lesser amounts by Property Management (1,602 lbs.) and DPW – Bureau of Highways (1,164 lbs.). In fiscal year 2015, 205,325,015 pounds of salt was applied by the County. This represents the second highest amount of salt applied, but there were 20 snow storms during the period, tied with FY2014 for the greatest number of snow storms.

The County Household Hazardous Waste program continues in operation with three permanent drop-off sites (Eastern Sanitary Landfill, Central Acceptance Facility, and the Western Acceptance Facility). There are two Household Hazardous Waste collection days each year. Fifty pounds of mercury and 1,100 pounds of PCB oil was collected in FY2015. Both of these pollutants have TMDLs related to fish tissue and human consumption. All collected materials are disposed of in the proper manner to ensure they do not contaminate the environment.

**Public Education:** Public education and outreach continue to be a strong component of the Baltimore County MS4 program. As indicated above, the County is in the process of hiring a contractor to provide enhanced education and outreach to Baltimore County residents and businesses. The initial focus will be on trash and pet waste, with other components added as needed. The County works with local Watershed Associations to further promote environmental education and outreach.

### **Restoration Plans and Total Maximum Daily Loads:**

The County has completed 18 Small Watershed Action Plans (restoration plans), with three currently in development and expected to be finished by late 2016/early 2017; leaving two additional plans to be initiated in the spring of 2017. This will complete plans for the entire county by the end of the MS4 permit term as required by the permit.

To date, total of 25 TMDL Implementation Plans have been submitted to MDE, as follows:

- Bacteria – 7 plans
- Sediment – 5 plans (3 stream-based, 2 reservoir-based)
- Phosphorus – 3 plans (all reservoir-based)
- Nutrients – 2 plans
- Mercury – 2 plans
- Chlordane – 2 plans
- PCBs – 3 plans
- Trash – 1 plan

Additional TMDLs are under development and will require the development of additional TMDL Implementation Plans within one year of EPA approval the TMDL. Baltimore County is currently in the process of revising the initial 22 plans submitted to MDE December 23, 2014 and plans to resubmit all 22 by the end of the summer of 2016.

The bacteria monitoring has shown significant reductions in bacteria concentration relative to the monitoring conducted by MDE to develop the TMDLs. Ninety percent of 32 stations have shown improvement compared to the TMDL monitoring.

Most of the sediment and nutrient TMDL targets are on course for meeting the urban stormwater pollutant load reduction target by 2025, with 58% of 12 targets on or above target at the end of fiscal year 2015 and with projects under planning or construction that will result in 67% of the reductions on target by 2017.

The toxics TMDLs (mercury, chlordane, PCBs) are related to concentrations in fish tissue and potential effects on human health. Mercury may be below action levels, but we have not received the most recent fish tissue monitoring data to make the final determination. Baltimore County is in the process of developing a Request for Proposals for analysis of toxics in water quality, fish tissue, and sediment samples to determine where to target efforts for remediation.

**Assessments of Controls:** Baltimore County met the requirements for the number of storms to be monitored and has met the requirements for the Scotts Level Branch and Windlass Run biological and physical habitat monitoring. In addition, the County has continued the following programs to assess the conditions of Baltimore County waters, better target areas in need of restoration and progress in meeting TMDL reduction targets:

- Bacteria monitoring programs
  - Trend Monitoring
  - Subwatershed Prioritization Monitoring
- Trash monitoring program
- Chemical Trend Monitoring program
- Biological Monitoring programs
  - Stream random point program

- Tidal water random point program
- Sediment TMDL biological monitoring program
- Reference site monitoring program
- Sentinel site monitoring program
- Geomorphological monitoring program
- Restoration effectiveness monitoring program
- Special Studies monitoring program

**Program Funding:** The NPDES – MS4 permit program funding for capital and operating budgets for FY2016 are \$10,301,622 and \$7,433,270, respectively. The financial assurance plans provides more detail on the funding as it relates to the 20% impervious surface restoration requirement. However, the financial assurance plan does not cover funding related to other NPDES – MS4 permit requirements, such as, restoration plan and TMDL implementation plan development, or monitoring, or a number of operating program components (sediment control, stormwater plans review, inspection or maintenance).

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MS4 Information

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Jurisdiction	Baltimore County
Contact Name	Steve Stewart
Phone	4108877678
Address	111 W. Chesapeake Avenue, Room 319
City	Towson
State	MD
Zip	21204
Email	<a href="mailto:sstewart@baltimorecountymd.gov">sstewart@baltimorecountymd.gov</a>
Baseline Acres	6036.00
Permit Num	11-DP-3317
Reporting Year	2016

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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.

VERSION 4-7-16

**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: 6,036 Requirement: 20%

REST BMP TYPE*	BMP CLASS	IMP ACRES	IMPL COST	% ISRP COMPLETE	IMPL STATUS**	PROJECTED IMPL YR
<b>Operation Programs</b>						
MSS	A	519	\$500,000	8.6%	Proposed	2016
SDV	A	44.55	\$79,623	0.7%	Proposed	2016
MSS	A	519	\$550,000	8.6%	Proposed	2017
SDV	A	44.55	\$146,376	0.7%	Proposed	2017
MSS	A	519	\$575,000	8.6%	Proposed	2018
SDV	A	44.55	\$153,695	0.7%	Proposed	2018
MSS	A	519	\$600,000	8.6%	Proposed	2019
SDV	A	44.55	\$161,379	0.7%	Proposed	2019
MSS	A	519	\$625,000	8.6%	Proposed	2020
SDV	A	44.55	\$169,448	0.7%	Proposed	2020
Average Operations Next Two Years (FY2017-FY2018)***		563.6	\$1,425,071	9.3%		
Average Operations Permit Term (FY2014-FY2018)***		631.8	\$11,004,694	10.5%		
Average Operations Permit Term and Projected Years (FY2014-FY2020)***		612.3	\$12,560,522	10.1%		
<b>Capital Projects</b>						
STRE	A	88	\$15,999,686	1.5%	Construction	2016
FPU	A	42	\$973,137	0.7%	Construction	2016
SF	S	138	\$1,422,374	2.3%	Construction	2016
STRE	A	357	\$23,379,752	5.9%	Planned	2017
FPU	A	13	\$288,772	0.2%	Planned	2017
SF	S	6	\$155,040	0.1%	Planned	2017
STRE	A	312	\$20,964,168	5.2%	Planned	2018
SHST	A	424	\$12,062,198	7.0%	Planned	2018
STRE	A	470	\$30,550,000	7.8%	Proposed	2018
SWM Conversions/Retrofits	S, E	1,200	\$17,238,000	19.9%	Proposed	2018
SHST	A	180	\$2,250,000	3.0%	Proposed	2018
FPU	A	170	\$1,345,575	2.8%	Proposed	2018
STRE	A	75	\$5,200,000	1.2%	Planned	2019
SHST	A	303	\$3,787,000	5.0%	Planned	2019
STRE	A	178	\$11,537,500	2.9%	Proposed	2020
SHST	A	20	\$250,000	0.3%	Proposed	2020
FPU	A	87	\$5,211,306	1.4%	Proposed	2020
SWM Conversions/Retrofits	S,E	834	\$5,490,000	13.8%	Proposed	2020

Includes contract for street sweeping for \$157000

Includes contract for street sweeping for \$157000

Includes contract for street sweeping for \$157000

Includes contract for street sweeping for \$200000 estimate

Includes contract for street sweeping for \$200000 estimate

Subtotal Capital Next Two Years (FY2017-FY2018)		3,132	\$108,233,505	51.9%		
Subtotal Capital Permit Term (FY2014-FY2018)		3,642	\$133,643,320	60.3%		
Subtotal Capital Permit Term and Projected Years (FY2014-FY2020)		5,139	\$165,119,127	85.1%		
<b>Other</b>						
Watershed Association Projects	A	8.8	\$240,000.00	0.15%	Proposed	2016
Septic Connections	A	27.3	\$410,000.00	0.45%	Proposed	2016
Septic Denitrifying Systems	A	11.1	\$180,000.00	0.18%	Proposed	2016
Septic Pumping	A	56.1	\$0.00	0.93%	Proposed	2016
Big Tree Sale	A	2.8	\$0.00	0.05%	Proposed	2016
Rain Barrell Sale	A	1.0	\$0.00	0.02%	Proposed	2016
Redevelopment	A	21.0	\$0.00	0.35%	Construction	2016
Watershed Association Projects	A	8.8	\$240,000.00	0.15%	Proposed	2017
Septic Connections	A	27.3	\$410,000.00	0.45%	Proposed	2017
Septic Denitrifying Systems	A	11.1	\$180,000.00	0.18%	Proposed	2017
Septic Pumping	A	56.1	\$0.00	0.93%	Proposed	2017
Big Tree Sale	A	2.8	\$0.00	0.05%	Proposed	2017
Rain Barrell Sale	A	1.0	\$0.00	0.02%	Proposed	2017
Redevelopment	A	2.1	\$0.00	0.03%	Planned	2017
Watershed Association Projects	A	4.4	\$120,000.00	0.07%	Proposed	2018
Septic Connections	A	27.3	\$410,000.00	0.45%	Proposed	2018
Septic Denitrifying Systems	A	11.1	\$180,000.00	0.18%	Proposed	2018
Septic Pumping	A	56.1	\$0.00	0.93%	Proposed	2018
Big Tree Sale	A	2.8	\$0.00	0.05%	Proposed	2018
Rain Barrell Sale	A	1.0	\$0.00	0.02%	Proposed	2018
Redevelopment	A	220.0	\$0.00	3.64%	Proposed	2018
<b>Nutrient Trading</b>	<b>A</b>	<b>1000.0</b>	<b>\$0.00</b>	<b>16.57%</b>	<b>Proposed</b>	<b>2018</b>
Watershed Association Projects	A	4.4	\$120,000.00	0.07%	Proposed	2019
Septic Connections	A	27.3	\$410,000.00	0.45%	Proposed	2019
Septic Denitrifying Systems	A	6.4	\$180,000.00	0.11%	Proposed	2019
Septic Pumping	A	56.1	\$0.00	0.93%	Proposed	2019
Big Tree Sale	A	2.8	\$0.00	0.05%	Proposed	2019
Rain Barrell Sale	A	1.0	\$0.00	0.02%	Proposed	2019
Redevelopment	A	250.0	\$0.00	4.14%	Proposed	2019
Watershed Association Projects	A	4.4	\$120,000.00	0.07%	Proposed	2020
Septic Connections	A	27.3	\$410,000.00	0.45%	Proposed	2020
Septic Denitrifying Systems	A	6.4	\$180,000.00	0.11%	Proposed	2020
Septic Pumping	A	56.1	\$0.00	0.93%	Proposed	2020
Big Tree Sale	A	2.8	\$0.00	0.05%	Proposed	2020
Rain Barrell Sale	A	1.0	\$0.00	0.02%	Proposed	2020
Redevelopment	A	250.0	\$0.00	4.14%	Proposed	2020

Subtotal Other Next Two Years (FY2017-FY2018)		1,432	\$1,540,000	23.72%		
Subtotal Other Permit Term (FY2014-FY2018)		1787	\$3,948,000	29.6%		
Subtotal Operations Permit Term and Projected Years (FY2014-FY2020)		2483	\$5,368,000	41.1%		
<b>Total Next Two Years (FY2017-FY2018)</b>		<b>5128</b>	<b>\$111,198,575</b>	<b>85.0%</b>		
<b>Total Permit Term (FY2014-FY2018)</b>		<b>6061</b>	<b>\$148,596,014</b>	<b>100.4%</b>		
<b>Total Permit Term and Projected Years (FY2014-FY2020)</b>		<b>8234</b>	<b>\$183,047,648</b>	<b>136.4%</b>		

**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.

VERSION 4-7-16

**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 2014	FY 2015	CURRENT/PROJECTED YEAR 1 FY 2016	PROJECTED YEAR 2 FY 2017	PROJECTED YEAR 3 FY 2018	PROJECTED YEAR 4 FY 2019	PROJECTED YEAR 5 FY 2020	TOTAL COSTS
<b>Operating Expenditures (costs)</b>								
Street Sweeping Program	\$212,583	\$475,967	\$500,000	\$550,000	\$575,000	\$600,000	\$625,000	\$3,538,550
Inlet Cleaning	\$178,186	\$160,408	\$79,623	\$146,376	\$153,695	\$161,379	\$169,448	\$1,049,116
Support of Capital Projects	\$1,272,021	\$1,379,405	\$1,211,951	\$1,614,201	\$1,360,116	\$1,389,182	\$1,418,516	\$9,645,392
Debt Service Payment								\$0
Other (please stipulate program expenditure)*	-	-	-	-	-	-	-	\$0
<b>Capital Expenditures (costs) #</b>								
General Fund (Paygo)	\$46,438	\$0	\$0	\$2,100,000	\$0	\$0	\$0	\$2,146,438
WPR Fund (Paygo)	\$17,587,014	\$4,391,200	\$2,923,700	\$11,544,157	\$0	\$0	\$0	\$36,446,071
Debt Service								\$0
Grants & Partnerships	\$1,858,036	\$7,321,872	\$3,225,312	\$1,150,000	\$626,000	\$626,000	\$438,000	\$15,245,220
GO Bonds	\$2,770,001	\$1,903,700	\$35,000	\$2,115,000	\$5,580,000	\$5,580,000	\$5,000,000	\$22,983,701
Metro funds	\$24,583,959	\$11,749,870	\$7,320,000	\$10,000,000	\$10,000,000	\$10,000,000	\$10,000,000	\$83,653,829
SW Fee/FC Fee	\$938,305	\$0						
Bay Restoration Fund	\$503,000	\$600,000	\$590,000	\$590,000	\$590,000	\$590,000	\$590,000	\$4,053,000
Carry over of funds from previous fiscal years!	\$0	\$0	\$0	\$43,675,939				
Subtotal operation and paygo:	\$19,296,242	\$6,406,980	\$4,715,274	\$59,630,673	\$2,088,811	\$2,150,561	\$2,212,964	\$96,501,506
<b>Total expenditures:</b>	<b>\$49,949,543</b>	<b>\$27,982,422</b>	<b>\$15,885,586</b>	<b>\$73,485,673</b>	<b>\$18,884,811</b>	<b>\$18,946,561</b>	<b>\$18,240,964</b>	<b>\$223,375,561</b>

Total ISRP costs except debt service: \$223,375,561  
 Compare ISRP costs (except debt service) / total ISRP proposed actions: 122.03%

**Check with MDE Geodatabase:**

The total current FY 2015 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 2016 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.

# For the capital program the costs are determined by the allocation of funds for the each project. The allocation ties the funding up for the project. Often projects are funded over a number of fiscal years. This is captured in the table.

! Capital funding that is not allocated in the fiscal year it is budgeted is carried over into the next fiscal year. This is reflected for fiscal year 2017, any unallocated funds at the end of FY2017 will carry over into FY2018.

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 2014	FY 2015	CURRENT/PROJECTED YEAR 1 FY 2016	PROJECTED YEAR 2 FY 2017 #	PROJECTED YEAR 3 FY 2018 #	PROJECTED YEAR 4 FY 2019	PROJECTED YEAR 5 FY 2020	TOTAL NEXT 2-YEARS FY 17-18* #	TOTAL CURRENT + PROJECTED
Annual Revenue** Appropriated for ISRP	\$65,350,364	\$41,182,452	\$32,825,006	\$70,626,516	\$18,884,811	\$18,946,561	\$18,240,964	\$89,511,327	\$266,056,674
Annual Costs towards ISRP***	\$49,949,543	\$27,982,422	\$15,885,586	\$73,485,673	\$18,884,811	\$18,946,561	\$18,240,964	\$92,370,484	\$223,375,561

County approval of bond sales are in the even years, the total approved for bonds is split between the even and odd years.

Compare annual costs / revenue appropriated: 97%  
WPRP 2016 Reporting Criteria 75%

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 2018.

\*\* 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 2016 at the time of FAP reporting.

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

# The calculation does not take into account that the funding for projects to be completed in FY17 and FY18 were either partially or completely funded in previous fiscal years. For projects to be completed in FY2017 a total of \$21,309,858 has already been allocated in previous fiscal years, while for FY2018 \$12,550,000 has been allocated in previous fiscal years.

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 2014	FY 2015	CURRENT/PROJECTED YEAR 1 FY 2016	PROJECTED YEAR 2 FY 2017	PROJECTED YEAR 3 FY 2018	PROJECTED YEAR 4 FY 2019	PROJECTED YEAR 5 FY 2020	TOTAL PERMIT CYCLE
<b>Paygo Sources</b>								
Stormwater Remediation Fees (WPR Fund)	\$ 24,706,795	\$24,522,940	\$ 16,949,184	\$11,238,824	\$ -	\$ -	\$ -	\$ 77,417,743
Miscellaneous Fees (WPR Fund)	\$ 1,540,000	\$ -	\$ 300,000					\$ 1,840,000
General Fund	\$2,012,007	\$ 1,237,640	\$ 1,281,989	\$ 1,856,753	\$ 2,088,811	\$ 2,150,561	\$ 2,212,964	\$ 12,840,725
Bay Restoration Fund	\$ 503,000	\$ 600,000	\$ 590,000	\$ 590,000	\$ 590,000	\$ 590,000	\$ 590,000	\$ 4,053,000
Carry over from previous fiscal years!	\$ -	\$ -	\$ -	\$ 43,675,939	\$ -	\$ -	\$ -	\$ 43,675,939
Other Funds 3 (please stipulate funding source)								\$ -
<b>Subtotal Paygo Sources</b>	<b>\$ 28,761,802</b>	<b>\$ 26,360,580</b>	<b>\$ 19,121,173</b>	<b>\$ 57,361,516</b>	<b>\$ 2,678,811</b>	<b>\$ 2,740,561</b>	<b>\$ 2,802,964</b>	<b>\$ 139,827,407</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 2014).</b>								
County Transportation Bonds								\$ -
General Obligation Bonds	\$ 3,429,544	\$ -	\$ 2,000,000	\$ 2,115,000	\$ 5,580,000	\$ 5,580,000	\$ 5,000,000	\$ 13,124,544
Revenue (Utility) Bonds	\$31,300,982	\$ 7,500,000	\$ 8,478,521	\$ 10,000,000	\$ 10,000,000	\$ 10,000,000	\$ 10,000,000	\$ 67,279,503
State Revolving Loan Fund								\$ -
Public-private partnership (debt service)								\$ -
<b>Subtotal Debt Service</b>	<b>\$ 34,730,526</b>	<b>\$ 7,500,000</b>	<b>\$ 10,478,521</b>	<b>\$ 12,115,000</b>	<b>\$ 15,580,000</b>	<b>\$ 15,580,000</b>	<b>\$ 15,000,000</b>	<b>\$ 80,404,047</b>
<b>Grants and Partnerships (no payment is expected)</b>								
State funded grants	\$ 1,858,036	\$ 7,321,872	\$3,225,312	\$ 1,150,000	\$ 626,000	\$ 626,000	\$ 438,000	\$ 14,181,220
Federal funded grants	\$ -	\$ -	\$ -					\$ -
Public-private partnership (matched grant)								\$ -
<b>Subtotal Grants and Partnerships</b>	<b>\$ 1,858,036</b>	<b>\$ 7,321,872</b>	<b>\$ 3,225,312</b>	<b>\$ 1,150,000</b>	<b>\$ 626,000</b>	<b>\$ 626,000</b>	<b>\$ 438,000</b>	<b>\$ 14,181,220</b>
<b>Total Annual Sources of Funds</b>	<b>\$ 65,350,364</b>	<b>\$ 41,182,452</b>	<b>\$ 32,825,006</b>	<b>\$ 70,626,516</b>	<b>\$ 18,884,811</b>	<b>\$ 18,946,561</b>	<b>\$ 18,240,964</b>	<b>\$ 228,869,149</b>
<b>Percent of Funds Directed Toward ISRP</b>								

This includes the Reforestation fee-in-lieu assigned to capital projects

For FY14 and previous, FY15, and FY16 I used the allotments that have been set up for projects that provide impervious surface credit.

Compare total permit term paygo ISRP costs / subtotal permit term paygo sources: 66%  
 Compare total permit term ISRP costs / total permit term annual sources of funds: 81%

\* WPR Fund: Watershed Protection and Restoration Fund.

! Capital funding that is not allocated in the fiscal year it is budgeted is carried over into the next fiscal year. This is reflected for fiscal year 2017, any unallocated funds at the end of FY2017 will carry over into FY2018.

**Check with MDE Geodatabase:**

The total sources related to WPR Funds in Current FY 2015 should march the "WPR\_Fund" field of the geodatabase.

Article 4-202.1(j)(1)(i)5: Specific actions and expenditures that the county or municipality implemented in the previous fiscal years to meet its impervious surface restoration plan requirements under its National Pollutant Discharge Elimination System Phase I Municipal Separate Storm Sewer System Permit.

Baseline: 6,036 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>Operation Programs</b>									
	MSS	A		858.5	6/30/2014	\$1,824,583	14.22%	Complete	Includes purchase of 3 street sweepers and 3 inlet cleaners
	SDV	A	209	46.42	6/30/2014	\$178,186	0.77%	Complete	
BA_80000-BA_80013	MSS	A		519	6/30/2015	\$632,967	8.60%	Complete	Includes contract for street sweeping
BA_70000-BA_70013	SDV	A	854	44.55	6/30/2015	\$160,408	0.74%	Complete	
Average Operations Complete To Date*			531.5	734		\$2,796,144	12.2%		
<b>Capital Projects</b>									
BA_00230	STRE	A	1	19.73	5/1/2014	\$2,013,059	0.33%	Complete	Scotts Level @ McDough
BA_00231	STRE	A	1	30	3/1/2014	\$1,294,152	0.50%	Complete	Lower Minebank
BA_56750	FPU	A	1	0.627	12/18/2014	\$9,538.71	0.01%	Complete	Loch Raven HS - Grant Funded
BA_56749	FPU	A	1	0.839	12/18/2014	\$27,145	0.01%	Complete	County Home Park Reforestaion
BA_56770, BA_56774	FPU	A	2	0.209	12/29/2014	\$11,791	0.00%	Complete	Moore Reforestation
BA_56771, BA_56785,	FPU	A	3	1.688	11/18/2014	\$23,951	0.03%	Complete	Foreston Rd. Reforestation
BA_56787 - BA_56789	FPU	A	3	8.233	12/30/2014	\$137,180	0.14%	Complete	Cloverland Reforestaion
BA_56779, BA_56780	FPU	A	2	0.813	11/18/2014	\$15,020	0.01%	Complete	Meek Reforestation
BA_56755 - BA_56778	FPU	A	1	2.009	12/22/2014	\$33,986	0.03%	Complete	Miller-Inglehart Reforestation
BA_56766 - BA_56769	FPU	A	4	0.482	11/13/2014	\$13,195	0.01%	Complete	Singer Reforestation
BA_56772	FPU	A	1	0.93	11/24/2014	\$15,908	0.02%	Complete	Eastern Landfill reforestaion
BA_56761, BA_56762	FPU	A	2	1.104	5/22/2014	\$24,060	0.02%	Complete	Perry Hall BLVD. Reforestation
BA_56765 - BA_56778	FPU	A	1	0.2361	12/22/2014	\$13,117	0.00%	Complete	Worthington Reforestation
BA_56773	FPU	A	1	3.398	5/1/2014	\$92,540	0.06%	Complete	Rollins-Frank Reforestation
BA_56763, BA_56764	FPU	A	2	0.621	5/23/2014	\$20,300	0.01%	Complete	Capecci Reforestation
BA_56781 - BA_56784	FPU	A	2	5.49	12/31/2014	\$37,474	0.09%	Complete	Loneg(eg)an-Woodward Reforestation
BA_56790, BA_56791	FPU	A	2	4.876	10/15/2014	\$102,740	0.08%	Complete	Schaffers Road Reforestation
BA_10085.01	FSND	S	1	8.64	5/26/2015	\$39,856	0.14%	Complete	Conversion of SWM Pond #85
BA_10115.01	IBAS	S	1	3.91	6/19/2015	\$32,347	0.06%	Complete	Conversion of SWM Pond #115
BA_10164.01	FSND	S	1	3.11	5/11/2015	\$96,834	0.05%	Complete	Conversion of SWM Pond #164
BA_10170.01	FSND	S	1	2.31	5/11/2015	\$49,514	0.04%	Complete	Conversion of SWM Pond #170
BA_10181.01	FSND	S	1	4.275	5/14/2015	\$51,457	0.07%	Complete	Conversion of SWM Pond #181
BA_10279.01	FSND	S	1	5.41	6/1/2015	\$48,350	0.09%	Complete	Conversion of SWM Pond #279
BA_10305.01	FSND	S	1	4.86	5/22/2015	\$23,441	0.08%	Complete	Conversion of SWM Pond #305
BA_10381.01	FSND	S	1	1.83	5/11/2015	\$48,701	0.03%	Complete	Conversion of SWM Pond #381
BA_10393.01	FSND	S	1	7.24	6/1/2015	\$47,061	0.12%	Complete	Conversion of SWM Pond #393
BA_10452.01	FSND	S	1	3.11	6/1/2015	\$51,938	0.05%	Complete	Conversion of SWM Pond #452
BA_10453.01	FSND	S	1	3.62	6/1/2015	\$76,996	0.06%	Complete	Conversion of SWM Pond #453
BA_10473.01	FSND	S	1	4.29	6/1/2015	\$82,463	0.07%	Complete	Conversion of SWM Pond #473
BA_10517.01	FSND	S	1	1.44	6/1/2015	\$57,890	0.02%	Complete	Conversion of SWM Pond #517
BA_10525.01	FSND	S	1	1.75	6/29/2015	\$72,089	0.03%	Complete	Conversion of SWM Pond #525
BA_10553.01	FSND	S	1	4.18	5/11/2015	\$27,687	0.07%	Complete	Conversion of SWM Pond #553
BA_10578.01	FSND	S	1	6.05	5/26/2015	\$67,218	0.10%	Complete	Conversion of SWM Pond #578
BA_10624.01	FSND	S	1	3.55	6/29/2015	\$19,327	0.06%	Complete	Conversion of SWM Pond #624
BA_10711.01	FSND	S	1	5.99	6/18/2015	\$37,216	0.10%	Complete	Conversion of SWM Pond #711
BA_10815.01	FSND	S	1	3.66	5/1/2015	\$52,155	0.06%	Complete	Conversion of SWM Pond #815
BA_10845.01	FSND	S	1	8.41	5/1/2015	\$62,278	0.14%	Complete	Conversion of SWM Pond #845
BA_10846.01	FSND	S	1	1.24	5/1/2015	\$44,580	0.02%	Complete	Conversion of SWM Pond #846
BA_10932.01	FSND	S	1	7.36	5/14/2015	\$29,229	0.12%	Complete	Conversion of SWM Pond #932
BA_10978.01	FSND	S	1	11.41	5/14/2015	\$96,976	0.19%	Complete	Conversion of SWM Pond #978
BA_10996.01	FSND	S	1	2.72	4/27/2015	\$46,914	0.05%	Complete	Conversion of SWM Pond #996
BA_11064.01	ITRN	S	1	6.29	6/19/2015	\$39,748	0.10%	Complete	Conversion of SWM Pond #1064
BA_11167.01	FSND	S	1	3.38	6/18/2015	\$45,486	0.06%	Complete	Conversion of SWM Pond #1167
BA_11687.01	FSND	S	1	1.61	4/27/2015	\$27,854	0.03%	Complete	Conversion of SWM Pond #1687

BA_11688.01	SFND	S	1	2	4/27/2015	\$43,504	0.03%	Complete	Conversion of SWM Pond #1688
BA_11764.01	SFND	S	1	2.58	5/1/2015	\$41,590	0.04%	Complete	Conversion of SWM Pond #1764
BA_11829.01	FSND	S	1	4.59	5/14/2015	\$15,526	0.08%	Complete	Conversion of SWM Pond #1829
BA_11868.01	FSND	S	1	5.78	6/19/2015	\$32,144	0.10%	Complete	Conversion of SWM Pond #1868
BA_12090.01	FSND	S	1	5.27	4/27/2015	\$69,706	0.09%	Complete	Conversion of SWM Pond #2090
BA_15400	APRP	E	1	0.6	9/29/2014	\$235,629	0.01%	Complete	DPW Retrofit - Essex Utility Yard
BA_15403	MMBR	E	1	1.413	10/31/2014	\$132,519	0.02%	Complete	DPW Retrofit - Windsor Mill Highway Shop Phase I
BA_15404	NCSA	E	1	0.04	9/26/2014	\$53,702	0.00%	Complete	DPW Retrofit - Chesterwood Park
BA_15405	MSWG	E	1	0.45	10/10/2014	\$172,629	0.01%	Complete	DPW Retrofit - Clarks Land Highway Shop 3
BA_15412	MMBR	E	1	0.3234	1/13/2015	\$124,588	0.01%	Complete	DPW Retrofit - Double Rock Maintenance Facility
BA_15412.01	MRWH	E	1	0.0044	1/13/2015		0.00%	Complete	DPW Retrofit - Double Rock Maintenance Facility (cost included in above)
BA_15416	MSWG	E	1	0.0764	1/14/2015	\$66,476	0.00%	Complete	DPW Retrofit - Longview Highway Shop
BA_00233	STRE	A	1	16	3/1/2015	\$765,846	0.27%	Complete	East Beaver Dam Run II
Subtotal Capital Complete To Date			70	242		\$7,014,619	4.01%		
<b>Other</b>									
		A		8.9	6/30/2014	\$240,000	0.15%	Complete	Watershed Association Projects
		A		8.7	6/30/2015	\$240,000	0.14%	Complete	Watershed Association Projects
	REDE	A	4	11.35	6/30/2014	\$0	0.19%	Complete	Redevelopment
	REDE	A	9	10.94	6/30/2015	\$0	0.18%	Complete	Redevelopment
	SEPC	A	111	43.29	6/30/2014	\$236,000	0.72%	Complete	Septic Connections
	SEPC	A	29	11.31	6/30/2015	\$375,000	0.19%	Complete	Septic Connections
	SEPD	A	25	6.5	6/30/2014	\$262,000	0.11%	Complete	Septic Denitrifying Systems
	SEPD	A	24	6.24	6/30/2015	\$225,000	0.10%	Complete	Septic Denitrifying Systems
	SEPP	A	2,431	72.93	6/30/2014	\$0	1.21%	Complete	Septic Pumping
	SEPP	A	1,311	39.33	6/30/2015	\$0	0.65%	Complete	Septic Pumping
	FPU	A	652	2.5	6/30/2014	\$0	0.04%	Complete	Big Tree Sale
	FPU	A	780	3	6/30/2015	\$0	0.05%	Complete	Big Tree Sale
	RTD	S	505	1.01	6/30/2014	\$0	0.02%	Complete	Rain Barrell Sale
	RTD	S	523	1.05	6/30/2015	\$0	0.02%	Complete	Rain Barrell Sale
Subtotal Other Complete To Date			6404	227		\$1,578,000	3.8%		
<b>Total Complete to Date</b>			<b>7,006</b>	<b>1,203.3</b>		<b>\$11,388,763</b>	<b>19.9%</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 (AltBMPLine, AltBMPPoint, AltBMPPoly, and RestBMP)-- aggregated by type and status.

**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.

**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	\$20,774,390	60.26%
O & M of SWM Systems and Facilities	\$5,664,250	16.43%
Public Education and Outreach	\$123,991	0.36%
Stormwater Management Planning (see Md. Environment Code Ann. § 4-202.1(h)(4)(iv))	\$561,427	1.63%
Review of Stormwater Management Plans and Permit Applications for New Development	\$0	0.00%
Grants to Nonprofit Organizations	\$9,162	0.03%
Adminstration of WPRF	\$221,221	0.64%
<b>TOTAL</b>	<b>\$27,354,441</b>	<b>79.34%</b>
Number of Properties Subject to Fee	256,060	
Reporting Year	2015	
Permit Number	11-DP-3317	
Comments:	MD0068314	

Cost information is FY2015.

Percent of WPRF calculated as FY2015 cost divided by FY2015 funds deposited.

VERSION 4-7-16

Jurisdiction	Agency	Local Ordinance Submitted to MDE	MDE Approval of Fee Reduction Policy
Baltimore County	Department of Environmental Protection and Sustainability	?	?

Use: Yes or No

Use the approval date or N/A

**Directions:**

**Notes:**  
ERU = Equivalent residential unit

VERSION 4-7-16

Fee Reduction Amount	Annual Single Family Residential Rate	Annual Commercial Rate	Equivalent Residential Unit (ERU) impervious	Commercial Capped Rates
<p>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. <b>SWM BMPs constructed and maintained with exclusively County or State funding do not provide a discount.</b> Discount for a property cannot exceed 74% of ERUs, <b>as 26% of the impervious surfaces in Baltimore County are on public land and every property should help pay for those shared impervious surfaces.</b></p> <p>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.</p> <p>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.</p> <p><b>3. Commercial-Residential primary residence credit: When a property supports both the owner's primary residence and a commercial business, it is</b></p>	<p>Detached: \$32.00 per dwelling  Attached: \$14.00 per dwelling  Condo: \$22.00 per dwelling unit</p>	<p>\$69.00 per ERU</p> <p>Note that commercial includes non-condo multifamily dwellings (e.g. apartment buildings).</p>	<p>2000 sq ft</p>	<p>N/A</p>

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

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

Rate Structures				Additional Sources of Funds			Estimated Annual Revenue
Non-profits, Religious Organizations	Exemptions	Federal Facilities Status	Federal Facility Fee(s)/Rate(s)	Additional Source 1: Metro Funds	Additional Source 2: Interest	Additional Source 3	
\$20.00 per ERU	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	\$20.00 per ERU	\$ 10,000,000	\$ 32,061		\$ 34,476,210

**Notes**  
 Estimated Annual Revenue is actual total cash collection of fees in FY2015, plus the additional sources.

<b>General description of exemption(s), if any</b>	<b>Use: No Facilities, Exempt, or Charged</b>	<b>Use: N/A or the fee and rate structures for federal facilities</b>
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**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>\$ 24,444,149</b>
Estimated Annual Single Family Detached Fees Collected	\$ 5,993,705
Estimated Annual Single Family Attached Fees Collected	\$ 1,359,095
Estimated Annual Single Family Condo Fees Collected	\$ 630,659
Estimated Annual Commercial Fees Collected	\$ 15,918,030
Estimated Non-profits, Religious Orgs Fees Collected	\$ 542,660
<b>Metro Funds Made Available</b>	<b>\$ 10,000,000</b>
<b>Estimated Interest</b>	<b>\$ 32,061</b>
	<b>\$ 34,476,210</b>

VERSION 4-7-16

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

**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	
BA_10085.01	SF	S	1	8.64	5/26/2015	\$39,855.66	Complete	2015	Conversion of SWM Pond #85
BA_10115.01	IB	S	1	3.91	6/19/2015	\$32,347.26	Complete	2015	Conversion of SWM Pond #115
BA_10164.01	SF	S	1	3.11	5/11/2015	\$96,833.71	Complete	2015	Conversion of SWM Pond #164
BA_10170.01	SF	S	1	2.31	5/11/2015	\$49,514.25	Complete	2015	Conversion of SWM Pond #170
BA_10181.01	SF	S	1	4.275	5/14/2015	\$51,456.67	Complete	2015	Conversion of SWM Pond #181
BA_10279.01	SF	S	1	5.41	6/1/2015	\$48,350.24	Complete	2015	Conversion of SWM Pond #279
BA_10305.01	SF	S	1	4.86	5/22/2015	\$23,441.00	Complete	2015	Conversion of SWM Pond #305
BA_10348.01	SM	S	1	4.5	6/29/2014		Complete	2015	Conversion of SWM Pond #348
BA_10381.01	SF	S	1	1.83	5/11/2015	\$48,701	Complete	2015	Conversion of SWM Pond #381
BA_10393.01	SF	S	1	7.24	6/1/2015	\$47,061	Complete	2015	Conversion of SWM Pond #393
BA_10452.01	SF	S	1	3.11	6/1/2015	\$51,938	Complete	2015	Conversion of SWM Pond #452
BA_10453.01	SF	S	1	3.62	6/1/2015	\$76,996	Complete	2015	Conversion of SWM Pond #453
BA_10473.01	SF	S	1	4.29	6/1/2015	\$82,463	Complete	2015	Conversion of SWM Pond #473
BA_10517.01	SF	S	1	1.44	6/1/2015	\$57,890	Complete	2015	Conversion of SWM Pond #517
BA_10525.01	SF	S	1	1.75	6/29/2015	\$72,089	Complete	2015	Conversion of SWM Pond #525
BA_10553.01	SF	S	1	4.18	5/11/2015	\$27,687	Complete	2015	Conversion of SWM Pond #553
BA_10578.01	SF	S	1	6.05	5/26/2015	\$67,218	Complete	2015	Conversion of SWM Pond #578
BA_10624.01	SF	S	1	3.55	6/29/2015	\$19,327	Complete	2015	Conversion of SWM Pond #624
BA_10711.01	SF	S	1	5.99	6/18/2015	\$37,216	Complete	2015	Conversion of SWM Pond #711
BA_10815.01	SF	S	1	3.66	5/1/2015	\$52,155	Complete	2015	Conversion of SWM Pond #815
BA_10845.01	SF	S	1	8.41	5/1/2015	\$62,278	Complete	2015	Conversion of SWM Pond #845
BA_10846.01	SF	S	1	1.24	5/1/2015	\$44,580	Complete	2015	Conversion of SWM Pond #846
BA_10932.01	SF	S	1	7.36	5/14/2015	\$29,229	Complete	2015	Conversion of SWM Pond #932
BA_10978.01	SF	S	1	11.41	5/14/2015	\$96,976	Complete	2015	Conversion of SWM Pond #978
BA_10996.01	SF	S	1	2.72	4/27/2015	\$46,914	Complete	2015	Conversion of SWM Pond #996
BA_11064.01	IT	S	1	6.29	6/19/2015	\$39,748	Complete	2015	Conversion of SWM Pond #1064
BA_11167.01	SF	S	1	3.38	6/18/2015	\$45,486	Complete	2015	Conversion of SWM Pond #1167
BA_11687.01	SF	S	1	1.61	4/27/2015	\$27,854	Complete	2015	Conversion of SWM Pond #1687
BA_11688.01	SF	S	1	2	4/27/2015	\$43,504	Complete	2015	Conversion of SWM Pond #1688
BA_11764.01	SF	S	1	2.58	5/1/2015	\$41,590	Complete	2015	Conversion of SWM Pond #1764
BA_11829.01	SF	S	1	4.59	5/14/2015	\$15,526	Complete	2015	Conversion of SWM Pond #1829
BA_11868.01	SF	S	1	5.78	6/19/2015	\$32,144	Complete	2015	Conversion of SWM Pond #1868
BA_12090.01	SF	S	1	5.27	4/27/2015	\$69,706	Complete	2015	Conversion of SWM Pond #2090
BA_15412	ESDMB	E	1	0.3234	1/13/2015	\$124,588	Complete	2015	DPW Retrofit - Double Rock Maintenance Facility
BA_15412.01	ESDRH	E	1	0.0044	1/13/2015		Complete	2015	DPW Retrofit - Double Rock Maintenance Facility
BA_15416	ESDSW	E	1	0.0764	1/14/2015	\$66,476	Complete	2015	DPW Retrofit - Longview Highway Shop
BA_00233	STRE	A	1	16	3/1/2015	\$765,846	Complete	2015	East Beaver Dam Run II
	Watershed Association Project	A		8.7	6/30/2015	\$240,000	Complete	2015	Watershed Association Projects

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171.4692

\$2,774,985.09

VERSION 4-7-16

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 FY2015.