

Appendix G – Program Funding

Harford County, MD Department of Public Works
 Watershed Protection and Restoration
 Purchase Orders Issued for Fiscal Year 2019 (MS4 Permit 11-DP-3310)



Barry Glassman
 County Executive

WPid	Project Name	BidNo	Purchase Order	Start	DP Amount	Grant Amount
	Maintenance		DV0233765		\$296	\$0
	Maintenance		DV0236925		\$300	\$0
	Maintenance		DV0236920		\$300	\$0
	Maintenance		DV0236913		\$740	\$0
	Maintenance		DV0235958		\$296	\$0
	Maintenance		DV0235957		\$296	\$0
	Maintenance		DV0235564		\$589	\$0
	Maintenance		DV0235341		\$444	\$0
	Maintenance		DV0235024		\$1,175	\$0
	Maintenance		DV0234281		\$1,669	\$0
	Maintenance		DV0233445		\$300	\$0
	Maintenance		DV0233317		\$592	\$0
	Maintenance		DV0233315		\$444	\$0
	Maintenance		DV0233314		\$296	\$0
	Maintenance		DV0232895		\$456	\$0
	Country Walk 1B Maintenance		DP1900101		\$1,716	\$0
	Maintenance - Country Walk 1B		DP1900101		\$1,716	\$0

Harford County, MD Department of Public Works
Watershed Protection and Restoration
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WPid	Project Name	BidNo	Purchase Order	Start	DP Amount	Grant Amount
	Maintenance		DV0234995		\$672	\$0
	Cooperative Agreement with Chesapeake Bay Trust	17-250	DV0234691	7/1/2018	\$100,000	\$0
	Fallston Feasibility Schools & Firehouse	16-153X	PO-00000831	5/14/2019	\$24,921	\$0
WP000029	Bynum at St Andrews Way Stream Restoration					
	Post-construction Monitoring (2019 -2023)	15-276J	DP1901488	1/8/2019	\$12,500	\$0
WP000091	C Milton Wright Stormwater Retrofit and Stream Restoration					
	Design	15-276K	PO-00000227	2/5/2019	\$427,767	\$0
WP000085	Emmord Stream Restoration					
	Post-construction (2020 - 2022)	16-153Y	PO-00000848	5/20/2019	\$34,821	\$0
WP000102	Fallston Library SWM Retrofit					
	Design	16-153W	PO-00000832	5/14/2019	\$66,300	\$0
WP000037	Foster Branch at Stillmeadow Stream Restoration					
	Plat (revertible stream)	17-195U	SINV00006594	3/20/2019	\$6,140	\$0

Harford County, MD Department of Public Works
Watershed Protection and Restoration
Purchase Orders Issued for Fiscal Year 2019 (MS4 Permit 11-DP-3310)



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WPid	Project Name	BidNo	Purchase Order	Start	DP Amount	Grant Amount
WP000079	Illicit Discharge Program					
	Illicit Discharge (FY2019)	16-073P	DP1901309	10/9/2018	\$62,858	\$0
WP000083	MS4 Ambient Station (Permit 4)					
	Storm Collection (FY2019)	16-073L	DP1900083	7/12/2018	\$94,669	\$0
	Physical 2020	16-073R	PO-00000537	4/15/2019	\$25,222	\$0
WP000082	MS4 Permit Administration (Permit 4)					
	Supplemental Staff - AECOM					
	Cityworks Phase 2	16-073M	DP1900454	7/17/2018	\$57,257	\$0
	Supplemental Staff - Steve Stewart	19-091	DP1901318	9/27/2018	\$50,000	\$0
	Supplemental Staff - RKK	16-153Q	DP1900973	10/10/2018	\$100,000	\$0
	Cityworks Phase 3	16-073Q	DP1901642	11/8/2018	\$68,183	\$0
WP000076	MS4 Watershed Assessments (Permit 4)					
	Identification of Grass Swales - Phase 2	15-153R	DP1901462	10/23/2018	\$218,489	\$0
	Lower Bynum Run	16-153V	DP1902548	2/28/2019	\$228,379	\$0

Harford County, MD Department of Public Works
Watershed Protection and Restoration
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WPid	Project Name	BidNo	Purchase Order	Start	DP Amount	Grant Amount
WP000077	MS4 Watershed Restoration Plans (Permit 4)					
	Bynum Run Sediment Update	16-073N	DP1900971	8/31/2018	\$20,984	\$0
	Chesapeake Bay Nutrients & Sediments Update	16-073O	DP1901272	11/7/2018	\$19,156	\$0
WP000035	Ring Factory ES SWM Retrofit & Stream Restoration					
	Post-construction Monitoring (2019 - 2021)	16-153T	DP1901679	11/9/2018	\$38,324	\$0
WP000021	Sunnyview Drive Stream Restoration					
	Design Update	19-077	DP1901489	11/20/2018	\$264,861	\$0
WP000080	USGS (Flow Gages)					
	Bynum, James, Plumtree, Swan, Foster (WY 2019)	17-101	DP1901315	10/1/2018	\$69,190	\$0
	Wheel Creek (WY 2019)	18-204	DP1901314	10/1/2018	\$19,570	\$0
WP000081	USGS (Water Quality)					
	Plumtree Run Water Quality (FY 2019)	16-192	DP1900638	7/1/2018	\$110,970	\$0
	Foster Branch Water Quality (WY 2019)	17-093	DP1901317	10/1/2018	\$100,858	\$0

Harford County, MD Department of Public Works
Watershed Protection and Restoration
Purchase Orders Issued for Fiscal Year 2019 (MS4 Permit 11-DP-3310)



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County Executive

WPid	Project Name	BidNo	Purchase Order	Start	DP Amount	Grant Amount
WP000100	Watervale Creek Stream Restoration					
	Design	15-276I	DP1901565	10/25/2018	\$105,000	\$0
WP000033	Willoughby Beach SWM Retrofit & Stream Restoration					
	Post-construction (2019 - 2022)	16-073V	PO-00000931	7/1/2019	\$54,986	\$0
WP000020	Woodbridge Stream Restoration					
	Post-construction Monitoring (2018 - 2019)	16-153U	DP1902552	4/9/2019	\$14,970	\$0

Harford County, MD Department of Public Works
 Watershed Protection and Restoration
 Purchase Orders Issued for Fiscal Year 2019 (MS4 Permit 11-DP-3310)



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 County Executive

WPid	Project Name	BidNo	Purchase Order	Start	DP Amount	Grant Amount	
					Total	\$2,408,671	\$0



Green Choices ... Healthy Streams

Harford Streams is a program developed and administered through Harford County Department of Public Works

HarfordStreams@HarfordCountyMD.gov www.Facebook.com/HarfordStreams

(410) 638-3217

HARFORD COUNTY
TOTAL FY 20 APPROVED BUDGET ALL FUNDS
\$903,624,125

OPERATING BUDGET
\$747,658,125

GENERAL FUND
 \$595,390,000

HIGHWAYS FUND
 \$55,385,000

WATER & SEWER FUND
 \$61,980,000

WATER & SEWER DEBT SERVICE
 \$16,796,125

**PARKS & RECREATION SPECIAL
 REVENUE FUND**
 \$1,020,000

AG PRESERVATION - COUNTY
 \$12,472,000

AG PRESERVATION - STATE
 \$255,000

TAX INCREMENT FINANCING
 \$1,167,000

STORMWATER MANAGEMENT FUND
 \$3,193,000

CAPITAL BUDGET
\$155,966,000

GENERAL CAPITAL
 \$44,381,400

STORMWATER MANAGEMENT
 \$10,950,000

PUBLIC SAFETY
 \$6,000,000

HARFORD COMMUNITY COLLEGE
 \$2,518,000

HARFORD COUNTY PUBLIC LIBRARIES
 \$250,000

BOARD OF EDUCATION
 \$42,861,600

SOLID WASTE SERVICES
 \$1,525,000

PARKS & RECREATION
 \$14,270,000

HIGHWAYS FUND
 \$28,465,000

WATER & SEWER FUND
 \$4,745,000

**HARFORD COUNTY MARYLAND
FISCAL YEAR 2020 BUDGET SUMMARY**

While the Administration follows the standardized Annual Budget Process, the development of each fiscal year's budget is unique. Consideration must be given to the current and projected economic conditions, the changing wants and needs of our citizens, and our operational requirements, all of which must be weighed against the fiscal policies and management techniques adopted by the Administration.

In developing our Fiscal Year 2020 Operating and Capital Budgets we continued to lead the way forward on our chosen path toward balance and fiscal responsibility for our citizens and employees. We continue to eliminate annual increases in the county's debt burden and reinvest in the people who provide valuable services for our citizens.

This budget is sensibly balanced to provide record funding for public safety and education without raising taxes. The county's funding for Harford County Public Schools is \$10,698,174 over the required Maintenance of Effort level. The allocation for schools includes an increase of \$10 million to support our teachers salaries and \$650,000 to enhance the school psychologist pay to strengthen mental health services. Funding for all county employees as well as employees of the State's Attorney's Office and Circuit Court systems provides for a \$2,000 merit-based increase for those eligible. In addition, \$1.9 million was allocated to provide Sheriff's Office personnel with the requested salary increases. Additional operating funds equivalent to a 2% increase is provided to the Harford County Public Library and Harford Community College. Historic level funding continues for our first responders to include the volunteer fire companies and EMS.

**HARFORD COUNTY MARYLAND
FISCAL YEAR 2020 BUDGET SUMMARY**

REVENUES

ALL FUNDS

FY 20 Approved Budget	747,658,125
FY 19 Approved Budget	734,607,025
\$ increase	13,051,100
% increase	1.78%

FUNDING SOURCE

GENERAL	595,390,000
HIGHWAYS	55,385,000
PARKS AND RECREATION	1,020,000
AG PRESERVATION - COUNTY	12,472,000
AG PRESERVATION - STATE	255,000
TAX INCREMENT FINANCING	1,167,000
WATER & SEWER OPERATING	61,980,000
WATER & SEWER DEBT SERVICE	16,796,125
STORMWATER MANAGEMENT FUND	3,193,000
FY 20 TOTAL ALL FUNDS	<u>747,658,125</u>

REVENUE SOURCE

PROPERTY TAXES	317,457,500
INCOME TAXES	233,500,000
W & S USER CHARGES	51,171,700
W & S CAPITAL CHARGES	11,367,225
INTERGOVERNMENTAL/STATE-SHARED	10,200,000
OTHER LOCAL TAXES & ASSESSMENTS	22,870,900
INVESTMENT INCOME	4,782,409
FUND BAL APPROP/UNRESTRICTED NET POSITION	31,624,505
OTHER REVENUE	64,683,886
FY 20 TOTAL ALL REVENUES	<u>747,658,125</u>

**HARFORD COUNTY MARYLAND
FISCAL YEAR 2020 BUDGET SUMMARY**

REVENUES

A more in depth discussion of individual revenue streams can be found in each "Fund" Section of the document.

For Fiscal Year 2020, Property and Income tax revenues are estimated to generate 73% of the total of all revenue.

Property Taxes

FY 20 Approved Budget	317,457,500	42.46% of the Total All Funds FY 20 Operating Budget
FY 19 Approved Budget	308,798,875	42.03% of the Total All Funds FY 19 Operating Budget
\$ increase	8,658,625	
% increase	2.80%	

Property Tax revenue estimates are based on a thorough analysis of lien sheet activity, deed activity, building permit data, residential sales, Transfer Tax transaction data, and Maryland State Department of Assessments and Taxation Distribution Tracking Information.

Maryland State law provides that all property is subject to the property tax. Properties are reassessed by law once every three years and property owners are notified by the Maryland State Department of Assessments and Taxation of any change in their assessment. Properties are required to be assessed at their current market value so that each property owner pays their fair share of local property taxes.

For FY 20, the total Property Tax rate was unchanged. Real property is assessed at 100% of market value with a tax rate of \$1.042 per one hundred dollars of full value and \$2.60 for corporate and personal property.

Income Taxes

FY 20 Approved Budget	233,500,000	31.23% of the Total All Funds FY 20 Operating Budget
FY 19 Approved Budget	226,700,000	30.86% of the Total All Funds FY 19 Operating Budget
\$ increase	6,800,000	
% increase	3.00%	

We receive approximately 90% of Income Tax in quarterly distributions of withholdings and estimated payments. We estimated the FY 19 actual amount to be what we originally budgeted \$226,700,000. FY 20 is expected to grow to \$233,500,000 or approximately 3.0%.

**HARFORD COUNTY MARYLAND
FISCAL YEAR 2020 BUDGET SUMMARY**

Recordation Tax

FY 20 Approved Budget	14,432,800	1.93% of the Total All Funds FY 20 Operating Budget
FY 19 Approved Budget	14,903,700	2.03% of the Total All Funds FY 19 Operating Budget
\$ decrease	(470,900)	
% decrease	(3.16)%	

State law imposes a tax on every instrument of writing recorded or offered for record with the Clerk of the Circuit Court (liens, deeds, mortgages, etc.), at the rate of \$6.60 per \$1,000 of the actual consideration to be paid for property transferred, or of the principal amount of the debt secured. Harford County splits the proceeds from this tax: 2/3 to fund school debt and/or school construction; 1/6 to fund Parks and Recreation capital projects; and 1/6 to fund local watershed protection and restoration projects.

Fund Balance/Unrestricted Net Position

FY 20 Approved Budget	31,624,505	4.23% of the Total All Funds FY 20 Operating Budget
FY 19 Approved Budget	40,975,345	5.57% of the Total All Funds FY 19 Operating Budget
\$ decrease	(9,350,840)	
% decrease	(22.82)%	

Fund Balance has been appropriated in the General Fund at \$17,371,610. This funding will be utilized for Paygo for FY 20 capital projects. Parks and Recreation Special Revenue Fund Balance of \$220,500 will also be used to support improvements at our Swan Harbor Farm facility. The Stormwater Management Fund will use \$460,000 of Fund Balance and the Highways fund will use \$5,753,004. Funded Depreciation-Contributed Capital for Water and Sewer Enterprise fund is appropriated at \$7,819,391.

PUBLIC WORKS - DIVISION OF PROGRAM MANAGEMENT
Stormwater Management - General Fund
Index #301603

ORIGIN/PURPOSE:

The Stormwater Management group is responsible for three separate programs: (1) Plan review and approval for stormwater management and sediment control; (2) Construction and post-construction/maintenance inspections for stormwater management; and (3) Implementation of the County's MS4 permit, or National Pollution Discharge Elimination System (NPDES) Municipal Storm Separate Sewer System (MS4) permit.

Administration of the stormwater management and sediment control program is delegated by the Maryland Department of the Environment (MDE). Recent updates to the state stormwater management regulations have required new development to focus on designing and constructing smaller stormwater management facilities resulting in a significantly larger number of facilities being constructed. The new regulations have increased plans review times and the time required to complete inspections.

Harford County received its most recent five-year MS4 permit in December, 2014. The MS4 permit is required by the Environmental Protection Agency (EPA) and issued by MDE. Permit requirements include assessing stream health through watershed assessments, identifying opportunities to improve stream health through watershed restoration plans, and designing and constructing watershed restoration projects to improve stream health. Projects include but are not limited to constructing new stormwater management facilities, upgrading existing stormwater management facilities, and constructing stream restorations. Additional permit requirements include monitoring stream health, identifying sources of potential impacts to stream health from commercial, industrial and residential properties and implementing a public outreach program.

All funds were transferred from #303320 Stormwater Management Fund to new index #301603 Stormwater Management - General Fund due to Bill No. 14-036 repealing the stormwater remediation fees.

FY 20 GOALS:

TO MANAGE PROJECT CONSTRUCTION AND INSPECTION

TO COORDINATE ALL ACTIVITIES OF THE PROJECT TEAM

TO MANAGE AND COORDINATE MS4 ACTIVITIES

TO MANAGE THE PERMIT AND REVIEW PROCESS

TO DIRECT AND MANAGE PROJECT DESIGN

TO MEET FUNCTIONAL NEEDS OF CUSTOMER AGENCIES

PUBLIC WORKS - DIVISION OF HIGHWAYS
Stormwater Management - General Fund
Index #301603

ALL FUND SUMMARY:

	AUDITED FY 17	AUDITED FY 18	ORIGINAL BUDGET FY 19	EXECUTIVE PROPOSED FY 20	ENACTED FY 20
<u>SUMMARY BY CHARACTER:</u>					
10 PERSONAL SERVICES	1,158,525	1,286,969	1,258,451	1,140,648	1,140,648
20 CONTRACTUAL SERVICES	114,388	130,880	327,522	327,522	327,522
30 SUPPLIES & MATERIALS	11,885	7,025	8,945	8,945	8,945
40 BUSINESS AND TRAVEL	10,269	10,969	17,650	17,650	17,650
50 CAPITAL OUTLAY	460	167	0	0	0
70 MISCELLANEOUS	6,139	33,991	10,608	6,586	6,586
80 INTER-GOVERNMENTAL/INTERFUND	0	0	200	200	200
GRAND TOTAL	1,301,666	1,470,001	1,623,376	1,501,551	1,501,551
<u>SUMMARY BY FUND:</u>					
11 GENERAL	1,301,666	1,470,001	1,623,376	1,501,551	1,501,551
	1,301,666	1,470,001	1,623,376	1,501,551	1,501,551
<u>SUMMARY BY DIVISION:</u>					
301603 STORMWATER MANAGEMENT	1,301,666	1,470,001	1,623,376	1,501,551	1,501,551
GRAND TOTAL	1,301,666	1,470,001	1,623,376	1,501,551	1,501,551

PUBLIC WORKS - DIVISION OF PROGRAM MANAGEMENT

Bureau of Construction Inspection

Index #303220

ORIGIN/PURPOSE:

The Bureau of Construction Inspections (BCI) provides inspection services for construction of roads, bridges, storm water management facilities, water distribution lines, sewer lines and sewage pump stations, and commercial development infrastructure that will be transferred to county ownership. BCI also provides enforcement inspections of stormwater management facilities and erosion and sediment control measures at all public and private construction sites county-wide.

FY 20 GOALS:

TO MANAGE PROJECT CONSTRUCTION AND INSPECTION

TO COORDINATE ALL ACTIVITIES OF THE PROJECT TEAM

TO ENFORCE GRADING AND SWM PERMIT REQUIREMENTS

TO ENSURE SWM FACILITIES FUNCTION LONG-TERM

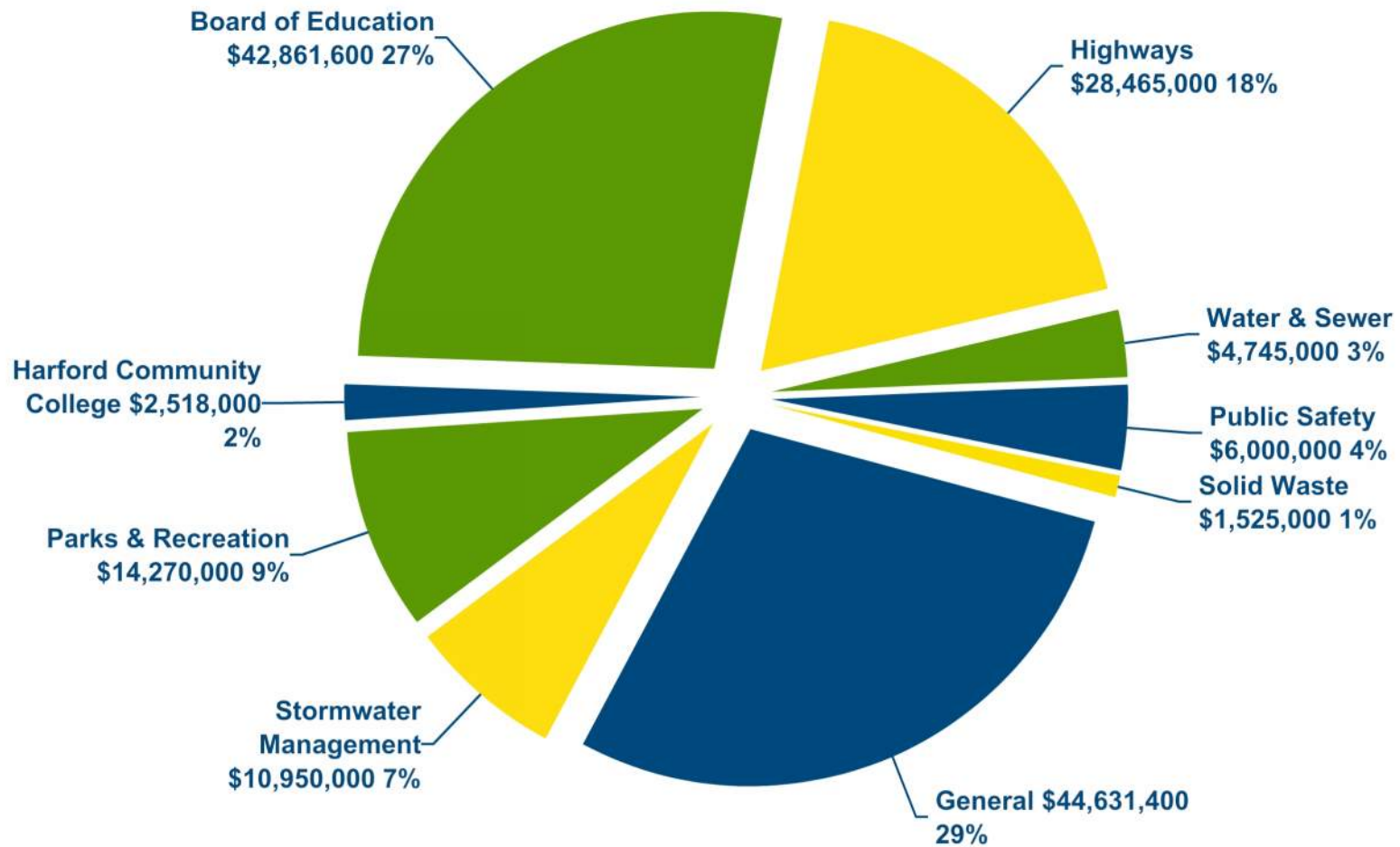
TO MEET FUNCTIONAL NEEDS OF CUSTOMER AGENCIES

PUBLIC WORKS - DIVISION OF PROGRAM MANAGEMENT
Bureau of Construction Inspection
Index #303220

ALL FUND SUMMARY:

	AUDITED FY 17	AUDITED FY 18	ORIGINAL BUDGET FY 19	EXECUTIVE PROPOSED FY 20	ENACTED FY 20
<u>SUMMARY BY CHARACTER:</u>					
10 PERSONAL SERVICES	1,603,092	1,541,346	1,633,497	1,878,467	1,878,467
20 CONTRACTUAL SERVICES	51,193	94,317	266,250	266,250	266,250
30 SUPPLIES & MATERIALS	19,187	10,465	14,700	14,700	14,700
40 BUSINESS AND TRAVEL	32,049	32,836	62,475	62,475	62,475
50 CAPITAL OUTLAY	682	0	0	0	0
80 INTER-GOVERNMENTAL/INTERFUND	9	0	3,500	3,500	3,500
GRAND TOTAL	<u>1,706,212</u>	<u>1,678,964</u>	<u>1,980,422</u>	<u>2,225,392</u>	<u>2,225,392</u>
<u>FUNDING SOURCE:</u>					
25 HIGHWAYS	<u>1,706,212</u>	<u>1,678,964</u>	<u>1,980,422</u>	<u>2,225,392</u>	<u>2,225,392</u>

**Approved Capital Budget Appropriations
Fiscal Year 2019 - 2020
Total Budget \$155,966,000**



CAPITAL PROJECTS THAT IMPACT THE OPERATING BUDGET
PROJECTS THAT IMPACT DEBT SERVICE

Project Title	Prior Bond Appropriation	FY 20 Bond Funding	Estimated Annual Debt Service
<u>STORMWATER MANAGEMENT PROJECTS:</u>			
County Owned Watershed Restoration Improvements	\$6,150,000	\$400,000	\$182,745
Joppatowne Area Watershed Restoration	\$2,150,000	\$800,000	\$82,305
Middle Bynum Run Watershed Restoration Improvements	\$0	\$200,000	\$5,580
Plumtree Run Watershed Restoration	\$2,650,000	\$2,000,000	\$129,735
Sams Branch Watershed Restoration	\$770,000	\$100,000	\$24,273
Sunnyview Stream Restoration	\$700,000	\$1,500,000	\$61,380
Watershed Restoration Assessment	\$4,050,000	\$1,000,000	\$140,895
Watershed Restoration Improvements	\$1,650,000	\$0	\$46,035
Watershed Restoration Maintenance	\$160,000	\$0	\$4,464
Wheel Creek Watershed Restoration	\$1,300,000	\$150,000	\$40,455
Riverside Area Watershed Restoration	\$1,720,000	\$0	\$47,988
Upper Bynum Run Watershed Restoration Improvements	\$1,200,000	\$0	\$33,480
Bynum Run @ St. Andrews Way Stream Restoration	\$1,000,000	\$0	\$26,800

HARFORD COUNTY, MARYLAND
APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR FY 2020	FIVE YEAR CAPITAL PROGRAM				
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
TOTAL COUNTY BY CATEGORY								
GENERAL FUND								
General Capital	277,319,640	118,613,240	44,381,400	23,275,000	22,775,000	22,775,000	22,750,000	22,750,000
Stormwater Management	123,102,508	53,652,508	10,950,000	11,700,000	11,550,000	11,650,000	11,750,000	11,850,000
Sheriff/Emergency/Fire	61,504,525	50,754,525	6,000,000	950,000	950,000	950,000	950,000	950,000
Harford Community College	47,292,800	15,439,800	2,518,000	27,153,000	2,182,000	0	0	0
Library	11,525,460	10,025,460	250,000	250,000	250,000	250,000	250,000	250,000
Board of Education	383,348,506	316,160,406	42,861,600	5,430,000	4,837,000	4,673,000	4,695,500	4,691,000
SUB-TOTAL GENERAL FUND PROJECTS	904,093,439	564,645,939	106,961,000	68,758,000	42,544,000	40,298,000	40,395,500	40,491,000
SOLID WASTE SERVICES	55,394,767	50,344,767	1,525,000	675,000	825,000	700,000	675,000	650,000
PARKS & RECREATION	162,695,020	87,205,020	14,270,000	8,555,000	16,280,000	15,160,000	13,815,000	7,410,000
HIGHWAYS FUND								
Bridges	67,385,468	31,555,468	8,265,000	9,130,000	5,275,000	5,775,000	3,305,000	4,080,000
Roadways	48,276,682	24,031,682	2,960,000	7,700,000	6,250,000	2,225,000	1,835,000	3,275,000
Resurfacing	89,878,154	34,778,154	8,725,000	9,075,000	9,325,000	9,325,000	9,325,000	9,325,000
Other	36,135,750	25,650,750	8,515,000	810,000	290,000	290,000	290,000	290,000
TOTAL HIGHWAYS PROJECTS	241,676,054	116,016,054	28,465,000	26,715,000	21,140,000	17,615,000	14,755,000	16,970,000
WATER & SEWER FUNDS								
Water Projects	158,744,650	122,919,650	5,775,000	5,500,000	3,900,000	4,350,000	9,500,000	6,800,000
Sewer Projects	115,501,008	76,631,008	(1,030,000)	9,800,000	12,700,000	12,600,000	1,500,000	3,300,000
TOTAL WATER & SEWER PROJECTS	274,245,658	199,550,658	4,745,000	15,300,000	16,600,000	16,950,000	11,000,000	10,100,000
COUNTY TOTAL BY PROJECTS	1,638,104,938	1,017,762,438	155,966,000	120,003,000	97,389,000	90,723,000	80,640,500	75,621,000

HARFORD COUNTY, MARYLAND
APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR FY 2020	FIVE YEAR CAPITAL PROGRAM				
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
STORMWATER MANAGEMENT								
<u>FY 20 Funded Projects:</u>								
County Owned Stormwater Management Rehab & Repair	750,000	150,000	100,000	100,000	100,000	100,000	100,000	100,000
County Owned Watershed Restoration Improvements	28,525,000	10,400,000	400,000	3,225,000	3,475,000	3,575,000	3,675,000	3,775,000
Joppatowne Area Watershed Restoration	8,550,000	4,400,000	1,400,000	550,000	550,000	550,000	550,000	550,000
Maintenance/Repair of Dams	4,455,000	2,055,000	400,000	400,000	400,000	400,000	400,000	400,000
Middle Bynum Run Watershed Restoration Improvements	200,000	0	200,000	0	0	0	0	0
Plumtree Run Watershed Restoration	12,143,452	5,643,452	2,000,000	900,000	900,000	900,000	900,000	900,000
Sams Branch Watershed Restoration	5,772,922	2,672,922	1,100,000	400,000	400,000	400,000	400,000	400,000
Septic System Disconnection	700,000	150,000	50,000	300,000	50,000	50,000	50,000	50,000
Stormwater Pollution Prevention	1,931,395	1,031,395	150,000	150,000	150,000	150,000	150,000	150,000
Sunnyview Stream Restoration	4,692,220	1,992,220	2,700,000	0	0	0	0	0
Watershed Restoration Assessment	16,500,000	5,500,000	1,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000
Watershed Restoration Improvements	6,200,000	2,250,000	1,200,000	550,000	550,000	550,000	550,000	550,000
Watershed Restoration Maintenance	960,000	360,000	100,000	100,000	100,000	100,000	100,000	100,000
Wheel Creek Watershed Restoration	7,139,607	6,839,607	150,000	150,000	0	0	0	0
<u>Ouytear Projects:</u>								
Riverside Area Watershed Restoration	7,960,886	3,585,886	0	875,000	875,000	875,000	875,000	875,000
Upper Bynum Run Watershed Restoration Improvements	12,000,000	2,000,000	0	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000
<u>Open Projects</u>								
Bynum Run @ St. Andrews Way Stream Restoration	2,997,026	2,997,026	0	0	0	0	0	0
Lilly Run Watershed Restoration	725,000	725,000	0	0	0	0	0	0
Stormwater Enhancement	900,000	900,000	0	0	0	0	0	0
	123,102,508	53,652,508	10,950,000	11,700,000	11,550,000	11,650,000	11,750,000	11,850,000
Paygo - Special Dedicated Paygo	7,015,740	4,065,740	450,000	700,000	450,000	450,000	450,000	450,000
Prior Paygo	0	0	0	0	0	0	0	0
Prior Bonds	23,500,000	23,500,000	0	0	0	0	0	0
Future Bonds	40,400,000	0	6,150,000	6,650,000	6,750,000	6,850,000	6,950,000	7,050,000
Reappropriated	3,971,768	1,971,768	0	400,000	400,000	400,000	400,000	400,000
Recordation Tax	200,000	200,000	0	0	0	0	0	0
State	39,007,016	17,457,016	3,800,000	3,550,000	3,550,000	3,550,000	3,550,000	3,550,000
Federal	5,747,984	3,297,984	200,000	450,000	450,000	450,000	450,000	450,000
Developer	85,000	85,000	0	0	0	0	0	0
Other	5,175,000	3,075,000	350,000	350,000	350,000	350,000	350,000	350,000
Stormwater Management Total by Fund	125,102,508	53,652,508	10,950,000	12,100,000	11,950,000	12,050,000	12,150,000	12,250,000



Maryland

Department of the Environment

Larry Hogan, Governor
Boyd K. Rutherford, Lt. Governor

Ben Grumbles, Secretary
Horacio Tablada, Deputy Secretary

APR 10 2019

Mr. Joseph J. Siemek, P.E.
Director of Public Works
Harford County
212 South Bond Street, 3rd Floor
Bel Air, MD 21014

Dear Mr. Siemek:

This letter acknowledges the Maryland Department of the Environment's (Department) receipt, on December 20, 2018, of Harford County's 2018 Financial Assurance Plan (FAP) and 2018 Watershed Protection and Restoration Program (WPRP) Annual Report as required by the Annotated Code of Maryland.

Chapter 124 of the Acts of the General Assembly of 2015 requires the Department to make a determination regarding the sufficiency of funding in each FAP filed with the Department. The first FAP, filed in 2016 by the County, was found to demonstrate sufficient funding for the 2-year period immediately following the filing date of the FAP. The second and subsequent FAP, is sufficient if it demonstrates that the County has the dedicated revenues, funds, or sources of funds to meet, for the 2-year period immediately following the filing date of the FAP, 100% of the projected costs of compliance with the impervious surface restoration plan (ISRP) requirements of the County's National Pollutant Discharge Elimination System (NPDES) Phase I Municipal Separate Storm Sewer System (MS4) permit.

After reviewing Harford County's 2018 FAP, the Department has determined that the County has demonstrated that it has sufficient funding in its FAP. The Department has provided more detailed comments in an attachment for the County's information and use. The County's next WPRP Annual Report will be due in coordination with its next MS4 Annual Report, and its FAP will be due in coordination with the 2020 MS4 Annual Report.

The Department recognizes the substantial effort required in developing these FAPs and WPRP Annual Reports, and looks forward to working with Harford County on this very important environmental program for improving local water resources and Chesapeake Bay. If you have any questions regarding this review, please contact me at 410-537-3567 or Jennifer M. Smith at 410-537-3561, or jenniferm.smith@maryland.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "D. Lee Currey".

D. Lee Currey
Director, Water and Science Administration

cc: Jennifer M. Smith, P.E., Program Manager, Sediment, Stormwater, and Dam Safety Program
Christine Buckley, Harford County Department of Public Works

Attachment

**Maryland Department of the Environment's (MDE) Review of
Harford County's 2018 Financial Assurance Plan (FAP)**

Plan Condition	MDE Assessment and Recommendations
<p>Demonstration of Sufficient Funding</p>	<ul style="list-style-type: none"> • The County submitted its FAP to MDE on December 20, 2018 satisfying State reporting requirements. • Harford County held the required public hearing on October 9, 2018. • The County also submitted to MDE County Council Resolution NO. 013-18, providing approval of the County's FAP. • The County's FAP demonstrates sufficient funding for the projected ISRP costs for the next two-year period. The County's revenue represents 102% of the costs (i.e., \$23.18M in revenue versus \$22.75M in cost).
<p>Actions to Meet Permit Requirements ("All Actions" worksheet)</p>	<ul style="list-style-type: none"> • Harford County provided a narrative that included capital budget projections for implementing the Municipal Separate Storm Sewer System (MS4) permit, impervious surface information, and staff costs. • The County's impervious surface baseline is 11,094 impervious acres with little or no water quality treatment. The County's current permit requires that 20% of that area, or 2,218 impervious acres, be restored during the course of its permit term. The 2,218 impervious acre requirement is also known as the Impervious Surface Restoration Plan (ISRP) requirement. • The County provided specific types of best management practices (BMPs) in the "All Actions" worksheet. The worksheet includes projects completed in Fiscal Year (FY) 2018 and those that are expected to be completed between FY2019 and FY2023. All BMPs chosen by the County are approved in MDE's Accounting Guidance. • The County applied restoration implemented beginning in FY2009, the year the previous permit expired, to the ISRP requirement. Accordingly, the County revised its worksheet to designate FY2010–FY2020 as the permit term. This change is acceptable. • The County proposed that it will meet its ISRP requirement, assuming that 1,331 acres of treatment (i.e., 60% of the restoration requirement) is achieved by trading with its wastewater treatment plants (WWTPs) in an amount equivalent to the impervious surface pollutant reductions. The County stated that trading will be temporary while the County continues to complete restoration projects. • Water Quality Trading Program regulations, Code of Maryland Regulations (COMAR) 26.08.11, became effective on July 16, 2018. The Department supports nutrient trading with the wastewater sector to achieve restoration goals; however, the current permit must be modified accordingly. The permit modification process will require time and effort; the Department recommends that the County initiate this process as soon as possible so that the trading option may be added to the County's MS4 permit before the end of the term in December 2019. • The County expects to have completed stream restorations for 441 acres of impervious surface restoration by the end of the current permit term. From FY2010–FY2017, the County completed seven stream restoration projects to

MDE's Review of Harford County's 2018 FAP

Plan Condition	MDE Assessment and Recommendations
<p>Annual and Projected Costs</p> <p>("All Actions" and "ISRP Cost" worksheet)</p>	<ul style="list-style-type: none"> • The data are complete for annual and projected costs for FY2018 through FY2023. All cost formulas for two-year, five-year (or permit term), and all-year sum totals are correct. • The restoration cost per acre for completed operational and capital projects (FY2010–FY2017) is \$14,389. The County's cost of projected capital and operational projects in FY2019 and FY2020 is \$30,510 per acre (i.e., a 112% increase over FY2010–FY2017 costs) and for FY2010 through FY2020 is \$33,045 per acre. Taking the cost saving option of nutrient trading into account, restoration cost per acre for the permit term (i.e., FY2010–FY2020) is \$13,434 per acre. • The five-year (or permit term) and all-year subtotals in the "All Actions" worksheet include the correct subtotals for costs from the Specific Actions worksheet. • The "All Actions" cost for FY2019–2020 is \$18,608,000 while the reported ISRP Cost for the same period is \$22,750,000.
<p>Annual and Projected Revenues</p> <p>("ISRP Revenue" worksheet)</p>	<ul style="list-style-type: none"> • The data are complete for annual and projected revenues for FY2018 through FY2023 and the worksheet formulas are correct. • The reported ISRP revenue equals the percent of funds directed toward the ISRP. • The reported revenue for the next two fiscal years exceeds the reported cost for the next two fiscal years (i.e., 102% of the cost).
<p>Funding Sources</p>	<ul style="list-style-type: none"> • The data are complete for applicable sources of funds for FY2018–FY2023 and the worksheet formulas are correct. • Sources of funds for the next two years include: <ul style="list-style-type: none"> ○ General Obligation Bonds = \$12.2M ○ State Grants = \$7.7M ○ General Funds = \$2.8M ○ Federal Grants = \$0.9M ○ Recordation Tax = \$0.8M ○ Total Funding Sources = \$24.4M • The largest sources of funds are general obligation bonds and state funded grants. For FY2018–FY2020, \$18M and \$12.8M were reported for bonds and State and federal grants, respectively. For FY2021–FY2023, \$19.05M and \$12M were reported for bonds and grants, respectively. No loans were reported. • The total funds for each fiscal year exceed the annual revenue appropriated for ISRP (i.e., appropriated annual ISRP revenue is 95% of the funding source or \$23,180,000).