Maryland Department of the Environment

2012 Maryland Water Pollution Control Fund Annual Report

MARYLAND WATER POLLUTION CONTROL FUND ANNUAL REPORT

FISCAL YEAR 2012



MARYLAND DEPARTMENT OF THE ENVIRONMENT

JANUARY 15, 2013

ROBERT M. SUMMERS, Ph.D. SECRETARY

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SECTION I OVERVIEW OF THE WATER POLLUTION CONTROL FUND

REVIEW OF FUND PERFORMANCE

A total of \$941 million has been authorized under the Water Pollution Control Fund (Fund) through FY 2012. Of the \$941 million authorized, 99.6% of the Fund has been encumbered and \$843 million, 90%, has been expended. During FY 2012, the Board of Public Works (BPW) approved approximately \$50 million for Fund projects. In FY 2012, MDE processed payments totaling \$17.8 million.

OVERALL FUND PERFORMANCE

The Maryland Department of the Environment (MDE) continues to take steps to improve the overall performance of the Fund by targeting high priority projects that are ready to proceed; by tracking the encumbrances and expenditures of State General Obligation Bonds and PAYGO funds; and by monitoring the timely completion of projects.

The Biological Nutrient Removal Cost-Share Program (BNR) is the largest grant program within the Fund; therefore, the flow of expenditures in this Program sets the trend for the Fund. The level of the BNR Program expenditures is closely tied to the construction schedule of the projects. Most BNR projects are multi-year projects, where cash flow needs are relatively low at the beginning and the end of a project and high during and just beyond the mid-point of construction. The original goal of the voluntary Program was to fulfill Maryland's commitments under the multi-state Chesapeake Bay Clean-Up Agreement, which committed the State to reduce the amount of nutrients, particularly nitrogen and phosphorus, being discharged from sewage treatment plants into the waters of the State. This goal became a requirement in December 2010 when U.S. Environmental Protection Agency (EPA) issued the Final Chesapeake Bay Total Maximum Daily Load (TMDL). Removing excess nutrients at the wastewater treatment plants is essential to improving water quality in the Bay and meeting the Bay TMDL. BNR is the first phase of upgrading wastewater treatment plants and must be done prior to, or in conjunction with, Enhanced Nutrient Removal (ENR), in order to realize the Bay restoration requirements.

FUND PERFORMANCE OBJECTIVES

The Department will continue its strong commitment to aggressive fund management in an effort to accelerate the rate of expenditures and undertake timely implementation of pollution control capital projects. MDE remains committed to funding projects that will achieve its goals of improving and maintaining the quality of the State's water resources to a level that supports a balanced population of aquatic resources and protects the public health.

FUTURE FUNDING NEEDS

At EPA's direction, MDE periodically gathers information from local governments for the federal Clean Water Needs Survey to meet requirements in Section 516 of the Clean Water Act. This report documents the needs for sewerage facilities, including sanitary sewer and combined

sewer overflow abatement/elimination needs, and non-point source pollution controls throughout Maryland. The 2008 *Clean Water Needs Survey* identified essential repairs, abatement and upgrades totaling \$13.9 billion in Maryland of which essential wastewater system repairs, abatement and upgrades totaled \$4.7 billion. (Note: The 2012 *Clean Watersheds Needs Survey* official data collection period is underway, with the subsequent Report to Congress to be delivered in 2013.) The needs identified in the *Needs Survey* to address point source pollution include: repairing and replacing aging and failing sewerage infrastructure; upgrading aging wastewater treatment plants (WWTP); and installing nutrient removal technology at major facilities. Installing Best Management Practices (BMPs) and restoring degrading streams, creeks, and estuaries are identified in the *Needs Survey* to address non-point source pollution.

Maryland, along with other signatory jurisdictions, is required to make additional nutrient and sediment reductions to remove the Chesapeake Bay and the tidal portions of its tributaries from the list of impaired waters under the federal Clean Water Act by 2025; failure to do so may trigger regulatory and other consequences. At the 26th meeting of the Chesapeake Bay Executive Council in 2008, Maryland committed to ambitious two-year milestones to focus efforts toward meeting its nutrient reduction requirements. The largest and most cost-effective nutrient reductions are expected to come from wastewater treatment plant upgrades. Additional funding may be needed as upgrades to some major minor facilities (i.e., wastewater treatment plants with a design capacity of less than 500,000 gallons per day) may be required to meet the Bay TMDL.

RELATIONSHIP OF PROGRAMS TO SMART GROWTH

All of the Programs funded with the Water Pollution Control Fund are managed in a way that ensures compatibility with Smart Growth. Water and sewer projects must be consistent with the County Comprehensive Land Use Plans, the County Water and Sewerage Plans, and the Maryland Economic Growth Resource Protection and Planning Act of 1992, 1997 Priority Funding Areas (PFA) Law, and the Governor's Executive Order 01.01.2003.33 - Maryland's Priority Places Strategy.

Table 1 provides a summary of the Water Pollution Control Fund as of June 30, 2012, excluding funds from the Maryland Consolidated Capital Bond Loan of 2012. The first column of the table identifies the total amount of legislatively authorized funds, from inception, for each Program. The second column identifies the funds authorized by the Board of Public Works. The third column shows the total amount expended. The last column shows the unencumbered balance. The completed programs that no longer have activity in the Department are located at the bottom of the table.

TABLE 1
WATER POLLUTION CONTROL FUND STATUS AS OF JUNE 30, 2012*
(Including PAYGO funds)

PROGRAM	TOTAL <u>AUTHORIZED</u>	TOTAL ENCUMBERED	TOTAL EXPENDED	TOTAL <u>UNENCUMBERED</u>
NUTRIENTS/NITROGEN REMOVAL	\$343,756,162	\$342,994,715	\$258,341,470	\$761,447
SUPPLEMENTAL ASSISTANCE	93,094,257	90,395,344	83,257,459	2,698,913
SMALL CREEK AND ESTUARY RESTORATION	18,040,594	18,040,233	16,470,216	361
URBAN STORMWATER	24,621,515	24,621,515	23,401,186	0
COMPLETED PROGRAM	MS			
GENERAL CONSTRUCTION	375,193,189	375,193,189	375,193,189	0
FAILING SEPTIC TANK	16,434,717	16,434,717	16,434,717	0
STATE LOANS FOR LOCAL SHARE	20,566,589	20,566,589	20,566,589	0
COMPREHENSIVE RIVER BASIN	3,837,438	3,837,438	3,837,438	0
PRETREATMENT LOANS	936,000	936,000	936,000	0
PRINCESS ANNE WWTP	7,000,000	7,000,000	7,000,000	0
CHLORINE REMOVAL	1,558,280	1,558,280	1,558,280	0
MACS TOTAL	35,934,218 \$940,972,959	35,934,218 \$937,512,238	35,934,218 \$842,930,762	\$3,460,721

^{*} Excludes funds from the Maryland Consolidated Capital Bond Loan of 2012

SECTION II STATUS OF WATER POLLUTION CONTROL FUND PROGRAMS

INTRODUCTION

This section describes each component of the Water Pollution Control Fund in terms of Program effectiveness; projects funded in FY 2012; the projects being funded in FY 2013; the FY 2014 request; and projections for future funding requests.

BIOLOGICAL NUTRIENT REMOVAL

The Biological Nutrient Removal Cost-Share Program (BNR), first funded by the Maryland General Assembly during the 1984 legislative session, is a 50% State and 50% local cost-share grant program. This Program provides funds to local governments for the removal of nutrients from the discharges of municipal sewage treatment plants with a flow of 0.5 million gallons per day (mgd) or greater. Many of the goals of this Program coincide with the 1987 Chesapeake Bay Agreement's goal to reduce nutrients by 40%. The BNR Program is crucial to the implementation of the Chesapeake Bay Agreement's nutrient reduction strategy for point source discharges. These funds have supported the design and implementation of nutrient removal projects that benefit water quality throughout Maryland and in the Chesapeake Bay. Based on the 2011 data, Maryland point sources have reduced the nitrogen load discharged by 17.18 million lbs/yr from 1985 levels.

In the 1996 Legislative Session of the Maryland General Assembly, the enabling legislation for this Program was amended to allow State participation in funding projects for phosphorus removal at certain wastewater treatment plants (WWTPs) where nitrogen reduction was also being funded. Based on the 2011 data, Maryland point sources have reduced the phosphorus load discharged by 1.53 million lbs/yr from 1985 levels.

The 2000 Chesapeake Bay Agreement (C2K Agreement) called for Maryland to reaffirm the 1994 Tributary Strategies as a minimum commitment, and also called for the removal of all nutrient and sediment impairments to the Bay by 2010. The C2K Agreement commits the State to achieve and maintain water quality conditions necessary to support living resources throughout the Chesapeake Bay ecosystem.

Two-Year Milestones, the concept of using incremental, short-term goals to increase restoration work were introduced in 2009. These short-term goals are needed for steady progress toward meeting the nutrient load reductions required by the Chesapeake Bay TMDL. The BNR Program is a vital part of this effort. The largest and most cost-effective nutrient reductions are expected to come from WWTP upgrades.

The cash flow needs for numerous major BNR projects will continue to be substantial. Total needs beyond FY 2014 are estimated at \$42.4 million, based on current estimates. This includes the State share for BNR refinement at Back River, as well as BNR upgrades at Hampstead and Mayo. This estimate is subject to change as project designs are completed and construction bids received. Additional funding for upgrades, including some minor facilities, may be required to meet the Bay TMDL.

As of June 30, 2012, the BNR Program received authorization of \$343.8 million. Of the funds authorized through FY 2012, \$343 million has been encumbered. Expenditures for this Program total \$258 million (75%).

A. BNR PROJECTS FUNDED IN FY 2012

In FY 2012, \$40.3 million was approved by the Board of Public Works for the following

projects:

County	Project	Amount (\$)
Baltimore City	Patapsco WWTP BNR/ENR	3,716,687
Baltimore City	Back River WWTP BNR/ENR	18,000,000
Caroline	Federalsburg WWTP BNR/ENR Upgrade	(260,001)
Cecil	Perryville WWTP BNR/ENR Upgrade	(93,738)
Frederick	Emmitsburg WWTP BNR/ENR Upgrade	3,000,000
Harford	Havre de Grace WWTP BNR/ENR Upgrade	(407,709)
Washington D.C.	Blue Plains WWTP BNR/ENR	17,000,000
Worcester	Snow Hill WWTP BNR/ENR Upgrade	3,096,629
Total		40,335,181

Note: Reversions (negative amounts) are the result of project closeouts.

B. CURRENT BNR PROGRAM (FY 2013): JULY 1, 2012 - DECEMBER 31, 2012

Through December 31, 2012, the Board of Public Works has approved a total of \$1,808,205 for the following projects:

County	Project	Amount (\$)
Carroll	Freedom District WWTP BNR	208,205
Frederick	Frederick (Gas House Pike) WWTP BNR	500,000
Washington	Winebrenner WWTP BNR	100,000
Regional	Blue Plains WWTP BNR	1,000,000
Total		1,808,205

Note: Reversions (negative amounts) are the result of project closeouts.

C. CURRENT BNR PROGRAM (FY 2013): JANUARY 1, 2013 - JUNE 30, 2013

Additional projects slated for action by the Board of Public Works are:

County	Project	Amount (\$)
Baltimore City	Back River WWTP BNR	6,831,481
Baltimore City	Patapsco WWTP BNR	1,283,770
Carroll	Freedom District WWTP BNR	4,120,205
Frederick	Emmitsburg WWTP BNR	1,366,617
Frederick	Frederick (Gas House Pike) WWTP BNR	2,730,000
Washington	Winebrenner WWTP BNR	2,712,400
Regional	Blue Plains WWTP BNR	4,668,769
Total		23,713,242

D. BNR FY 2014 FUNDING NEEDS

For FY 2014, MDE has requested \$29.2 million in GO bonds for the following new or ongoing BNR projects:

County	Project	Amount (\$)
Baltimore City	Back River Wastewater Treatment Plant - Biological Nutrient	16,100,000
	Removal	
Wicomico	Salisbury Wastewater Treatment Plant - Biological Nutrient	13,100,000
	Removal	
Total		29,200,000

E. FUTURE BNR FUNDING NEEDS

MDE requested the following funds for the BNR Program. Additional funds may be needed to install additional nutrient removal technology at major-minor wastewater treatment plants to meet Maryland's Chesapeake Bay TMDL allocation by 2025.

Fiscal Year	2015	2016	2017	2018
Millions of Dollars	21.2	21.2	10.0	10.0

SUPPLEMENTAL ASSISTANCE PROGRAM

The Supplemental Assistance Program has been an important supplement to the Federal Construction Grants and the State Revolving Loan Fund Programs. The Supplemental Assistance Program funds are often leveraged using federal Rural Development and/or Community Development Block Grant funds to make projects affordable for local governments. These funds have been used for eliminating health hazards from failing septic systems in older, rural and low-income areas, as well as for special projects for demonstrated water quality improvements. This Program helps to pay for compliance-related wastewater treatment plant rehabilitation; the connection of older, established communities with failing septic systems to public sewers; and the abatement of combined sewer overflows, excessive inflow and infiltration, antiquated pump stations and sewerage collection systems.

The Supplemental Assistance grant funds are directed to small jurisdictions, which may have difficulty providing the required local match to the eligible portion of the project. The Supplemental Assistance grant funds are often the "gap" funding mechanism, which enables a community to afford the project without overburdening the rate-payers, who are often on fixed or lower incomes. Using the Supplemental Assistance Program, the State's share for BNR projects was increased by an additional 25%, for a total State share of 75% (50% BNR grant, 25% Supplemental Assistance Grant).

This Program is intended to provide assistance for critical water quality projects to MDE stakeholders where costs may otherwise be unaffordable. A total of \$93.1 million has been authorized for this Program as of June 30, 2012. The Board of Public Works authorized funds totaling \$90.4 million (97%) for projects and \$83.3 million (89.4%) has been expended.

A. SUPPLEMENTAL ASSISTANCE PROJECTS FUNDED IN FY 2012

In FY 2012, the following projects totaling \$5.8 million were funded or had funds reverted:

County	Project	Amount
Allegany	Paul St./ East Mechanic St. CSO Elimination Phase VII-A	600,000
Allegany	Cumberland CSO Storage Facility	1,008,835
Allegany	Westernport Combined Sewer Overflow Elimination	(118,826)
	Philos Ave Area	
Caroline	Federalsburg Maple Ave Water/Sewer Projects	(6,232)
Carroll	New Windsor WWTP-Debt Service Payment GO Bond	2,000,000
Frederick	Emmitsburg WWTP BNR/ENR Upgrade	750,000
Talbot	Region II (St. Michaels) Sewer Collection System Imp	67,310
Worcester	Snow Hill WWTP BNR/ENR Upgrade	1,543,000
Total	,	5,844,087

Note: Reversions (negative amounts) are the result of project closeouts.

B. CURRENT SUPPLEMENTAL ASSISTANCE PROGRAM (FY 2013): JULY 1, 2012-DECEMBER 31, 2012

Through December 31, 2012, the following projects were funded through this Program:

County	Project		Amount (\$)
Allegany	Westernport CSO Replacement-Philos Ave		75,888
Caroline	Federalsburg CSO - Railroad Ave	\	1,137,500
Talbot	Martingham Utilities	× 1	(100,000)
Somerset	Smith Island WWTP Upgrade		30,000
Total			1,143,388

Note: Reversions (negative amounts) are the result of project closeouts.

C. CURRENT SUPPLEMENTAL ASSISTANCE PROGRAM (FY 2013): JANUARY 1, 2013 - JUNE 30, 2013

Additional Projects slated for action by the Board of Public Works are:

County	Project	Amount (\$)
Allegany	Evitts Creek CSO – Phase 4	350,000
Allegany	Jennings Run Sanitary Sewer Rehab – Phase II	875,000
Allegany	Westernport CSO Replacement – Westside	1,262,500
Baltimore		
City	Stony Run Sanitary Sewer Improvements, SC-898	1,500,000
Frederick	Emmitsburg WWTP BNR Upgrade	989,719
Frederick	Thurmont Wastewater System Improvements	515,000
Kent	Betterton WWTP Improvements	477,000
Somerset	Smith Island WWTP Upgrade	301,176
Wicomico	Crown Sports Center Sewer Extension	105,000
Worcester	Snow Hill WWTP BNR Upgrade	80,130
Total		6,455,525

D. FY 2014 SUPPLEMENTAL ASSISTANCE FUNDING NEEDS

The following is a list of proposed projects to be funded under the FY 2014 Program:

County	Project	Amount
Allegany	Braddock Run Sanitary District Rehab Phase II	875,000
Allegany	Cumberland CSO Improv Phase 1B (C&O Canal)	1,275,000
Allegany	Evitts Creek CSO Phase 3 – Gravity Sewer	1,225,000
Allegany	Westernport CSO Elimination (Outfall 002) & Stormwater	1,500,000
	Diversion	
Baltimore	Patapsco Sewershed Sanitary Sewer	1,500,000
City		
Caroline	North Caroline County WWTP Town of Greensboro	1,500,000
Caroline	North County Regional Wastewater Collection & Treatment	1,500,000
	System Phase 2 - Goldsboro	
Kent	Town of Betterton Wastewater Treatment Plant Imp	625,000
Total		10,000,000

E. FUTURE SUPPLEMENTAL ASSISTANCE FUNDING NEEDS

MDE requested the following for the Supplemental Assistance Program. Additional funds may be needed to meet nutrient and sediment commitments of Maryland's Chesapeake Bay TMDL allocation by 2025.

Fiscal Year	2015	2016	2017	2018
Millions of Dollars	15.0	20.0	20.0	20.0

SMALL CREEKS AND ESTUARIES RESTORATION PROGRAM

The projects funded by the Small Creeks and Estuaries Restoration Program (SCERP) are designed to correct the consequences of many years of accumulated sediment and pollution that result in water quality problems and/or habitat destruction. These projects also address the erosion and sediment pollution caused by increased rates and volumes of surface run-off resulting from urbanization. In addition to water quality impacts, wildlife and aquatic life and their habitat are also affected by erosion and sediment pollution. In some cases, public health may also be affected. This program funds projects that will achieve stabilization of channels; restoration of floodplains, wetlands, and aquatic habitat; and dredging of organic-laden sediments. The SCERP promotes bioengineering solutions, such as the re-establishment of vegetated streambanks, rather than the use of concrete channel structures. Most of the techniques employed by this program address targeted non-point sources of pollution. Improved non-point source pollution control is a critical component of restoration efforts for water quality improvements throughout the State and Chesapeake Bay.

As of June 30, 2012, \$18 million including \$1 million in PAYGO funds has been authorized for SCERP, \$18 million (100%) has been encumbered for projects, and \$16.5 million (91.3%) has been expended.

This Program is being phased out. These types of projects will be funded under the Chesapeake and Atlantic Coastal Bays 2010 Trust Fund.

A. SCERP PROJECTS FUNDED IN FY 2012

In FY 2012, two projects were funded and one project was completed and closed out.

County	Project	Amount (\$)
Anne Arundel	North Cypress Branch Stream Restoration	171,345
Howard	Brampton Hills Stream Rest	(238,400)
Montgomery	Booze Creek Stream Restoration Phase I	130,000
Total		62,945

B. SCERP CURRENT PROGRAM (FY 2013): JULY 1, 2012 - DECEMBER 31, 2012

All appropriated funds have been encumbered. The Department does not anticipate any Board of Public Works action during this period.

C. SCERP CURRENT PROGRAM (FY 2013): JANUARY 1, 2013 - JUNE 30, 2013

All appropriated funds have been encumbered. The Department does not anticipate any Board of Public Works action during this period.

D. SCERP FY 2014 FUNDING NEEDS

For FY 2014, MDE has requested \$0.

E. FUTURE SCERP FUNDING NEEDS

MDE has not requested funds for the Small Creeks and Estuaries Restoration Program. The Department is focusing its efforts on implementation of the Chesapeake and Atlantic Coastal Bays Nonpoint Source Fund which is funded through the Chesapeake and Atlantic Coastal Bays 2010 Trust Fund.

STORMWATER POLLUTION CONTROL COST-SHARE PROGRAM

The Maryland Stormwater Pollution Control Cost-Share Program provides financial assistance to local governments for the implementation of stormwater management retrofit and conversion projects as a means of controlling the load of nutrients and pollutants entering the State's waterways from older, existing developed areas. This Program, which has been in existence since 1984, provides the financial impetus for local governments to voluntarily install stormwater best management practices to reduce stormwater runoff and pollution.

The Stormwater Pollution Control Cost-Share Program actively promotes and supports projects in priority watersheds. These watersheds include those that the State has targeted through Maryland's Targeted Watershed Program of Maryland's Section 319 Non-point Source Nutrient Control Priority Watershed List, or those that the local jurisdictions have identified as priority watersheds. The Program provides grants up to 75% of the costs for project design and construction, with a maximum of \$500,000 per project.

Funds are targeted to achieve non-point source pollutant reductions in existing urban and suburban areas around the State most impacted by land development and human activity. The benefits include reduced nutrients, sediments, heavy metals, oils and greases in the stormwater discharges. Also, these stormwater facilities control the rate and volume of rainfall released. This, in turn, decreases stream bank erosion and reduces the delivery of sediment to the Chesapeake Bay.

Maryland is increasing its focus on urban runoff pollution controls through the Chesapeake and Atlantic Coastal Bays 2010 Trust Fund, in support of the 2000 Chesapeake Bay Agreement and the 2013 Milestones for Reducing Nitrogen and Phosphorus. Urban stormwater retrofits and conversions support the goals of the Tributary Strategies, and assist local governments in meeting the requirements of the Clean Water Act to control nonpoint sources of pollution.

As of June 30, 2012, a total of \$24.6 million has been authorized for this Program. Of this, \$24.6 million (100%) has been encumbered and \$23.4 million (95%) has been expended.

This Program is being phased out. These types of projects will be funded under the Chesapeake and Atlantic Coastal Bays 2010 Trust Fund

A. STORMWATER PROJECTS FUNDED IN FY 2012

In FY 2012, the following projects were funded or had funds reverted through this Program:

County	Project	Amount (\$)
Anne Arundel	Peach Orchard Stormwater Management Retrofit	90,455
Howard	Waverly Woods SWM Retrofit	(15,838)
Prince George's	Beaverdam Creek Site 104	(32)
Total		74,585

Note: Reversions (negative amounts) are the result of project closeouts.

B. CURRENT PROGRAM (FY 2013): JULY 1, 2012 – DECEMBER 31, 2012

All appropriated funds have been encumbered. The Department does not anticipate any Board of Public Works action during this period.

C. CURRENT STORMWATER PROGRAM (FY 2013): JANUARY 1, 2013 – JUNE 30, 2013

All appropriated funds have been encumbered. The Department does not anticipate any Board of Public Works action during this period.

D. FY 2014 STORMWATER FUNDING NEEDS

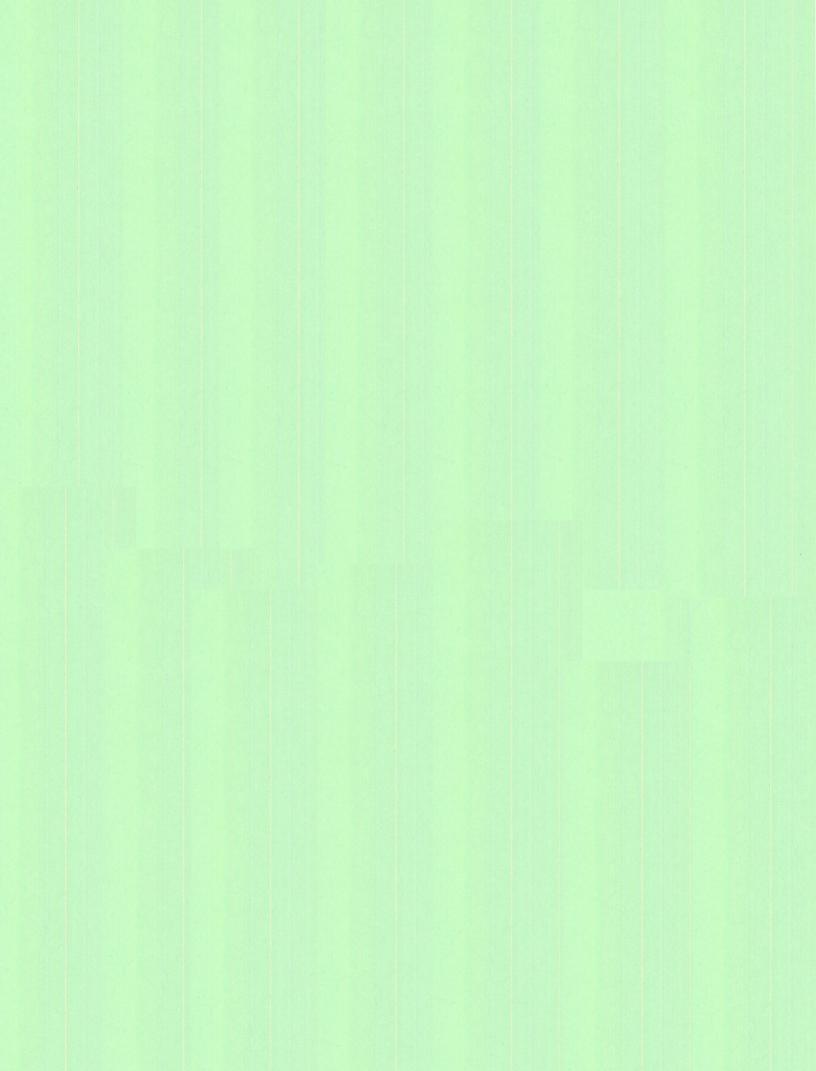
For FY 2014, MDE has requested \$0.

E. FUTURE STORMWATER FUNDING NEEDS

MDE has not requested funds for the Stormwater Pollution Control Program. The Department is focusing its efforts on implementation of the Chesapeake and Atlantic Coastal Bays Nonpoint Source Fund which is funded by the Chesapeake and Atlantic Coastal Bays 2010 Trust Fund.

SECTION III

SUMMARY REPORTS OF THE WATER POLLUTION CONTROL FUND



MARYLAND DEPARTMENT OF THE ENVIRONMENT FISCAL STATUS BY PROGRAM FISCAL YEAR 2012

	PROGRAM	FUND TYPE	APPN NO	BOND YEAR	FISCAL YEAR	APPN AMOUNT	ENCUMBERED	EXPENDITURE	ENCUMBERED BALANCE	UNENCUM BAL
BNR		Chesapeake Bay Water Quality Loan	4190184	1984	1985	\$3,000,000.00	\$3,000,000.00	\$3,000,000.00	\$0.00	\$0.00
BNR		Chesapeake Bay Water Quality Loan	4190484	1984	1985	\$437,000.00	\$437,000.00	\$437,000.00	\$0.00	\$0.00
BNR		Chesapeake Bay Water Quality Loan	4750485	1985	1986	\$1,500,000.00	\$1,500,000.00	\$1,500,000.00	\$0.00	\$0.00
BNR		Chesapeake Bay Water Quality Loan	5590286	1986	1987	\$5,000,000.00	\$5,000,000.00	\$5,000,000.00	\$0.00	\$0.00
BNR		Chesapeake Bay Water Quality Loan	5960287	1987	1988	\$10,000,000.00	\$10,000,000.00	\$10,000,000.00	\$0.00	\$0.00
BNR		Chesapeake Bay Water Quality Loan	6570188	1988	1989	\$3,100,000.00	\$3,100,000.00	\$3,100,000.00	\$0.00	\$0.00
BNR		Chesapeake Bay Water Quality Loan	7120289	1989	1990	\$8,225,000.00	\$8,225,000.00	\$8,225,000.00	\$0.00	\$0.00
BNR		PAYGO-Nutrients	8904289	1989	1989	\$1,905,000.00	\$1,905,000.00	\$1,905,000.00	\$0.00	\$0.00
BNR		Maryland Consolidated Capital Bond Loan	7770790	1990	1991	\$4,900,000.00	\$4,900,000.00	\$4,900,000.00	\$0.00	\$0.00
BNR		Maryland Consolidated Capital Bond Loan	8541691	1991	1992	\$4,645,000.00	\$4,645,000.00	\$4,645,000.00	\$0.00	\$0.00
BNR		Maryland Consolidated Capital Bond Loan	9121392	1992	1994	\$1,055,000.00	\$1,055,000.00	\$1,055,000.00	\$0.00	\$0.00
BNR		Maryland Consolidated Capital Bond Loan	9121492	1992	1993	\$5,460,000.00	\$5,460,000.00	\$5,460,000.00	\$0.00	\$0.00
BNR		Maryland Consolidated Capital Bond Loan	9131793	1993	1994	\$9,000,000.00	\$9,000,000.00	\$9,000,000.00	\$0.00	\$0.00
BNR		Maryland Consolidated Capital Bond Loan	9141394	1994	1995	\$8,000,000.00	\$8,000,000.00	\$8,000,000.00	\$0.00	\$0.00
BNR		Maryland Consolidated Capital Bond Loan	9152095	1995	1996	\$10,000,000.00	\$10,000,000.00	\$10,000,000.00	\$0.00	\$0.00
BNR		Maryland Consolidated Capital Bond Loan	9162896	1996	1997	\$10,055,000.00	\$10,055,000.00	\$10,055,000.00	\$0.00	\$0.00
BNR		Maryland Consolidated Capital Bond Loan	9705997	1997	1998	\$11,134,028.89	\$11,134,028.89	\$11,134,028.89	\$0.00	\$0.00
BNR		PAYGO-BNR	A710697	1997	1997	\$6,929,474.00	\$6,929,474.00	\$6,929,474.00	\$0.00	\$0.00
BNR		Maryland Consolidated Capital Bond Loan	9800298	1998	1999	\$13,513,464.60	\$13,513,464.60	\$13,513,464.60	\$0.00	\$0.00
BNR		Maryland Consolidated Capital Bond Loan	9909799	1999	2000	\$11,707,433.14	\$11,707,433.14	\$11,707,433.14	\$0.00	\$0.00
BNR		PAYGO - BNR (Pittsville)	A910699	1999	1999	\$28,769.00	\$28,769.00	\$28,769.00	\$0.00	\$0.00
BNR		Maryland Consolidated Capital Bond Loan	0010300	2000	2001	\$13,698,775.91	\$13,698,775.91	\$13,652,033.91	\$46,742.00	\$0.00
BNR		Maryland Consolidated Capital Bond Loan	0119101	2001	2002	\$12,549,997.93	\$12,549,997.93	\$12,549,997.93	\$0.00	\$0.00
BNR	ž.	Maryland Consolidated Capital Bond Loan	0221902	2002	2003	\$17,831,999.12	\$17,831,999.12	\$17,648,902.12	\$183,097.00	\$0.00
BNR		PAYGO	A210602	2002	2002	\$2,058,222.00	\$2,058,222.00	\$2,058,222.00	\$0.00	\$0.00
BNR		Maryland Consolidated Capital Bond Loan	0311903	2003	2004	\$11,499,999.56	\$11,499,999.56	\$11,499,999.56	\$0.00	\$0.00
BNR		Maryland Consolidated Capital Bond Loan	0407804	2004	2005	\$16,999,999.01	\$16,999,999.01	\$16,999,999.01	\$0.00	\$0.00
BNR		Maryland Consolidated Capital Bond Loan	0510205	2005	2006	\$14,999,999.91	\$14,999,999.91	\$14,999,999.91	\$0.00	\$0.00
BNR	20	Maryland Consolidated Capital Bond Loan	0606006	2006	2007	\$15,788,000.00	\$15,788,000.00	\$15,788,000.00	\$0.00	\$0.00
BNR		Paygo	A010607	2006	2007	\$2,212,000.00	\$2,212,000.00	\$2,212,000.00	\$0.00	\$0.00
BNR		Maryland Consolidated Capital Bond Loan	0708307	2007	2008	\$7,873,999.35	\$7,873,999.35	\$7,513,999.35	\$360,000.00	\$0.00
BNR		Maryland Consolidated Capital Bond Loan	0805408	2008	2009	\$18,448,000.00	\$18,448,000.00	\$11,192,145.71	\$7,255,854.29	\$0.00
BNR		Maryland Consolidated Capital Bond Loan	0907209	2009	2010	\$16,000,000.00	\$16,000,000.00	\$1,609,796.00	\$14,390,204.00	\$0.00
BNR		Maryland Consolidated Capital Bond Loan	1006610	2010	2011	\$33,300,000.00	\$33,300,000.00	\$1,021,205.00	\$32,278,795.00	\$0.00
BNR		Maryland Consolidated Capital Bond Loan	1106311	2011	2012	\$30,900,000.00	\$30,138,553.00	\$0.00	\$30,138,553.00	\$761,447.00
BNR						\$343,756,162.42	\$342,994,715.42	\$258,341,470.13	\$84,653,245.29	\$761,447.00

MARYLAND DEPARTMENT OF THE ENVIRONMENT FISCAL STATUS BY PROGRAM FISCAL YEAR 2012

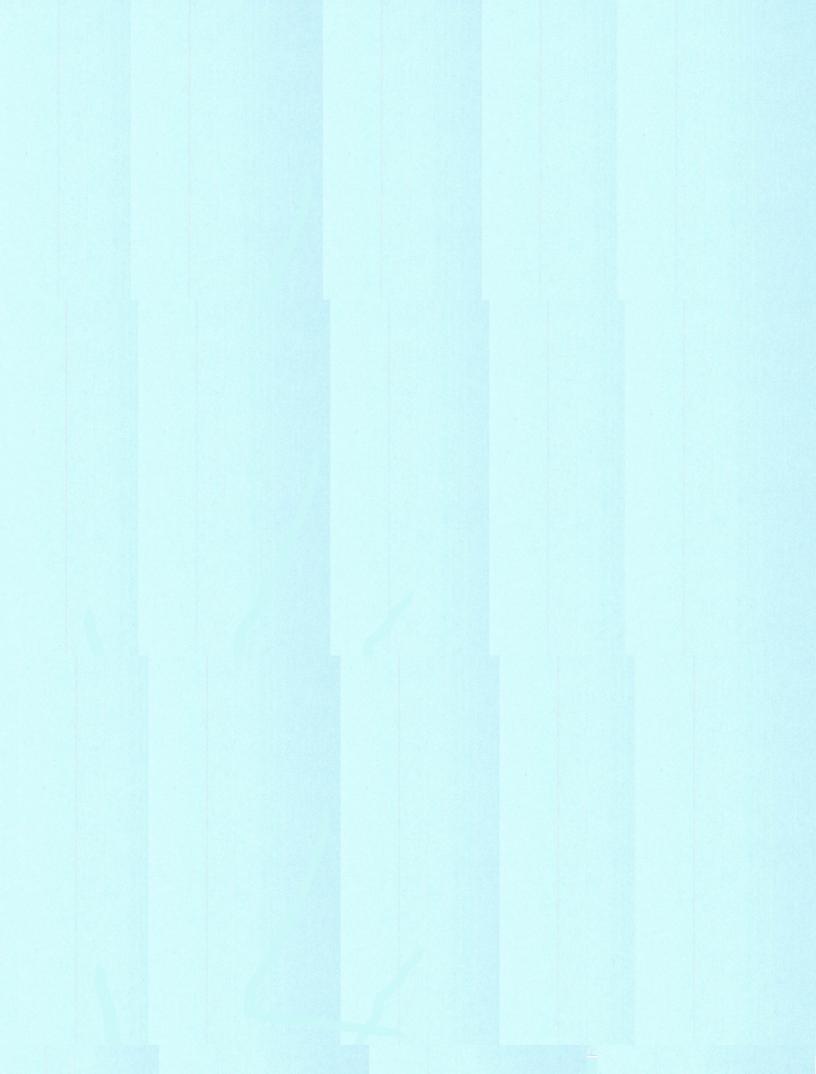
PROGRAM	FUND TYPE	APPN NO	BOND YEAR	FISCAL YEAR	APPN AMOUNT	ENCUMBERED	EXPENDITURE	ENCUMBERED BALANCE	UNENCUM BAL
Supplemental Assistance	Water Quality Loan	3690283	1983	1984	\$1,000,000.00	\$1,000,000.00	\$1,000,000.00	\$0.00	\$0.00
Supplemental Assistance	Chesapeake Bay Water Quality Loan	4750385	1985	1986	\$1,000,000.00	\$1,000,000.00	\$1,000,000.00	\$0.00	\$0.00
Supplemental Assistance	Chesapeake Bay Water Quality Loan	5960487	1987	1988	\$400,000.00	\$400,000.00	\$400,000.00	\$0.00	\$0.00
Supplemental Assistance	Chesapeake Bay Water Quality Loan	6570488	1988	1989	\$500,000.00	\$500,000.00	\$500,000.00	\$0.00	\$0.00
Supplemental Assistance	PAYGO-Construction	8904189	1988	1988	\$1,105,000.00	\$1,105,000.00	\$1,105,000.00	\$0.00	\$0.00
Supplemental Assistance	Chesapeake Bay Water Quality Loan	7120389	1989	1990	\$3,500,000.00	\$3,500,000.00	\$3,500,000.00	\$0.00	\$0.00
Supplemental Assistance	Maryland Consolidated Capital Bond Loan	7771190	1990	1991	\$555,000.00	\$555,000.00	\$555,000.00	\$0.00	\$0.00
Supplemental Assistance	Maryland Consolidated Capital Bond Loan	7771290	1990	1991	\$4,350,000.00	\$4,350,000.00	\$4,350,000.00	\$0.00	\$0.00
Supplemental Assistance	PAYGO-Septic System Restoration	9009590	1990	1990	\$250,000.00	\$250,000.00	\$250,000.00	\$0.00	\$0.00
Supplemental Assistance	Maryland Consolidated Capital Bond Loan	8541991	1991	1992	\$4,917,000.00	\$4,917,000.00	\$4,917,000.00	\$0.00	\$0.00
Supplemental Assistance	Maryland Consolidated Capital Bond Loan	9121592	1992	1993	\$2,795,000.00	\$2,795,000.00	\$2,795,000.00	\$0.00	\$0.00
Supplemental Assistance	Maryland Consolidated Capital Bond Loan	9131893	1993	1994	\$2,000,000.00	\$2,000,000.00	\$2,000,000.00	\$0.00	\$0.00
Supplemental Assistance	Maryland Consolidated Capital Bond Loan	9141494	1994	1995	\$2,000,000.00	\$2,000,000.00	\$2,000,000.00	\$0.00	\$0.00
Supplemental Assistance	Maryland Consolidated Capital Bond Loan	9152195	1995	1996	\$2,000,000.00	\$2,000,000.00	\$2,000,000.00	\$0.00	\$0.00
Supplemental Assistance	Maryland Consolidated Capital Bond Loan	9162996	1996	1997	\$2,000,000.00	\$2,000,000.00	\$2,000,000.00	\$0.00	\$0.00
Supplemental Assistance	Maryland Consolidated Capital Bond Loan	9706097	1997	1998	\$2,000,000.00	\$2,000,000.00	\$2,000,000.00	\$0.00	\$0.00
Supplemental Assistance	Maryland Consolidated Capital Bond Loan	9800398	1998	1999	\$2,000,000.00	\$2,000,000.00	\$2,000,000.00	\$0.00	\$0.00
Supplemental Assistance	Maryland Consolidated Capital Bond Loan	9909899	1999	2000	\$2,608,000.00	\$2,608,000.00	\$2,608,000.00	\$0.00	\$0.00
Supplemental Assistance	PAYGO-Cumberland	0004100	2000	2000	\$500,000.00	\$500,000.00	\$500,000.00	\$0.00	\$0.00
Supplemental Assistance	Maryland Consolidated Capital Bond Loan	0010400	2000	2001	\$2,404,885.00	\$2,404,885.00	\$2,404,885.00	\$0.00	\$0.00
Supplemental Assistance	PAYGO - Hurricane Floyd	0112601	2001	2001	\$2,782,373.78	\$2,782,373.78	\$2,782,373.78	\$0.00	\$0.00
Supplemental Assistance	Maryland Consolidated Capital Bond Loan	0119201	2001	2002	\$2,661,000.00	\$2,661,000.00	\$2,661,000.00	\$0.00	\$0.00
Supplemental Assistance	Maryland Consolidated Capital Bond Loan	0222002	2002	2003	\$4,765,999.99	\$4,765,999.99	\$4,765,999.99	\$0.00	\$0.00
Supplemental Assistance	Maryland Consolidated Capital Bond Loan	0312003	2003	2004	\$4,999,999.42	\$4,999,999.42	\$4,999,999.42	\$0.00	\$0.00
Supplemental Assistance	Maryland Consolidated Capital Bond Loan	0407904	2004	2005	\$4,999,999.17	\$4,999,999.17	\$4,999,999.17	\$0.00	\$0.00
Supplemental Assistance	Maryland Consolidated Capital Bond Loan	0510305	2005	2006	\$4,000,000.00	\$4,000,000.00	\$3,908,449.00	\$91,551.00	\$0.00
Supplemental Assistance	Maryland Consolidated Capital Bond Loan	0606106	2006	2007	\$5,000,000.00	\$5,000,000.00	\$4,929,788.00	\$70,212.00	\$0.00
Supplemental Assistance	MCCBL - Willards WWTP	0627806	2006	2007	\$1,000,000.00	\$1,000,000.00	\$1,000,000.00	\$0.00	\$0.00
Supplemental Assistance	Maryland Consolidated Capital Bond Loan	0708407	2007	2008	\$5,000,000.00	\$5,000,000.00	\$4,900,000.00	\$100,000.00	\$0.00
Supplemental Assistance	Maryland Consolidated Capital Bond Loan	0805508	2008	2009	\$5,000,000.00	\$5,000,000.00	\$3,595,051.16	\$1,404,948.84	\$0.00
Supplemental Assistance	Maryland Consolidated Capital Bond Loan	0907309	2009	2010	\$5,000,000.00	\$5,000,000.00	\$3,984,672.07	\$1,015,327.93	\$0.00
Supplemental Assistance	Maryland Consolidated Capital Bond Loan	1006710	2010	2011	\$5,000,000.00	\$4,881,174.00	\$2,762,566.00	\$2,118,608.00	\$118,826.00
Supplemental Assistance	Maryland Consolidated Capital Bond Loan	1106411	2011	2012	\$5,000,000.00	\$2,419,913.00	\$82,675.00	\$2,337,238.00	\$2,580,087.00
Supplemental Assistance					\$93,094,257.36	\$90,395,344.36	\$83,257,458.59	\$7,137,885.77	\$2,698,913.00

MARYLAND DEPARTMENT OF THE ENVIRONMENT FISCAL STATUS BY PROGRAM FISCAL YEAR 2012

PROGRAM	FUND TYPE	APPN NO	BOND YEAR	FISCAL YEAR	<u>APPN</u> AMOUNT	ENCUMBERED	EXPENDITURE	ENCUMBERED BALANCE	UNENCUM BAL
Small Creeks	Maryland Consolidated Capital Bond Loan	7771090	1990	1991	\$1,000,000.00	\$1,000,000.00	\$1,000,000.00	\$0.00	\$0.00
Small Creeks	PAYGO	9009690	1990	1990	\$1,000,000.00	\$1,000,000.00	\$1,000,000.00	\$0.00	\$0.00
Small Creeks	Maryland Consolidated Capital Bond Loan	8541891	1991	1992	\$800,000.00	\$800,000.00	\$800,000.00	\$0.00	\$0.00
Small Creeks	Maryland Consolidated Capital Bond Loan	9121692	1992	1993	\$1,000,000.00	\$1,000,000.00	\$1,000,000.00	\$0.00	\$0.00
Small Creeks	Maryland Consolidated Capital Bond Loan	9131993	1993	1994	\$1,098,254.00	\$1,098,254.00	\$1,098,254.00	\$0.00	\$0.00
Small Creeks	Maryland Consolidated Capital Bond Loan	9141594	1994	1995	\$1,000,000.00	\$1,000,000.00	\$1,000,000.00	\$0.00	\$0.00
Small Creeks	Maryland Consolidated Capital Bond Loan	9152295	1995	1996	\$1,250,000.00	\$1,250,000.00	\$1,250,000.00	\$0.00	\$0.00
Small Creeks	Maryland Consolidated Capital Bond Loan	9163096	1996	1997	\$1,309,910.00	\$1,309,910.00	\$1,309,910.00	\$0.00	\$0.00
Small Creeks	Maryland Consolidated Capital Bond Loan	9706197	1997	1998	\$1,376,999.67	\$1,376,999.67	\$1,376,999.67	\$0.00	\$0.00
Small Creeks	Maryland Consolidated Capital Bond Loan	9800498	1998	1999	\$674,000.00	\$674,000.00	\$674,000.00	\$0.00	\$0.00
Small Creeks	Maryland Consolidated Capital Bond Loan	9909999	1999	2000	\$996,394.88	\$996,394.88	\$996,394.88	\$0.00	\$0.00
Small Creeks	Maryland Consolidated Capital Bond Loan	0010500	2000	2001	\$725,036.00	\$725,036.00	\$725,036.00	\$0.00	\$0.00
Small Creeks	Maryland Consolidated Capital Bond Loan	0119301	2001	2002	\$793,000.00	\$793,000.00	\$793,000.00	\$0.00	\$0.00
Small Creeks	Maryland Consolidated Capital Bond Loan	0222102	2002	2003	\$450,000.00	\$450,000.00	\$450,000.00	\$0.00	\$0.00
Small Creeks	Maryland Consolidated Capital Bond Loan	0312103	2003	2004	\$500,000.00	\$500,000.00	\$282,391.85	\$217,608.15	\$0.00
Small Creeks	Maryland Consolidated Capital Bond Loan	0408004	2004	2005	\$500,000.00	\$500,000.00	\$485,000.00	\$15,000.00	\$0.00
Small Creeks	Maryland Consolidated Capital Bond Loan	0510405	2005	2006	\$450,000.00	\$450,000.00	\$419,173.00	\$30,827.00	\$0.00
Small Creeks	Maryland Consolidated Capital Bond Loan	0606206	2006	2007	\$1,000,000.00	\$1,000,000.00	\$1,000,000.00	\$0.00	\$0.00
Small Creeks	Maryland Consolidated Capital Bond Loan	0708507	2007	2008	\$499,999.12	\$499,999.12	\$40,411.12	\$459,588.00	\$0.00
Small Creeks	Maryland Consolidated Capital Bond Loan	0805608	2008	2009	\$648,000.00	\$648,000.00	\$634,966.00	\$13,034.00	\$0.00
Small Creeks	Maryland Consolidated Capital Bond Loan	0907409	2009	2010	\$969,000.00	\$968,639.00	\$134,679.00	\$833,960.00	\$361.00
Small Creeks	•				\$18,040,593.67	\$18,040,232.67	\$16,470,215.52	\$1,570,017.15	\$361.00

MARYLAND DEPARTMENT OF THE ENVIRONMENT FISCAL STATUS BY PROGRAM FISCAL YEAR 2012

PROGRAM	FUND TYPE	APPN NO	BOND	FISCAL	APPN	ENCUMBERED	EXPENDITURE	ENCUMBERED	UNENCUM
			YEAR	YEAR	AMOUNT			BALANCE	BAL
Stormwater	Chesapeake Bay Water Quality Loan	4190384	1984	1985	\$1,000,000.00	\$1,000,000.00	\$1,000,000.00	\$0.00	\$0.00
Stormwater	Chesapeake Bay Water Quality Loan	5590486	1986	1987	\$1,000,000.00	\$1,000,000.00	\$1,000,000.00	\$0.00	\$0.00
Stormwater	Chesapeake Bay Water Quality Loan	6570388	1988	1989	\$500,000.00	\$500,000.00	\$500,000.00	\$0.00	\$0.00
Stormwater	Maryland Consolidated Capital Bond Loan	7770990	1990	1991	\$1,000,000.00	\$1,000,000.00	\$1,000,000.00	\$0.00	\$0.00
Stormwater	PAYGO	9009890	1990	1990	\$2,275,000.00	\$2,275,000.00	\$2,275,000.00	\$0.00	\$0.00
Stormwater	Maryland Consolidated Capital Bond Loan	8541791	1991	1992	\$2,550,000.00	\$2,550,000.00	\$2,550,000.00	\$0.00	\$0.00
Stormwater	Maryland Consolidated Capital Bond Loan	9121792	1992	1993	\$1,800,000.00	\$1,800,000.00	\$1,800,000.00	\$0.00	\$0.00
Stormwater	Maryland Consolidated Capital Bond Loan	9132193	1993	1994	\$1,000,000.00	\$1,000,000.00	\$1,000,000.00	\$0.00	\$0.00
Stormwater	Maryland Consolidated Capital Bond Loan	9141794	1994	1995	\$1,000,000.00	\$1,000,000.00	\$1,000,000.00	\$0.00	\$0.00
Stormwater	Maryland Consolidated Capital Bond Loan	9163196	1996	1997	\$1,512,962.57	\$1,512,962.57	\$1,512,962.57	\$0.00	\$0.00
Stormwater	Maryland Consolidated Capital Bond Loan	9706297	1997	1998	\$1,430,591.00	\$1,430,591.00	\$1,430,591.00	\$0.00	\$0.00
Stormwater	Maryland Consolidated Capital Bond Loan	9800598	1998	1999	\$1,014,626.50	\$1,014,626.50	\$1,014,626.50	\$0.00	\$0.00
Stormwater	Maryland Consolidated Capital Bond Loan	9910099	1999	2000	\$1,245,000.00	\$1,245,000.00	\$1,245,000.00	\$0.00	\$0.00
Stormwater	Maryland Consolidated Capital Bond Loan	0010600	2000	2001	\$1,242,026.00	\$1,242,026.00	\$1,242,026.00	\$0.00	\$0.00
Stormwater	Maryland Consolidated Capital Bond Loan	0119401	2001	2002	\$1,250,000.00	\$1,250,000.00	\$1,250,000.00	\$0.00	\$0.00
Stormwater	PAYGO - Hurricane Floyd	W112601	2001	2001	\$21,342.00	\$21,342.00	\$21,342.00	\$0.00	\$0.00
Stormwater	Maryland Consolidated Capital Bond Loan	0222202	2002	2003	\$500,000.00	\$500,000.00	\$500,000.00	\$0.00	\$0.00
Stormwater	Maryland Consolidated Capital Bond Loan	0312203	2003	2004	\$500,000.00	\$500,000.00	\$500,000.00	\$0.00	\$0.00
Stormwater	Maryland Consolidated Capital Bond Loan	0408104	2004	2005	\$499,967.38	\$499,967.38	\$499,967.38	\$0.00	\$0.00
Stormwater	Maryland Consolidated Capital Bond Loan	0510505	2005	2006	\$711,000.00	\$711,000.00	\$632,995.00	\$78,005.00	\$0.00
Stormwater	Maryland Consolidated Capital Bond Loan	0606306	2006	2007	\$450,000.00	\$450,000.00	\$450,000.00	\$0.00	\$0.00
Stormwater	Maryland Consolidated Capital Bond Loan	0708607	2007	2008	\$750,000.00	\$750,000.00	\$339,965.00	\$410,035.00	\$0.00
Stormwater	Maryland Consolidated Capital Bond Loan	0805708	2008	2009	\$838,000.00	\$838,000.00	\$618,161.00	\$219,839.00	\$0.00
Stormwater	Maryland Consolidatd Capital Bond Loan	0907509	2009	2010	\$531,000.00	\$531,000.00	\$18,550.00	\$512,450.00	\$0.00
Stormwater					\$24,621,515.45	\$24,621,515.45	\$23,401,186.45	\$1,220,329.00	\$0.00



MARYLAND DEPARTMENT OF THE ENVIRONMENT FISCAL STATUS BY GRANTEE FISCAL YEAR 2012

		DDW	
COUNTY ALLEGANY ALLEGANY ALLEGANY ALLEGANY ALLEGANY	SUBDIVISION ALLEGANY COUNTY CITY OF CUMBERLAND CITY OF FROSTBURG LAVALE SANITARY COMMISSION TOWN OF WESTERNPORT	BPW AWARD/REVERSION AMOUNT 0.00 1,008,835.00 600,000.00 0.00 (118,826.00)	PAYMENT AMOUNT 37,606.00 637,987.00 288,607.00 668,788.00 211,697.00
ANNE ARUNDEL	ANNE ARUNDEL COUNTY	261,800.00	0.00
BALTIMORE CITY	CITY OF BALTIMORE	21,716,687.00	8,222,473.00
CAROLINE	TOWN OF FEDERALSBURG	(266,232.65)	0.00
CARROLL	TOWN OF NEW WINDSOR	2,000,000.00	323,050.00
CECIL	TOWN OF PERRYVILLE	(93,738.00)	0.00
CHARLES	CHARLES COUNTY	0.00	108,449.00
DORCHESTER	CITY OF CAMBRIDGE	0.00	2,118,338.00
FREDERICK FREDERICK	TOWN OF EMMITSBURG TOWN OF THURMONT	3,750,000.00 0.00	508,724.00 126,448.00
HARFORD HARFORD	CITY OF HAVRE DE GRACE HARFORD COUNTY	(407,709.00) 0.00	57,634.00 43,847.00
HOWARD	HOWARD COUNTY	(254,238.00)	268,562.00
KENT	KENT COUNTY	0.00	83,143.00
MONTGOMERY	MONTGOMERY COUNTY	130,000.00	505,148.00
PRINCE GEORGES	PRINCE GEORGE'S COUNTY	(32.00)	161,697.00

STATEWIDE	MES SEWER STUDY	0.00	20,484.00
TALBOT TALBOT	EASTON UTILITIES TALBOT COUNTY SANITARY DI	0.00 67,310.00	132,537.00 67,310.00
WICOMICO	TOWN OF DELMAR	0.00	4,130.00
WICOMICO	TOWN OF PITTSVILLE	0.00	27,000.00
WORCESTER	TOWN OF SNOW HILL	4,639,629.00	3,201,781.00
WSSC	WSSC	17,000,000.00	19,488.00
		50,033,485.35	17,844,928.00