



MARYLAND'S CHESAPEAKE AND ATLANTIC COASTAL BAYS TRUST FUND

Fiscal Year 2016 Budget At a Glance

The goal of Chesapeake and Atlantic Coastal Bays Trust Fund (Trust Fund) each year is to identify projects and develop a work plan designed to maximize the Trust Fund's environmental return on investment. The Fiscal Year 2016 Trust Fund request targets \$39.4 M to accelerate State and local efforts to improve the health of the Chesapeake Bay.

Fiscal Year 2016 Trust Fund Budget

	Project Lead	FY 15 Special Fund Actual	FY 15 Capital Fund Actual	FY 16 Special Fund Appropriation	FY 16 Capital Fund Appropriation	+/-
Accountability, Verification and Management						
1. Administration and Management (1.5%)	DNR	\$552,000	-	\$591,000	-	\$39,000
2. Strategic Monitoring	DNR	\$500,000	-	\$400,000	-	(\$100,000)
3. Implementation Tracking	DoIT	\$200,000	-	\$200,000	-	-
4. Targeted Monitoring	DNR/USGS	\$200,000	-	\$300,000	-	\$100,000
Accelerating Restoration through Research and Development						
5. Manure to Energy Projects with Proven Technology	MDA	\$2,500,000	-	\$2,500,000	-	-
6. Maryland's Innovative Technology Partnership	UMD/DNR	\$1,000,000	-	\$1,000,000	-	-
Implementation of Local WIPs						
7. Capital Stormwater Infrastructure Projects	Competitive Solicitation	-	\$25,000,000	-	\$0.00	(\$25,000,000)
8. Cost-Effective Non Point Source Projects	Competitive Solicitation	\$7,248,000	-	\$9,809,000	-	\$2,561,000
Implementation of the State's WIP						
9. Maryland's Cover Crops Program	MDA	11,250,000	-	11,250,000	-	-
10. Natural Filters on Public Land	DNR	\$6,000,000	-	\$6,000,000	-	-
11. Grants to Farmers	MDA	\$2,000,000	-	\$2,000,000	-	-
12. Manure Transport	MDA	\$750,000	-	\$750,000	-	-
13. Conservation Reserve Enhancement Program Incentive	MDA	\$500,000	-	\$500,000	-	-
Implementation Technical Assistance						
14. Agricultural Technical Assistance	MDA	\$2,600,000	-	\$2,600,000	-	-
15. Stormwater Permit Expeditors	MDE	\$750,000	-	\$750,000	-	-
16. Field Restoration Specialists	DNR	\$750,000	-	\$750,000	-	-
FUND SOURCE SUB TOTAL		36,800,000	\$25,000,000	39,400,000	\$0.00	(\$22,400,000)
		\$61,800,000		\$39,400,000		

"Through the Trust Fund grants, we have been able to effectively and efficiently achieve environmental restoration projects that reduced nutrient and sediment to our receiving streams while establishing a healthy environmental habitat."

- Janis Markusic
Anne Arundel County
Department of Public Works

Lawrence J. Hogan Jr.
Governor



Maryland's
Chesapeake Coastal Service

Accountability, Verification and Management ~ \$1,491,000

- 1. **Administration and Management:** The Fiscal Year 16 Budget will provide 1.5% of the total operating allowance to DNR to provide fiscal oversight; manage grant programs including RFP development, project review, contract and project development and management; coordinate with BayStat agencies, the BayStat Scientific Advisory Panel, DBM, and DLS, and report to the General Assembly.
- 2. **Strategic Monitoring & Assessment:** The Fiscal Year 16 Budget will provide \$400,000 to DNR to develop and implement monitoring strategies, collect and analyze data for trends, provide biological monitoring in Trust Fund watersheds and comparison watersheds, and to communicate the results of the Trust Fund restoration efforts.
- 3. **Implementation Tracking:** The Fiscal Year 16 Budget will continue to provide \$200,000 to the DoIT to provide hosting, application, maintenance, and data support services for Maryland’s IMAP including the Trust Fund mapper which provides implementation information including cost, match, estimated nutrient reduction and status.
- 4. **Strategic BMP Monitoring:** The Fiscal Year FY 16 Budget will provide \$300,000 to competitively fund monitoring projects that will answer regulatory and restorative questions about best management practices for non-point source pollution in a robust, rigorous, and representative manner.

Accelerating Restoration through Research and Development ~ \$3,500,000

- 5. **Manure to Energy Projects with Proven Technology:** The Fiscal Year 16 Budget will continue to provide \$2,500,000 to MDA to support the Animal Waste Technology Fund. These funds will be used to support technologies that provide promising alternatives for utilization of excess animal wastes such as energy production. This program not only supports the sustainability of Maryland’s animal industries but will also assist with implementation of the new nutrient management regulations and accelerate water quality goals.
- 6. **Maryland’s Innovative Technology Fund:** The Fiscal Year 16 Budget will provide \$1,000,000 to the Innovative Technology Fund, established with the goal of accelerating Chesapeake Bay restoration through the development of new innovative technologies. The Innovative Technology Fund is made possible through funding from the Trust Fund, the Environmental Protection Agency’s Chesapeake Bay Implementation Grant (CBIG) and in partnership with the University of Maryland’s Industrial Partnership (MIPS) and the Mtech Ventures Program.

Implementation of Local Watershed Implementation Plans (WIPs) ~ \$9,809,000

- 7. **Cost-Effective Non-Point Source Projects:** This Fiscal Year, the Trust Fund will provide \$9,809,00 to projects that both geographically and by practice will deliver the greatest, most cost-effective and measurable non-point source pollution reduction per Trust Fund dollar. Grants are awarded on a competitive basis to projects that target and reflect the State’s diverse landscapes, challenges and sources of pollution. In addition to supporting large-scale and long-term initiatives, the State will invest in projects that will include effective and efficient techniques for reducing non point source pollution in targeted geographic areas; support new methods and partnerships to resolve specific restoration challenges, and; incorporate innovative strategies that have the potential to drive down costs and expand the effectiveness of certain restoration practices, such as wetland; buffer; floodplain restoration; and stormwater management.

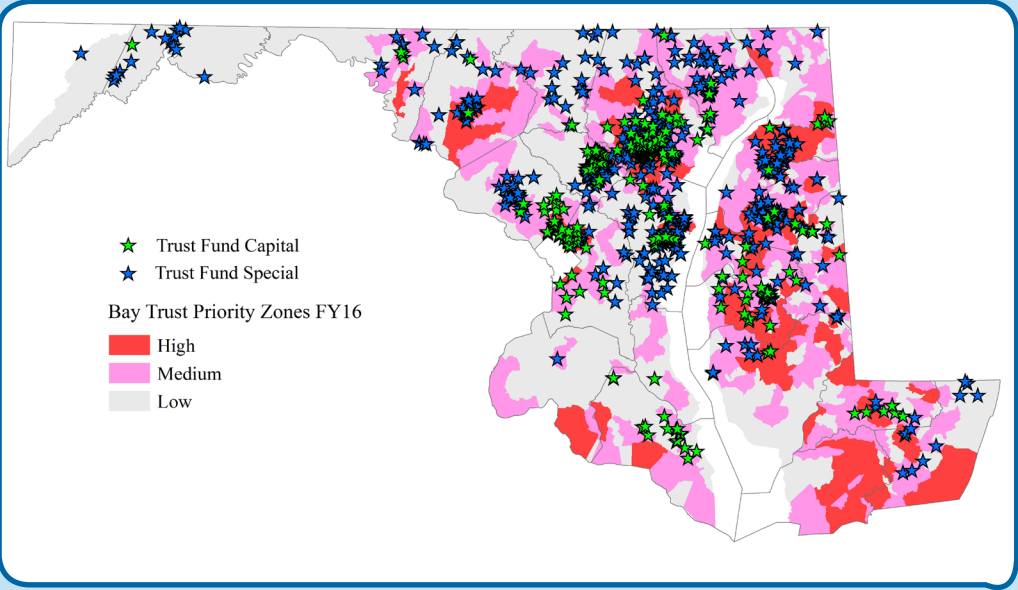
Implementation of the State’s Watershed Implementation Plan ~ \$20,500,000

- 8. **Maryland’s Cover Crops Program:** This Fiscal Year, the Trust Fund will provide \$11,250,000 to supplement Maryland’s Chesapeake Bay Restoration Fund to MDA’s Cover Crop Program. Cover crops are critical to Maryland achieving the reduction of nutrients necessary to meeting the State’s WIP.
- 9. **Natural Filters on Public Lands:** This Fiscal Year, the Trust Fund will provide \$6,000,000 for the implementation of nutrient and sediment reduction projects on State lands. Since 2011, DNR has undertaken a comprehensive effort to identify and design nutrient reduction opportunities on its own land as well as at other State owned facilities. Projects include forested buffers; reforestation; wetland restoration; stream and floodplain restoration; stormwater retrofits; and other bioremediation projects.
- 10. **Grants to Farmers (Nutrient Management Regulations):** The Fiscal Year 16 Budget will continue to provide \$2,000,000 to MDA to assist farmers with implementing the new nutrient management regulations. This funding will help offset the infrastructure costs to implement or enhance manure storage and provide incentives for improved management of manure and other sources of crop nutrients. Manure storage contains animal waste in structures to protect it from weather to reduce nutrient runoff until it can be used as a crop fertilizer when conditions minimize environmental impacts or to be transported to another location. Manure incorporation integrates animal waste into the soil at the time of application utilizing low disturbance technology.
- 11. **Manure Transport Program:** The Fiscal Year 16 Budget will provide \$750,000 to MDA to transport excess manure away from farms with high soil phosphorus levels to other farms or locations that can use the manure agronomically to minimize phosphorus runoff. Trust Fund dollars will leverage funds already provided by the poultry companies and state general funds traditionally used to support manure transport.
- 12. **Conservation Reserve Enhancement Incentive:** The Fiscal Year 16 Budget will continue to provide \$500,000 to MDA to support the Conservation Reserve Enhancement Program (CREP). BMPs targeted include grass and forest stream- side buffers, wetlands and permanent stabilization of highly erodible land. Water quality bonds provide the state’s share of funding to implement these BMPs. Trust Funds are used to provide the state \$100 per acre signing incentive for new and re-enrolled acres.

Implementation Technical Assistance ~ \$4,100,000

- 13. **Agricultural Technical Assistance:** The Fiscal Year 16 Budget will continue to provide \$2,600,000 to MDA to support agricultural technical assistance positions in the Soil Conservation Districts. In total, the Trust Fund now supports 39 SCD position needed to assist farmers in the implementation of agricultural best management practices as identified in the State’s Watershed Implementation Plan.
- 14. **Water Management Permit Expeditors:** The Fiscal Year 16 Budget will continue to provide \$750,000 to MDE to expedite state review of qualifying stormwater and wetland restoration projects and to protect the quality of the State’s ground and surface waters.
- 15. **Field Restoration Specialists:** The Fiscal Year 16 Budget will continue to provide \$750,000 to DNR to increase the level of field specialists to assist State and Local partners identify, engineer, design and provide construction and construction oversight assistance of priority Chesapeake Bay restoration projects.

Trust Fund Targeting



The Trust Fund allows Maryland to accelerate Bay restoration by focusing limited financial resources to the most cost effective locations and practices. Funds are annually targeted to specific watersheds, watershed areas, projects and practices that provide the most cost-effective water quality benefits to the Chesapeake and Coastal Bays via reductions in non-point source nutrient and sediment loadings. Using the USGS SPARROW model, the Trust Fund is able to focus projects in areas of the State that will have the greatest impact on Bay restoration.

“Evaluating these specific sources [of nutrient and sediment] and geographic areas contributing significant inputs to Chesapeake Bay allows resource managers to set priorities, allocate resources, and focus management practices where they will have the greatest impact on Bay restoration.”

John Brakebill, USGS, on the SPARROW model

To learn more about Trust Fund targeting, visit our interactive map: <http://1.usa.gov/1wh0Ub4>

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TRUST FUND

Between 2009 and 2015

Funding is generated through motor fuel
and car rental tax in Maryland



Towards TMDL



invested:

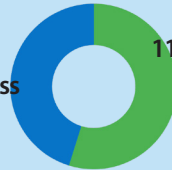
\$156M Special funds
+
\$100M Capital funds
+
\$111M in leveraged funds



engaged:

1,661 funded projects

541 in progress



planted:

198,910 acres of Cover Crops
in FY 14
780 acres of riparian forest



completed:

307 acres of wetland
restored
188,507 linear feet of stream
restored



partnered:

21 Maryland-based
companies to develop
22 new non-point
source technologies



employed:

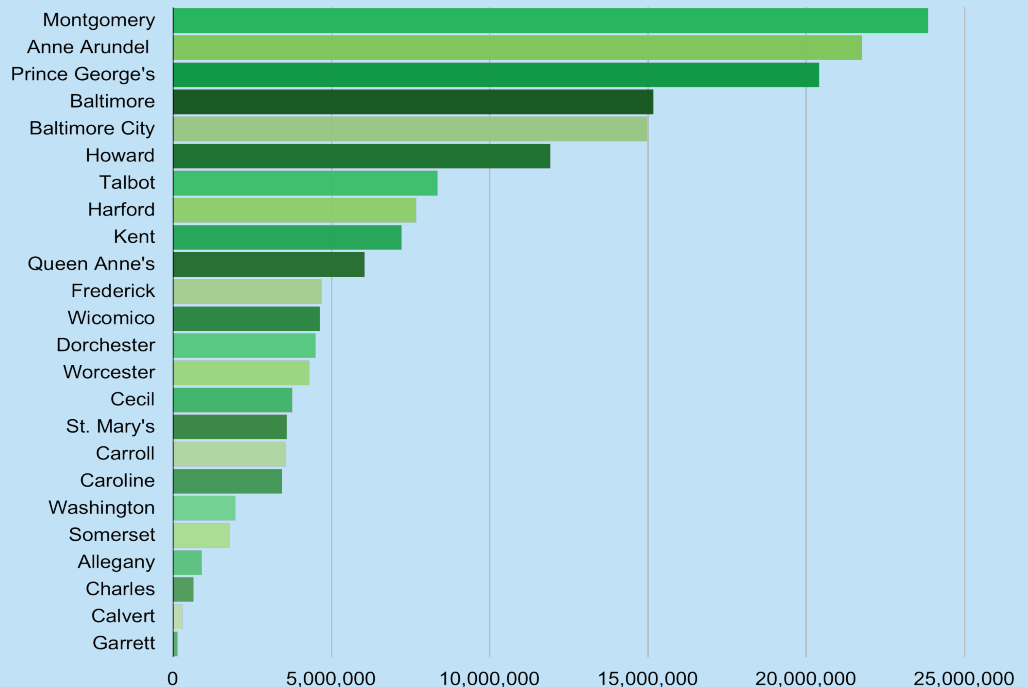
1,257 direct and indirect jobs
supported

FY09 - FY14

Investment by County:

\$175 M

Trust Fund Investments
across the watershed
including local project
implementation through
grants and cover crop
plantings from
FY09 - FY14. Includes capital
fund investments.



Track Our Progress!

The **Trust Fund Tracker** was created to allow Marylanders to track projects funded through the Chesapeake & Atlantic Coastal Bays Trust Fund. With this tool, Marylanders can:

- Search by fiscal year, county, and legislative districts
- Discover details about restoration projects and funded partners in their region
- View pictures, follow progress, and more...

http: http://dnr.maryland.gov/ccs/funding/track_our_progress.asp

