

MARYLAND ENVIRONMENTAL SERVICE (MES)

10.664 UNITED STATES DEPARTMENT OF AGRICULTURE FOREST SERVICE

Program Description: Undertake an assessment of potential wood energy systems at various locations in the state of Maryland.

FY10 (exp)	FY11 (approp)	FY12 (est)
\$ 0	\$ 100,000	\$ 0

Program Supported / Population Served: Residents of the Baltimore metropolitan area.

Governor's Goal #10 [Increase Maryland's Renewable Energy Portfolio by 20% RPS by 2022](#)

66.034 UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (\$100,000)

Program Description: Undertake an assessment of air pollution emissions technologies to reduce emissions from trucks hauling containers in and out of the Port of Baltimore (dray trucks).

FY10 (exp)	FY11 (approp)	FY12 (est)
\$ 8,370	\$ 0	\$ 0

Program Supported / Population Served: Residents of the Baltimore metropolitan area.

Governor's Goal #11 [Reduce Maryland's Statewide Greenhouse Gas Emissions by 25% by 2020](#)

66.034 UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (\$125,000) MARYLAND DEPARTMENT OF THE ENVIRONMENT (\$75,000 pass-through)

Program Description: Undertake an assessment of air pollution emissions technologies to reduce emissions from maritime vessels and cargo handling equipment serving the Port of Baltimore.

FY10 (exp)	FY11 (approp)	FY12 (est)
\$ 80,741	\$ 708	\$ 0

Program Supported / Population Served: Residents of the Baltimore metropolitan area.

Governor's Goal #11 [Reduce Maryland's Statewide Greenhouse Gas Emissions by 25% by 2020](#)

66.039 UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (\$361,107)

Program Description: Install diesel particulate filters (DPFs) on 16 pieces of off-road diesel equipment MES operates at dredged containment material facilities (DMCF) at Cox Creek, Hart Miller Island, and Poplar Island, the MidShore landfill in Talbot County, MD, and the Western Branch Composting Facility in Prince George's County, MD.

FY10 (exp)	FY11 (approp)	FY12 (est)
\$ 130,691	\$ 0	\$ 0

Program Supported / Population Served: Residents of the Baltimore metropolitan area.

Governor's Goal #11 [Reduce Maryland's Statewide Greenhouse Gas Emissions by 25% by 2020](#)

66.039 UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (\$3,500,000) - (ARRA) RECOVERY ACT

Program Description: Installation of EPA-certified clean diesel technologies on diesel-powered vehicles and equipment operating at the Port of Baltimore, consisting of 83 units of cargo handling equipment, 50 short haul dray trucks, 7 locomotives, and 2 tugboats.

<i>FY10 (exp)</i>	<i>FY11 (approp)</i>	<i>FY12 (est)</i>
<i>\$ 366,000</i>	<i>\$ 1,567,000</i>	<i>\$ 1,567,000</i>

Program Supported / Population Served: Residents of the Baltimore metropolitan area.

Governor's Goal #1 [Create, Save or Place Residents into 250,000 Jobs Maryland by End 2012](#) and # 11 [Reduce Maryland's Statewide Greenhouse Gas Emissions by 25% by 2020](#)

66.808 UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (\$20,866)

Program Description: Expand the recycling programs at Baltimore-Washington International Thurgood Marshall Airport and Martin State Airport through various initiatives to increase the recycling rate at these airports from approximately 28 percent to 35 percent.

FY10 (exp)	FY11 (approp)	FY12 (est)
\$ 425	\$ 10,000	\$ 7,166

Program Supported / Population Served: Users of Baltimore-Washington International Thurgood Marshall Airport and Martin State Airport.

Governor's Goal #11 [Reduce Maryland's Statewide Greenhouse Gas Emissions by 25% by 2020](#)

FOUNDATION GRANT: CHESAPEAKE BAY TRUST (\$22,000)

Program Description: Create and deploy approximately 150 reef balls to help offset the degradation and loss of natural reefs in the Chesapeake Bay due to sedimentation and loss of the native oyster population as a reef builder in the Bay.

FY10 (exp)	FY11 (approp)	FY12 (est)
\$ 0	\$ 1,291	\$ 0

Program Supported / Population Served: Users of the Chesapeake Bay.

Governor's Goal #7 [Restore the Health of the Chesapeake Bay by 2020](#)

**UNIVERSITY OF MARYLAND CENTER FOR ENVIRONMENTAL SCIENCE
(\$1,177,500 pass-through)**

Program Description: Outfitting of a commercial marine barge to function as a mobile test platform for the purpose of monitoring and testing ballast water in the Chesapeake Bay. A portion of the project will be funded by the University of Maryland Center for Environmental Science from funds administered under a Cooperative Agreement from the US Department of Transportation Maritime Administration in support for the evaluation and verification of ballast water treatment technologies and other green shipping initiatives. Specific work to be funded includes completion of the design, procurement, construction and delivery of the mobile test platform.

FY10 (exp)	FY11 (approp)	FY12 (est)
\$ 0	\$ 1,100,000	\$ 77,500

Program Supported / Population Served: Users of the Chesapeake Bay

Governor's Goal #7 [Restore the Health of the Chesapeake Bay by 2020](#)

66.468 MARYLAND DEPARTMENT OF THE ENVIRONMENT (\$2,810,000 pass-through)

Program Description: Upgrade and expansion of the water treatment facility located at Eastern Correctional Institution (ECI), Somerset County. Total project cost of \$4,108,893 will be shared between ARRA grant funds and State of Maryland bonds.

FY10 (exp)	FY11 (approp)	FY12 (est)
\$ 188,255	\$ 2,000,000	\$ 621,745

Program Supported / Population Served: Customers of Somerset County Sanitary District.

Governor's Goal #7 [Restore the Health of the Chesapeake Bay by 2020](#)

66.468 MARYLAND DEPARTMENT OF THE ENVIRONMENT (\$3,500,000 pass-through)

Program Description: Design and construction of capping and closure of Hobbs Road Landfill in Denton, Caroline County. Funding consists of \$2,000,000 base loan and \$1,500,000 principal forgiveness.

FY10 (exp)	FY11 (approp)	FY12 (est)
\$ 0	\$ 3,500,000	\$ 0

Program Supported / Population Served: Citizens of Caroline, Kent, Queen Anne's, and Talbot counties.

Governor's Goal #7 [Restore the Health of the Chesapeake Bay by 2020](#)

66.468 MARYLAND DEPARTMENT OF THE ENVIRONMENT (\$6,720,475 pass-through)

Program Description: Removal of 1,070,000 scrap tires at the Garner property in Brandywine, Prince George's County and restoration of ravines and adjacent stream areas. Funding consists of \$5,852,975 base loan, \$433,750 green loan, and \$433,750 principal forgiveness.

FY10 (exp)	FY11 (approp)	FY12 (est)
\$ 0	\$ 3,360,237	\$ 3,360,238

Program Supported / Population Served: Citizens of Prince George's County.

Governor's Goal #7 [Restore the Health of the Chesapeake Bay by 2020](#)

81.041 MARYLAND ENERGY ADMINISTRATION (\$5,250 pass-through)

Program Description: Installation of a photovoltaic solar energy system at the Masonville Cove Environmental Education Center (MCEEC). MCEEC is part of associated community enhancement and mitigation elements related to the dredged material containment facility at Masonville in Baltimore Harbor.

FY10 (exp)	FY11 (approp)	FY12 (est)
\$ 5,250	\$ 0	\$ 0

Program Supported / Population Served: Residents of Brooklyn, Curtis Bay, and Baltimore City.

Governor's Goal #11 [Reduce Maryland's Statewide Greenhouse Gas Emissions by 25% by 2020](#)

81.041 MARYLAND ENERGY ADMINISTRATION (\$5,000 pass-through)

Program Description: Installation of a geothermal heat pump at the Masonville Cove Environmental Education Center (MCEEC). MCEEC is part of associated community enhancement and mitigation elements related to the dredged material containment facility at Masonville in Baltimore Harbor.

FY10 (exp)	FY11 (approp)	FY12 (est)
\$ 5,000	\$ 0	\$ 0

Program Supported / Population Served: Residents of Brooklyn, Curtis Bay, and Baltimore City.

Governor's Goal # 11 [Reduce Maryland's Statewide Greenhouse Gas Emissions by 25% by 2020](#)

81.041 MARYLAND ENERGY ADMINISTRATION (\$100,000 pass-through)

Program Description: Power purchase agreement phase of development of a thermophilic anaerobic digester (AD) of poultry litter at the Eastern Correctional Institution (ECI) in Somerset County, on Maryland's Eastern Shore. AD unit will assist in the management of nutrients (phosphorous and nitrogen) directly related to poultry manure. Somerset County has the highest density of poultry growers on the Maryland Shore and has been identified as a major contributor to phosphorous contaminating the Chesapeake Bay watershed. The AD unit will also provide needed electric power to the ECI facility as well as a high quality fertilizer for commercial use.

FY10 (exp)	FY11 (approp)	FY12 (est)
\$ 32,369	\$ 67,631	\$ 0

Program Supported / Population Served: Poultry growers located in Somerset County, additional job creation, ECI prison population, and the row-crop farmers and nursery population on the Eastern Shore.

Governor's Goal #10 [Increase Maryland's Renewable Energy Portfolio by 20% RPS by 2022](#) and #11 [Reduce Maryland's Statewide Greenhouse Gas Emissions by 25% by 2020](#)

81.041 MARYLAND ENERGY ADMINISTRATION (\$250,000 pass-through)

Program Description: Technical assistance, permitting, design, and program management for development of a thermophilic anaerobic digester (AD) of poultry litter at the Eastern Correctional Institution (ECI) in Somerset County, on Maryland's Eastern Shore. AD unit will assist in the management of nutrients (phosphorous and nitrogen) directly related to poultry manure. Somerset County has the highest density of poultry growers on the Maryland Shore and has been identified as a major contributor to phosphorous contaminating the Chesapeake Bay watershed. The AD unit will also provide needed electric power to the ECI facility as well as a high quality fertilizer for commercial use.

FY10 (exp)	FY11 (approp)	FY12 (est)
\$ 0	\$ 75,000	\$ 175,000

Program Supported / Population Served: Poultry growers located in Somerset County, additional job creation, ECI prison population, and the row-crop farmers and nursery population on the Eastern Shore.

Governor's Goal #10 [Increase Maryland's Renewable Energy Portfolio by 20% RPS by 2022](#) and #11 [Reduce Maryland's Statewide Greenhouse Gas Emissions by 25% by 2020](#)

81.128 MARYLAND ENERGY ADMINISTRATION (\$102,200 pass-through)

Program Description: MES supports MEA prime contractor Sentech/SRA in administration of the Energy Efficiency Conservation Block Grant (EECBG) program in Maryland and provides additional grant and loan program assistance.

FY10 (exp)	FY11 (approp)	FY12 (est)
\$ 0	\$ 73,600	\$ 28,600

Program Supported / Population Served: Local Governments, Non-Profit Organizations, State of Maryland Citizens.

Governor's Goal #9 [Reduce Per Capita Electricity Consumption in Maryland by 15 % by 2015](#) and #11 [Reduce Maryland's Statewide Greenhouse Gas Emissions by 25% by 2020](#)

MARYLAND PORT ADMINISTRATION (\$697,500 pass-through)

Program Description: Grant award to the Brooklyn and Curtis Bay Coalition, Inc. to provide opportunities for citizen involvement, public awareness, community stewardship, and environmental education related to the dredged material containment facility at Masonville in Baltimore Harbor, including associated community enhancement and mitigation elements.

FY10 (exp)	FY11 (approp)	FY12 (est)
\$ 74,932	\$ 66,000	\$ 102,000

Program Supported / Population Served: Residents of Brooklyn, Curtis Bay, and Baltimore City.

Governor's Goal #2 [Improve Student Achievement, and School, College and Career Readiness in Maryland by 25% by End 2015](#) and #7 [Restore the Health of the Chesapeake Bay by 2020](#)

MARYLAND PORT ADMINISTRATION (\$1,048,000 pass-through)

Program Description: Grant award to the Living Classrooms Foundation to provide opportunities for citizen involvement, public awareness, community stewardship, and environmental education related to the dredged material containment facility at Masonville in Baltimore Harbor, including associated community enhancement and mitigation elements.

FY10 (exp)	FY11 (approp)	FY12 (est)
\$ 195,499	\$ 356,655	\$ 300,000

Program Supported / Population Served: Residents of Brooklyn, Curtis Bay, and Baltimore City.

Governor's Goal #2 [Improve Student Achievement, and School, College and Career Readiness in Maryland by 25% by End 2015](#) and #7 [Restore the Health of the Chesapeake Bay by 2020](#)

MARYLAND PORT ADMINISTRATION (\$345,000 pass-through)

Program Description: Grant award to the National Aquarium in Baltimore to provide opportunities for citizen involvement, public awareness, community stewardship, and environmental education related to the dredged material containment facility at Masonville in Baltimore Harbor, including associated community enhancement and mitigation elements.

FY10 (exp)	FY11 (approp)	FY12 (est)
\$ 8,897	\$ 0	\$ 70,000

Program Supported / Population Served: Residents of Brooklyn, Curtis Bay, and Baltimore City.

Governor's Goal #2 [Improve Student Achievement, and School, College and Career Readiness in Maryland by 25% by End 2015](#) and #7 [Restore the Health of the Chesapeake Bay by 2020](#)

MARYLAND DEPARTMENT OF NATURAL RESOURCES 2010 TRUST FUND (\$10,000 pass-through)

Program Description: DNR Trust Fund grant award to the Chester River Association (CRA) to fund MES efforts to complete a feasibility study for a switch grass market. This project will assist the CRA promote the growth of switch grass, not only as a buffer crop, but also as a possible fuel source for renewable energy.

FY10 (exp)	FY11 (approp)	FY12 (est)
\$ 0	\$ 0	\$ 10,000

Program Supported / Population Served: Users of the Chesapeake Bay, Maryland farmers, local interest in biomass renewable energy.

Governor's Goal #10 [Increase Maryland's Renewable Energy Portfolio by 20% RPS by 2022](#) and #11 [Reduce Maryland's Statewide Greenhouse Gas Emissions by 25% by 2020](#)

FOUNDATION GRANT: ROSEMORE, INC. (\$1,000)

Program Description: Assist in refurbishing a used motor oil recycling drop-off center in Baltimore City.

FY10 (exp)	FY11 (approp)	FY12 (est)
\$ 0	\$ 0	\$ 0

Program Supported / Population Served: Residents of Baltimore City.

Governor's Goal #7 [Restore the Health of the Chesapeake Bay by 2020](#)

FOUNDATION GRANT: THE ELIZABETH B. and ARTHUR E. ROSWELL FOUNDATION, INC. (\$4,500)

Program Description: Recycling training for local and state government agencies and publication of a "Buy Recycled" training manual.

FY10 (exp)	FY11 (approp)	FY12 (est)
\$ 260	\$1,451	\$ 0

Program Supported / Population Served: Local and state government agencies.

Governor's Goal #7 [Restore the Health of the Chesapeake Bay by 2020](#) and #11 [Reduce Maryland's Statewide Greenhouse Gas Emissions by 25% by 2020](#)

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