



Environmental Stewardship

Ensure that the delivery of the State's transportation infrastructure program conserves and enhances Maryland's natural, historic and cultural resources

Objectives:

- Limit the impacts of transportation on Maryland's natural environment through impact avoidance, minimization and mitigation.
- Employ resource protection and conservation practices in project development, construction, operations, and maintenance of transportation assets.
- Implement transportation initiatives to mitigate the impacts of climate change and improve air quality.
- Support broader efforts to improve the health of the Chesapeake Bay, protect wildlife, conserve energy, and address the impacts of climate change.



Retrofitting and replacing MTA buses with hybrid or clean diesel technologies helps improve Maryland's air quality

Accomplishments and Ongoing Activities:

- MTA received a \$40 million federal grant to replace Baltimore's 65-year old Kirk Division Bus Facility with two sustainable 'green' buildings that will help reduce noise and vehicle emissions in the neighborhoods near Kirk Division. In addition, the now fully funded project will reduce operating costs, create local construction jobs in Northeast Baltimore, and help more than 350 local transit employees maintain a growing fleet of new, energy-efficient buses.
- Working with the U.S. Army Corps of Engineers, MPA pioneered beneficial uses of dredged material for restoring eroding islands, and developing upland and wetland habitats in the Chesapeake Bay.
- SHA and MDTA are implementing new stormwater practices in response to the Chesapeake Bay Total Maximum Daily Load (TMDL) requirements. This includes treating stormwater runoff by installing sand filters, infiltration berms and bioretention landscaping, restoring streams and planting trees. SHA's program is designed to treat approximately 6,700 acres of currently untreated paving and will remove nearly 172,000 tons of sediment, 4,700 pounds of nitrogen and 1,089 pounds of phosphorus from the Chesapeake Bay watershed annually.

The Maryland Port Administration is pioneering beneficial uses of dredged material to restore eroded islands and to create upland and wetland habitats in the Chesapeake Bay

- SHA planted nearly 120,000 trees on 480 acres of State property in Anne Arundel, Baltimore, Carroll, Charles, Frederick, Harford, Howard, Montgomery and Prince George's counties.
- MDOT is retrofitting and replacing aging fleet vehicles to reduce emissions and improve air quality. This includes replacing MTA buses with hybrid or clean diesel vehicles; purchasing diesel MARC Train locomotives that meet stringent new EPA requirements for all types of pollutants; replacing MPA dray trucks with newer equipment that will use ultra low sulfur-bio diesel fuel; and retrofitting SHA dump trucks used for maintenance activities with special filters designed to reduce diesel fuel emissions.
- MDOT has encouraged use of electric vehicles by the public by installing electric vehicle chargers at various State-owned locations, making refueling more convenient.
- Over the next five years, MVA will reduce paper forms and increase the use of alternative service delivery methods, as well as provide virtual and wireless availability for driver and vehicle services and products.