



Maryland Green Registry MEMBER

The Maryland Green Registry promotes and recognizes sustainable practices at organizations of all types and sizes. Members agree to share at least five environmental practices and one measurable result while striving to continually improve their environmental performance.

Maryland Department of Transportation



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<http://www.mdot.maryland.gov/>
State Government
Member since December 2011

Management and Leadership

Environmental Policy Statement

Policy Statement

1. *The Maryland Department of Transportation (MDOT) is dedicated to implementing environmentally sustainable transportation solutions that protect human health and conserve natural, historic, and cultural resources. These principles help guide our business throughout the organization.*
2. *MDOT is committed to environmental compliance, continuous improvement in environmental performance, and effective interaction with its employees, contractors, tenants, other government agencies, and the community.*
3. *All MDOT-wide assets will be managed in a manner that protects the environment and human health.*
4. *Guided by this Policy, MDOT shall:*
 - a. *Maintain a Headquarters Office of Environment to guide, coordinate, and oversee environmental policies, planning, operations, and evaluation across the organization;*
 - b. *Provide the leadership, management systems, and resources necessary to ensure that environmental objectives are achieved;*
 - c. *Fully comply with all federal, State, and local environmental laws and regulations;*
 - d. *Responsibly manage environmental resources and minimize harmful impacts of its activities, products and services on the environment through effective policies, planning, project development, system operations, and management reviews;*

- e. *Integrate the principles and practice of sustainability to develop and maintain an adaptive and resilient transportation infrastructure; and*
- f. *Communicate its environmental performance goals to employees, vendors, tenants, and contractors; ensure MDOT-wide coordination; and maintain open lines of communication about its environmental activities with the public.*



Environmental Team

The Maryland Department of Transportation's core mission is to facilitate the safe and efficient movement of people and goods across all major transportation modes. To perform this mission and achieve the Department's vision, MDOT must:

- *Operate, maintain and preserve the State's existing transportation facilities*
- *Plan and implement system improvements*
- *Provide convenient administrative services to Maryland's vehicle owners and operators*

The MDOT Secretary's Office of Environment is responsible for leading environmental compliance, stewardship, and sustainability policies and programs across all five MDOT Administrations, the Maryland Transportation Authority, and the Headquarters location, over the life cycle of transportation assets. The office comprehensively oversees and coordinates environmental management activities in transportation planning, design, construction, operations and maintenance, and develops standards and guidance as needed to implement MDOT's Environmental Policy.

To fulfill its mission, the Office of Environment (OE) with a mandate provides regular ongoing communications between a core team of key staff from the following TSO Office Units: Office of Environment (OE), Facilities (OFFAS), and Planning (OPCP) on occasion, Policy and Governmental Affairs (OPGA) will also be included for the purpose of mutual awareness, coordination of ongoing activities, integration of larger initiatives and programs, and incorporating environmentally sound practices.

TSO also has a dual role as the Headquarters of the MDOT and has a Department-wide Modal Environmental Compliance Committee (MECC), comprised of environmental managers and staff from the seven transportation Administrations and an Environmental Executives Committee (EEC) comprised of executive staff from each Administration. The MCC meets quarterly, bi-monthly, or monthly depending on current issues being addressed and communicates routinely between meetings to identify new issues and

opportunities as well as address existing issues that arise. The EEC meets once a year, more frequently depending upon the issues, and communicates informally.

Annual Environmental Goals

MDOT's 2022 Attainment Report lists the agency's goals and results:
<https://2022-mdot-attainment-report-by-the-numbers-maryland.hub.arcgis.com/>

Examples of specific goals include:

- Improve stormwater management by meeting required MDE goals for impervious acres treated under MS4 permits
- Recycle and/or reuse the highest quantity of concrete, metals and asphalt while meeting all safety and compliance requirements
- Recycling a minimum of 20% MD Recycling Act classified wastes from total MRA waste generated, every year
- Reduce building energy consumption by 10% by the year 2029 based on 2018 baseline data
- Support the State's goal of 60,000 EV registrations by 2020 and 300,000 by 2025
- Remain an active member in the MD Commission on Climate Change

Environmentally Preferable Purchasing

Since October 1, 2010, the Maryland Department of Transportation has participated in the Maryland Green Purchasing Committee. Twelve members constitute the Committee, one being MDOT.

The Committee was created by the Maryland General Assembly ([Chapter 594, Acts of 2010](#)). The Committee provides information, assistance, and guidelines for environmentally preferable purchasing, so that MDOT is procuring goods and services that have a lesser or reduced impact on human health and the environment.

The Committee publishes and maintains environmentally preferred specifications for adoption and use by MDOT. Annually, MDOT reports to the Maryland Department of General Services on what percentage the purchase of environmentally preferable products and services is of its gross purchases ([Chapter 604, Acts of 2014](#)).

Waste

Solid Waste Reduction and Reuse

In 2013, the Office of Facilities at MDOT Headquarters began to collect unused office supplies and keep a section of the supply room dedicated for reuse. Employees can visit the supply room and find slightly used items such as, binders, shelves, folders, dividers, etc.

Recycling

MDOT, TSO continues to find new ways to reduce the amount of waste entering landfills. In 2011 we recycled 21.61 tons and in 2012 we recycled 25.89 tons.

In 2021, MDOT Headquarters recycled the following materials:

- *Comingled Containers (Glass, Metal & Plastic Containers collected together): 0.16 tons*
- *Fluorescent Light Tubes: 0.02 tons*
- *Mixed Paper (includes shredded paper & newspaper): 7.20 tons*
- *Printer Cartridges: 0.09 tons*
- *Motor Oil 0.39 tons*

Energy

Energy Efficiency

- *Upgraded exterior lighting to LED from metal halide*
- *Upgraded water heaters to high efficiency units*
- *Rebuilt Lochnivar Condensing Boilers to improve efficiency*
- *Installed Snyder StructureWare as a part of the Energy Management System*
- *Replaced battery back-up system with new Lithium Ion Battery Unit*
- *Upgraded our EV charging station count from 2 to 6 with the ability to add 8 more chargers*
- *Added one more EV to our fleet to expand our Hybrid and EV lineup*

Over the last 12-months MDOT Headquarters has reduced daily use of electricity by 8.5%. [Previous Year: Mar 2020-Feb 2021. Current Year: Mar 2021-Feb 2022]

In 2021, MDOT Headquarters' total calendar year emissions of CO₂e decreased by 65 MT from CY20, and by 168 MT from CY19.

Transportation

Employee Commute

MDOT developed a robust Telework Policy as a result of the COVID-19 pandemic, which has decreased employee VMT across the entire State.

MDOT developed the Commuter Choice program, which allows a commuter to set aside pre-tax money through their employer to help pay for commuting costs. Employees who participate in commuter benefits programs can save up to 40% on qualifying commuting costs.

Efficient Business Travel

MDOT uses Microsoft Teams to facilitate virtual meeting options. This has allowed MDOT to receive greater internal and external participation for meetings where input is desired.

Efficient Fleet Vehicles

MDOT Headquarters has improved the overall fuel efficiency of our fleet vehicles. There are now 2 EVs, and 5 Hybrids used by our employees for travel.

Water

Water Conservation

At the MDOT Headquarters facility, there are low flow faucets throughout the building, low flow toilets in all restrooms, waterless urinals in the men's restrooms and the landscaping includes native plants to eliminate the need for irrigation.

Stormwater Management and Site Design

The MDOT Headquarters in Hanover is a LEED Gold Certified Building built in the Patapsco River Watershed. All of the developed acres of the site include stormwater runoff treatment. 6.44 acres are developed with the remaining 19.06 acres acting as treatment or placed in a Forest Conservation Easement. The main building area and North satellite parking lot encompass 2.44 acres and the runoff is treated with Contech Stormfilter treatment systems prior to discharge to a wetland of state concern. The West parking lot which encompasses 4.00 acres has its runoff treated by four dry swales engineered to treat separate sections of

the parking lot. All of the swales discharge to a wetland for further treatment before discharge to an unnamed tributary of Stoney Run.

Environmentally friendly landscaping design also insures that only native plants have been used to allow the landscape to survive based on normal rainfall and not require the use of irrigation water to maintain the plant life.

Green Building

LEED Gold

The MDOT headquarters in Hanover is registered LEED Gold for New Construction.

Environmental Certification Programs, Awards, and Other Activities

- While MDOT HQ is currently evaluating its campus for solar development, the Office has published a solar development contract available to use by all Maryland State Agencies, Counties, Municipalities, Quasi-State Agencies, and Non-Profits. MDOT HQ has worked with the Maryland Transit Agency to develop a contract for solar development at park and ride facilities. Howard County has written a Task Order off of MDOT's RFP and has since awarded a successful contract to CI Renewables.*

Profile Updated April 2022



Help build a greener, more sustainable Maryland through voluntary practices that reduce environmental impacts and save money.

Learn more at green.maryland.gov

