



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 Agriculture

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State Government Agency

Member since January 2010

Management and Leadership

Environmentally Preferable Procurement

MDA procures products that are comprised of recycled materials when possible. All of the department's paper towels, toilet paper and copier paper are made from recycled materials. Additionally, MDA's mandatory procurements from the Maryland Correctional Enterprises are products made from recycled materials (e.g., envelopes, letterhead, file folders, etc.)

Environmentally Preferable Products and Services

For all printed materials (e.g., brochures, annual reports, fliers, etc.) the department encourages employees to use Forest Stewardship Council certified, recycled paper, and soy ink.

MDA's Mosquito Control Program is conducted through an Integrated Pest Management (IPM) approach. IPM is based on ecological, economic and social principles and integrates multi-disciplinary methodologies in developing pest management strategies that are practical and effective to protect public health and the environment and improve the quality of life for Maryland residents and visitors. The department emphasizes source reduction, biological control and public education in its control program.

For the department's various pest control programs, MDA uses the least toxic, efficacious methods at the minimum effective rates when applying insecticides and pesticides.

Environmental Restoration or Community Environmental Projects

MDA worked together with the South River Federation to install three bioretention areas in July 2008 on MDA and Anne Arundel County property that are helping to capture and filter stormwater and non-point source runoff that flows into Broad Creek and South River. This initiative is funded through a grant from the Chesapeake Bay Trust and supported by a diverse alliance of public and private partners. In addition to controlling runoff, this project aims to serve as a model to inspire others to take similar action to help protect the health and quality of our waterways.

Waste

Recycling

In FY09, MDA recycled approximately 45.5 tons of materials that included: mixed paper, 15.8 tons; cardboard, 16 tons; landscape debris, 10 tons; car batteries 0.5 tons; and automobile tires, 1.6 tons.

In addition to mandatory recycling of white paper, MDA also has a voluntary recycling program for plastic, aluminum (128 pounds in 2009) and toner cartridges.

During 2009, 49,000 empty pesticide containers, weighing 21.6 tons, were collected from 125 participants. The pesticide containers are collected, chipped, processed and remanufactured into new pesticide containers by a contractor hired by the pesticide manufacturing industry. Since the program began in 1993, MDA has collected 616,000 empty pesticide containers weighing nearly 260 tons for recycling.

Energy

Energy Efficiency

EmPOWER MD \$2.32 million energy conservation and facility improvement projects are nearly complete with an additional \$414,000 to upgrade the chiller plant.

The Wayne A. Cawley, Jr. headquarters building projects include lighting retrofit upgrades, water conservation retrofits, building envelope improvements, renewable technology, HVAC upgrades, direct digital controls, facility maintenance services, and measurement and verification services.

Additionally, the project will have significant environmental impact by reducing greenhouse gases including 2.98 million pounds of carbon dioxide (CO₂), which is equivalent to the amount of CO₂ emitted by powering 120 homes, within the life of the contract. Other reductions include: 7,600 pounds of NO_x, 21,900 pounds of SO_x. Johnson Controls guarantees the savings and backs the guarantee up with a bond.

Renewable Energy

The EMPOWER MD energy conservation and facility improvement projects at MDA also include a system using solar panels to pre-heat potable hot water in the new laboratory building. Savings are not appreciable yet.

Transportation

Employee Commute

MDA offers the option for a compressed work week schedule during summer months.

Efficient Business Travel

Employees are encouraged to carpool to events, meetings and other off-site activities to reduce gasoline use and vehicle emissions. Additionally, the department offers (and participates) in teleconference meetings when available/appropriate.

Fleet Vehicles

Of MDA's total fleet of 284 vehicles, 106 are alternative fuels vehicles (ethanol/gas); one is CNG and one is a hybrid (gas/electric).

Water

Water Conservation

All of MDA's faucets, toilets and urinals are now fitted with water reduction devices that have reduced water use generally by fifty percent.

Stormwater Management and Site Design

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Maryland

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

Learn more at www.green.maryland.gov/registry

