



## 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.

# Anne Arundel County Department of Public Works Bureau of Waste Management Services



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[www.aacounty.org](http://www.aacounty.org)  
[www.RecycleMoreOften.com](http://www.RecycleMoreOften.com)

Local Government  
Member since April 2012

## Management and Leadership



### **Environmentally Preferable Products and Services**

*The goal of the Bureau of Waste Management Services (Bureau) is to provide a comprehensive service delivery system that focuses on the convenient source separation, recycling, and reuse of discarded materials, which minimizes the need to dispose materials as waste.*



### **Environmental Restoration or Community Environmental Projects**

*The Bureau holds six (6) Household Hazardous Waste Drop-Off Days per year for County residents to safely dispose of products containing harmful chemicals. The County began collecting household hazardous waste in 1988. Since then, the program has served over 76,650 customers, and removed 6,275,592 pounds of toxic chemicals and household products from the waste stream.*

## Waste



### **Solid Waste Reduction and Reuse**

*Brush is ground for reuse as mulch, while grass and leaves are composted to produce a salable product. In FY19, 34,558 tons for brush and 24,236 tons of grass and leaves were processed into usable products. Brick, asphalt and concrete are reused as road base materials. In FY19, a total of 7,028 tons of rubble was received at the*

*Millersville Landfill and the Bureau's three (3) Recycling Centers and reused in construction projects.*

*As part of its outreach program, the Bureau's Recycling and Waste Reduction Division educates County residents and businesses on recognizing the value of various materials and reducing discards. The Division informs County residents of the benefits of grass-cycling through direct mailings, and frequently includes source reduction tips on their informational brochures.*

**Recycling**

*Our recycling program includes collection services for County parks, offices, as well as small businesses. We offer recycling assistance for educational institutions, businesses, and government agencies too. We provide recycling containers and compost bins to County residents as part of the annual solid waste service charge.*

*In 2018, the Bureau implemented a County-wide "recycle right" campaign, with a goal of reducing the amount of unacceptable materials within single stream recyclables collected from County households. Since this initiative began, the percentage of unacceptable materials has been reduced from 26% to 14%.*

*In FY 19, the Bureau recycled 135,884 tons of materials, including single stream (paper, plastic, metals, and glass), cardboard, electronics, batteries, scrap metal, textiles, yard waste, tires, propane tanks, vinyl siding, plastic film, cooking oil, motor oil, antifreeze and oyster & clam shells.*

**Composting**

*In 2019, the Bureau launched an Organics Recycling program, providing County residents with the opportunity to drop-off food scraps and other Tier 2 organic items at the Central Recycling Center. Since inception, over 19,000 pounds have been diverted from the Landfill and delivered to the Prince George's County Organics Composting Facility. In July 2020, the program expanded to include food scrap drop-off at all three Recycling Centers. This is in addition to the County's mulch production mentioned above.*

**Energy**

**Renewable Energy**

*Anne Arundel County constructed a Landfill Gas-to-Electricity (LFGE) project at the Millersville Landfill and Resource Recovery Facility in 2012. The project generates 3.2 Megawatts of electricity for the local power grid, which is enough energy to meet*

*the average demands for nearly 2,000 households. Since 2012, the total cumulative energy generation from the LFGE facility is 206,274 megawatt hours. Over this same period, the sale of electricity and Renewable Energy Credits has totaled \$10.58 million in gross revenue.*

*Anne Arundel County installed a rooftop solar photovoltaic (PV) system on the Millersville Landfill's Maintenance Shop in 2017. The system includes 276 solar panels capable of producing 66.6 kilowatts (AC) of electricity. Through a net metering arrangement with the local utility company, the County is able to offset the shop's electricity usage with renewable energy from the solar PV system. To date, total electricity production has exceeded 205 megawatt hours.*

## Water



### **Stormwater Management and Site Design**

*Stormwater management systems are installed throughout the Millersville Landfill to capture and treat stormwater runoff before it is released to streams or rivers. Stormwater is diverted away from disposal areas. The stormwater travels along grassed terraces and is directed into larger channels that are lined with large rocks, known as rip rap, to prevent erosion. The grassed terraces and rip rap lined channels carry the stormwater to ponds, where it is stored long enough to allow any sediment to be deposited in the pond. Gradually, the stormwater is discharged to the receiving stream at a velocity that will not cause stream erosion.*

**Profile Updated July 2020**



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

*Learn more at [green.maryland.gov](http://green.maryland.gov)*

