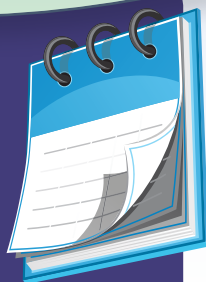


WASTE WATCH

building a greener future

SAVE THE DATES!



EPA's 16th Annual Landfill Methane Outreach Program (LMOP) Conference and Project Expo January 29-31, 2013.

The Annual LMOP Conference and Project Expo will be held at the Hilton Hotel, Baltimore, Maryland. For more information visit: epa.gov/lmop/workshops/16th.html.

The 2013 MRN/SWANA-MA Annual Conference is set for June 20-21, 2013.

Visit marylandrecyclingnetwork.org for more information.



STUDY UNDERWAY TO LEARN EFFECTIVENESS OF HOWARD COUNTY FOOD SCRAP RECYCLING PROGRAM.

A one-season composition analysis of residential trash is currently underway by the Bureau of Environmental Services (BES) of the Howard County Dept. of Public Works to analyze the progress of their Food Scrap Collection Pilot Program. Two routes of residential trash, collected curbside, are being studied—one route exclusively comprised of homes participating in the County's Food Scrap Program, the second route not participating.

The information gleaned from this research—and the pilot program itself—is very important. According to a recent study, about 23% of Howard County's trash is food scrap, which means almost a quarter of what goes to the landfill is wasted food. Participants receive a special

collection cart for their food scraps that is emptied weekly on recycling day. The unwanted food scraps are ultimately recycled into compost to be used as a soil amendment.

MSW Consultants was selected to conduct the sort after supplying a proposal for services based on the County's scope of work. The County adopted the Authority's contract with MSW Consultants for the project.

The Authority's on-call engineers assisted the County in planning and executing the sort. Each daily route represented approximately 1,000 setouts of typical municipal solid waste. A portion of the transfer station floor at the Alpha Ridge Landfill was cordoned off for MSW

continued on page 6



FISCAL YEAR 2012 Annual Report Letter

2

Development of Renewable
Energy Projects Promoted at 2012
MCEC Energy Summit

5



FISCAL YEAR 2012

Annual Report Letter

Fiscal Year 2012 was a very successful year for the Authority and its Member Jurisdictions. Work continued on the development of the Frederick/Carroll Renewable Waste-to-Energy Project, two new renewable energy projects were brought on-line, and additional focus was brought to find savings for our Members in these tight economic times.

New Projects Come On-Line

The Authority continued its practice of promoting public/private partnerships through the construction of two renewable energy projects. The first project to come on-line in Fiscal Year 2012 was the New Cut Road Landfill Solar Facility in Howard County.

This facility is the first solar project in Maryland to be built on top of a closed landfill. The private owner of the solar array, SunEdison, was granted a license to use approximately 5.7 acres of land on top of the closed landfill to build its

solar array. The estimated 573,000 kWh's per year of electricity generated by the facility is used to power the Worthington Elementary School located adjacent to the landfill.

Authority staff worked closely to coordinate the design and construction efforts with SunEdison, the Howard County Dept. of Public Works, the Howard County Public School System (and in particular the staff at Worthington Elementary School), and the Maryland Dept. of the Environment. This coordinated effort produced a project that is not only cost-effective, but most importantly is protective of the school and the closed landfill.

The Authority also completed the construction of the Anne Arundel County Landfill Gas-to-Electricity project in late June of 2012. This facility, which will produce approximately 27,000 MWh's per year of renewable energy by burning landfill gas, moved through its

permitting stage and began construction in November of 2011. The Authority contracted with LES Operations Services, LLC, Inc. for the design, permitting, construction and operation of the facility. The Authority and its contractor worked closely with Anne Arundel County to ensure that the construction was compatible with the existing landfill gas flare station as well as the other landfill infrastructure on the site.

The feasibility of this project was enhanced by a grant from the U.S. Dept. of Energy's Energy Efficiency and Conservation Block Grant Program authorized in federal Title V, Subtitle E of the Energy Independence and Security Act and funded by the American Recovery and Reinvestment Act of 2009.

These projects exemplify the Authority's mission to seek innovative ways to use solid waste assets and create renewable energy.



Anne Arundel County's New Landfill Gas-to-Energy Facility.

Operational Highlights

In addition to the new projects brought online, the Authority continued to manage its existing projects and waste disposal and recycling contracts. Operational highlights for the year include:

- 1) 100% environmental permit compliance at our waste-to-energy and landfill gas-to-energy facilities.
- 2) Over 1,280,000 tons of waste managed through Authority contracts.
- 3) Over 23,000 tons recycled through Authority contracts.
- 4) Over 14,000,000 pounds of electronics recycled through the Authority's master service agreement.
- 5) Over 340,000 MWh's of renewable energy generated and sold from Authority owned/managed facilities.
- 6) 419,000 Renewable Energy Credits sold.
- 7) Authority-owned projects avoided the creation of over 1.3 million tons of greenhouse gases during the fiscal year.

Renewable Energy and the Environment

When the State of Maryland created the Authority in 1980, a major goal was to integrate solid waste disposal with energy generation. The Authority has exceeded this goal with the development

of several renewable energy facilities, including the two new projects previously mentioned.

Authority projects possess over 135 megawatts of renewable energy capacity, which is approximately 10% of the renewable energy capacity in Maryland. The Authority actively sells renewable energy credits (RECs) for many of its projects, and also sells RECs for Prince George's County landfill gas-to-energy projects and Baltimore City's Back River wastewater treatment plant methane-to-electricity project.

Contract Savings

"It's all about the economy!" We've all heard that saying often in recent years. The Authority has always sought out economically viable projects and contracts for its Members, and this year was no exception.

During the past year, the Authority took advantage of contract opportunities to save money for its Members on disposal costs for three significant contracts. For the Frederick County transfer and disposal contract and the Carroll County transfer and disposal contract, the Authority was able to negotiate a waiver of the annual inflation adjustor, resulting in combined savings in excess of \$290,000 per year.

In addition to these contracts, the Authority was successful in negotiating an early extension of its operating contract for the Montgomery County Resource Recovery Facility with Covanta Energy. This extension allowed Covanta to provide savings to the Authority in the form of an improved ash handling system, operational cost reductions, and a significant cash payment. It is anticipated that this extension will provide over \$20 million of savings to the Authority over the remaining contract term (five years) as well as the five-year extension.

These savings are passed on to the Counties and result in lower overall costs of waste management services for our Members.

Keeping it Local

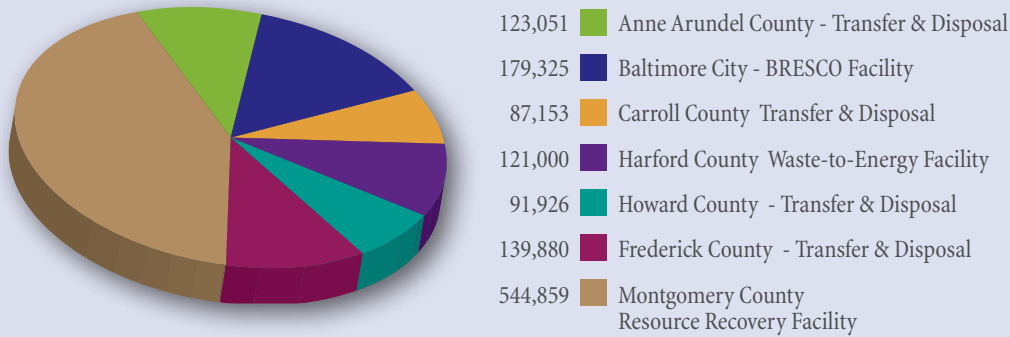
In addition to generating clean renewable power, the three waste-to-energy facilities that the Authority owns or contracts with also play significant roles in the local economies around the facilities. The three facilities employ over 230 people in well-paying jobs and make a concerted effort to purchase local goods and services. These three facilities contribute over \$33.7 million to the local economy through employee pay and purchase of goods and services.

New Year, New Look

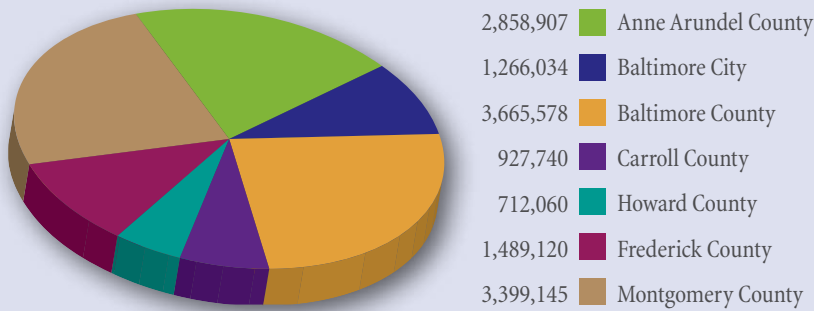
To usher in 2012, the Authority unveiled its newly redesigned website and newsletter. To keep interested parties up to date, the website offers a fresher look and allows for easier navigation throughout the site. Our newsletter followed suit, taking many of its design features from the website. You can visit the website at www.nmwda.org. To sign up to receive our newsletter electronically, email authority@nmwda.org.



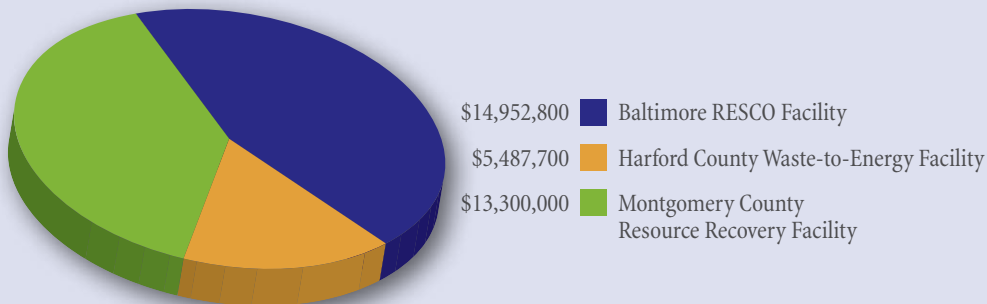
Solid Waste Processed Through Authority Contracts in FY 12 (Tons)



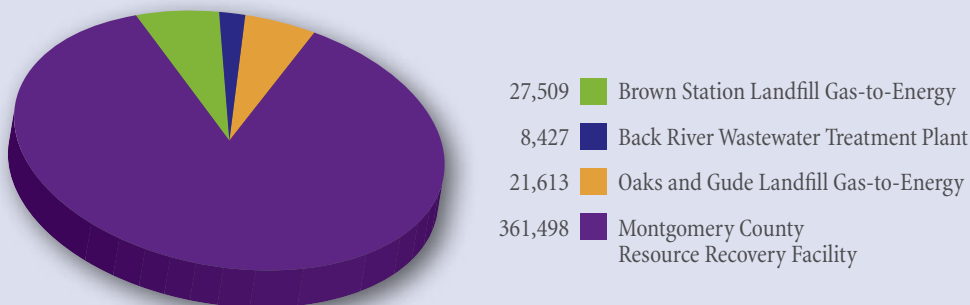
Pounds of E-Cycling Through Authority Master Contract for FY 12



Local Benefit of Waste-to-Energy under Authority Contracts for FY 12



RECS Sold during FY 12



If you would like a copy of our FY 2012 Audited Financial Statements, please contact us at **410-333-2730**.

Saying Goodbye

This past year also marked the retirement of Robin Davidov, longtime Executive Director and staff person with the Authority. She gave more than 30 years of service to the Authority and was instrumental in bringing about many of the projects that will impact Maryland's solid waste, recycling and renewable energy landscape for years to come. We thank Robin for her many years of dedicated service and wish Robin the best of luck in her retirement.

Looking Ahead

Fiscal Year 2012 was a busy year for our small, dedicated staff managing ongoing projects, bringing two renewable energy projects on-line, and continuing to seek economic solutions for our Members. Our efforts would not have been successful without the equally dedicated Board Members and their staff. As we move forward into FY 2013, we will continue to assist our Members in finding environmentally sound solutions for managing their waste, recycling and solid waste resources.



DEVELOPMENT OF RENEWABLE ENERGY PROJECTS PROMOTED AT 2012 MCEC ENERGY SUMMIT.

The Maryland Clean Energy Center (MCEC or Center) was created in 2008 to foster the development of renewable energy projects and jobs in the State. Their goal is “connecting the right combination of people, resources and capital in order to achieve sustainability and success”—and this year’s Energy Summit, held on Sept. 17-19 at the BWI Airport Marriott, achieved exactly that.

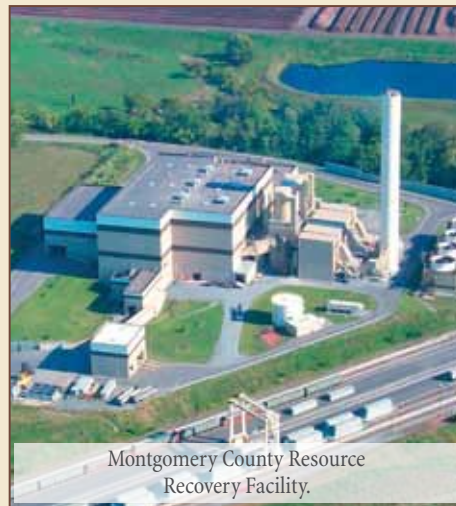
The Center serves as a clearinghouse for information on the renewable energy sector for business, government, and job seekers, and coordinates several broad-based meetings throughout the year to bring legislators, developers and the public sector together. The Authority has been an active supporter of the Center for the past several years, including participating on the Center’s Advisory Board in 2012 and providing sponsorship for the 2012 MCEC Energy Summit.

Participants in this year’s Summit heard from key technology developers, companies involved in the deployment of renewable energy, and public sector representatives regarding the future

of renewable energy in Maryland and across the U.S. The overall tone was positive and many good connections were made. During the opening plenary roundtable discussion, attendees heard from industry experts about advances in smart meter technology, as well as NanoSteel, a product that will reduce the overall weight of a vehicle without compromising the strength of its chassis.

A significant challenge facing the energy sector in the near term is the development of effective energy storage. Abby Hopper, interim Executive Director of the Maryland Energy Administration, spoke about the progress that the State is making to meet the Governor’s goal of 20% of all the State’s energy being derived from renewable sources by 2022. Notably, waste-to-energy plays a prominent role in attaining the renewable energy production goal. Comptroller Peter Franchot closed the first full day of the Summit, noting his longstanding support for renewable energy.

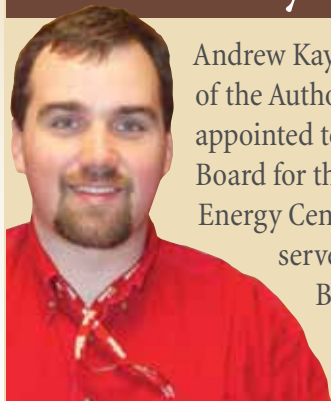
The Authority has been a leader in providing renewable energy from waste for many years. As renewable energy resources are becoming more important,



the Authority has expanded its role in providing renewable energy by developing solar energy projects and landfill gas-to-energy projects at solid waste facilities. One such solar facility—the Transfer Station Solar Project—was mentioned as part of the suite of efforts by this year’s Bright Light Award Winner Eric Coffman, Senior Energy Planner of the Montgomery County Department of Environmental Protection.

For more information on the Authority’s renewable energy projects, please call 410-333-2730.

Andrew Kays Appointed



Andrew Kays, Deputy Director of the Authority, has been appointed to the 2013 Advisory Board for the Maryland Clean Energy Center. Mr. Kays served on the Advisory Board in 2012 on the Legislative Review Committee.



Frederick County Landfill Gas-to-Energy Project.

STUDY UNDERWAY TO LEARN EFFECTIVENESS OF HOWARD COUNTY FOOD SCRAP RECYCLING PROGRAM.

continued from page 1

Consultants to perform the survey work during the week of Oct. 22; the County coordinated the front-end loader for the sampling days. Sorting of the waste into different classifications took place on an elevated table on the transfer station floor. Minimal handling of the material occurred in order to preserve the trash as it was delivered.

The MSW Consultants' site manager for the sort routinely collected the different material class containers for weighing and the recording of data. Recyclables

that were separated from the trash were placed into County-provided containers for processing. The separated garbage fraction was collected and disposed of through the transfer station. The County will use the sort data to analyze the progress of the Food Scrap Recycling Program to date, and as part of the planning for future recycling efforts.

For more information on the waste sort, or the Authority's on-call engineers, please contact Andrew Kays at the Authority at 410-333-2730.



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