



AUTHORITY AWARDS NEW CONTRACT FOR CARROLL COUNTY RECYCLING SERVICES

A new contract to transport and process all Carroll County recovered material has been awarded to Waste Management Recycle America (WMRA). In April, the Authority issued an RFP for recycling operations at the Carroll County Northern Landfill Transfer Station including the transportation and processing of recovered materials.

The evaluation team, consisting of Authority and Carroll County staff, evaluated WMRA's technical and cost proposal and determined that WMRA's proposal met the qualifications of the RFP. Carroll County's previous contract for the operations, transportation and processing of Carroll County recovered material was with WMRA as well. Carroll County and other Authority Members have been satisfied with the service provided by WMRA for single-stream processing.

The County's recovered materials include the single-stream recyclable materials separated from the waste stream at the curb by homeowners and businesses, plus cardboard received from businesses and County drop-off centers. WMRA will use a County-owned baler to process the

cardboard at the Transfer Station prior to transport.

The Authority's contract with WMRA is based on market values of the recyclable commodities, offset by the service fees for operations, processing and transportation. The market values of the commodities are based on industry standard indices that are applied to commodity tonnage allocations. These tonnage allocations may be adjusted through approved sort audits to provide updated commodity compositions of the single-stream material. This contract mechanism is similar to other Authority Member Jurisdictions with single-stream programs. The County will receive an annual grant from WMRA for recycling outreach and education.

The Authority Board approved the recommendation to award the service contract to WMRA on June 10. The Board of Carroll County Commissioners approved the contract on June 25.

For more information regarding this recycling contract or other regional opportunities, please contact John E. Schott III at 410-333-2730.

THE NORTHEAST MARYLAND WASTE DISPOSAL AUTHORITY THANKS THESE BUSINESSES AND INSTITUTIONS FOR RECYCLING AND SUBMITTING TONNAGE REPORTS FOR 2014:

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To learn how to get your name in this ad next year or for recycling assistance, please call the Authority at: 410-333-2730 or send an email to: authority@nmwda.org

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Wheelabrator Technologies Celebrates 30 Years in Baltimore

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Authority Sponsors Maryland Recycling Network and SWANA Mid-Atlantic Chapter Annual Conference



WHEELABRATOR TECHNOLOGIES CELEBRATES 30 YEARS IN BALTIMORE

WTE Facility Generates Renewable Power Resulting in Economic & Environmental Benefits

The Wheelabrator Baltimore Facility (BRESKO) celebrated its 30th anniversary in June, marking three decades of sustainability and renewable energy generation in the Baltimore region.

BRESKO uses waste from Baltimore area homes and businesses as a local, sustainable fuel to create clean, renewable energy. Every day, the facility converts up to 2,250 tons of post-recycled waste into 64 megawatts of Tier 1 renewable energy, of which 55 megawatts are sent to the local utility. That's the equivalent of supplying the electrical needs of 40,000 Maryland homes, with the remaining balance of power being used to fuel facility operations. BRESKO also provides steam for the downtown heating loop serving more than 230 customers, including M&T Bank Stadium (home of the Baltimore Ravens) and area homes, offsetting the need for fossil fuels.

BRESKO, which began operations in 1985, is a major partner in the City's revitalization. The Facility uses local waste as fuel to create energy and recycle metals, reducing the need for landfills and lowering carbon emissions. Through the waste-to-energy process, the Facility

creates a local-energy ecosystem where consumers supply the energy for the power and steam they use.

"As our renewable energy partner, BRESKO has played a significant role in building sustainable communities in the Baltimore region through environmentally sound waste management practices and renewable energy generation," said Baltimore City Mayor Stephanie Rawlings-Blake. "Over the last 30 years, the Facility has helped our city reduce its carbon footprint while providing Tier 1 renewable energy to tens of thousands of Maryland homes and businesses. Together, we can ensure that we are making the best choices for a sustainable future, and that starts right here in our own city where we convert waste to energy."

The 30-year-old Facility serves the entire Baltimore region and works closely with County as well as City officials. County Executive Kevin Kamenetz noted that, "Together with BRESKO, Baltimore County is working to create and maintain sustainable communities and preserve our environment for the next generation of Baltimore area residents. The Facility plays a critical role in

reducing the amount of waste we send to our landfills, while generating electricity for our residents, which offsets our need to use fossil fuels."

30-Year BRESKO Operational and Environmental Results:

- **Processed more than 21 million tons of municipal solid waste**—enough to fill over 1 million tractor-trailers—which if lined up end-to-end, would span the width of the U.S. (Baltimore to San Diego) more than five times.
- **Generated nearly 9 million megawatts of electricity**—enough electricity to power all residential homes in the U.S. for more than two days.
- **Recycled over 400,000 tons of ferrous metals**—enough steel to build 57 Eiffel Towers.

Most recently, new equipment for recycling of non-ferrous metals was installed, recovering more than 1,000 tons in the first eight months of operation, *an amount equivalent to 64 million soda cans which, if lined up end-to-end, would stretch for 5,000 miles.*

**Recovered
1,000 TONS
of non-ferrous metals
in 8 months**

= 64 MILLION CANS!!



WHICH, IF LINED UP END-TO-END, WOULD EQUAL 5,000 MILES OF CANS!



Wheelabrator's Regional Vice President Jeff Primavera (far left), Baltimore City Department of Public Works Director Rudy Chow, Wheelabrator Baltimore Plant Manager Dave Jones, Wheelabrator's Senior Vice President of Operations & Engineering Bill Roberts, Assistant Deputy Mayor for Operations Daniel J. Sparaco



Baltimore City Mayor Stephanie Rawlings-Blake

30-Year BRESKO Economic Results:

- **The company directly employs 71 Maryland residents** – 75 percent of whom live in the Baltimore area.
- **BRESKO indirectly supports an estimated 175 additional jobs** in transportation and support services that are connected to the Facility.
- **The Facility contributes an estimated \$50 million in economic**

activity annually to the City, County and the State between payroll, purchases of goods and services, and tax payments.

“Combined with the City’s increased recycling efforts, which divert items from the waste stream, creating energy-from-waste is another solution for Baltimore,” said Baltimore City Department of Public Works Director Rudy Chow. “We deliver approximately 175,000 tons of waste to the Facility annually. The Department of Public

Works is glad to be a long-time partner with BRESKO and congratulates the company on its 30th anniversary.”

For 30 years, Authority Member Jurisdictions Baltimore City and Baltimore County have continuously utilized the BRESKO Facility as a key component of each jurisdiction’s integrated waste management system.



AUTHORITY SPONSORS MARYLAND RECYCLING NETWORK AND SWANA MID-ATLANTIC CHAPTER ANNUAL CONFERENCE

Waste Diversion, Materials Contamination and MWP was the focus of 21st Century Concepts, Strategies and Technologies

The conference, held in Linthicum June 25 and 26, was attended by nearly 200 industry professionals interested in advancing recycling and improving solid waste management in the state. Conference speakers discussed a variety of topics, including how to increase diversion of recyclable materials, an update on the recycled material markets and ongoing efforts to advance the composting of food scrap, both here and around the country. Breakout sessions covered improvements in

emissions for diesel equipment, landfill gas regulations and storm water management. A full recap of the conference can be found on the Maryland Recycling Network webpage at <http://www.marylandrecyclingnetwork.org/missed-2015-conference-heres-quick-recap>.

Materials Contamination and Increased Costs

The hot recycling topic at this year’s conference was the drive for more recovery of material while avoiding

contamination. An article published in the *Washington Post* recently about the changes in the revenue stream of recycling due to single-stream recycling, rising capture rates of materials and the increase in contamination, served as the catalyst for this discussion. “American Recycling is Stalling and the Big Blue Bin is One Reason Why,” (*Washington Post* June 20, 2015). Increased contamination leads to higher processing costs and lower revenue for the recovered materials. Other negative revenue drivers are lower oil prices and less demand from overseas

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AUTHORITY SPONSORS MARYLAND RECYCLING NETWORK AND SWANA MID-ATLANTIC CHAPTER ANNUAL CONFERENCE

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markets. These pressures have led to the problem of costs exceeding revenue, an issue highlighted in the Recycling Markets Update session.

“The Authority will continue to keep an eye on the progress of MWP practices. Even with small test market samples, recycling participation rates of 100 percent, with 40 percent diversion from the waste stream, are encouraging results and indicate great recycling potential for certain applications.”

-Chris Skaggs, Authority Executive Director

Mixed Waste Processing, Impressive Potential

Another important session featured a potential up-and-coming trend in recycling called Mixed Waste Processing (MWP).

MWP has been done for many years, but advances in sorting technology over the last few years have brought the technology back to the forefront of discussions in the industry.

MWP facilities process mixed solid waste to recover many recyclables including papers, cardboard, plastics and metals. Some MWP facilities also recover organics (food scrap, dirty paper, etc.) for further processing into compost and some look to capture energy from anaerobic digestion.

With MWP, a household or business does not need to have a separate recyclables

pickup, saving on the cost and reducing the environmental impact of a separate collection. Not requiring consumers to sort their recyclables leads to 100 percent participation in the collection program and has been shown to recover more than 40 percent of the traditional recyclable material from the waste stream. This technology opens up the possibility for capturing and marketing non-traditional single stream material to potentially increase recycling rates. Debate on the quality and marketability of the recovered products will likely continue, but facilities are in operation in the U.S., so real world data is being generated that should help settle the debate.