

Appendix A: Source Reduction Credit Checklist

MARYLAND DEPARTMENT OF THE ENVIRONMENT

1800 Washington Blvd. STE 610 • Baltimore Maryland 21230-1719

410-537-3314 • 1-800-633-6101 x3314 (within Maryland) • <http://www.mde.state.md.us>

Waste Management Administration
Planning, Recycling and Outreach Program

COUNTY SOURCE REDUCTION (SR) CREDIT REPORT

County: BALTIMORE COUNTY

Reporting Period: 2007

Only respond "yes" for source reduction activities occurring in the reporting calendar year, unless a three-year time period is specified. A county may respond "yes" for an activity that is conducted in association with another partner.

Because SR of yard trimmings has the greatest SR potential of all materials, counties may receive a SR credit of up to 2% in Part 1 (Yard Trimmings SR Credit Checklist). For Part 1 a 1% credit will be awarded for each of the two Yard Trimmings SR boxes checked. For Part 2 (General SR Credit Checklist), SR credit will be awarded using the following ranges: 5 - 9 "Yes" = 1%, 10 - 15 "Yes" = 2%, and 16 or more "Yes" = 3%. Maximum combined SR credit for Part 1 and Part 2 is 5%.

PART 1 - YARD TRIMMINGS SOURCE REDUCTION CREDIT CHECKLIST

SR CREDIT OF 1% WILL BE AWARDED FOR EACH YES RESPONSE. (CHECK ALL THAT APPLY.)

1. Conducted an ongoing, multi-faceted, public education program promoting grasscycling and/or home composting of yard trimmings.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
2. Within the past three years , distributed publications exclusively promoting and describing how to utilize grasscycling and/or home composting of yard trimmings to at least 30% of single family households in the county.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No

PART 2 - GENERAL SR CREDIT CHECKLIST -Nothing Related to Yard Trimmings Here!!!

PROMOTION/GENERAL EDUCATION (CHECK ALL THAT APPLY.)

1. Staffed a SR display at a county fair or similar event.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
2. Hosted a SR event for the general public.	<input type="checkbox"/> Yes	<input type="checkbox"/> No
3. Incorporated SR information into a county web site.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
4. Promoted SR in schools on an ongoing basis.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
5. Implemented a SR curriculum or ongoing activity in schools.	<input type="checkbox"/> Yes	<input type="checkbox"/> No
6. Advertised residential SR success through a county awards program or through local newspapers, radio, television or other media.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
7. Advertised business SR success through a county awards program or through local newspapers, radio, television or other media.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
8. Integrated SR into ongoing county employee training and education programs.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
9. Established/maintained ongoing SR recognition program for county employees.	<input type="checkbox"/> Yes	<input type="checkbox"/> No
10. Promoted SR through television or radio appearance or advertisement.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
11. Within the past three years , distributed SR materials (brochures, flyers, fact sheets, posters, etc.) to at least 30% of county residents through events, mailings or publications.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
12. Within the past three years , distributed SR materials (brochures, flyers, fact sheets, posters, etc.) to at least 30% of county businesses through events, mailings or publications.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
13. Within the past three years , developed/updated a solid waste reuse directory for county residents and/or businesses.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
14. Within the past three years , conducted a focus group or a survey of residents about SR activities and assistance needs.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
15. Within the past three years , conducted a focus group or a survey of businesses and institutions about SR activities and assistance needs.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No

PART 2 - GENERAL SOURCE REDUCTION CREDIT CHECKLIST cont.

TECHNICAL ASSISTANCE (CHECK ALL THAT APPLY.)		
16. Developed/maintained a system for referring citizens, businesses and organizations to a materials exchange program.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
17. Developed/maintained a system for providing reusable materials to a reuse center.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
18. Developed/maintained a swap shop or other materials exchange.	<input type="checkbox"/> Yes	<input type="checkbox"/> No
19. Coordinated a textile reuse project.	<input type="checkbox"/> Yes	<input type="checkbox"/> No
20. Worked with a targeted sector of business community, e.g., restaurants, to achieve SR.	<input type="checkbox"/> Yes	<input type="checkbox"/> No
21. Conducted a SR training session, workshop, or presentation at a business, institutional or community event.	<input type="checkbox"/> Yes	<input type="checkbox"/> No
22. Developed/maintained a home food* composting bin distribution program for county residents.	<input type="checkbox"/> Yes	<input type="checkbox"/> No
23. Conducted workshops demonstrating proper food* composting techniques.	<input type="checkbox"/> Yes	<input type="checkbox"/> No
24. Developed/maintained permanent food* composting demonstration sites.	<input type="checkbox"/> Yes	<input type="checkbox"/> No
25. Operated a program to promote pallet reuse.	<input type="checkbox"/> Yes	<input type="checkbox"/> No
26. Within the past three years , conducted SR site visits to 3 or more of the businesses in the county with the most employees or the highest waste generation.	<input type="checkbox"/> Yes	<input type="checkbox"/> No
27. Within the past three years , conducted SR site visits to 15 or more of the businesses in the county with the most employees or the highest waste generation.	<input type="checkbox"/> Yes	<input type="checkbox"/> No
28. Within the past three years , conducted SR site visits to 30 or more of the businesses in the county with the most employees or the highest waste generation.	<input type="checkbox"/> Yes	<input type="checkbox"/> No
29. Within the past three years , conducted a SR waste audit or survey of county facilities where at least 10 percent of county employees worked.	<input type="checkbox"/> Yes	<input type="checkbox"/> No
OTHER INITIATIVES (CHECK ALL THAT APPLY.)		
30. Collaborated on a multi-county SR event or program.	<input type="checkbox"/> Yes	<input type="checkbox"/> No
31. Established/maintained a county procurement policy advancing the purchase of materials that result in reduced waste generation.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
32. Incorporated green building goals/requirements in county construction, remodeling, and maintenance bid specs and contracts.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
33. Held team meetings, at least quarterly, that included representatives from major county departments, in which SR was discussed as a formal part of the agenda.	<input type="checkbox"/> Yes	<input type="checkbox"/> No
34. Implemented a variable rate pricing system designed to promote SR.	<input type="checkbox"/> Yes	<input type="checkbox"/> No

***Refers to food waste composting activities only.**

Documentation:

In order to promote information sharing around the state and to document SR efforts, please provide copies of materials (promotional materials, policy guidelines, etc.) associated with any "yes" responses on the SR checklists. If your county provided materials in a previous year that are the same or essentially unchanged, simply identify them as such and do not provide them.

I certify, to the best of my knowledge, that the information provided on this form is accurate and that the documentation requested has been provided. Additional documentation will be made available to MDE for auditing purposes, if requested.

Charles M. Reighart
 Signature Recycling & Waste Prevention Manager Title
Charles M. Reighart 6/26/08
 Print Name Baltimore County County Date

Supporting Documents for Baltimore County's Source Reduction Credit Report (Year 2007)

Unless otherwise indicated, supporting materials for the following items were provided previously.

Part 1 - Yard Trimmings Source Reduction Credit Checklist

1. The following are examples of our ongoing, multi-faceted, public education program promoting grasscycling and/or home composting of yard trimmings during the year 2007:
 - a. Mailings/Handouts -
 - "Your Guide to Baltimore County's Trash & Recycling Program" (includes a full page on grasscycling and home composting)
 - Cooperative Extension Leaflet 245 on home composting
 - "Why Bag Your Grass? Cut It High and Let it Lie!" (adapted and reprinted with permission from Ramsey County, Minnesota Public Health Department)
 - b. Compost Bin Sale - Residents purchased 834 bins for \$35 each at an April 2007 bin sale.
2. On April 13, 2007 the Bureau placed a composting ad in The Baltimore Examiner which reached approximately 92,000 households in Baltimore County. (30% of 245,000 county single family homes and town homes = 73,500) The ad included information on the benefits of composting and promotion of home composting. (See attached ad).

Part 2 - General Source Reduction Credit Checklist

1. In October 2007, the Bureau staffed a source reduction display at the Maryland Home and Garden Show in Timonium, Maryland. The Bureau borrowed the display from the Maryland Department of the Environment.

3. During 2007 the Bureau incorporated source reduction on its web site (www.baltimorecountyonline.info/recycling) in the following ways:

Online 2005 and 2007 Baltimore County Reuse Directory: Lists a variety of organizations that accept many different items for the purpose of reusing them.

Grasscycling Brochure: "Why Bag Your Grass? Cut It High & Let It Lie!" promotes source reduction through practical lawn care that encourages residents not to bag their grass clippings.

Home Composting Information/Home Compost Bin Construction Manual: Provides tips for home composting and offers instructions on how to build a home compost bin.

Vermicomposting Information: Provides guidance on using worm bins to compost food residuals.

Online Newsletter (The Re-Source): the Bureau's quarterly newsletter emphasizing waste prevention and recycling.

Waste Prevention Links: the Bureau's home page offers residents interested in waste prevention links to other web sites containing waste prevention information, such as how to "Stop Junk Mail," "Use Less Stuff," etc.

4. In 2007, Public Information Specialists from our Bureau visited 18 schools in Baltimore County to give 19 recycling and solid waste management presentations. These presentations reached a total of 1,700 students. Source reduction information and ideas for how students and their families can reduce the amount of waste that they produce were included in the presentations.

6. The December 2007 issue of the Bureau's recycling and waste prevention newsletter (19,000 recipients) featured a story "Waste Prevention and You" about Baltimore County residents' waste prevention success and tips. These tips and ideas came directly from a survey that was sent to Baltimore County's e-mail club (9,000 recipients) in August - September 2007. (See attached article).

7. In the September 2007 edition of The Re-Source Newsletter (19,000 recipients), the Bureau featured an article "Leading The Way In Grocery Store Waste Reduction" about Whole Foods Markets' green initiatives, which included recycling, composting, and waste prevention. (See attached article).

8. In 2007, the Bureau utilized the employee intranet (BC Net) to post waste reduction tips and facts. New information was posted quarterly to include all aspects of waste reduction including tips for home, work, and play.

10. On April 18, 2007, the Bureau placed a "Reduce, Reuse, Recycle" ad in The Baltimore Examiner. (See attached ad).

11. On June 27 & 28, 2007 the Bureau placed an ad titled "Trim Your Waste This Summer" in the Patuxent papers. The ad reached approximately 295,000 residents (800,000 total residents x30% = 240,000). (See attached ad).

12. In November 2007, the Bureau ran a large business waste prevention ad ("Waste Prevention: It Just Makes Good Business Sense") in The Baltimore Business Journal. (See attached ad).

13. Baltimore County Reuse Directory (updated July 2007).

14. In August - September 2007, the Bureau sent out an electronic survey (9,000 recipients) asking residents about their waste reduction participation and assistance needs. (See attached survey).

15. In December 2005, Baltimore County surveyed approximately 100 Baltimore County businesses regarding their source reduction activities.

16. During 2007 the Bureau's customer service staff used the 2005 and 2007 Reuse Directory to provide referrals.

17. Baltimore County established a permanent electronics collection site at the Baltimore County Resource Recovery Facility (BCRRF) in September 2006. During January - December 2007 approximately 1,113,320 pounds of household electronics were dropped off at that site. These electronics were picked up by Supreme Computer & Electronics Recycling, Inc. (Supreme) and taken to their headquarters in Lakewood, New Jersey. Supreme estimates that about half of its electronics recovery business involves reuse, while the other half involves recycling. Accordingly, Baltimore County estimates that about 556,660 pounds of reusable household electronics were accepted at BCRRF in 2007 and delivered to a reuse center (Supreme's headquarters in Lakewood, New Jersey).

31. The following documents reflect Baltimore County's procurement policy advancing the purchase of materials that result in reduced waste generation:

- a. Baltimore County Code Section 15-90.1
- b. February 18, 1992 Executive Order

32. Baltimore County is currently building or remodeling three county buildings in accordance with LEEDS standards. The buildings are 10 Dunmanway in Dundalk, the Perry Hall Library and the Randallstown Community Center. Dunmanway and Randallstown will be certified LEEDS buildings while the Perry Hall Library will be a silver certified LEEDS building. All three will focus on energy efficiency, using natural and recycled materials and construction waste management in addition to sustainability, efficiency and environmental quality. All projects are in excess of \$8 million. (See attached project checklist standards)

ers respond ange threat

Population growth is another phenomenon that scientists say will affect environmental issues down the road, and is the reason the initiative was brought to the table now.

Arlington County leaders predict an influx of more than 2 million people to the National Capital Region in the next 25 years, which presents "a huge challenge" to the environment, Freudberg said.

The forward-looking vote coincidentally fell on the council's 50th anniversary, a "fitting time to take action when looking back at the last 50 years, to look ahead at the next 50," Robertson said.

The initiative will not result in additional staff or funds, but combines current similar committee efforts.

Once formed, the committee will make recommendations, including a reduction goal for the amount of greenhouse gas emissions produced in the region.

The effort follows the touted "greenest" Maryland General Assembly in recent memory, which by its end Monday adopted green legislation, including a clean cars bill echoing California's strict emission standards. - *Capital News Service*

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Support for your ill baby

The March of Dimes chose Franklin Square Hospital Center this week to implement a Neonatal Intensive Care Unit Family Support program. The program provides information and comfort to families of premature babies and other critically ill newborns that are cared for at Franklin Square.

"Preparing for a new baby is a time of great excitement," said Michael Forthman, chair of the March of Dimes Central Maryland board of directors. "Families don't expect anything to go wrong, but about 1 in 10 newborns wind up in a NICU

because they are born too soon, too small or with a birth defect."

In 2005, Maryland reported, more than 74,000 babies were born in the state. More than 8,400 were premature, and most of them stayed in a NICU for hours and even months. Franklin Square Hospital Center admits about 350 newborns into the NICU each year, according to a company release. - *Karl B. Hille*

Take care with lawn mowers

When spring-like weather returns next weekend, Marylanders should take precautions before revving up their lawn mowers.

Lawn mower accidents send 9,400 children to the hospital annually, according to the Johns Hopkins Children's Center, where the most severe pediatric injuries in the state are treated.

Accidents involving lawn mowers often result in amputations of the fingers, hands, toes, feet and legs.

Experts remind consumers the lawn mower is a potentially dangerous machine.

"You don't let a child play with an electric saw, and that's exactly what a lawn mower is," said Carol Gentry, pediatric operating room nurse manager at Johns Hopkins. - *Danielle Ulman*

TRUCKLOAD COMPOST BIN SALE SATURDAY, APRIL 14, 2007

9AM-3PM

One Day Only - Once this Year
Rain or Shine



Composting is the process by which organic material (grass, leaves, bush trimmings, etc.) decompose into a rich soil enhancing material called humus.

When this material is mixed with the soil in your gardens or on your lawn, it returns nutrients such as phosphorus, potassium, nitrogen, and many trace minerals that are beneficial for plant health and growth. It reduces the need for additional fertilization, lessening nutrient run-off harmful to the Chesapeake Bay. Using compost also helps increase water retention in sandy soils and aids drainage in heavy and clay soils.

So what better way to celebrate Earth Day early than to start composting and using nature's own process to help you improve your yard and the environment?

CONVENIENT CENTRAL LOCATION
CARVER CENTER FOR ARTS & TECHNOLOGY IN TOWSON
938 YORK ROAD
TRAFFIC LIGHT AT YORK ROAD & FAIRMOUNT AVENUE
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CALL 410-887-2000 FOR INFORMATION OR VISIT WWW.BALTIMORECOUNTYMD.GOV/RECYCLING

Congratulations to The Examiner on its One Year Anniversary!

Hosted by **The Baltimore County Bureau of Solid Waste Management**
County Executive Jim Smith and The Baltimore County Council

Did You Know?

Approximately 26% of glass bottles produced in the United States contain recycled content.

On average, glass bottles weigh 50% less than they did in 1970.

Some of the glass bottles collected for recycling in the United States are crushed and used in abrasives, "glasphalt" for roads, and reflective paint.

Source: Waste Age, August 2007

Solid Waste Management in the 21st Century

Managing Trash and Recycling Collection Routes with New Technology

One of the key functions of the Bureau of Solid Waste Management's Collections Division is creating and managing the trash and recycling collection routes. It is critical for the Bureau to keep track of each street and each house on every collection route. This ensures that trash and recyclables are collected each week and that the 47 private haulers handling collection are properly compensated.

Until recently, route management required Bureau employees to conduct periodic audits of the County, which involved literally driving down every street on each route and counting the number of houses requiring trash and recycling collection service. Fortunately, new advances in technology are becoming increasingly available, and the Bureau is taking full advantage!

Using Baltimore County's geographic information system (GIS), the Bureau is taking collection route management to a whole new level. With the ArcMap 9.2 GIS software, Bureau employees can map routes and count houses on their computer screens, vastly reducing the amount of time spent on the street.

Steve Makowski, an Engineering Associate in the Collections Division, is heading up the Bureau's implementation of the GIS technology. According to Steve, the Bureau is just scratching the surface of ways GIS could be beneficial. Once the system is fully implemented, Steve said an employee will be able to pull up trash and recycling collection information on every single-family and town home, apartment complex, church, and County facility with a few simple clicks of the mouse.

Furthermore, Steve said ArcMap 9.2 can generate maps of specific collection

routes and neighborhoods (and even the entire County!), which can be customized to highlight anything that might affect collection efficiency, ranging from bridges to waterways to new road construction.



Although the new technology simplifies many aspects of route management, keeping the records in the system up-to-date still requires a great deal of work. Each new housing development built in the County must be added to the database, and all demolished homes must be removed. Using information provided by the Department of Permits and Development Management, the Bureau makes every effort to stay on top of the ever-changing "streetscape" in Baltimore County.

In the future, each of the Bureau's Collections Supervisors will be able to access all of the information provided by the GIS technology via laptop computers and wireless modems. This will be a great resource available to the supervisors as they work out in the field.

As new GIS technology is developed, the Bureau will continue to look for ways it can benefit the residents of Baltimore County through increased efficiency and improved customer service. ■

Waste Prevention and You

Helpful Tips From Baltimore County Residents

Engaging in waste prevention activities is a great way for residents to have a real impact on the environment. The United States Environmental Protection Agency (EPA) defines waste

BY PRACTICING WASTE PREVENTION, RESIDENTS CAN REDUCE POLLUTION AND INCREASE COST-EFFECTIVENESS

prevention as "altering the design, manufacture, purchase, or use of products and materials to reduce the amount and toxicity of what gets thrown away" (EPA, 2007). By practicing

waste prevention, residents can reduce pollution and increase the cost-effectiveness of the County's trash and recycling collection program.

Recently, Baltimore County's Bureau of Solid Waste Management sent a survey to residents in our e-mail club asking about their waste prevention and reuse habits. Approximately 1,200 responses came back! More than 300 residents shared their own tips about waste prevention activities they successfully engage in. Below are some of their tips that you can use to help cut down on the waste in your home, conserve natural resources, and extend the life of the County's only active landfill (already half full).

[See Waste Prevention, pg. 3]

**BE SURE TO VISIT
BALTIMORE COUNTY'S
WEB PAGE
@
WWW.
BALTIMORECOUNTYMD.
GOV**

Waste Prevention

[Waste Prevention and You from pg. 2]

IN YOUR HOUSEHOLD

Many residents reported that since the County no longer offers bulk pickup, they have turned to www.freecycle.com. This free website gives users the opportunity to swap large items, including furniture and appliances, with others in their area. Keeping these large items out of the waste stream can help to preserve our landfill.

To reduce paper waste, Baltimore County residents have eliminated the amount of junk mail they receive by calling companies that are sending the mail and requesting to be removed from mailing lists. In addition, requesting online newspaper subscriptions and electronic bills can help reduce the amount of paper that is generated. Whenever possible, opt to borrow books from the library rather than purchasing them for a one-time read. If you do choose to purchase a book, share it with friends and family members to get more use from it.

In the kitchen, choose plastic or metal washable plates and utensils. Using cloth napkins will also keep down the amount of waste that is created. Washing and reusing carryout food containers, water bottles, and resealable plastic bags will cut down trash and save money! It is also important to remember to purchase products with reduced, reusable, or recyclable packaging whenever possible.

REDUCING YOUR ENERGY USE

Cutting down on energy use can help the earth and your wallet. Conserve energy

[See Waste Prevention, pg. 4]

Collectors Meet

Semi-Annual Trash/Recycling Hauler's Meeting

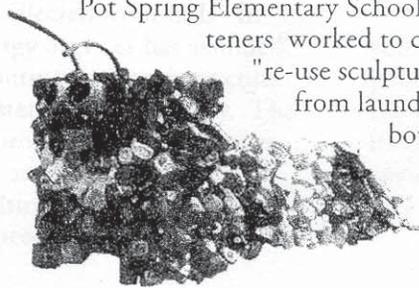
Twice a year, representatives from the Bureau of Solid Waste Management hold a meeting with representatives from the 47 private collectors who handle all of Baltimore



County's trash and recycling collection. The most recent collectors' meeting occurred Wednesday, November 14.

Typical topics at these meetings include safety issues, policy clarifications and changes, and updates on County activities and initiatives. At the end of every meeting, the floor is opened up for a question and answer session. These meetings serve as an important communication tool for both the Bureau and the 47 private collectors. ■

Pot Spring Elementary School Kindergarteners worked to create this "re-use sculpture" made from laundry detergent bottles they brought from home. ■



Upcoming Events:

Feb 29 - Mar 2,
Mar 7-8 '08
Maryland Home
& Garden Show
Timonium Fair-
grounds

We are interested in hearing about your event.

Contact

Clyde Trombetti at 410-887-2791 or Recycle@baltimore-county.md.gov to discuss having our exhibit at your event.

ON the NET

During the holiday season, many people will purchase and, ultimately, look for ways to safely manage unwanted batteries.

Check out these web sites for more information on battery recycling:
www.rbrc.org
www.inmetco.com/services_battery.htm
www.mdrecycles.org/recyclingDirectory.asp?sec=batteries

To receive a full color copy of *The Re-Source* by e-mail instead of a printed copy, please send us an e-mail at recycle@baltimorecountymd.gov. You can also access past issues of *The Re-Source* by visiting our web page at www.baltimorecountymd.gov/recycling

RESPONSE FORM

(Please Print)

Name: _____

Street: _____

City: _____

State: _____ Zip: _____

Phone: _____

Comments or Questions: _____

Please send me the following publications:

- Baltimore County Reuse Directory (2007 edition)
- Grasscycling Information
- Guide to Baltimore County's Trash/Recycling Program
- Home Composting Information

Please contact me about a:

- community group presentation
- school presentation

Return to: Department of Public Works - Bureau of Solid Waste Management
111 W. Chesapeake Ave., Rm. 225, Towson, MD 21204-4603 or fax to 410-887-2931

Baltimore County Recycling Drop-Off Centers

Baltimore County Resource Recovery Facility (Cockeysville)
Mon-Sat, 7:00 - 4:00

Eastern Sanitary Landfill & Solid Waste Management Facility (White Marsh)
Mon-Sat, 7:30 - 5:30

Northwest Area Recycling Center (Randallstown)
Recyclables Only
Mon-Sun, 7:00 - 4:00

Western Acceptance Facility (Halethorpe)
Mon-Sat, 7:00 - 4:00

For directions and materials accepted, call 410-887-2000.

For the proper recycling or disposal of household hazardous waste, call the Department of Environmental Protection & Resource Management at 410-887-3745.



Baltimore County Recycles!

Baltimore County
Dept. of Public Works
Bureau of Solid Waste Mgt.
111 W. Chesapeake Ave.
Towson, MD 21204
Tel: 410-887-2000
Fax: 410-887-2931
www.
baltimorecountymd.gov/recycling

The Re-Source

ESL Gas-to-Energy

[Landfill-Gas-to-Energy from pg. 1]

In 2006, Baltimore County, in conjunction with Pepco Energy Services, opened a \$6 million facility at ESL. This facility extracts methane gas from the landfill through

PEPCO ENERGY SERVICES IS THE FIRST COMPANY IN MARYLAND TO RECEIVE THIS TAX CREDIT

a series of pipes and wells and then converts the gas into electrical energy. Before this facility was opened, methane gas produced at ESL was burned off in an enclosed flare.

Enacted in 2006, the Maryland Clean Energy Production Tax Credit Program offers Marylanders a state income tax credit as an incentive to develop qualified methods for producing clean energy. Pepco Energy Services is the first company in Maryland to receive this tax credit.

In 2002, Baltimore County entered into a 20-year contract through which Pepco Energy Services paid \$60,000 initially, \$42,850 per year for four years, and is paying \$31,000 per year thereafter for the rights to the methane gas collected from ESL. In addition, Pepco Energy Services has assumed the operating and routine maintenance costs of the landfill gas system for the County. The methane-to-energy project at ESL continues to be a cost-effective and environmentally beneficial part of Baltimore County's solid waste management program. ■

Waste Prevention

[Waste Prevention from pg. 3]

by using electricity at off hours and turning off lights and televisions when not in use. If building a new house or remodeling your current home, consider installing solar panels on the roof. These panels can help retrieve hundreds of kilowatt-hours and trim your energy bill.

When you are away from home for extended periods of time, readjust your thermostat higher in the summer, and lower in the winter. This will prevent your heating and cooling system from running while you are not home. Cut down on using the dryer by installing a clothesline outside and drying your laundry on it.

OUTDOOR CONSERVATION

Reduce the amount of waste you are putting at your curbside by composting, grasscycling, and leafcycling. Composting yard materials and trimmings will yield great homemade fertilizer and soil. When cutting your lawn, let the trimmings lie rather than raking or bagging them. Likewise, mulch your fallen leaves with your lawnmower rather than raking them. Grass clippings and mulched leaves can actually help to fertilize your lawn and reduce the amount of work you have to do!

By implementing these simple tips into your everyday activities, you can help to reduce pollution and costs, and conserve landfill space. Do your part by sharing this information with friends and family so that they too can help the environment, before long you'll be writing your own waste prevention success story! ■

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DID YOU KNOW?

According to Scholastic, Inc., all of the 16,700 tons of paper used in the first U.S. printing of Harry Potter and the Deathly Hallows contain at least 30 percent post-consumer waste. This represents the largest purchase of paper containing post-consumer waste to be used in the printing of a single book title!

Source:
www.cnsnews.com

Approximately 208.5 pounds of corrugated cardboard is generated per person each year in the United States. Fortunately, this material is one of the most recycled, with 25.2 million tons recycled in 2006!

Source:
Waste Age, June 2007

BE SURE TO VISIT
BALTIMORE COUNTY'S
WEB PAGE
@
WWW.
BALTIMORECOUNTYMD.GOV

The Re-Source

Waste Reduction at Grocery Stores

Whole Foods Markets Lead the Way

Have you ever wondered what happens to all of the food that grocery stores are unable to sell? At Whole Foods Markets, an organic grocery store chain, much of this material is being diverted from landfills in an effort to reduce waste and clean up the environment.

Whole Foods, based out of Texas, currently operates nearly 200 stores throughout the United States and United Kingdom. The closest stores to Baltimore County are in Baltimore City (Mount Washington and Harbor East). In an interview for this article, Mark Smallwood, Whole Foods Green Specialist for the mid-Atlantic Region, emphasized he takes a proactive approach to

**"WE ARE CURRENTLY DIVERTING 70%
OF OUR WASTE FROM LANDFILLS
THROUGH RECYCLING, COMPOSTING,
AND DONATING."**

earth-friendly initiatives.

"We are currently diverting 70% of our waste from landfills through recycling, composting and donating," Smallwood explained. "Cardboard, wood pallets, metal, paper and bottles & cans are recycled. Food that is not sold in stores is donated to shelters and farmers, or composted."

More than half of all Whole Foods stores participate in a fast-growing composting program. Spoiled produce and other biodegradable material is being diverted from landfills and instead sent to facilities for composting.

In stores, containers for bottle & can

recycling are maintained in dining areas along with collection sites for batteries, cell phones and printer cartridges. In addition, carryout food boxes in the dining areas are fully compostable.

Smallwood has also worked to promote recycling at Whole Foods' headquarters. "Trash cans are not allowed at employees' individual workstations," he says. "There are common areas where we place recycling, composting, and trash containers. By doing this, employees have more awareness of what they are throwing away and how much trash they are generating. Over time, people have started to realize this and are now reusing, reducing, and trashing less."

Recently, Whole Foods began using compact fluorescent bulbs in stores, contributing to being named a 2006 Green Power Partner of the Year by the Environmental Protection Agency. In addition, Whole Foods is striving to eliminate the use of chemical cleaning products and replace them with more environmentally friendly products.

Whole Foods is also working on some new initiatives, Smallwood said. All stores are being evaluated against Leadership in Energy and Environmental Design (LEED) standards, and energy audits will begin taking place in the next few months.

As Whole Foods grows, Smallwood says he will continue to look for ways to improve green initiatives while keeping the company philosophy in mind: "Whole Foods, Whole People, Whole Planet." ■



BEFORE THROWING AWAY YOUR UNWANTED ITEMS, CHECK THIS OUT!

Baltimore County's 2007 Reuse Directory is now available. Over 50 local organizations are willing to accept your old items, including furniture, clothing, appliances and more!

To request a copy please e-mail us at recycle@baltimorecountymd.gov or call 410-887-2000. The directory can also be found online at www.baltimorecountymd.gov/recycling

**REUSE
DIRECTORY**

Trim Your Waste This Summer

It's as easy as setting your table

While preparing your picnic or backyard barbeque keep these helpful tips in mind. By reducing how much waste you produce, there is less material to handle. This means less cost, less pollution, and longer landfill life.

- Instead of disposable items, purchase inexpensive reusable plates, cups, utensils and tablecloths.
- Use refillable beverage dispensers for water instead of individual water bottles. This will save money and reduce waste!
- Tag/write names on disposable cups to identify them and avoid waste.
- Plan ahead and be realistic - don't buy/prepare/cook more food than you think you will need.

Remember to REDUCE, REUSE and RECYCLE at home, work and play!

* Posted July 13, 2007

rediscover

Green

Spring Cleaning



Floors

Windows

reduce, reuse, recycle

turn your old stuff into
someone else's new stuff!



For a copy of our **Reuse Directory**, visit www.baltimorecountymd.gov/recycling or contact the Bureau of Solid Waste Management at 410.887.2000

Courtesy Executive Jim Smith and the Baltimore County Council
Baltimore County Department of Public Works, Bureau of Solid Waste Management



The Examiner

Wednesday, April 18, 2007

Page Two #10

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For more information call 410-887-2000 or visit
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Baltimore County Department of Public Works
Bureau of Solid Waste Management
County Executive Jim Smith and the Baltimore County Council



As gains allow Grace, absorb U.S. declines

RACHEL SAMS | STAFF
rsams@bizjournals.com

Baltimore's largest Black & Decker Co. and have been struggling in the housing market

giants have the edge on them up. Black & Decker earnings last week,

FAST STATS

64

percent of W.R. Grace's sales from overseas during the first nine months of 2007.

36

percent of Black & Decker sales from overseas in 2006.

Source: Securities and Exchange Commission documents

which makes fast gains in assembly demand in China, Young said.

Construction market, "the non-U.S. market has carried us through," CFO Robert Taro-

es like China and the flow of money on the continent, which benefits selling durable

goods in those markets, said Peter Morici, an international economics expert at the University of Maryland's Robert H. Smith School of Business. Other American giants like Caterpillar, General Electric and General Motors are also reaping the benefits of China's growth, he said.

"A lot of American manufacturers are profiting greatly from growth in China and elsewhere in Asia," Morici said.

In 2006, 36 percent of Black & Decker's sales came from outside the U.S., Young said. In the first nine months of 2007, just under two-thirds of chemicals giant Grace's sales came from outside North America, according to the company's third-quarter earnings release.

Officials with both Grace and Black & Decker have said they expect the weakness in the housing market to continue through much of 2008. Grace's performance chemicals division makes roofing, flashing and other products used in residential construction, so the housing downturn affects the company, though most of Grace's U.S. construction business comes from the commercial market.

Grace saw higher third-quarter sales in all the major regions it serves except North America; in Latin America, sales surged by more than a third.

At Black & Decker, the U.S. power tool business has suffered from the housing decline. Its hardware and home improvement business has struggled too, though it posted stronger results for the third quarter. In Europe, Black & Decker's power tool business posted its strongest organic sales growth in years, and results in Asia and Latin America also surged for the quarter.

International results have helped Black & Decker overcome domestic weakness even beyond the housing market. The fastening and assembly systems segment's customers include the automotive industry, and global strength there has helped offset slow sales to U.S. automakers for much of this year, Young said.

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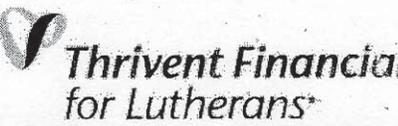
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WASTE PREVENTION: IT JUST MAKES GOOD BUSINESS SENSE

Reduce your waste at work:

- Make double-sided copies
- Reuse packing materials
- Make scratch pads from used paper
- Return, reuse, and repair wooden pallets and crates
- Reuse office supplies, such as file folders and envelopes
- Circulate a single copy of memos and reports, post them in a central location, or distribute them through e-mail



MAKE WASTE PREVENTION A PRIORITY!



County Executive Jim Smith and The Baltimore County Council
Baltimore County Department of Public Works
Bureau of Solid Waste Management
410-887-2000
www.baltimorecountymd.gov/recycling

As they take opposing sides in a heated reporting debate

SUE SCHULTZ | STAFF
sschultz@bizjournals.com

debate among the media over the

to existing businesses and could make Maryland less attractive to companies looking to relocate.

Paul Nolan, a McCormick & Co. Inc. vice president, told legislators that a



No Compromises.

...and performance. Refined, yet

BALTIMORE COUNTY, MARYLAND

Waste Prevention Survey

By practicing waste prevention (reducing what we throw away, and/or reusing what we have), our environment benefits even more than by just recycling. If we try to avoid making waste in the first place, we don't have to worry about disposing of it or recycling it. There are many ways we can practice waste prevention where we live, work, and play.

We want to gain a better understanding of how residents are preventing waste. Please take a moment to fill out this short survey, and then select the "Send Form" button at the bottom of the page to electronically send your form to the Baltimore County Bureau of Solid Waste Management.

Waste Prevention Tips

For more waste prevention tips, please visit the Baltimore County Bureau of Solid Waste Management web site at www.baltimorecountymd.gov/recycling. Also, be sure to check out our [2007 Reuse Directory \(PDF\)](#).



(Need PDF help?)

Name:

E-mail Address:

Zip Code:

Do you purchase or use:

Recycled paper and materials?: [Yes] [No]

Products or items in bulk or economy sized packaging?: [Yes] [No]

Refillable bottles of detergent, soap, fabric softener, etc?: [Yes] [No]

Washable cloth towels instead of paper towels?: [Yes] [No]

High-mileage tires (over 50,000 miles)?: [Yes] [No]

Re-useable coffee mugs or drink cups?: [Yes] [No]

Do you donate:

Clothing?: [Yes] [No]

Food?: [Yes] [No]

Furniture?: [Yes] [No]

Appliances?: [Yes] [No]

Electronics?: [Yes] [No]

Baby Items?: [Yes] [No]

Books?: [Yes] [No]

Toys?: [Yes] [No]

Vehicles?: [Yes] [No]

Do you re-use:

Scrap paper for notes and messages?: [Yes] [No]

Glass jars for storage?: [Yes] [No]

Plastic jugs and tubs?: [Yes] [No]

Coffee tins and other metal containers?: [Yes] [No]

Lumber, nails, and hardware?: [Yes] [No]

Greeting cards for scrap booking or art?: [Yes] [No]

Bubble wrap: [Yes] [No]

Styrofoam® peanuts?: [Yes] [No]

Cardboard boxes?: [Yes] [No]

If you don't mind possibly being contacted for more information (for example, being the subject of a residential waste prevention newsletter article), please fill out your name and e-mail address at the top of this form.

Is there anything not listed above that you do in your home that you would like to share?:

Form area for sharing home practices, including radio buttons for Yes/No.

Is there anything Baltimore County can do to help you and your family with waste prevention?:

Form area for suggestions on waste prevention, including radio buttons for Yes/No.

Send Form

Fields marked with "«" are required.

**Appendix B: Baltimore County Solid Waste/Recycling Survey Results
(Northeast Maryland Waste Disposal Authority - November 2006)**

Baltimore County residents surveyed: 223

Margin of Error: +/- 6.6% (95% confidence level)

Questions followed by "BC" were asked only of Baltimore County residents. All other questions were asked in each of the eight participating Northeast Authority jurisdictions.

Please note the numbering system used here is to make it easier to reference specific questions and does not reflect the order in which the questions were asked.

I am now going to read you a list of statements. For each statement, I would like you to give me a number between 1 and 6, where "1" is "strongly disagree" and "6" is "strongly agree"	1 (strongly disagree)	2	3	4	5	6 (strongly agree)	Don't Know or N/A
A1. I am uncertain whether recycling helps the environment	46%	10%	9%	6%	10%	14%	5%
A2. Information provided by the County makes it easy to know what can be recycled	12%	6%	10%	11%	14%	41%	6%
A3. Individual recycling efforts don't really make a difference	52%	14%	10%	5%	7%	10%	2%
A4. I would prefer a larger recycling container	16%	4%	8%	7%	9%	35%	21%
A5. Storing recyclables creates odors and attracts flies	44%	15%	10%	10%	5%	11%	5%
A6. I would prefer a recycling container that could be rolled to the curb	12%	3%	5%	8%	11%	52%	9%
A7. The recycling collection schedule is difficult to follow	60%	9%	6%	5%	4%	12%	4%
A8. It is convenient for our household to recycle	9%	4%	12%	11%	15%	48%	1%
A9. It was easy to find a convenient location to store the recyclables	14%	11%	14%	13%	12%	34%	2%
A10. Frequency of recycling collection is satisfactory	11%	9%	9%	9%	17%	44%	1%
A11. I would recycle more if I knew the types of products that are made from my recyclables	25%	10%	15%	9%	11%	28%	2%
A12. My neighbors expect our household to recycle	30%	10%	12%	8%	7%	14%	19%

**Appendix B: Baltimore County Solid Waste/Recycling Survey Results
(Northeast Maryland Waste Disposal Authority - November 2006)**

I am now going to read you a list of statements. For each statement, I would like you to give me a number between 1 and 6, where "1" is "strongly disagree" and "6" is "strongly agree"	1 (strongly disagree)	2	3	4	5	6 (strongly agree)	Don't Know or N/A
A13. My family expects our household to recycle	13%	4%	13%	8%	12%	46%	4%
A14. I would prefer a recycling container with a lid	10%	4%	10%	5%	9%	58%	4%
A15. Landfill space is a problem in our county	9%	3%	9%	9%	10%	30%	30%
A16. Facilities that convert trash to energy, which produce very low emissions, are better than sending trash to landfills	2%	1%	9%	7%	11%	65%	5%
A17. I believe collected recyclables are really being recycled	4%	5%	17%	11%	18%	43%	2%
A18. I believe recycling reduces trash collection costs	8%	10%	13%	9%	12%	41%	7%
A19. I recycle because it reduces the amount of garbage in my trash can	23%	12%	11%	5%	9%	36%	4%
A20. I basically recycle out of habit only	33%	20%	10%	4%	10%	19%	4%
A21. I believe in recycling	2%	1%	5%	4%	9%	78%	1%
A22. Trash and recycling collection service is satisfactory (BC)	7%	2%	9%	9%	21%	49%	3%
A23. Recycling is not cost-effective (BC)	42%	13%	17%	4%	4%	10%	10%
A24. Receiving trash and recycling schedules and guides is important (BC)	3%	4%	0%	4%	13%	74%	2%
A25. I would prefer to have all of my recycling (paper, bottles, and cans) picked up every week instead of paper one week and bottles and cans the next week (BC)	9%	5%	11%	6%	10%	53%	6%

**Appendix B: Baltimore County Solid Waste/Recycling Survey Results
(Northeast Maryland Waste Disposal Authority - November 2006)**

I am now going to read you a list of statements. For each statement, I would like you to give me a number between 1 and 6, where "1" is "strongly disagree" and "6" is "strongly agree"							
	1 (strongly disagree)	2	3	4	5	6 (strongly agree)	Don't Know or N/A
A26. I would prefer to be able to mix all of my paper, bottles and cans together for recycling pick-up (BC)	24%	8%	13%	6%	5%	39%	5%

	I'm uncertain whether the items would really be recycled	Storage may be an issue	I'm not really sure how it works	I'm concerned there would be too much waste created by the new process	Keeping paper separate from bottles and cans is not a problem for me	None of the above
A26.a. I do not strongly favor mixing paper, bottles, and cans together because: (BC)	20%	16%	18%	25%	64%	10%

This question was asked only of those residents (101 of 223) who responded negatively to the previous question. Percentages add up to 153% because residents were allowed to give multiple answers to this question.

Question	Yes	No	Don't Know
B1. Do you remember receiving information this year regarding curbside recycling?	31%	62%	7%
B1.a. Do you still have this information?	80%	17%	3%

Question B1.a. was asked only of those residents (69 of 223) who responded affirmatively to question B1.

**Appendix B: Baltimore County Solid Waste/Recycling Survey Results
(Northeast Maryland Waste Disposal Authority - November 2006)**

On a scale of 1 to 6, where "1" is "not at all" and "6" is "all the time," answer the following questions.	1 (not at all)	2	3	4	5	6 (all the time)	Don't Know or N/A
B2.a. How often do you refer to this information [regarding curbside recycling] when you have a question about what can be recycled? (BC)	11%	9%	11%	4%	15%	47%	3%

On a scale of 1 to 6, where "1" is "not at all" and "6" is "all the time," answer the following questions.	1 (not at all)	2	3	4	5	6 (all the time)	Don't Know or N/A
C1. When you receive an envelope with the county seal on it, how often do you open and read it? (BC)	2%	1%	7%	3%	7%	77%	3%

	No distance at all	Less than 5 miles	5 - 9 miles	10 - 14 miles	15 - 19 miles	20 - 25 miles	More than 25 miles
D1. How far would you drive to drop off an old computer or TV for recycling? (BC)	16%	23%	29%	18%	7%	4%	3%

Appendix C: Summary of Public Hearing Testimony

The following is a summary of testimony, both oral and written, pertaining to the January 2008 draft of Baltimore County's Ten Year Solid Waste Management Plan. This draft was published on January 2, 2008. The Department of Public Works, Bureau of Solid Waste Management, held a public hearing on February 21, 2008. Written comments were accepted through March 28, 2008, in accordance with Baltimore County's Public Participation Plan. This summary is organized by topic.

Multi-Family Recycling

The Department received oral and written testimony on the topic of multi-family recycling. The Baltimore County League of Women Voters (LWV) testified that residents living in many multi-family dwellings have a strong desire to recycle and have applied pressure to property managers to implement recycling collection. The LWV also stated that the County should consider providing property managers incentives to recycle such as recycling containers and/or signage. Additionally, the Baltimore County Commission on Environmental Quality (CEQ) stated that many residents living in multi-family dwellings do not have easy access to recycling and, therefore, this is causing them to dispose of recyclable material as trash. According to CEQ's testimony, this is using landfill space and costing the County money.

Commercial/Institutional Recycling

The Department received oral and written testimony on the topic of commercial/ institutional recycling. The LWV, CEQ, and one resident gave testimony stating that many different types of businesses and institutions should be encouraged to begin recycling programs. Examples in the testimony include: schools (both independent and public), colleges and universities, government buildings, and hospitals. CEQ stated in their testimony that the County should make the recycling status of commercial/institutional enterprises public and should aid these enterprises in beginning and maintaining recycling programs.

Electronics Reuse/Recycling

The CEQ's written testimony offered support for the recommendation in the Ten Year Plan draft to add electronics recycling drop-off centers at both Eastern Sanitary Landfill Solid Waste Management Facility (ESL) in White Marsh and Western Acceptance Facility (WAF) in Halethorpe.

Environmental Protection Agency (EPA) Solid Waste Management Hierarchy

The Baltimore County CEQ testified that the hierarchy outlined in the draft Ten Year Plan should reflect the "current" EPA hierarchy for managing solid waste streams. The CEQ contends that the most recent EPA hierarchy states that materials should be reduced, recycled, and then disposed of (with no preference given to waste to energy over landfilling in terms of disposal). The draft Ten Year Plan gives priority to waste to energy over landfilling after waste prevention and recycling. The CEQ stated that waste to energy facilities should be on the same level as landfills due to public health risks associated with waste to energy facilities.

Plastic Bag Bans

The Department received written testimony regarding the possibility of banning the distribution of plastic bags in the County. The Back River Neck Peninsula Community Association (BRNPCA) and one additional resident testified that plastic bags can end up in waterways and on roadsides, that these bags are not biodegradable, and that plastic bags can be harmful for wildlife and the Chesapeake Bay. Both of these pieces of written testimony recommended that the County consider banning the distribution of plastic bags in the County and requiring that all grocery stores sell reusable bags.

Plastic Recycling

The Department received written testimony by the Baltimore County CEQ regarding the types of plastic accepted in the County's recycling collection program. The CEQ recommended that the County seek ways to reuse/recycle the following: wide-mouth plastic containers, plastics numbered 5-7 (5= polypropylene, 6=polystyrene, 7=polycarbonate), plastic restaurant "take out" containers, and plastic plant pots.

Reuse Options ("Swap Shop," etc.)

The Department received oral and written testimony on the topic of reuse options for residents. The oral testimony, given by a resident, recommended that a "swap shop" be established at BCRRF to allow residents to reuse unwanted items. The Baltimore County CEQ recommended in writing that the County establish a construction material recovery center, at which residents and/or businesses could drop off unwanted construction material for reuse by other residents/businesses.

Toxicity of Municipal Waste Stream

The Baltimore County CEQ provided written testimony regarding the toxicity of the municipal waste stream. The CEQ stated that reducing the toxicity of the waste stream is even more important than reducing the quantity of the waste stream. The CEQ further stated that the Bureau of Solid Waste Management should add toxicity reduction to its mission statement and develop a comprehensive household hazardous waste (HHW) management policy. Additionally, the CEQ recommended the Bureau make proper disposal of HHW more convenient for residents by establishing HHW drop-off centers at Western Acceptance Facility (WAF), Baltimore County Resource Recovery Facility (BCRRF), and other feasible sites around the County.

Other Topics

In addition to the above, the Department received oral and/or written testimony, some from the Baltimore County CEQ and some from additional residents, on the following topics:

- Collecting all recyclables every week
- Promoting source reduction/waste prevention
- Marketing of recyclables by the Maryland Environmental Service (MES) and/or the County

- Increasing understanding of end of life management options for compact fluorescent lamps (CFLs)
- Publicizing data regarding quantities of materials processed/disposed of at County facilities and out-of-County facilities

Approved: _____

Mary B. Roper, Chief
Bureau of Solid Waste Management
Hearing Officer