City of Baltimore
2011 Annual Sustainability Report
SUSTAINABILITY: meeting the current environmental, social, and economic needs of our community without compromising the ability of future generations to meet these needs.
EXECUTIVE SUMMARY

THE BALTIMORE SUSTAINABILITY PLAN, adopted as City Council Ordinance on March 2, 2009, was developed as a direct result of the vision, hard work, and creativity of over 1,000 Baltimore citizens and organizations. The Plan offers a broad, community-responsive sustainability agenda that articulates the type of community Baltimore wants to be – a community that invests in the quality of life of its people, the health and resilience of its environment, and the long-term success of its economy.

• Energy use by Baltimore City government and Baltimore City Schools is being reported separately to highlight focused work being done in the public sector to increase efficiency, conserve use and save money. Thanks to strong leadership from the Department of General Service’s Energy Office, the City of Baltimore has been working with Johnson Controls on implementing energy saving measures throughout numerous government buildings and fire stations. Progress on energy use reduction in City Schools is greatly needed. And in 2011, an effort to address this has been undertaken by the newly formed Green Schools Network Facilities Action Team. Efforts are also being led by students who have formed “green teams” in a wide range of schools. These student leaders are educating their peers, parents, teachers and administrators about ways to conserve energy and green their schools and they are being supported by adults in their schools, as well as in the school system offices of Community Engagement, Facilities and Curriculum. Cost savings from their efforts will free up resources necessary for critical capital upgrades to our school buildings.

• Baltimore, through the Baltimore Food Policy Initiative, continues to be a leader in the country on innovative practices to increase access to healthy food in “food deserts,” which are areas of the City that are more than ¼ mile from a supermarket. In our 2010 Annual Sustainability Report we reported on a successful pilot program to establish Electronic Benefits Transfer (EBT) machines at three City Farmer’s Markets, which enabled low-income residents to use their EBT cards for fresh produce from local farms. During 2011 this program has continued to grow. There has been an increase in the number of EBT transactions and the amount of money spent per transaction. As a result of this ongoing success, our citizens are healthier and the local farm economy is strengthened.

• During 2011 the Office of Sustainability, with support from the Department of General Services Energy Office, updated Baltimore’s Greenhouse Gas Emissions Inventory as part of the planning process for Baltimore’s Climate Action Plan (CAP). Through the CAP we will identify adaptation and resilience strategies related to changes in weather patterns such as extreme heat or storm events. All of our collective work to reduce building energy use will help to lower our greenhouse gas emissions, and help curb the effects of climate change on the City of Baltimore.

As you read through this year’s report, you will note that we have made significant changes to the layout and have added some additional features. One new feature is our “Sustainability Plan Strategy Implementation Status” chart that you will find on page 4. This new feature provides readers with a quick guide to check the status of the 131 Sustainability Plan strategies. Some strategies have been implemented, are ongoing, and are noted with the color green. Others are still pending and are noted with the color red — the remainder fall somewhere in between. We will update this feature every year to highlight progress towards implementation of each strategy.

We have also expanded the success stories section. The additional information enables us to feature the 2011 successes and to give attention to one partner and one neighborhood through our “Partner Spotlight” and “Neighborhood Spotlight” features.

Finally, the data, or metrics, now have a separate section. We have increased the number of metrics from 29 to 51, and the additional data provides tangible evidence on our progress towards the Plan goals and allows for an annual evaluation against baselines.

As we have said many times, it takes action from everyone to achieve the ambitious goals we have set. Many of the partners who are working to advance the Sustainability Plan are listed along with their web addresses for more information at the end of the report. While this report tells the story of the great work underway, we recognize the sample endeavors included here do not represent an exhaustive list. There are doubtless many additional organizations accomplishing valuable work throughout Baltimore, and we look forward to recognizing those efforts. We encourage all entities in Baltimore to share their success stories of how they help to achieve the city’s sustainability goals at our website www.baltimore.sustainability.org.

Thank you to the countless individuals and organizations that took action this past year to improve the quality of life and sustainability here in Baltimore. We look forward to continuing our work with you to transform Baltimore into a truly sustainable city that will thrive for generations to come.
The Baltimore City Sustainability Plan addresses all three legs of the sustainability stool – people, planet, and prosperity. The Plan was designed to lay out a broad, inclusive, and community-responsive sustainability agenda. The Plan is comprised of seven theme chapters: Cleanliness, Pollution Prevention, Resource Conservation, Greening, Transportation, Education & Awareness, and Green Economy. Each chapter contains three to five goals, for a combined total of 29 goals in the Plan. Each goal is accompanied by a non-exhaustive list of recommended strategies. There are 131 strategies listed in the Plan, and for the first time this year, we will be reporting on the implementation status of each strategy.

The chart below will allow you the opportunity to re-visit the strategies, and easily get an idea of where we are in implementation. The color red indicates that a strategy is "still pending," and the color green indicates that the strategy has been "implemented and/or is ongoing." Or a strategy may fall somewhere in between, and will be noted by pink, yellow, orange, or light green. We will update this feature every year, and hope to see progress.

<table>
<thead>
<tr>
<th>Goal #1: Eliminate litter throughout the City</th>
<th>Cleanliness</th>
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<tbody>
<tr>
<td>C1 Strategy A: Educate residents and businesses about proper trash storage and disposal</td>
<td>Red</td>
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<tr>
<td>C1 Strategy B: Board existing programs to maximize public trash and recycling bin use</td>
<td>Orange</td>
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<tr>
<td>C1 Strategy C: Launch a public education campaign to change the public's attitude toward litter</td>
<td>Yellow</td>
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<tr>
<td>C1 Strategy D: Source every household a large municipal trash can</td>
<td>Green</td>
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<tr>
<td>C1 Strategy E: Improve the enforcement of current sanitation code</td>
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<th>Goal #2: Sustain a clean and maintained appearance of public land</th>
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<tbody>
<tr>
<td>C2 Strategy A: Establish city-wide maintenance standards for publicly-owned land</td>
<td>Red</td>
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<tr>
<td>C2 Strategy B: Build capacity of existing city maintenance staff through training and education</td>
<td>Orange</td>
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<tr>
<td>C2 Strategy C: Increase adoption and community stewardship of public land</td>
<td>Yellow</td>
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<th>Goal #3: Transform vacant lots from liabilities to assets that provide social and environmental benefits</th>
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<tbody>
<tr>
<td>C3 Strategy A: Strengthen enforcement of dumping and litter laws</td>
<td>Red</td>
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<tr>
<td>C3 Strategy B: Increase participation in community maintenance and stewardship efforts</td>
<td>Orange</td>
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<tr>
<td>C3 Strategy C: Create and sustain a land trust to support community-managed open space</td>
<td>Yellow</td>
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<tr>
<td>C3 Strategy D: Retain endangered properties for productive use</td>
<td>Green</td>
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<tr>
<td>C3 Strategy E: Test a new free schedule to absentee property owners</td>
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<th>Goal #4: Reduce risks from hazardous materials</th>
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<td>C4 Strategy A: Adopt the &quot;Precautionary Principle&quot; as the underlying policy standard</td>
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<td>C4 Strategy B: Enforce policies and plans for elimination of pesticide use and other toxic chemicals</td>
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<td>C4 Strategy C: Comply with the Maryland Integrated Pest Management (IPM) in schools mandate</td>
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<td>C4 Strategy D: Enforce policies prohibiting the use of lawn and landscaping materials in health care delivery settings</td>
<td>Green</td>
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<td>C4 Strategy E: Aggressively promote the redevelopment of brownfield sites</td>
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<td>C5 Strategy A: Reduce exposure to environmental tobacco smoke in schools, government offices, and other indoor settings</td>
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<td>C5 Strategy B: Explore the feasibility of making all Baltimore city family buildings smoke-free by 2010</td>
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<td>C5 Strategy C: Increase and coordinate all healthy housing efforts</td>
<td>Yellow</td>
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<tr>
<th>Pollution Prevention</th>
<th>SUSTAINABILITY PLAN STRATEGY IMPLEMENTATION</th>
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<tr>
<td>Goal #1: Reduce Baltimore's greenhouse gas emissions by 15% by 2015</td>
<td>Cleanliness</td>
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<tr>
<td>PP1 Strategy A: Create a Climate Action Plan for the City of Baltimore</td>
<td>Red</td>
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<tr>
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<tr>
<td>PP2 Strategy A: Add an air quality and climate change impact evaluation to all new/renovated projects</td>
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<td>PP2 Strategy B: Create Code Red/Orange day policies</td>
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<td>PP2 Strategy C: Implement options for more efficient fleet conversion</td>
<td>Yellow</td>
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<td>PP3 Strategy A: Implement recommendations in the City County Watershed Agreement</td>
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<tr>
<td>PP3 Strategy B: Study creation of a stormwater sustainability or other new funding sources</td>
<td>Orange</td>
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<tr>
<td>PP3 Strategy C: Reduce amount of impervious surfaces and increase on-site stormwater treatment</td>
<td>Yellow</td>
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<td>PP3 Strategy D: Phase in and enforce Baltimore’s Cinch coodinators</td>
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<td>PP3 Strategy E: Create watershed-based natural resource management plans</td>
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<tr>
<td>PP3 Strategy F: Increase actions by individual property owners to treat stormwater</td>
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Resource Conservation

Goal #1: Reduce Baltimore’s energy use by 15% by 2015

- PC1: Strategy A: Require aggressive energy efficiency standards as part of the Baltimore Green Building Standards
- PC2: Strategy B: Improve the energy efficiency of existing homes and buildings
- PC3: Strategy C: Increase renewable energy generation in Baltimore City
- PC4: Strategy D: Mandate efficiency upgrades to homes at point of sale
- PC5: Strategy E: Increase energy conservation by residents, City government, businesses, and institutions
- PC6: Strategy F: Dedicate resources to assist Baltimore in leveraging state and federal funds for energy efficiency
- PC7: Strategy G: Investigate a “Lights Out” policy for appropriate areas of Baltimore City

Goal #2: Reduce Baltimore’s water use while supporting system maintenance

- PC8: Strategy A: Consider public education program on reducing water consumption
- PC9: Strategy B: Study methods to fund the construction and maintenance of Baltimore’s water supply system
- PC10: Strategy C: Maintain a comprehensive water facilities master plan

Goal #3: Minimize the production of waste

- PC11: Strategy A: Discourage waste production by reducing purchasing policies
- PC12: Strategy B: Establish Baltimore City Green Purchasing guidelines
- PC13: Strategy C: Educate consumers about product life cycle analysis
- PC14: Strategy D: Limit industrial and commercial users to close waste types
- PC15: Strategy E: Expand Baltimore’s composting programs and organics recycling
- PC16: Strategy F: Develop and implement local regulation related to waste minimization

Goal #4: Maximize reuse and recycling of materials

- PC17: Strategy A: Increase waste recycling opportunities throughout the City
- PC18: Strategy B: Increase resident and business participation in the single stream recycling program
- PC19: Strategy C: Increase the amount of materials accepted by the single stream recycling program
- PC20: Strategy D: Preserve, reuse, and recycle buildings and related materials
- PC21: Strategy E: Institute once-weekly recycling and once-weekly trash pickup service

Goal #1: Double Baltimore’s Tree Canopy by 2037

- G1: Strategy A: Assist current urban forest cover
- G2: Strategy B: Protect existing trees
- G3: Strategy C: Build communication and cooperation amongst city agencies to support Baltimore’s trees
- G4: Strategy D: Develop a city wide education program around the value of trees
- G5: Strategy E: Develop and strengthen innovation in public-private partnerships
- G6: Strategy F: Identify and pursue opportunities for increasing green space planted on private property
- G7: Strategy G: Increase tree plantings in sidewalks, medians, and other public right-of-ways

Goal #2: Establish Baltimore as a leader in sustainable, local food systems

- G8: Strategy A: Increase the percentage of land under cultivation for agricultural purposes
- G9: Strategy B: Improve the quantity and quality of food available at food outlets
- G10: Strategy C: Increase access for locally grown healthy foods by schools, institutions, supermarkets, and citizens
- G11: Strategy D: Develop an urban agriculture plan
- G12: Strategy E: Implement Baltimore Food Policy Task Force recommendations related to sustainability and food
- G13: Strategy F: Expand local and regional data on various components of the food system

Goal #3: Provide safe, well-maintained public recreational space within walking distance of all residents

- G14: Strategy A: Conduct an inventory and assessment of existing and potential outdoor spaces for recreation
- G15: Strategy B: Develop a plan with recommendations for increasing the quantity, quality, and use of recreation spaces
- G16: Strategy C: Create an inclusive organizational system to support stewardship of public spaces

Goal #4: Protect Baltimore’s ecology and bio-diversity

- G17: Strategy A: Manage Baltimore’s land and water resources to conserve, create, and protect habitat for native species and eliminate invasive plant species
- G18: Strategy B: Implement sustainable landscape maintenance practices throughout the City
- G19: Strategy C: Develop and implement a system to regenerate soil health in Baltimore City
- G20: Strategy D: Build community support to create and restore Baltimore’s urban stream corridors
- G21: Strategy E: Support and develop native plant nurseries in the city
### SPOTLIGHTS AND SUCCESS STORIES

The following pages highlight efforts by some of the many partners that work to advance the goals of the Sustainability Plan.

### Education & Awareness

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<thead>
<tr>
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<tr>
<td><strong>EA3</strong> Strategy A: Utilize a sustainability ambassador network for community outreach</td>
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<td><strong>EA3</strong> Strategy B: Coordinate a Year Long Baltimore Sustainability Calendar</td>
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<td><strong>EA3</strong> Strategy C: Increase public knowledge of alternative transportation options</td>
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<tr>
<td><strong>EA3</strong> Strategy D: Launch city wide sustainability challenges to a variety of audiences</td>
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<td><strong>EA3</strong> Strategy E: Engage membership organizations to develop and disseminate targeted sustainability information</td>
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<th>Goal #4: Expand access to informational resources on sustainability</th>
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<tr>
<td><strong>EA4</strong> Strategy A: Develop an interactive website for the Baltimore Office of Sustainability (BOS)</td>
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<tr>
<td><strong>EA4</strong> Strategy B: Create Green Pages as resource guide</td>
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<tr>
<td><strong>EA4</strong> Strategy C: Utilize existing community centers to distribute sustainability information</td>
</tr>
<tr>
<td><strong>EA4</strong> Strategy D: Support innovative resources on sustainability</td>
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Partner Spotlight: Civic Works

Civic Works provides opportunities for Baltimore residents to improve energy efficiency, home safety, and food access in low and moderate income communities by creating green jobs, preparing city residents for those jobs, and supporting local businesses. Their service corps and AmeriCorps members are transforming vacant lots from liabilities to assets, helping to reduce Baltimore’s greenhouse gas emissions, helping to reduce Baltimore’s water use, and establishing Baltimore as a leader in sustainable and local food systems.

The Community Lot Program transforms vacant and abandoned lots into community gardens and shared green spaces. AmeriCorps members work with community members, local artists, and volunteer groups to focus on communities with residents who are committed to participating in the creation and future maintenance of the lot. In 2011, 10 vacant lots were transformed into community gardens and green spaces throughout Baltimore City.

Project Lightbulb improves residential energy efficiency for people with low to moderate incomes. AmeriCorps members provide homeowners with information on ways to reduce energy usage and install compact fluorescent light bulbs (CFLs), energy efficient fixtures, water heater wraps, and carbon monoxide and smoke detectors. In 2011 Project Lightbulb completed energy efficient installations in 1,022 houses in 17 communities. The estimated energy savings for those houses for one year is 649,992 kWh and 91,980 therms.

Neighborhoods for All Ages provides older adults in Belair-Edison and Coldstream Homestead Montebello with practical services and information essential to healthy and successful aging. Services include social work case management, home repairs, safety and accessibility modifications, transportation assistance, mediation, information, and referrals. In 2011 the program provided case management services to 124 older adults, made 322 referrals to social service providers, and made repairs and safety modifications to 49 houses.

Through the programs in the Baltimore Center for Green Careers residents are trained for jobs in the emerging green economy and growth of the local weatherization industry is encouraged. The B’more Green program provides training in brownfields remediation and home energy efficiency. Since 2003, 215 people have been trained by B’more Green and 90% of program graduates have secured employment earning between $12 and $16 per hour. The Baltimore Energy Entrepreneurs program increases the capacity of experienced home improvement contractors, providing them with the technical skills to enter the residential energy efficiency sector and the business skills to make their companies financially successful. Retrofit Baltimore helps community members attain the benefits of home energy efficiency, while ensuring that their investments create family-sustaining jobs for underserved Baltimore residents. The program uses community organizing methods to assist homeowners in selecting local weatherization contractors with responsible business practices.

Real Food Farm is an urban agriculture project located in Clifton Park that improves neighborhood access to healthy food, provides experience-based education, and grows economically viable and environmentally responsible local agriculture. AmeriCorps members and community volunteers grow food in high tunnel green houses, on plots of land, and in the fruit orchard. Food is sold to community members and local restaurants at a fair price with discounts for people who receive federal or state food benefits. Real Food Farm operates a Mobile Market that makes free deliveries to community residents, a Community Supported Agriculture program, and provides educational programming for K-12 students. In 2011 Real Food Farm grew 8,000 pounds of produce, sold food at community market stands on 106 days, made 41 home deliveries, and provided educational programming to 1,383 students who visited the Farm.
NEIGHBORHOOD SPOTLIGHT: RESERVOIR HILL IMPROVEMENT COUNCIL

Since its founding in 1993, the Reservoir Hill Improvement Council (RHIC) has advanced an idea of revitalization in which every sector of the community benefits. The foundation of RHIC’s organizing approach is a volunteer leadership team structure with community members meeting regularly to evaluate neighborhood needs and develop resident-led solutions. Reservoir Hill has earned its reputation as a “Green” community. Their model of equitable urban sustainability is helping to eliminate litter throughout the city; double Baltimore’s tree canopy by 2037; transform vacant lots from liabilities to assets that provide social and environmental benefits; establish Baltimore as a leader in sustainable, local food systems; and turn every school in Baltimore City into a green school.

In 2011, 2,000 square feet of impervious surface was removed from the community for tree well expansion or creation and 155 trees were planted to increase the neighborhood tree canopy. At Whitelock Street, a demolished commercial district formerly made up of vacant lots, 10,000 square feet of impervious surface was removed to transform the area into a public space that fosters community interaction.

Residents hosted their first community-wide event on the site in October 2011, when over 300 people celebrated with music, food, and activities at the Whitelock Revival & Harvest Fest. The Whitelock Community Farm is growing vegetables on a section of Whitelock Street and started its own market stand in 2011. The two-year process of imagining, designing, and constructing a 9,000 square-foot community park on the south side of Whitelock Street will be complete in 2012. RHIC also partnered with Healthy Neighborhoods, Inc., KaBOOM!, the Baltimore Ravens, and Baltimore Housing to create a new playground on the deteriorating German Park that parallels Whitelock Street. The new playground and shaded sitting areas were completed in June 2011.

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SUCCESS STORY: CITY SCHOOLS SUSTAINABILITY DAY

Turning every school in Baltimore City into a green school and expanding access to information resources on sustainability got a head start on Saturday, November 12, 2011, at Sustainability Day. More than 130 Baltimore City Public Schools teachers, principals, students and parents from 29 schools joined greening experts at Mergenthaler Vocational-Technical High School to identify successes and challenges in the movement to green Baltimore’s schools. Sustainability Day featured 20 free workshops about making sustainability a core part of education and ways to green schools. Workshop presentations fostered discussions on four green themes: curriculum, family and community engagement, schoolyard greening, and facilities.

Workshops were led by greening experts from Audubon Maryland-DC, the Parks & People Foundation, Baltimore Green Map, the Cylburn Arboretum, the Baltimore Ecosystem Study, Blue Water Baltimore, the Brooklyn and Curtis Bay Coalition, and other organizations and businesses. The “Connecting to the Larger Green Movement!” workshop taught attendees about green jobs and green service opportunities available to young people. Another workshop, “Vegetable Gardens and Food Nutrition Programs” guided participants through methods for teaching children to grow and harvest healthy foods and prepare healthy meals. Sustainability Day culminated when workshop participants and Baltimore City Public Schools administrators gathered for a conversation on the future of green schools in Baltimore City. The discussion turned to action as participants joined Blue Water Baltimore in improving the Herring Run watershed by removing asphalt from Mergenthaler’s parking lot.

SUCCESS STORY: CITY SCHOOLS SUSTAINABILITY CHALLENGE

From eliminating litter throughout the City, reducing Baltimore’s energy use by 15% by 2015, maximizing the reuse and recycling of materials, to establishing Baltimore as a leader in sustainable, local food systems, the students of Baltimore City Public Schools are making incredible progress. The City Schools Sustainability Challenge supports youth environmental leadership through the “Green Teams” of students and teachers at Baltimore City Public Schools. A partnership of Baltimore City Public Schools, the Baltimore Community Foundation, and the Baltimore Office of Sustainability, the City Schools Sustainability Challenge provides the Green Teams with $1,000 grants to plan and implement projects focused on greening, resource and water conservation, and waste and energy reduction.

In 2010, the first year of the City Schools Sustainability Challenge, 16 schools applied and received awards. In 2011, 37 schools applied and thanks to the donors who made it all possible, all 37 schools were able to receive full funding. The Green Teams’ work advances the goal to turn every school in Baltimore City into a green school. Project activities included over 100 new recycling bins, 6 composting bins, 1 vermicomposting bin, 30 indoor plants, over 100 posters, 662 “Please Turn It Off!” light switch decals, 40 compact fluorescent light bulbs, 20 schoolyard gardens, 8 rain barrels, and 1 drip irrigation system. Other project results include a successful recycled art sales program, 2 vacant lots cleaned and restored, and thousands of pounds of polystyrene foam trays and compostable and recyclable materials diverted from landfills.

More than a hundred students, teachers, parents, and volunteers celebrated the Green Teams’ hard work at the Baltimore Inner Harbor’s World Trade Center at a special event in May 2011. Each Green Team displayed their project poster and items, and Mayor Stephanie Rawlings-Blake gave a certificate of recognition to a representative from each team. Project posters were viewed by thousands of visitors at the World Trade Center through mid-September 2011, raising the environmental awareness of the Baltimore community.
SUCCESS STORY: RECREATION & PARKS PLAYGROUND ASSESSMENT

Playgrounds are assets when they are well cared for and well used. By making playgrounds a priority, the Baltimore City Department of Recreation and Parks (DRP) has advanced the Sustainability Plan’s goal to provide safe and well-maintained recreational space within a 1/4 mile of all residents. In 2011, DRP hired their first playground safety coordinator to assess the conditions of 121 playgrounds on park property. A goal was set for all playgrounds to meet 100% functionality by summer of 2012. By December 2011, all major safety concerns had been mitigated and 60 playgrounds had received needed updates. In addition, new playgrounds were built at Windsor Hills, Burdick Park, Easterwood Park, and Roosevelt Park.

A playground recycling program was initiated and parts salvaged from past renovations were refurbished to replace damaged equipment, thereby maximizing the reuse and recycling of materials. The repair process is only one phase of the maintenance plan. DRP is working to engage with community groups, schools, and religious organizations that frequently use park playgrounds by providing a “Kit of Parts” for community investment. The kit will outline funding opportunities, local resources, and fun projects to enliven playgrounds.

SUCCESS STORY: BLUE WATER BALTIMORE CLEAN WATER COMMUNITIES

A goal has been set for a fishable, swimmable harbor by 2020, and Blue Water Baltimore is working hard to make that vision a reality. Baltimore neighborhoods play an essential role in accomplishing that goal because the health of our waterways and the health of our communities are directly connected. That is the motivation behind the creation of the Clean Water Community Initiative (CWCI), a collaborative effort kicked off in 2011 to engage more people in taking action for cleaner waterways and healthier communities. The initiative was developed by a working group of water-loving partners including the Baltimore Community Foundation, Blue Water Baltimore, Baltimore City Department of Public Works, the Parks & People Foundation, Waterfront Partnership of Baltimore, and community leaders. The partners decided on the goals and strategies of the initiative and selected 20 neighborhoods that were geographically distributed around the city, and were already doing activities to help improve their neighborhoods.

In 2011, the CWCI organizer built relationships with community leaders in the neighborhoods through interviews and walk and talks in the neighborhoods to listen and learn about each community and their unique needs. Those efforts inform the development of simple plans that outline cleaning and greening needs to help the communities and public/private partners prioritize actions to protect our waterways and Baltimore’s ecology and biodiversity.

The initiative had some fun too by celebrating creativity with unique storm drain stenciling.

Blue Water Baltimore is also working to achieve the Healthy Harbor goals and a sustainable Baltimore through their residential water audit program, which provides incentives for residents to implement stormwater management practices on their properties. In 2011, 475 people registered for the program, 152 of which implemented projects to help our waterways by disconnecting their downspouts, installing rain barrels, planting rain gardens, or removing unwanted pavement. The Clean Water Community Initiative is part of a call to action that everyone must do their part to ensure that Baltimore water bodies are fishable and swimmable. What makes that so exciting is that these efforts will help Baltimore to be a more vibrant, beautiful, and healthy place to live.
SUCCESS STORY: URBAN WATERS LAUNCH

The Patapsco Watershed is one of seven locations selected for help from the nation’s new Urban Waters Federal Partnership. The 375,000-acre Patapsco Watershed spans four jurisdictions, including Baltimore City, and flows into the Middle Branch of the Baltimore Harbor, and ultimately into the Chesapeake Bay. Within Baltimore City, the Gwynn Falls Watershed, Jones Falls Watershed, Direct Harbor Watershed, and the Patapsco River flow into the Patapsco Watershed.

The goals of the Urban Waters Federal Partnership are to revitalize urban waters and the communities that surround them by improving coordination among federal agencies, encouraging federal agency collaboration with local and state government agencies and local stewardship organizations, promoting community-led revitalization efforts to improve local waterways, and promoting the economic, environmental, and social benefits of urban waterways. On June 24, 2011, Baltimore was host to the official launch event of the Urban Waters program. The event, held at Middle Branch Park, was attended by many local, state, and federal officials, as well as local nonprofit, community, and business partners. Attendees interacted with Parks & People Foundation students, who had several stations that addressed the environmental issues associated with creating clean waterways, vibrant parks and green spaces, and connecting community members.

The work of the local participants in the Baltimore-area Urban Waters program will advance us towards ensuring that Baltimore water bodies are fishable and swimmable. Since the launch, local participants have been meeting to share information and collaborate on initiatives to improve Baltimore’s urban waters. The sub-committees have been collaborating to identify opportunities and prioritize goals in the areas of research, local projects, and mapping. The sub-committees will be working together to develop a strategy to begin the implementation of several Urban Waters pilot initiatives.
SuccESS StOry:  cOmmuNity grEENiNg rESOurcE NEtWOrk

The Community greening Resource Network (CGRN) was established in 2008 by the Parks & People Foundation and the University of Maryland Extension in response to the growing need for long-term gardening support. CGRN is an annual membership program that assists over 200 individuals, community gardens, and green spaces throughout Baltimore City with the materials, education, and connections that they need to successfully create and maintain their urban green spaces. In 2011, CGRN had 198 members, made up of 81 community gardens, 48 school gardens, 52 family and private gardens, and 17 advocates.

With assistance from various partners, CGRN coordinates the resources that are available in our city, raises the environmental awareness of the Baltimore community, and expands access to informational resources on sustainability. For a nominal membership fee, gardeners gain access to Give-Away Days, the Community Tool Libraries, CGRN Volunteer Work Days, the CGRN Shared Calendar, workshops and trainings, and a monthly newsletter.

The theme of 2011 was active participation. Members were encouraged to actively participate by contributing to the newsletter, sharing surplus plant materials, starting seedlings for Give-Away Days, and teaching workshops. During 6 Give-Away Days, CGRN provided seed packets, vegetable and herb seedlings, compost, soil amendments, wood chips, ornamental trees and shrubs, and native plants and grasses. Local nurseries and retailers donated high quality surplus inventory to make the Give-Away Days possible.

The Community Tool Libraries rented tools, including shovels, rakes, hoes, and wheelbarrows to over 65 community and school gardens. The CGRN partners that house and run the 5 Community Tool Libraries are Blue Water Baltimore, the Parks & People Foundation, Reservoir Hill Improvement Council, Riverside Park, and Barclay Elementary Middle School. A grant from the Chesapeake Bay Trust will allow CGRN to open and maintain a sixth Community Tool Library in 2012.

Throughout the 2011 growing season, volunteers had hands-on learning experiences during the 17 CGRN Volunteer Work Days. Each day was scheduled around special projects, including building raised beds, installing drip irrigation systems, and developing a compost system.

Over 250 events were featured on the CGRN Shared Calendar including volunteer work days, workshops, trainings, free sales, celebrations, films, short courses, conferences, and Give-Away Days. The events were led by a variety of organizations and groups throughout the city and included rain barrel construction workshops, discussions on food security and zoning policies, and cooking demonstrations. There were 20 workshops and trainings that were designed specifically for CGRN members. Each workshop was taught and hosted by a different garden, partner, or CGRN volunteer. Workshop topics included seed planting and saving, composting in the city, legally preserving green spaces, container and roof top gardening, creating a drip irrigation system, and conducting volunteer recruitment. CGRN workshops are free for members and are open to the public.
SUCCESS STORY: CITY OF BALTIMORE BICYCLE INFRASTRUCTURE IMPROVEMENTS

Over the past five years, Baltimore City has built over 100 miles of bicycle facilities, implementing the City’s 2006 Bicycle Master Plan. Projects to make Baltimore more bicycle friendly have made it an easier place to log a lot of miles by pedaling. Between September 2010 and September 2011 bicycle traffic increased 5%, with an 8% jump in female cyclists. Increases in cycling helps to reduce Baltimore’s greenhouse gas emissions. In 2011 a variety of bicycling related projects took off— the City broke ground on the second phase of the Jones Falls Trail, began construction of its first bicycle boulevard, installed a bike box, and began negotiating with B-cycle to launch a bike sharing system in Baltimore.

SUCCESS STORY: HUD SUSTAINABLE COMMUNITIES GRANT

In November 2011 the Baltimore Metropolitan Council (BMC) was one of 29 regional areas to receive a 2011 Sustainable Communities Grant from the U.S. Department of Housing and Community Development. BMC was the lead applicant of a 26-member consortium, which includes Baltimore City and six other local governments, three state agencies, the Baltimore Regional Transportation Board, two universities, and thirteen non-governmental members.

The grant will support the development of a Regional Plan for Sustainable Development to connect the region’s citizens with jobs by creating better links among housing, transportation and workforce development plans, and aligning funding streams and strategies. BMC’s grant proposal included substantial funds for training programs for jobs in growing industries as well as demonstration projects in green and healthy housing, watershed protection, and transit-oriented development. The Regional Plan for Sustainable Development, once complete, will drive growth and investment for the next twenty five years. This will lead to improvements in public transit services, improvements in the equity of transportation, increases in transportation funding for sustainable modes of travel, and the creation of green jobs and more city residents who are prepared for those jobs.
SuccESStory: Greening the Port of Baltimore

The Maryland Port Administration (MPA) has dual responsibilities. One is to ensure that the more than 2,000 cargo vessels and cruise ships traveling to and from Baltimore have safe and navigable channels. The second is to support regional goals for clean water and healthy wildlife habitat in the Chesapeake Bay. Their environmental initiatives include the Dredged Material Management Program, the Port of Baltimore Clean Diesel Program, and the Schoolyard Greening Program, which replaces pavement at schools with grass and trees. The initiatives help maximize the reuse and recycling of materials, lead to reductions in Baltimore’s greenhouse gas emissions by 15% by 2015, and protect Baltimore’s ecology and biodiversity.

SuccESStory: Baltimore Energy Challenge - Business Energy Challenge

The Baltimore Neighborhood Energy Challenge began in 2009 as part of Baltimore’s Sustainability Plan. The goals of the program are to help the city attain a 15% reduction in energy use by 2015 while increasing community engagement. From its inception through 2011, the Challenge has worked in 20 neighborhoods across Baltimore, helping connect residents to resources and opportunities to help them conserve energy.

In July 2011, when the Baltimore Neighborhood Energy Challenge began working with small businesses, the Baltimore Business Energy Challenge (BBEC) was born. Outreach for BBEC is done in the 10 Baltimore Main Streets neighborhoods, where small business owners are recruited to take the Energy Saving Pledge. Businesses that take the Pledge receive an energy assessment, in which their lighting, heating and cooling, air sealing, appliances, electronics, and water usage are analyzed. Recommendations are made based on this assessment for simple but significant energy-saving measures, and an energy-saving kit is provided based on a business’ needs.

Participants are also encouraged to enroll in BGE’s Small Business Lighting Solutions program, which provides a free lighting audit and covers up to 80% of a retrofit. Additionally, BBEC began taking applications for program participants to be reimbursed for their share of the cost. Each small business will receive continued guidance to take the necessary steps to save, so that they can see significant savings in their utility bills for years to come. There are currently 40 small businesses participating in this free program, and recruitment and outreach continues in each neighborhood.
SUCCESS STORY: COMMUNITY ENERGY SAVERS GRANT PROGRAM

In 2010 the Baltimore Office of Sustainability teamed with Baltimore City’s Department of General Services on the Community Energy Savers Grant Program to contribute to the Sustainability Plan goal of reducing Baltimore’s greenhouse gas emissions by 15% by 2015. From 2010 to 2011 the program committed $1.2 million in stimulus funds to Baltimore City’s communities and neighborhoods. The stimulus funding was matched by over $2 million from other grants, BGE, and in-kind contributions.

Local nonprofits applied for grant funding to be used for energy audits to help prioritize energy saving upgrades and retrofits of their facilities, energy saving upgrades and retrofits, and public education and outreach on energy efficiency. In total, 33 audits were conducted, 45 organizations had energy retrofits, and 11 organizations did energy efficiency education in neighborhoods.

The energy retrofits included lighting improvements, installation of occupancy sensors, appliance upgrades, and cool roofs. The Foundation for Baltimore Leadership School for Young Women, a school for girls in grades 6-12, was in the process of renovating their school in 2011. They were awarded $25,000 for retrofits of their boiler, chiller, ventilation system, water pumps and lighting through the Community Energy Savers Grant. The retrofits, once complete, are predicted to save the school 136,124 kWh per year, which equates to $27,425 in annual savings. The retrofits will contribute to reductions in Baltimore’s energy use by 15% by 2015.

The outreach and education efforts extended awareness and prompted activism by community members. The Reservoir Hill Improvement Council worked with New Lens, a youth driven social justice organization, to become Baltimore’s most energy-conscious, creative, and engaged neighborhood. They developed the Flip the Power Campaign. The campaign uses creative approaches to reach residents with energy saving techniques including a new website, a blog, comics, lawn signs, and even a sculpture.

SUCCESS STORY: BALTIMORE GREEN MAP

Expanding access to informational resources on sustainability is critical to residents helping to attain Sustainability Plan goals. The Baltimore Regional Green Map is an informational resource for both sharing and learning. Baltimore Green Map (BGM) is a nonprofit organization that encourages Baltimoreans to Discover, Enjoy, Learn, and Take Action toward creating a more sustainable urban environment. The interactive Baltimore Regional Green Map is designed as a collaboratively built information source for Baltimore residents and visitors and now has over 400 listings. Viewers can create a customized map by toggling the Nature, Culture, and Sustainable Living icons in the legend. The public is invited to nominate sites, add comments, share impacts and images. Since the map was launched in 2008, 60 comments and 70 site nominations have been received.

Through its affiliation with the international Green Map® System, BGM shares information about Baltimore’s livability and sustainability resources with a worldwide audience, thereby raising Baltimore’s profile as a forward thinking, green city. Drawing from its regional database, BGM started creating online thematic maps, such as the Baltimore Recycle/Reuse/Share Map in 2011. The map lists recycling centers and locations for used clothing, books, building materials, and more. A detailed map of Druid Hill Park, with photos of many places within the park, is available online and a printed version is available at the Rawlings Conservatory.

The Baltimore Regional Green Map is also accessible through the geo-locational “What’s Green Nearby?” mobile website and app. Go to www.greenmap.org to download the app to a smartphone. It geo-locates the user and lists sites that have been green mapped nearby. Users can also nominate a site or send in a picture.

To raise their profile and expand the products and outreach activities that they offer, Baltimore Green Map filed to become an independent nonprofit organization in 2011. They have started raising funds for two projects: the Druid Hill Park Passport & Guide and the reprint of the Jones Falls Trail map.
SUCCESS STORY: BALTIMORE GREEN CURRENCY

Opportunities for residents to support local Baltimore businesses became easier in 2011. The Baltimore Green Currency Association (BGCA), a nonprofit group made up of community residents, created local money for our city – the Baltimore BNote. The BNote was launched in April 2011, with 55 small, independent merchants participating. The BNote is real money. Hundreds of residents are already carrying them in their wallets and purses, and using them within Baltimore to support the neighborhoods, local businesses, and nonprofit organizations that make our city a great place to live and work.

The BNote, like many complementary currencies, is part of a larger effort to create more economically and environmentally sustainable communities. Having a strong local currency means more of Baltimore’s residents are choosing to take their business to local merchants, which means more of our collective purchasing power is channeled back into our communities. Over time, this builds local wealth.

More than 160 businesses across the city accept the BNote, and over 25,000 BNotes have been exchanged into circulation. BNotes are spent the same way as dollars with the participating merchants. Plus, there is a built-in discount for shopping local since each $10 may be exchanged for 11 BNotes. Merchants can use BNotes right away for many of their business needs, including deliveries from local suppliers and services. Many offer BNotes as change, or give employees bonuses in BNotes. BNotes are also convertible to dollars, but many find there is no need to exchange back, when much of what we need can be found from sources right here in our city.
AS NOTED IN THE SUSTAINABILITY PLAN, THERE IS TOO MUCH LITTER IN THE STREETS, NEIGHBORHOODS, PUBLIC SPACES AND STORMDRAINS OF BALTIMORE. EFFORTS HAVE BEEN MADE TO IMPROVE ENFORCEMENT OF THE SANITATION CODE, BUT IT ALSO TAKES RESIDENTS PLACING CALLS AND ALERTING OFFICIALS TO ISSUES IN THEIR COMMUNITY. THE INCREASE IN SERVICE CALLS FOR DIRTY STREETS SHOWS THAT RESIDENTS ARE ENGAGING IN THE PROCESS TO HELP KEEP OUR STREETS CLEAN. IN 2010, THERE WERE 16,453 CALLS AND IN 2011 THERE WERE 18,516 CALLS.

IN 2011, THERE WAS AN INCREASE IN THE TONNAGE COLLECTED FROM STREET SWEEPING IN THE CITY OF BALTIMORE. 7,161 TONS OF LITTER WERE COLLECTED, COMPARED TO 6,972 TONS IN 2010.

WHILE THERE WAS ONLY A SLIGHT INCREASE IN THE TONNAGE COLLECTED FROM STREET SWEEPING IN BALTIMORE, THERE WAS A SIGNIFICANT INCREASE IN THE NUMBER OF MILES THAT WERE SWEEPED. 74,648 MILES OF STREETS WERE SWEEPED IN 2011. THIS IS ALMOST 10,000 MORE MILES SWEEPED THAN IN 2010.

THE BALTIMORE CITIZENS SURVEY IS CONDUCTED EVERY YEAR BY THE CITY’S FINANCE DEPARTMENT. CITIZENS RESPOND TO A VARIETY OF QUESTIONS, INCLUDING HOW THEY PERCEIVE THE CLEANLINESS OF THE CITY, AND THEIR NEIGHBORHOOD TO BE. IN 2011, 21% REPORTED THAT THEY FELT THEIR NEIGHBORHOOD’S CLEANLINESS WAS EXCELLENT, THIS IS A 3% INCREASE FROM 2010.
CLEANLINESS

ThE CiTy OF BALTIMORE’S AdOPt-A-LOT PROgRAm iS SPECiFiCALLY dE- signED FOR COmmuNiTY gARdEnS And nEighBORhOOd BEAuTiFiCA- TiOn. RESidEnTS And nEighBOR-hOOd ORgAniZATiOnS CAn COMplete An AdOPt-A-LOT LiCEnSE AgREEmEnT, And TRAnSFORm vACAnT LiOTS inTO ASSETS FOR ThEiR COmmuniTiES. in 2011, ThERE WERE A TOTAL OF 294 AdOPTEd LiOTS in ThE CiTy, WhiCH iS An inCREASE OF 157 FROm 2010. in 2011, ThE CiTy PARTnEREd WiTh ThE WATER dEPART- mEnT TO PROvidE ACCESS TO WA- TER FOR AdOPTEd LiOTS FOR A LOW FixEd RATE, mAking iT EASiER TO mAinTAin ThESE BEAuTiFiEd SPACES. FOR inFORmATiOn On AvAiLABLE LiOTS in yOuR nEighBORhOOd, OR FOR An APPLiCATiOn, CALL 410-396-4111, EmAiL v2v@BALTimORECiTy. gov, OR viSiT hTTP://WWW.BALTi- mOREhOuSing.ORg/vTOv_AdOPT

STORM DRAIN AND INLET CLEANING

An iMPORTAnT ASPECT OF EnsURING ThAT OuR WATER BOdiES ARE SimmABLE And FiShABLE iS kEEPing TRASh And dE- BRiS FROm EnTERing ThE STORmWATER SySTEm. ThE dATA ABOvE REFLECTS dATA FOR 2010, WhiCh iS mOST RECEnT dATA AvAiLABLE. duRing 2010, 2,891 inLETS WERE CLEAnEd in RESPOnSE TO ChOkEd inLET COmPLAinTS WhiLE AnOThER 2,154 WERE CLEAnEd As PART OF ROuTinE mAinTEnAnCE. ThE dECREASE in TOn-nAgE COLLECTEd in 2010, iS in PART duE TO ThE SEvERE WEAThER COndiTiOns ThAT OCCuRREd in FEBRuARy OF 2010.

GREENHOUSE GAS EMISSIONS INVENTORY

In 2011, ThE CiTY OF BALTIMORE COMpLETEd iTs FiRST GREEN- HOUSE GAS EMISSIONS INVENTORY uPdATE, sINCE 2007. ThIS uPdATE OCCURREd As PART OF ThE CLimATE ACTiON PLAn dEvELOP- mEnT ThAT ALSO LaунChEd in 2011. ThE CiTy’S CONSultANT, AECOm, ALSO COMpLETEd A PEER REVieW OF ThE DATA AND ASSIST- ED IN AnALySiS. ThE 2010 GREEN- HOUSE GAS EMISSIONS INVENTORY FOR ThE CiTy’S COmmuNiTY-WIdE DATA, SHOWED TOTAL EMISSIONS Of 7,579, 144 MT CO2E/YR. TOTAL EMISSIONS FOR CITY GOvERn- mEnT WERE 588,170 MT CO2E/YR. ThE 2010 GREENHOUSE GAS EMISSIONS INVENTORY WILL NOW SERvE AS ThE BASELinE inVEN- TORY FOR ThE CiTy OF BALTIMORE. WiTH ThE dEvELOPmEnT OF ThE CiTy’S CLimATE ACTiON PLAn, WE ExPECT TO SEE REduCTiOnS AS mEASuRES ARE ImPLEmEnTEd.

POLLUTION PREVENTION

hCd iSSuED tRASH rELatEd CitATiOns

AdOPt-A-LOT LiCENSES

The CiTy OF BALTIMORE’S AdOPt-A-LOT PROgRAm iS SPECiFiCALLY dE- signED FOR COmmuNiTY gARdEnS And nEighBOR-hOOd BEAuTiFiCA- TiOn. RESidEnTS And nEighBOR-hOOd ORgAniZATiOnS CAn COMplete An AdOPt-A-LOT LiCEnSE AgREEmEnT, And TRAnSFORm vACAnT LiOTS inTO ASSETS FOR ThEiR nEighBOR-hOOd. In 2011, ThERE WERE A TOTAL OF 294 AdOPTEd LiOTS in ThE CiTy, WhiCH iS An inCREASE OF 157 FROm 2010. in 2011, ThE CiTy PARTnEREd WiTh ThE WATER dEPART- mEnT TO PROvidE ACCESS To WA- TER FOR AdOPTEd LiOTS For A LOW FixEd RATE, mAking iT EASiER TO mAinTAin ThESE BEAuTiFiEd SPACES. FOR inFORmATiOn On AvAiLABLE LiOTS in yOuR nEighBOR-hOOd, OR FOR An APPLiCATiOn, CALL 410-396-4111, EmAiL v2v@BALTimORECiTy. gov, OR viSiT hTTP://WWW.BALTi- mOREhOuSing.ORg/vTOv_AdOPT

STORM DRAIN AND INLET CLEANING

Amount of Debris Removed (tons)

5,000
10,000
15,000
20,000
25,000
30,000
35,000
40,000
45,000
50,000

2009
2010
2011

0
5,000
10,000
15,000
20,000
25,000
30,000
35,000
40,000
45,000
50,000

2009
2010
2011

0 100 200 300 400

0 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010

0 1000 2000 3000 4000 5000 6000 7000 8000 9000

0 5,000 10,000 15,000 20,000 25,000 30,000 35,000 40,000 45,000 50,000

2009 2010 2011

0
5,000
10,000
15,000
20,000
25,000
30,000
35,000
40,000
45,000
50,000

2009 2010 2011

0
5,000
10,000
15,000
20,000
25,000
30,000
35,000
40,000
45,000
50,000

2009 2010 2011

0
5,000
10,000
15,000
20,000
25,000
30,000
35,000
40,000
45,000
50,000

2009 2010 2011
COALITION TO END CHILDHOOD LEAD POISONING PROGRAMS

<table>
<thead>
<tr>
<th></th>
<th>2009</th>
<th>2010</th>
<th>2011</th>
</tr>
</thead>
<tbody>
<tr>
<td>Properties receiving lead hazard reduction interventions</td>
<td>323</td>
<td>165</td>
<td>121</td>
</tr>
<tr>
<td>Properties receiving Healthy Homes interventions to reduce indoor allergens and safety hazards</td>
<td>261</td>
<td>201</td>
<td>123</td>
</tr>
<tr>
<td>Tenants provided with tenant’s rights assistance to repair lead hazards in their home</td>
<td>414</td>
<td>152</td>
<td>153</td>
</tr>
<tr>
<td>Families receiving relocation assistance from lead hazardous housing to lead certified housing</td>
<td>213</td>
<td>62</td>
<td>43</td>
</tr>
</tbody>
</table>

WHILE NOT EXHAUSTIVE OF ALL EFFORTS, THESE FIGURES ILLUSTRATE EXAMPLES OF ONGOING EFFORTS IN BALTIMORE TO IMPROVE HEALTH OF INDOOR ENVIRONMENTS INTEGRATE PEST MANAGEMENT (IPM) IS AN EFFECTIVE APPROACH TO PEST MANAGEMENT THAT IS ENVIRONMENTALLY FRIENDLY AND COST EFFECTIVE, EDUCATING HOME OWNERS ON THE RISKS OF LEAD AND INDOOR ENVIRONMENTS HAZARDS IS CRUCIAL TO HELP ABATE THE PROBLEMS THAT EXIST IN BALTIMORE.

HEALTH DEPARTMENT INDOOR ENVIRONMENT IMPROVEMENT PROGRAMS

<table>
<thead>
<tr>
<th></th>
<th>2009</th>
<th>2010</th>
<th>2011</th>
</tr>
</thead>
<tbody>
<tr>
<td>People trained in home environmental asthma</td>
<td>NA</td>
<td>368</td>
<td>365</td>
</tr>
<tr>
<td>People trained in lead and healthy home interventions</td>
<td>1,580</td>
<td>1,058</td>
<td>400</td>
</tr>
<tr>
<td>People trained on integrated pest management/bed bugs</td>
<td>NA</td>
<td>1,750</td>
<td>NA</td>
</tr>
<tr>
<td>Families provided with a comprehensive home visit to assess conditions</td>
<td>2,633</td>
<td>1,108</td>
<td>600</td>
</tr>
<tr>
<td>People who received lead and healthy homes materials and outreach at health fairs</td>
<td>37,269</td>
<td>39,229</td>
<td>NA</td>
</tr>
</tbody>
</table>

EFFECTIVE EDUCATION AND OUTREACH BY CITY GOVERNMENT AND NON-PROFIT PARTNERS HAS HELPED COMBAT LEAD POISONINGS CASES IN THE CITY OF BALTIMORE. IN 2010, THE NUMBER OF CHILDREN IN BALTIMORE MEETING THE FEDERAL GUIDELINES FOR ELEVATED BLOOD LEAD LEVELS DROPPED FROM 2,189 IN 2000 TO 347. THE CDC IS CURRENTLY EVALUATING A PROPOSAL BY THE NATIONAL ADVISORY COMMITTEE ON LEAD POISONING PREVENTION TO LOWER THE ELEVATED BLOOD LEVELS IN CHILDREN THAT MANDATE INTERVENTIONS. IF THIS OCCURS, WE WILL SEE A DRAMATIC INCREASE IN THE NUMBER OF FAMILIES SERVED.
POLLUTION PREVENTION

BAY HEALTH INDEX SCORES

The Bay Health Index rates 15 reporting regions of the Bay using six indicators that are combined into a single overarching index of health. 2010 is the most recent report available. Included are figures for over-all Bay, mid Bay, and Patapsco Back Rivers which flow through Baltimore. 2011 saw a decrease in scores for all three regions with Patapsco and Back River going from 19% to 16% score.

INDEX VALUE

OVERALL BAY

MID BAY

PATAPSCO RIVER AND BACK RIVERS
GRADE KEY: 100-80=A, 80-60=B, 60-40=C, 40-20=D, 20-0=F

EPA & BROWNFIELDS PROGRAMS

<table>
<thead>
<tr>
<th></th>
<th>2009</th>
<th>2010</th>
<th>2011</th>
</tr>
</thead>
<tbody>
<tr>
<td>EPA-funded Site Assessments</td>
<td>4</td>
<td>1</td>
<td>7</td>
</tr>
<tr>
<td>Baltimore Brownfields Tax Credits</td>
<td>4</td>
<td>0</td>
<td>1</td>
</tr>
</tbody>
</table>

Enacted in 1998, the Baltimore Brownfields Tax Credit is designed to encourage the clean-up and re-development of contaminated and often abandoned and/or underutilized properties in the City of Baltimore. This program offers a City property tax credit on the increased property taxes owed following the completion of eligible improvements (improved value). As part of the City’s Brownfields Initiative, grant funding is available from the US Environmental Protection Agency on a first-come, first-served basis to developers that need to conduct Phase I and Phase II Environmental Site Assessments on sites that are in the redevelopment process. Preference is given to properties that will be redeveloped in a timely fashion and that will generate new jobs and associated tax revenue for the City. The economic downturn has affected the number of tax credits that have been approved in 2010, and 2011.

ENERGY USE RELATIVE TO 2007 BASELINE

Changes in electricity and natural gas consumption are affected by a variety of factors including weather variations, behavioral changes, economic health, technology, and population shifts. In 2011, we saw reductions across all sectors (residential, commercial, & industrial), except for industrial & commercial gas.

RESOURCES CONSERVATION

Baltimore City Energy Usage

New to the Annual Report this year, is a section reporting on the energy usage for City Government and Baltimore City Public Schools. The City of Baltimore, working with the contractor Johnson Controls, has been implementing energy savings to a number of City buildings. Due to better collection and an increase in water/waste treatment energy usage increased in 2011. We expect to see savings from these retrofits over the coming years. In addition, we are receiving new windows and boilers, as well as energy efficiency education with students, teachers, and administrators on behavior change actions that can be taken in a school to lower energy consumption. Over the next few years we will see increased energy savings at our schools.

City Government Energy Usage

Electric (kWh) Usage

Natural Gas (Therms) Usage

Baltimore City Public Schools Energy Usage

Electric (kWh) Usage

Natural Gas (Therms) Usage

Use relative to 2007 (%)
**RESOURCE CONSERVATION**

**QUARANTINE ROAD LANDFILL TONNAGE**

The City of Baltimore disposes of some municipal solid waste at the Quarantine Road Landfill. In 2011, there was a decline in the total tonnage disposed of at Quarantine Road. Over half of the tonnage per year disposed of at Quarantine Road is the ash from Wheelabrator BRESCO waste-to-energy facility.

**WHEELABRATOR BRESCO BALTIMORE TONNAGE**

<table>
<thead>
<tr>
<th>Month</th>
<th>2009</th>
<th>2010</th>
<th>2011</th>
</tr>
</thead>
<tbody>
<tr>
<td>January</td>
<td>17,176</td>
<td>14,102</td>
<td>12,459</td>
</tr>
<tr>
<td>February</td>
<td>15,055</td>
<td>10,348</td>
<td>13,856</td>
</tr>
<tr>
<td>March</td>
<td>14,886</td>
<td>17,329</td>
<td>16,924</td>
</tr>
<tr>
<td>April</td>
<td>19,935</td>
<td>18,586</td>
<td>16,845</td>
</tr>
<tr>
<td>May</td>
<td>21,698</td>
<td>16,619</td>
<td>17,413</td>
</tr>
<tr>
<td>June</td>
<td>21,838</td>
<td>16,725</td>
<td>14,292</td>
</tr>
<tr>
<td>July</td>
<td>20,417</td>
<td>17,695</td>
<td>14,278</td>
</tr>
<tr>
<td>August</td>
<td>17,451</td>
<td>16,988</td>
<td>16,979</td>
</tr>
<tr>
<td>September</td>
<td>17,528</td>
<td>16,669</td>
<td>16,913</td>
</tr>
<tr>
<td>October</td>
<td>16,647</td>
<td>16,373</td>
<td>14,294</td>
</tr>
<tr>
<td>November</td>
<td>17,242</td>
<td>16,321</td>
<td>16,320</td>
</tr>
<tr>
<td>December</td>
<td>16,868</td>
<td>16,314</td>
<td>16,712</td>
</tr>
<tr>
<td>TOTAL</td>
<td>216,787</td>
<td>194,071</td>
<td>187,284</td>
</tr>
</tbody>
</table>

The City of Baltimore diverts and disposes of most municipal solid waste to the Wheelabrator for Baltimore (BRESCO) waste-to-energy facility. Since the implementation of the One Plus One program, the total tonnage of waste being diverted to BRESCO has declined. The facility can generate up to 60,000 kilowatts of electricity per day.

**RECYCLING TONNAGE COLLECTED BY DPW**

Recycling since 2009 has increased overall dramatically due to the introduction of single stream recycling. In 2011, there was light decrease in the total recycling tonnage collected, dropping from 27,490 tons to 26,329 tons.

**AVERAGE DAILY WATER USAGE**

Under the Resource Conservation Chapter of the Sustainability Plan, Goal 2 is to "reduce Baltimore’s water use while supporting system maintenance." Water consumption has declined steadily since 2007, but we did see an increase in usage in 2011, in both the residential and commercial sectors. Excessive water use depletes our fresh water sources, and requires significant energy use to treat and deliver. Through several programs that promote the use of low flow faucets, showerheads and toilet tank banks, we hope to see a decrease in water use in 2012.
GREENING

**TREE CANOPY: NET GAINS AND LOSSES**

<table>
<thead>
<tr>
<th>Number of Trees</th>
<th>2009</th>
<th>2010</th>
<th>2011</th>
</tr>
</thead>
<tbody>
<tr>
<td>Residential Plantings (1)</td>
<td>3,391</td>
<td>2,780</td>
<td>2,575</td>
</tr>
<tr>
<td>School, Park &amp; Community Plantings (2) (3)</td>
<td>852</td>
<td>2,225</td>
<td>2,864</td>
</tr>
<tr>
<td>City Street Tree Plantings (4)</td>
<td>1,800</td>
<td>900</td>
<td>485</td>
</tr>
<tr>
<td>Road Reconstruction Plantings (5)</td>
<td>500</td>
<td>500</td>
<td>500</td>
</tr>
<tr>
<td>Trees Lost to Storms &amp; Poor Health (6)</td>
<td>-2,750</td>
<td>-3,094</td>
<td>-4,259</td>
</tr>
<tr>
<td>Net Increase or Decrease (7)</td>
<td>3,793</td>
<td>3,311</td>
<td>2,165</td>
</tr>
<tr>
<td>Running Total (8)</td>
<td>128,793</td>
<td>132,104</td>
<td>134,269</td>
</tr>
<tr>
<td>Canopy Coverage (9)</td>
<td>27%</td>
<td>--</td>
<td>--</td>
</tr>
</tbody>
</table>

(1) TreeBaltimore donations to home owners and contributions to the Growing Home Campaign and Marylanders Plant Tree Program. (2) Larger specimen trees from TreeBaltimore, planted in cooperation with NGO partners. (3) Restoration plantings are excluded. They are considered zero net gain. (4) Large street tree specimens currently planted under contract with the Urban Forestry Division. (5) Department of Transportation tree plantings (Estimate). (6) Based on tree losses reported to Urban Forestry through the city’s CSR system. (7) Net increase for each year is conservative. All agencies and organizations will begin reporting annual totals to TreeBaltimore in 2012. This will provide a higher, more accurate figure in subsequent years. (8) Based on tree inventory estimate for all city streets and developed parklands. (9) Based on satellite imagery provided by USDA Forestry Service every three years.

**STREAM RESTORATION**

In 2010 and 2011, stream restoration efforts were completed at Western Run, and Lower Stony Run. This provides the City with 13,225 linear feet of cumulative restoration of streams. Prior to 2009, there had only been 6,575 linear feet of restoration. There are a number of stream restoration projects that are pending - either in design phases, or awaiting funding. There are several projects that we hope to see getting underway in 2012. It is important to note though, that these restoration projects can be faced with unforeseen delays due to budgeting or scheduling.

**Baltimore Food Policy Initiative**

<table>
<thead>
<tr>
<th>Metric</th>
<th>2010</th>
<th>2011</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electronic Benefit Transfer Transactions</td>
<td>763</td>
<td>1,656</td>
</tr>
<tr>
<td>Electronic Benefit Transfer Sales</td>
<td>$15,113</td>
<td>$27,664</td>
</tr>
</tbody>
</table>

**Farmers Markets**

1. **Number of SNAP Transactions**
   - Maryland Hunger Solutions conducted a farmers’ market pilot in 2011 to increase the number of Baltimore City farmers markets accepting SNAP (formerly known as food stamps) from 3 to 7 markets. The number of SNAP transactions increased 53% from 2010 to 2011. In 2012, Baltimore City’s largest farmers market, the Baltimore Farmers’ Market & Bazaar, will begin accepting SNAP benefits and will add an estimated 2,000 additional SNAP transactions in 2012.

2. **SNAP Sales**
   - SNAP sales at Baltimore City farmers markets increased 45% from 2010 to 2011, with 4 additional farmers markets now accepting EBT. With the addition of approximately $13,000 in SNAP sales from the Baltimore Farmers’ Market & Bazaar, total SNAP sales from all city farmers markets are projected to reach over $40,000.

**Public Markets**

3. **Number of Vendors with Healthy Carryout Menus**
   - The Get Fresh Public Markets initiative will increase healthy food availability through a healthy carryout strategy by improving access to local produce, increasing demand among consumers through nutrition and fitness activities, and effectively coordinating existing health and educational resources in the public markets. In 2011, the program piloted with 4 vendors with healthy carryout menus, and 6 more vendors will be added in 2012. The strategy serves as a prototype for a healthy public market strategy that will be scaled up to work with over 100 carryout vendors across Baltimore’s six public markets.
**TRANSPORTATION**

**BICYCLING IN BALTIMORE**

WE ARE NOW REPORTING ON ALL OF THE DIFFERENT ON-STREET BIKE FACILITIES. THE NUMBER OF NEW BIKE LANES IN BALTIMORE DRastically REDUCED IN 2011, WITH ONLY 4.8 MILES BEING INSTALLED, COMPARED TO 45 MILES IN 2010. IN NOVEMBER OF 2011, THE CITY OF BALTIMORE ANNOUNCED AN AGREEMENT WITH B-CYCLE TO PROVIDE BIKE SHARING IN BALTIMORE. THE NUMBER OF BIKE RACKS INSTALLED ALSO FELL FROM 99 IN 2010 TO 78 IN 2011. IN NOVEMBER OF 2011, THE CITY OF BALTIMORE ANNOUNCED AN AGREEMENT WITH B-CYCLE TO PROVIDE BIKE SHARING IN BALTIMORE.

**LANE MILES OF NEW ON-STREET BIKE FACILITIES**

<table>
<thead>
<tr>
<th>Year</th>
<th>&gt;2006</th>
<th>2006</th>
<th>2007</th>
<th>2008</th>
<th>2009</th>
<th>2010</th>
<th>2011</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bike Lane</td>
<td>1.7</td>
<td>0.6</td>
<td>8.4</td>
<td>4.5</td>
<td>6.1</td>
<td>16.9</td>
<td>3.2</td>
<td>41.2</td>
</tr>
<tr>
<td>Contraflow</td>
<td></td>
<td>0.5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>0.5</td>
</tr>
<tr>
<td>Shared Bike/Bus Lane</td>
<td></td>
<td>1.5</td>
<td>0.5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>Sharrow</td>
<td>0.6</td>
<td>7.1</td>
<td>13.4</td>
<td>0.9</td>
<td>21.2</td>
<td></td>
<td></td>
<td>43.3</td>
</tr>
<tr>
<td>Sidewalk</td>
<td></td>
<td>0.3</td>
<td>0.1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>0.4</td>
</tr>
<tr>
<td>Signed Route</td>
<td>2.7</td>
<td>14.2</td>
<td></td>
<td>6</td>
<td>1.6</td>
<td></td>
<td></td>
<td>24.4</td>
</tr>
<tr>
<td>Total</td>
<td>5</td>
<td>0.6</td>
<td>29.7</td>
<td>18.2</td>
<td>8.5</td>
<td>45</td>
<td>4.8</td>
<td>111.8</td>
</tr>
</tbody>
</table>

**PERCENT INCREASE IN BIKE RIDERSHIP**

IN 2011, BIKE RIDERSHIP IN THE CITY INCREASED, BASED ON BI-CYCLE COUNTS CONDUCTED AT NUMEROUS LOCATIONS THROUGHOUT THE CITY. WE SAW AN AVERICAN INCREASE OF 165 PER CYCLISTS IN THE CITY.

**ZIPCARS**

THE CITY OF BALTIMORE OFFICIALLY LAUNCHED ZIPCAR IN BALTIMORE IN JUNE OF 2010, ALTHOUGH ZIPCAR DID HAVE A PRESENCE AT JOHNS HOPKINS UNIVERSITY PREVIOUS TO 2010. THE NUMBER OF ZIPCARS IN BALTIMORE ALMOST DOUBLED BETWEEN 2010 AND 2011. EVERY ZIPCAR TAXES AT LEAST 15 PERSONAL OWNER VEHICLES OFF THE ROAD, AND ZIPCAR MEMBERS, ON AVERAGE, DRIVE FEWER MILES PER YEAR, SAVING ROUGHLY 219 GALLONS OF FUEL. TO FIND OUT MORE ABOUT HOW TO BECOME A ZIPCAR MEMBER VIST: HTTP://WWW.ZIPCAR.COM/BALTIMORE/Find-CARS

**PEDESTRIAN SIGNALS**

THIS METRIC IS USED TO TRACK IMPROVEMENTS IN PEDESTRIAN FACILITIES, SPECIFICALLY CPS UNITS THE TRAFFIC SIGNAL CONSTRUCTION & MAINTENANCE DIVISION HAS INSTALLED. IT IS NOT INCLUSIVE OF THE NUMBER OF SIGNAL UNITS INSTALLED BY TEC CONTRACTORS.
GREEN ROUTE MONTHLY RIDERSHIP

The Charm City Circulator with the city’s first hybrid buses provides free rides throughout the city on three different routes. The new Green Route launched in October of 2011. In 2011, over 4,000,000 riders took advantage of the Circulator routes.

MTA RIDERSHIP

This chart represents the number of trips taken on MTA’s various forms of public transit state-wide between 2008 and 2011. 2011 has 109,743,301 total trips which is an increase from 104,273,085 in 2010.

EDUCATION & AWARENESS

Baltimore City Schools Participating in Sustainability Challenge

The city schools sustainability challenge is a mini-grant program available to Baltimore City public schools. Funds are awarded for student-led environmental projects such as DIY energy audits, recycling campaigns, rainwater recycling initiatives and school-yard gardens.

Certified Green Schools in Baltimore City

The Maryland Green School Awards program, run by the Maryland Association for Environmental and Outdoor Education, certifies schools that can document a spectrum of green activities over two or more years. Schools receive special recognition and opportunities, and must re-certify every four years.

Baltimore City Youth Participation in Environmental Programs

This is a sampling of community service projects, after-school groups, summer camps, and summer youth job training programs that have an environmental focus. In 2011, a number of the programs increased the number of youth participating in their efforts.
EDUCATION & AWARENESS

SOCIAL MEDIA

Followers for Office of Sustainability Facebook Page

The Office of Sustainability Facebook page was created in 2009. Since its creation, we have seen an increase in the number of followers to the page. At the end of 2011, the page had 394 followers, an increase of 178 since 2010. The Office posts regularly to the site, sharing a variety of information regarding sustainability initiatives in Baltimore. In 2012, with additional focus on communications, the Office hopes to double the number of followers to our page. http://www.facebook.com/baltimore.sustainability

Visits to Office of Sustainability Website by Month

The Office of Sustainability officially launched the new website www.baltimore.sustainability.org in June of 2009. Since the launch of the website, we have seen a steady increase in the number of visits to the website. In 2011, there were 31,216 total visits to the website, up from a total of 26,355 visits in 2010.

GREEN ECONOMY

GREEN BUSINESSES

The Maryland Green Registry is a voluntary, self-certification program offering tips and resources to help organizations set and meet their sustainability goals. As of 2011, there were a total of 335 businesses participating statewide, and 45 of those were located in the City of Baltimore. To find out more, or to register your business, visit: http://mdde.maryland.gov/marylandgreen/pages/home.aspx

WORKFORCE DEVELOPMENT

The preparation for employment begins with elementary and secondary education, and continues through higher education and certificate programs. Exposure to green jobs at a young age can encourage students to explore opportunities for their future. A broad educational background with varied skills can be utilized across many sectors, including green jobs. In 2011, Baltimore City Public Schools had a graduation rate of 71.9%, which is the highest rate they have seen since they started tracking graduation rates. In 2011, there was also an increase in number of degrees awarded by Baltimore City Community College, and we saw an increase in the number of participants in the More Green Job Training Program at Civic Works.
**GREEN ECONOMY**

**GREEN BUILDING REQUIREMENTS**

- **BCGBS Permits Issued**
  - 2010: 5
  - 2011: 10

- **BCGBS Project Applications**
  - 2010: 5
  - 2011: 10

- **LEED Permits Issued**
  - 2010: 5
  - 2011: 15

- **LEED Project Applications**
  - 2010: 5
  - 2011: 10

- **Waivers Granted**
  - 2010: 5
  - 2011: 10

- **Waiver Requests**
  - 2010: 5
  - 2011: 10

---

**STEPS YOU CAN TAKE**

**Cleanliness**
- Organize a community clean-up event for your neighborhood
- Always place your trash in a can with a tight fitting lid
- Place your trash containers in the proper location the morning of your scheduled pick up
- Call 311 to report excessive trash, mini landfills, or illegal dumping as soon as it occurs
- Work with neighbors to manage a community open space
- Volunteer with a park stewardship program
- Adopt a vacant lot in your neighborhood and transform it into a community garden
- Volunteer with the Community Greening Resource Network (CGRN)

**Pollution Prevention**
- Calculate your greenhouse gas emissions at [http://www.epa.gov/climatechange/ emissions/ ind_calculator.html](http://www.epa.gov/climatechange/emissions/ind_calculator.html) and plan actions to make your home more energy efficient
- Visit [www.baltimoreenergychallenge.org](http://www.baltimoreenergychallenge.org) and take the pledge to reduce your energy usage and receive your free energy savers kit
- Drive less. Use public transportation or try walking or biking to your destination
- Recycle. Just one person recycling for one year is enough to save 471 pounds of greenhouse gases
- Avoid gas-powered lawn mowers, leaf blowers and trimmers that create air pollution
- Work with your employer to arrange for teleworking during Code Orange and Red days
- Practice Integrated Pest Management (IPM) at home, work and school
- Never pour harmful household products down the sink, toilet, or storm drain
- Do not smoke or allow smoking in your home
- Use natural household cleaning products
- Install a Carbon Monoxide detector in your home

**Resource Conservation**
- Call 877-685-7377 and sign up for the BGE Quick Home Energy Check-Up
- Install a programmable thermostat and set it to Energy Star recommendations
- Set your thermostat no higher than 68 in the winter, and no lower than 78 in the summer
- Utilize power strips with electronic devices in your home
- Call 410-927-6088 and sign up for the Baltimore Energy Challenge and to receive your free energy savers kit
- Replace your old toilet, the largest water user in your home with a WaterSense or dual flush model
- Install a rain barrel to collect rain water for use in the garden
- When possible, purchase in bulk to reduce packaging waste
- Purchase items that can be recycled
STEPS YOU CAN TAKE

- Compost yard and food waste
- Participate in the City’s single stream recycling program
- Recycle electronics at drop off centers around the City

Greening
- Plant and care for trees around your property
- Plant and care for street trees in your neighborhood
- Shop at your local farmers market
- Join a community supported agriculture program
- Grow your own backyard garden or participate in a community garden
- Visit one of Baltimore’s great parks
- Form a neighborhood organization to steward the parks and green spaces in your community
- If you have a garden, plant native species to provide habitat for local pollinators and birds

Transportation
- Utilize MTA’s “Rate My Ride” survey tool
- Talk to a “Bike2Work” mentor about how to get ready to commute by bike
- Drive respectful of cyclists, maintain 3 foot clearance
- Encourage your workplace to add parking for bikes
- Team up with neighbors and co-workers to start a rideshare program for commuting
- Sign up for Zipcar
- Encourage your employer to create a Zipcar account
- Show your support for transit projects by using them
- Urge elected officials at all levels to support sustainable transit projects

Education & Awareness
- Volunteer to help your local school create or maintain an outdoor education space
- Organize a tree planting at your local school
- Encourage your local school to work towards Maryland Association for Environmental and Outdoor Education “green school” certification
- Volunteer with an organization that works with youth in Baltimore City
- Share your sustainability success story at www.baltimoresustainability.org
- Consider hosting a sustainability house party to exchange tips and information with your friends and neighbors

Green Economy
- Register your business with the Maryland Green Registry
- Shop at your neighborhood businesses
- Visit a farmers market to support your local farmers and retailers
- Tell a friend about the importance of buying local

To learn more and to find out what you can do, visit: www.baltimoresustainability.org
or email us at sustainability@baltimorecity.gov or call us: 410-396-4556
PARTNERSHIPS – MASTER LIST BY CHAPTER

Cleanliness

Art Blocks: www.artblocks.org
Baltimore City Department of Public Works: www.baltimorecity.gov/government/dpw
Baltimore City Department of Housing and Community Development: www.baltimorehousing.org
Baltimore Green Space: www.baltimoregreenspace.org
Blue Water Baltimore: www.bluewaterbaltimore.org
CleanerGreener Baltimore Initiative: www.cleanergreenerbaltimore.org
Friends of Patterson Park: www.pattersonpark.com
Healthy Harbor Initiative: www.healthyharborbaltimore.org
National Vacant Properties Campaign: www.vacantproperties.org
Parks and People Foundation: www.parksandpeople.org
Waterfront Partnership of Baltimore: www.waterfrontpartnership.org

Pollution Prevention

Baltimore Biodiesel Coop: www.baltimorebiodiesel.org
Baltimore City Department of General Services: www.baltimorecity.gov
Baltimore City Department of Health: www.baltimorehealth.org
Baltimore City Department of Planning: www.baltimorecity.gov/planning
Baltimore City Department of Public Works Bureau of Water and Wastewater: www.ci.baltimore.md.us/government/dpw/water/
Baltimore City Public School System: www.bcps.k12.md.us
Baltimore County Environmental Protection: www.baltimorecountymd.gov/Agencies/environment/water/health
Baltimore Development Corporation’s Brownfields program: www.baltimoredevelopment.com/initiatives/brownfields.aspx
Baltimore Gas & Electric: http://www.bgesmartenergy.com/
Baltimore Neighborhood Energy Challenge: www.baltimoreenergychallenge.org
Blue Water Baltimore: www.bluewaterbaltimore.org
Civic Works: www.civicworks.com
Coalition to End Childhood Lead Poisoning: www.leadsafe.org
Clean & Healthy Homes Initiative: www.greenandhealthyyhomes.org
Healthy Harbor Initiative: www.healthyharborbaltimore.org
Maryland Department of the Environment: www.mde.state.md.us
Maryland Energy Administration: www.energy.state.md.us
Northeast Maryland Waste Disposal Authority: www.nmwda.org/index.asp
Parks & People Foundation: www.parksandpeople.org
Rebuilding Together: www.rebuildingtogether.org
Second Chance: www.secondchanceinc.org
Terracycle: www.terracyle.net
The Loading Dock: www.loadingdock.org
Waste Neutral Group: www.wasteneutral.com

Resource Conservation

Baltimore Biodiesel Coop: www.baltimorebiodiesel.org
Baltimore City Department of General Services: www.baltimorecity.gov
Baltimore City Department of Housing and Community Development: www.baltimorehousing.org
Baltimore City Department of Public Works: www.baltimorecity.gov
Baltimore Free Store: www.freestorebaltimore.org
Baltimore Gas & Electric: www.bgesmartenergy.com
Baltimore Energy Challenge: www.baltimoreenergychallenge.org
Blue Water Baltimore: www.bluewaterbaltimore.org
Cdm eCycling: www.cdm4recycle.com
CleanerGreener Baltimore Initiative: www.cleanergreenerbaltimore.com
Civic Works: www.civicworks.com
Green & Healthy Homes Initiative: www.greenandhealthyhomes.org
Johns Hopkins Sustainability Office: www.sustainability.jhu.edu
Maryland Department of the Environment: www.mde.state.md.us
Maryland Energy Administration: www.energy.state.md.us
Northeast Maryland Waste Disposal Authority: www.nmwda.org/index.asp
Parks & People Foundation: www.parksandpeople.org
Rebuilding Together: www.rebuildingtogether.org
Second Chance: www.secondchanceinc.org
Terracycle: www.terracyle.net
The Loading Dock: www.loadingdock.org
Waste Neutral Group: www.wasteneutral.com

Greening

Baltimore City Department of Planning: www.baltimorecity.gov/planning
Baltimore City Department of Public Works: www.baltimorecity.gov/Government/AgenciesDepartments/PublicWorks.aspx
Baltimore City Department of Recreation and Parks: www.baltimorecity.gov
Baltimore City Food Policy Task Force: www.baltimorecity.gov/Government/agenciesdepartments/planning-foodpolicytaskforce
Baltimore Green Space: www.baltimoregreenspace.org
Baltimore City Health Department: www.baltimorehealth.org/foodshelter
Baltimore City Public School System: www.bcps.k12.md.us
Baltimore Ecosystem Study: www.besitter.org
Biohabitats: www.biohabitats.com
Civic Works Real Food Farm: www.real-food-farm.org
Constellation Energy: www.constellation.com
CSX Corporation: www.csx.com
Eco-check: www.eco-check.org
Baltimore Watershed Association: www.bluewaterbaltimore.org
Johns Hopkins Center for a Livable Future: www.jhsphs.edu/cfl
Maryland Department of Agriculture: www.mda.state.md.us
Maryland Department of Natural Resources: www.dnr.state.md.us
Maryland Hospitals for a Healthy Environment: http://e-commons.org/mdh2e/
PARTNERSHIPS

Maryland Hunger Solutions: www.mdhungersolutions.org
Maryland Master Gardeners: www.mastergardener.umd.edu
Maryland Native Plant Society: www.mdflora.org/chapters/baltimore/baltchapter.html
Maryland Sierra Club: www.maryland.sierraclub.org
Parks & People Foundation: www.parksandpeople.org
TreeBaltimore: www.treebaltimore.baltimorecity.gov
Urban Agricultural Task Force: www.baltimoreurbanag.org

Transportation
1000 Friends of Maryland: www.friendsofmd.org
Altcar: www.altcar.org
B-more Mobile: www.bmoremobile.org
Baltimore City Department of Transportation: www.baltimorecity.gov
Baltimore City Department of Planning: www.baltimorecity.gov
Baltimore City Parking Authority: www.baltimorecity.gov
Baltimore City Public School System: www.bcps.k12.md.us
Baltimore Metropolitan Council: www.baltimoremetro.org
Baltimore Neighborhood Indicators Alliance: www.bnia.org
Bike Baltimore: www.bikebaltimore.org
Bike Maryland: www.bikemd.org
Central Maryland Transportation Alliance: www.cmtrailiance.org
Housing and Transportation Affordability Index: www.htaindex.cnt.org
Johns Hopkins ZipCar: www.zipcar.com/jhu
Maryland Transit Administration: www.mta.maryland.gov
Maryland Transportation Authority: www.mdta.maryland.gov
Mayors Bicycle Advisory Council
Transit Riders Action Council: www.getontrack.org
Walkscore: www.walkscore.com/rankings/most-walkable-cities.php
Zipcar: www.zipcar.com/baltimore/find-cars

Education & Awareness
Baltimore City Department of Recreation and Parks http://www.baltimorecity.gov
Baltimore City Community College: www.bccc.edu
Baltimore City Public Schools: www.bcps.k12.md.us
Baltimore Green Map: www.baltimoregreenmap.org
Baltimore Green Works: www.baltimoregreenworks.com
Baltimore Neighborhood Energy Challenge: www.baltimoreenergychallenge.org
Chesapeake Bay Foundation: www.cbf.org
Chesapeake Bay Trust: www.cbtrust.org
Chesapeake Sustainable Business Alliance: www.sbaonline.org
Children in Nature Network www.childrenandnature.org
CleanerGreener Baltimore Initiative: www.cleanergreenerbaltimore.com
College of Notre Dame: www.ndm.edu
Community Greening Resource Network: www.parksandpeople.org
Construction and Energy Technologies Education Consortium: www.mdworkforce.com
Coppin State College: www.coppin.edu

Green Economy
Baltimore Area Convention and Visitors Association: www.baltimore.org
Baltimore Business Journal: www.baltimorebizjournals.com
Baltimore City Community College: www.bccc.edu/baltimoreccc
Baltimore City Department of Planning: www.baltimorecity.gov
Baltimore City Mayors Office of Employment Development: www.oedworks.com
Baltimore City Mayors Office of Employment Development: www.oedworks.com
Baltimore Green Currency Association: www.baltimoregreencurrency.org
Baltimore Green Works www.baltimoregreenworks.com
Baltimore Office of Promotion & the Arts: www.bop.org
Baltimore Running Festival: www.thebaltimoremarathon.com
Chesapeake Sustainable Business Alliance: www.buylocalbaltimore.com
Chesapeake Sustainable Business Alliance: www.buylocalbaltimore.com
City Bizlist: www.citybizlist.com
Civic Works: www.civicworks.com
Coalition to End Childhood Lead Poisoning: www.leadasafe.org
Construction and Energy Technologies Education Consortium: www.mdworkforce.com
Green Jobs Network: www.maryland.greenjobs.net
Baltimore Workforce Investment Board: www.Baltimoreworkforce.com
Baltimore Development Corporation: www.baltimoredevelopment.com
Maryland Department of Business & Economic Development: www.choosemaryland.org
Maryland Division of Labor and Industry (DLLR): www.dllr.ost.doa.md.us/greenjobs
Maryland Energy Administration: www.energymd.gov/Incentives/business
Maryland Green Registry: www.mde.maryland.gov/MarylandGreen
SustainLane: http://www.sustainlane.com/local/baltimore-md/local-action
Under Armour: www.underarmour.com
Urbanite Magazine: www.urbanitebaltimore.com
US Green Building Council – Maryland: www.usgbc-md.org
Youthworks: www.oedworks.com

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Green Building Institute www.gbi.com
Healthy Harbor Initiative: www.healthyharborbaltimore.org
Holistic Life Foundation www.hlfncc.org
Irving Nature Center: www.explorenature.org
Johns Hopkins University: www.jhu.edu
Johns Hopkins Sustainability Office: www.sustainability.jhu.edu
Living Classrooms www.livingclassrooms.org
Maryland Association for Environmental and Outdoor Education: www.maeoe.org
Masonville Cove Environmental Education Center: www.masonvillecove.org
Morgan State University: www.morgan.edu
Neighborhood Design Center: www.mdc-md.org
Parks and People Foundation: www.parksandpeople.org/learn/
Sojourner-Douglass College: www.sdc.edu
The Council of Teachers for the Environment group: www.greatkidsupclose.org
TreeBaltimore: www.treebaltimore.baltimorecity.gov
Urbanite Magazine: www.urbanitebaltimore.com
US Green Building Council – Maryland: www.usabcmd.org
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