



# 2012

City of Baltimore

## 2012 Annual Sustainability Report



STEPHANIE RAWLINGS-BLAKE  
MAYOR





**SUSTAINABILITY:** meeting the current *environmental, social, and economic needs* of our community without compromising the ability of future generations to meet these needs.

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## 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.

We are pleased to report that in 2012, Baltimore – the City government, businesses, institutions, community organizations and citizens – made important progress towards our Sustainability Plan goals. The annual report that follows provides specific measurements for and stories about the 29 Plan goals. Among the highlights in this year's report are the following:

Energy usage across all sectors – City government, schools, and residential was down in 2012. City government reduced its electric kWh usage by over 4% in 2012, and reduced its natural gas usage by over 15%. City schools reduced their natural gas usage by over 27%. Residential electricity usage in the City decreased 13.1% from the 2007 baseline. Savings from these efforts across the City will help work toward achieving our energy reduction goals, as well as our greenhouse gas emission reduction goals. These savings also reflect cost savings for City government, schools and residences – all of which can be used for further energy retrofits or to help stabilize energy costs.

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. Electronic Benefits Transfer (EBT) transactions at farmer's markets, which enable low-income residents to use their EBT cards for fresh produce from local farms continues to grow. EBT transactions increased from 1,656 in 2011 to 3,294 in 2012,

representing total sales of \$54,948. In addition to the increase in EBT sales at farmer's markets, the number of public market vendors with healthy carry-out menus has increased from 4 in 2011 to 24 in 2012. These increases continue to show that we are working across the City to increase healthy food access.



*Mayor Rawlings-Blake holding a basket of fresh, local veggies!*



In 2012, the Office of Sustainability, completed the development of Baltimore's Climate Action Plan (CAP). The CAP identifies 37 actions geared to reducing building energy usage, generating renewable energy, increasing sustainable modes of transportation, developing open green space, and creating a more livable, healthier City. Reducing building energy use, which comprises 79% of the City's greenhouse gas emissions, will help curb the effects of climate change.

As you read through this year's report, you will note that we have made some changes, and have included some new features and redesigned other elements. Our newest feature is our partnership with the Jacob France Institute Baltimore Neighborhood Indicators Alliance, and incorporating data from their Neighborhood Vital Signs, into our report. Featured on page 56, this new addition provides readers with a neighborhood view of key sustainability indicators. We will be expanding this partnership, and look forward to including additional information in the 2013 Annual Report.

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. Both the "Steps you Can Take" and "Partners List" have been re-designed and we hope that these can provide the reader with clear information on how to become involved, and who to contact.

While this report continues to tell the story of progress in our City, 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.baltimoresustainability.org](http://www.baltimoresustainability.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 increase our quality of life, and grow Baltimore.



MAYOR STEPHANIE  
RAWLINGS-BLAKE



THOMAS J. STOSUR, DIRECTOR  
DEPARTMENT OF PLANNING



**Baltimore Office  
of Sustainability**  
People • Planet • Prosperity

CHERYL CASCANI  
CHAIR, COMMISSION ON SUSTAINABILITY

## SUSTAINABILITY PLAN STRATEGY IMPLEMENTATION

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 teal check mark indicates that the strategy has been “implemented and/or is ongoing.” Or a strategy may fall somewhere in between, and will be noted by orange, yellow, light green, and green. We will update this feature every year, and hope to see progress.

		Still Pending	Very Early Stages	Early Stages	Mid-Stages	Advanced Stages	Implemented/ Ongoing
 <b>CLEANLINESS</b>							
<b>Goal C1  </b>	<b><i>Eliminate litter throughout the City</i></b>						
Strategy A	Educate residents and businesses about proper trash storage and disposal	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>
Strategy B	Expand existing programs to maximize public trash and recycling bin use	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>
Strategy C	Launch a public education campaign to change the public's attitude toward litter	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>
Strategy D	Issue every household a large municipal trash can	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>
Strategy E	Improve the enforcement of current sanitation code	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="checkbox"/>
<b>Goal C2  </b>	<b><i>Sustain a clean and maintained appearance of public land</i></b>						
Strategy A	Establish city-wide maintenance standards for publicly owned land	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>
Strategy B	Build capacity of existing city maintenance staff through training and education	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>
Strategy C	Expand adoption and community stewardship of public land	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="checkbox"/>
<b>Goal C3  </b>	<b><i>Transform vacant lots from liabilities to assets that provide social and environmental benefits</i></b>						
Strategy A	Strengthen enforcement of dumping and litter laws	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="checkbox"/>
Strategy B	Increase participation in community maintenance and stewardship efforts	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="checkbox"/>
Strategy C	Create and sustain a land trust to support community-managed open space	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>
Strategy D	Return abandoned properties to productive use	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>
Strategy E	Establish a new fee schedule charged to absentee property owners	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>





## POLLUTION PREVENTION

### Goal PP1 | *Reduce Baltimore's greenhouse gas emissions by 15% by 2015*

		Still Pending	Very Early Stages	Early Stages	Mid-Stages	Advanced Stages	Implemented/Ongoing
Strategy A	Create a Climate Action Plan for the City of Baltimore	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>
Strategy B	Implement Climate Action Plan for the City of Baltimore	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>

### Goal PP2 | *Improve Baltimore's air quality and eliminate Code Red days*

Strategy A	Add an air quality and climate change implication evaluation to all government-funded projects	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>
Strategy B	Create Code Red/Orange day policies	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>
Strategy C	Explore options for more efficient fleet conversion	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="checkbox"/>
Strategy D	Institute and enforce a City-wide no-idling policy	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>

### Goal PP3 | *Ensure that Baltimore water bodies are fishable and swimmable*

Strategy A	Implement recommendations in the City County Watershed Agreement	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="checkbox"/>
Strategy B	Study creation of a stormwater utility or other new funding sources	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="checkbox"/>
Strategy C	Reduce amount of impervious surfaces and increase on-site stormwater treatment	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>
Strategy D	Protect and restore Baltimore's stream corridors	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>
Strategy E	Create watershed-based natural resource management plans	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>
Strategy F	Increase actions by individual property owners to treat stormwater	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>

### Goal PP4 | *Reduce risks from hazardous materials*

Strategy A	Adopt the "Precautionary Principle" as the underlying policy standard	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>
Strategy B	Adopt a policy and plan for elimination of pesticide use and other toxic chemicals	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>
Strategy C	Comply with the <i>Maryland Integrated Pest Management (IPM) in Schools</i> mandate	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="checkbox"/>
Strategy D	Enact an ordinance prohibiting the use of known toxins in health care delivery settings	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>
Strategy E	Aggressively promote the redevelopment of Brownfield sites	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>

### Goal PP5 | *Improve the health of indoor environments*

Strategy A	Use green cleaning products in schools, government offices, and businesses	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>
Strategy B	Explore the feasibility of making all Baltimore multi-family dwellings smoke-free by 2010	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>
Strategy C	Increase and coordinate all healthy housing efforts	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>
Strategy D	Ensure coordination among weatherization, lead remediation, and healthy homes activities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>



## RESOURCE CONSERVATION

### Goal RC1 | *Reduce Baltimore's energy use by 15% by 2015*

		Still Pending	Very Early Stages	Early Stages	Mid-Stages	Advanced Stages	Implemented/Ongoing
<i>Strategy A</i>	Require aggressive energy efficiency standards as part of the Baltimore Green Building standards	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>
<i>Strategy B</i>	Improve the energy efficiency of existing homes and buildings	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>
<i>Strategy C</i>	Increase renewable energy generation in Baltimore City	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>
<i>Strategy D</i>	Mandate efficiency upgrades to homes at point of sale	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>
<i>Strategy E</i>	Increase energy conservation by residents, City government, businesses, and institutions	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>
<i>Strategy F</i>	Dedicate resources to assist Baltimore in leveraging state and federal funds for energy efficiency	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="checkbox"/>
<i>Strategy G</i>	Investigate a "Lights Out" policy for appropriate areas of Baltimore City	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>

### Goal RC2 | *Reduce Baltimore's water use while supporting system maintenance*

<i>Strategy A</i>	Conduct public education program on reducing water consumption	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>
<i>Strategy B</i>	Study methods to fund the construction and maintenance of Baltimore's water supply system	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>
<i>Strategy C</i>	Maintain a comprehensive water facilities master plan	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>

### Goal RC3 | *Minimize the production of waste*

<i>Strategy A</i>	Distribute information on waste-reducing purchasing policies	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>
<i>Strategy B</i>	Establish Baltimore City Green Purchasing guidelines	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>
<i>Strategy C</i>	Educate consumers about product life-cycle analysis	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>
<i>Strategy D</i>	Link industrial and commercial users to close waste loops	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>
<i>Strategy E</i>	Expand Baltimore's composting program and opportunities	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>
<i>Strategy F</i>	Develop and implement local legislation related to waste minimization	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>

### Goal RC4 | *Maximize reuse and recycling of materials*

<i>Strategy A</i>	Increase recycling opportunities throughout the City	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="checkbox"/>
<i>Strategy B</i>	Increase resident and business participation in the single-stream recycling program	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="checkbox"/>
<i>Strategy C</i>	Expand types of materials accepted by the single-stream recycling program	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="checkbox"/>
<i>Strategy D</i>	Preserve, reuse, and recycle buildings and related material	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>
<i>Strategy F</i>	Institute once-weekly recycling and once-weekly trash pick up service	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>





## GREENING

### Goal G1 | *Double Baltimore's Tree Canopy by 2037*

		Still Pending	Very Early Stages	Early Stages	Mid-Stages	Advanced Stages	Implemented/Ongoing
Strategy A	Assess current urban forest cover	○	○	○	○	○	✓
Strategy B	Protect our existing trees	○	○	○	●	○	✓
Strategy C	Build communication and cooperation among City agencies to support Baltimore's trees	○	○	○	●	○	✓
Strategy D	Develop a City-wide education program about the values of trees	○	○	○	○	○	✓
Strategy E	Develop and strengthen innovative public-private partnerships	○	○	○	○	○	✓
Strategy F	Identify and pursue opportunities for increasing trees planted on private property	○	○	○	○	●	✓
Strategy G	Increase tree plantings in sidewalks, medians and other public right-of-ways	○	○	○	○	●	✓

### Goal G2 | *Establish Baltimore as a leader in sustainable, local food systems*

Strategy A	Increase the percentage of land under cultivation for agricultural purposes	○	○	○	○	●	✓
Strategy B	Improve the quantity and quality of food available at food outlets	○	○	●	○	○	✓
Strategy C	Increase demand for locally-produced, healthy foods by schools, institutions, supermarkets, and citizens	○	○	●	○	○	✓
Strategy D	Develop an urban agriculture plan	○	○	○	○	●	✓
Strategy E	Implement Baltimore Food Policy Task Force recommendations related to sustainability and food	○	○	○	●	○	✓
Strategy F	Compile local and regional data on various components of the food system	○	○	○	●	○	✓

### Goal G3 | *Provide safe, well-maintained public recreational space within 1/4 mile of all residents*

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

### Goal G4 | *Protect Baltimore's ecology and biodiversity*

Strategy A	Manage Baltimore City land to restore, conserve, and create habitat for native species and eliminate invasive plant species	○	●	○	○	○	✓
Strategy B	Implement sustainable landscape maintenance practices throughout the City	○	●	○	○	○	✓
Strategy C	Develop and implement a system to regenerate soil health in Baltimore City	○	●	○	○	○	✓
Strategy D	Build community support to conserve and restore Baltimore's urban stream ecosystem	○	○	○	●	○	✓
Strategy E	Support and develop native plant nurseries in the City	○	●	○	○	○	✓



## TRANSPORTATION

### Goal T1 | *Improve public transit services*

		Still Pending	Very Early Stages	Early Stages	Mid-Stages	Advanced Stages	Implemented/Ongoing
Strategy A	Make software upgrades to allow for transit signal priority	●	○	○	○	○	✓
Strategy B	Implement an integrated system of downtown shuttle and trolley routes	○	○	○	○	○	✓
Strategy C	Work with the MTA to expand QuickBuses to more high-volume transit corridors	○	○	●	○	○	✓
Strategy D	Bring the Red Line Transit project to Baltimore	○	○	○	○	●	✓
Strategy E	Work with the MTA to develop and implement an ideal transit service profile for MTA routes	●	○	○	○	○	✓

### Goal T2 | *Make Baltimore bicycle and pedestrian friendly*

Strategy A	Implement the Baltimore Bicycle Master Plan	○	○	○	●	○	✓
Strategy B	Develop a Bike to Work program for Baltimore	○	●	○	○	○	✓
Strategy C	Evaluate the creation of a bicycle sharing service	○	○	○	○	●	✓
Strategy D	Expand the Safe Routes to Schools program	○	○	○	●	○	✓
Strategy E	Implement “Sunday Streets” recreational street closure program	○	○	○	○	●	✓
Strategy F	Improve public infrastructure for cyclists and pedestrians	○	○	○	●	○	✓

### Goal T3 | *Facilitate shared-vehicle usage*

Strategy A	Establish a Baltimore CarShare program	○	○	○	○	○	✓
Strategy B	Expand the CityCommute Rideshare program	○	○	○	●	○	✓
Strategy C	Leverage new Baltimore Green Building Standards to increase shared-vehicle use	●	○	○	○	○	✓

### Goal T4 | *Measure and improve the equity of transportation*

Strategy A	Track the disparity of transportation costs by neighborhood relative to income	●	○	○	○	○	✓
Strategy B	Identify strategies to reduce the disparity in cost of transportation relative to income	●	○	○	○	○	✓
Strategy C	Work with the MTA to measure the quality of transit service in Baltimore neighborhoods	○	○	●	○	○	✓

### Goal T5 | *Increase transportation funding for sustainable modes of travel*

Strategy A	Advocate for more funding for transit and sustainable transportation	○	○	○	●	○	✓
Strategy B	Implement goals of Mayor’s Transportation Investment Commission (TIC) report	○	●	○	○	○	✓
Strategy C	Explore options for a new regional transit funding source and a larger local role in managing the MTA	○	●	○	○	○	✓
Strategy D	Expand eligible expense under sustainable transportation programs	●	○	○	○	○	✓
Strategy E	Advocate shifting funding from roadway capacity expansion to transit, bicycling, and walking projects	○	○	●	○	○	✓





## EDUCATION & AWARENESS

### Goal EA1 | *Turn every school in Baltimore City into a green school*

		Still Pending	Very Early Stages	Early Stages	Mid-Stages	Advanced Stages	Implemented/Ongoing
Strategy A	Incorporate sustainability into curriculum and activities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>
Strategy B	Build and retrofit green school buildings	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>
Strategy C	Adopt a green facilities management guide for school operations	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>
Strategy D	Implement a teacher training and certification program for sustainability	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>
Strategy E	Recognize schools making strides in sustainability	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>

### Goal EA2 | *Ensure all city youth have access to environmental stewardship programs and information*

Strategy A	Develop a sustainability education and community service program	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>
Strategy B	Create a website devoted to the youth perspective on the environment	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>
Strategy C	Create a Youth Ambassador Team to educate their peers about sustainability	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>

### Goal EA3 | *Raise the environmental awareness of the Baltimore community*

Strategy A	Utilize a Sustainability Ambassador network for community outreach	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>
Strategy B	Coordinate a Year-Long Baltimore Sustainability Calendar	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>
Strategy C	Increase public knowledge of alternative transportation options	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>
Strategy D	Launch City-wide sustainability challenges to a variety of audiences	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>
Strategy E	Engage membership organizations to develop and disseminate targeted sustainability information	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>

### Goal EA4 | *Expand access to informational resources on sustainability*

Strategy A	Develop an interactive website for the Baltimore Office of Sustainability (BOS)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>
Strategy B	Create local Green Pages as resources guide	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>
Strategy C	Utilize existing community centers to distribute sustainability information	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>
Strategy D	Support innovative resources on sustainability	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>



## GREEN ECONOMY

### Goal GE1 | *Create green jobs and prepare City residents for these jobs*

		Still Pending	Very Early Stages	Early Stages	Mid-Stages	Advanced Stages	Implemented/Ongoing
<i>Strategy A</i>	Add clean technology to Baltimore's targeted growth sectors	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	✓
<i>Strategy B</i>	Conduct needs assessment of green job demand	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	✓
<i>Strategy C</i>	Link existing job training programs to the information provided in the green jobs needs assessment (above)	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	✓
<i>Strategy D</i>	Encourage employment of Baltimore's residents in City clean energy projects	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	✓
<i>Strategy E</i>	Convene Green Collar Summit	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	✓
<i>Strategy F</i>	Develop a strategy to secure available funding	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	✓

### Goal GE2 | *Make Baltimore a center for green business*

<i>Strategy A</i>	Leverage Baltimore's natural amenities attractive to green technology businesses and market them	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	✓
<i>Strategy B</i>	Establish and market creative financing strategies for local green businesses	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	✓
<i>Strategy C</i>	Encourage construction industry to use "green" building practices	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	✓
<i>Strategy D</i>	Identify sectors and products for a sustainability-related manufacturing niche in Baltimore	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	✓

### Goal GE3 | *Support local Baltimore Business*

<i>Strategy A</i>	Educate Baltimore City residents on the importance of supporting local businesses	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	✓
<i>Strategy B</i>	Develop tools to connect local suppliers to businesses, consumers, and government	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	✓
<i>Strategy C</i>	Increase local government purchasing of local products	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	✓

### Goal GE4 | *Raise Baltimore's profile as a forward thinking, green city*

<i>Strategy A</i>	Create a brand for Baltimore's Sustainability initiative	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	✓
<i>Strategy B</i>	Attract sustainability-related conventions and events to Baltimore	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	✓
<i>Strategy C</i>	Target the tourism industry to promote Baltimore as a green city	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	✓
<i>Strategy D</i>	Support innovative an pilot projects and technologies	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	✓



## 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.

“*Act as if what you do makes a difference.*  
*IT DOES.*”

-William James



BEFORE



AFTER



## NEIGHBORHOOD SPOTLIGHT: HAMPDEN



The Hampden Community Council (HCC) has been proudly serving Hampden since 1972, although it wasn't until 1992 that the Sanitation Committee was kicked off by Cheryl Wade. It began with newsletter distribution and the watchful eyes of 90 block captains who provided monthly notes on unkept alleys and trash hot spots. The committee held clean-ups to target the problem areas and used peer pressure to get neighbors to spruce up their own yards. People noticed a cleaner community with fewer rats. Public plantings and gardens were encouraged. In the fall of 1994 the first Roosevelt Park community garden was established.

It was the summer of 1995 that another resident of Hampden, Marla O'Neill began to get more involved. She and neighbor Shawn Hagan initiated the Hampden Street Tree program. In 1999 the Roosevelt Park plan was developed under Cheryl's leadership. In 2000 Marla coordinated Hampden's involvement in the Mayor's Spring Clean-Up and continues to lead a stalwart few blocks over a decade

later. In 2003 under Marla's watch the committee was renamed to Clean & Green with an emphasis placed on beautification/greening. The committee worked closely with Parks & People getting guidance on tree plantings. Pet waste sanitation issues were tackled with pet waste stations and signage about picking up after your pet installed around the community. "I was co-chair initially with Jul Owings and then with Lori Amundsen Drinks" recalls Marla.

These leaders sparked the environmental interest and eye of neighbor Mike Drinks when in 2006 he took a turn in the chair. "Well, I had thought that the way to bring in excitement and new faces to C&G would be to shift focus to a rewarding and individually fulfilling 'meet like-minded people' angle" adds Mike. Get Trashed on Friday (GTOF) events ask for an hour of trash pick-up and invite volunteers to cool off afterwards at a local watering hole. T-shirts, banners and pet poop signs that grace local parks stand as a lasting contribution of Drinks. Co-chair Nancy Murray organized





## CLEAN & GREEN

a student art event coinciding with the Mayor's cleanup, a student photography event at a gallery on the Avenue and a poster contest at Hampden Elementary. It seemed everyone was involved and there were even prizes for the student's art! "Ridiculously cool" reminisces Drinks.

In early 2009, chair Kat Feuerstein set out to make a clear plan of action for the committee. "I compiled a document of projects that had already been established, as well as some pie-in-the-sky ideas that we could work towards achieving" adds Feuerstein. The document provided a point of reference which proved a useful tool when working with this committee of volunteers.

In 2010 Jay Lazar built upon the successes of his predecessors. A mural paying homage to Hampden's history was installed at Elm Avenue Park under the strong effort of Curt Millington while park renovations simultaneously occurred through a grant won by Steve Baker, both C&G champions. GTOF was switched to GTO Tuesday, with ever increasing participation by both volunteers and sponsoring establishments.



While we are now in 2013, and not all of the projects on the list have moved forward, the plan is still a great point of reference for Jennie Beckman and Jed Jenny, the most recent C&G co-chairs. They have made a concerted effort over the past year to strengthen ties between the Clean & Green team and other groups making a contribution to sustainability in Hampden, fostering a budding relationship with the Baltimore Free Farm, as well as the teachers working with ACCE students to maintain a school garden.

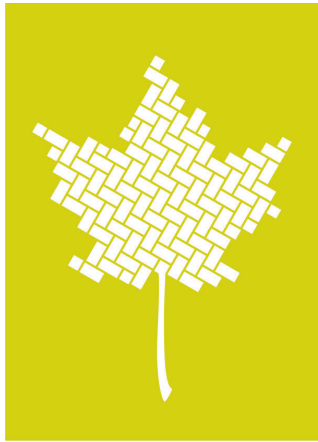
The strength of the Clean & Green Team has been the volunteers and an ability to harness and harvest fresh ideas under a strong and supportive Hampden Community Council.

hcc

hampden community council







**PARKS &  
PEOPLE**  
FOUNDATION



## PARTNER SPOTLIGHT: PARKS & PEOPLE FOUNDATION



**Parks & People Foundation's (P&P) mission is to support a wide variety of recreational and educational opportunities; create and sustain beautiful and lively parks; and promote a healthy, natural environment for Baltimore.** P&P helps revitalize neighborhoods through hands-on community greening activities, forming networks among communities to sustain natural resources, and providing programs for children where they can learn, grow, and explore their natural environment and develop a sense of community.

Parks & People has been an active participant in the development and implementation of the Sustainability Plan. P&P Board member, Maryland State Delegate Mary Washington, serves as a member of the Sustainability Commission.

Through *Partnerships for Parks*, P&P works with the Department of Recreation and Parks (BCDRP) to provide technical assistance and grants to groups improving parks and recreation centers. Its goal is to build community capacity so residents can

become active partners in caring for public lands and recreational spaces. **Since 2005, grants totaling \$586,970 have been awarded to 119 groups for 195 projects matched with volunteer labor and other funds valued at \$1.5 million.**

To better connect youth with our parks, P&P's *sports leagues* provide safe, healthy and meaningful outdoor activities and offer youth the opportunity to learn the values of teamwork and fair play. Since 1992, Parks & People has offered baseball, soccer, volleyball and lacrosse to over 30,000 youth.

As a partner in the *Gwynns Falls Trail*, P&P supports the Trail Council, a membership organization created to promote community involvement, enjoyment and continuous improvement. Managed by BCDRP, this 15-mile hiker-biker trail travels through 2000 acres of parkland and serves as Baltimore's Gateway to the Chesapeake Bay.

P&P currently is restoring 9-acres and two historical buildings in *Druid Hill Park*. Plans



include the addition of a LEED-certified educational center which will also house the foundation's work space. This is a demonstration of the value of the *One Park* concept illustrated in the City's Sustainability Plan.

P&P helps people become *stewards of their neighborhood's natural resources* by providing technical assistance and grants that facilitate community-driven projects designed to green landscapes and clean surface water. By fostering a network of people working toward similar goals, P&P helps develop a greater awareness of the benefits that environmental improvements yield our community. Recognizing the importance of involving young people, P&P integrates environmental education and community service into their programs. They are also an active partner in the *Baltimore Ecosystem Study* helping to translate ecology research into actionable policies and programs that are based on a sound understanding of our urban ecosystem.

P&P plants trees to improve neighborhoods and stimulate revitalization. Starting 20-years ago with a partnership of the U.S. Forest Service, Maryland Forest Service, and the City Arborist, P&P led a regional effort to develop a national model for urban and community forestry resulting in Baltimore's Urban Tree Canopy goal to increase from 27% to 40%. Mobilizing volunteers is a key to achieving this goal. Trees improve air and water quality, reduce the need for stormwater facilities, provide energy savings, and carbon sequestration moderating climate change. Parks & People is proud to be involved in this campaign to make Baltimore a safer, greener, healthier place to live, work and play coordinating their efforts through the *TreeBaltimore Partnership*.

P&P has also led the way to help communities gain control of vacant lots and transform them into a variety of *community-managed open spaces* by providing grants, technical and logistical resources. **Since 1996 P&P has**

**provided \$555,771 in neighborhoods greening grants to 416 organizations who undertook 710 projects.** Recently, they have partnered with the Mayor's Office of Community Service and the "Power in Dirt" Initiative which engages residents in the sustainable reuse of vacant properties creating places for public art, gardening, and neighborhood parks (see the following *Success Story*).

Studies show that urban gardening helps to revitalize communities, reducing the impacts of poverty, and improving people's health. Key to sustainable, community-driven green spaces are access to resources, education, and networking opportunities. Responding to the growing need for long-term gardening support, P&P partnered with the University of Maryland Extension to create *Community Greening Resource Network*, an annual membership network of individuals, community gardens, and schools coordinating available resources to ensure sustainability.

P&P is a leading provider of environmental education promoting awareness and providing positive pathways for youth to become involved in stewardship activities. **P&P has delivered environmental education**







**programs, teacher professional development and stewardship projects in over 40 Baltimore City Public schools serving over 10,000 students.** P&P is a certified Green School Center providing resources to aid schools in reaching this goal. Through their initiative, 22 acres of asphalt from schoolyards has been removed to create new green space for educational and outdoor activities.

*BRANCHES* is P&P's year-round green job training program for high school youth. Participants explore career opportunities in natural resources, earn money, and are encouraged to stay in school. Small crews work under the guidance of professionals to remove invasive plants, maintain and plant trees, and complete watershed projects. **They have supported the Maryland Department of Natural Resources' Conservation Job Corps summer green jobs training program which has served 1,000 students who work in State and City parks.** The Urban Resources Initiative works in partnership with BCDRP, the Baltimore Ecosystem Study and academic institutions to provide interns with meaningful opportunities to explore careers in natural resource management while meeting the needs of the Department. Additionally, P&P has established a landscape and tree brokerage social enterprise that provides jobs for trainees as they graduate and a workforce to supplement volunteers in greening projects.

*National profile raising* - P&P is actively engaged in several regional and national organizations, networks and initiatives and is thus an effective communicator of Baltimore's goals and innovative approaches to natural resource management.

Learn more about Parks and People!  
Check out their website at:

**[www.parksandpeople.org](http://www.parksandpeople.org)**

# step UP!



First Anniversary Report: AUGUST 2011 – AUGUST 2012

power in  
dirt



## SUCCESS STORY: POWER IN DIRT



In August of 2011, Mayor Stephanie Rawlings-Blake created the initiative “stepUP!” in order to energize Baltimore residents to help tackle the City’s most serious problems. During these tough economic times, “stepUP!” has helped Baltimore City address difficult challenges while using fewer resources. The program has been a great success, aiding volunteers in “revitalizing hundreds of abandoned and vacant lots; helping hundreds of people in drug treatment transition successfully into long-term recovery from addiction; connecting dozens of youth in the justice system to professional and social networks they otherwise wouldn’t have access to; and providing more than a thousand kids nutritious meals and learning experiences over the summer.”

“Power in Dirt,” a City sub-initiative dealing specifically with vacant lot revitalization, has transformed the way Baltimore deals with abandoned lots, making it easier for dedicated residents to help improve their

neighborhoods. Power in Dirt helped to make information about the vacant lots fully transparent and readily available to our communities. The initiative streamlined the process of gaining legal right-of-entry onto vacant lots through due process of adoption and made the adoption agreements flexible and friendly. Under the initiative, a new program was created to provide residents with access to water for their lots, and Baltimore City provided additional resources and support to help communities transform their lots and get started!

Since the initiative was created, **737 lots have been adopted, totaling an astounding 1.4 million square feet—and 80% of these lots have been revitalized and maintained.** Approximately 34% of these revitalized lots are being used for growing food, with a 35% overall reduction in service requests to clean up trash on blocks with adopted lots. Power in Dirt has been a great success!





## SUCCESS STORY: 901 ARTS



It started in 2006 as parents and adults demanded more free or low-cost after school programs in the neighborhood. Since then, it has grown into something that's truly inspiring. A project of the Better Waverly Community Organization, **901 Arts offers year-round educational activities for the children and teens of Better Waverly.** The art center hosts a wide range of programs—from camps and art classes to musical productions—which engage the neighborhood's youth as they develop. In the past few years, one particular pursuit has drawn attention to a critical problem facing Baltimore City: litter which enters the Chesapeake Bay.

In 2009, MICA graduate Sarah Tooley joined 901 Arts to serve as the Director. She saw the art center as a unique opportunity to address social justice challenges in Baltimore. When she asked the children of Better Waverly what they felt were some of the bigger issues afflicting their neighborhood, they listed violence, crime, and drug activity, among other concerns. Additionally, they called

attention to excessive trash. Viewing this concern from a regional perspective, 901 Arts and the children of Better Waverly could see how trash in their neighborhood was impacting the health of the entire Chesapeake Bay. To help others make this same connection, they began painting vibrant murals around the storm drains and manholes along the neighborhood streets in 2010.



***“I know that global scale environmental issues can only be fixed by starting off with small scale communities...”***

...explained youth artist, LaShae Felder, when she was just 15 years old.

The youth involved in the project attended an educational session connecting the effects of littering to the bay, completed various designs for review, scouted possible locations and spoke with neighbors about the proposed project. Youth selected to participate in this educational and community oriented public art project received a small stipend

The storm drain painting endeavor was inspired by 6emeia—a project by São Paulo graffiti duo, Delafuente—which encouraged people to reconsider the ways in which everyday objects are viewed. Putting an environmental twist on this concept, 901 Arts considered the paintings a novel tool for communicating a very powerful message about the environment. 901 Arts was able to produce 10 storm drain paintings with the initial funds, and additional paintings were since made possible thanks to a donation from an enthused resident.

With 15 paintings under their belt, 901 Arts is now partnering with the local watershed organization, Blue Water Baltimore, to reach out to other City schools and talk about the storm drain initiative. As the children of Better Waverly share their experiences and see other communities follow in their footsteps, not only do they feel good about the work they've done and continue to do, but they also feel a stronger connection to the City as a whole. This, in turn, has led to a dramatic shift in behavior for some of the children involved, as they report making a more conscious effort to reduce litter. The kids have given walking tours of the storm drain paintings during past community events, and anyone interested in a self-guided tour can find a map of the completed paintings at [www.901Arts.org](http://www.901Arts.org).







## SUCCESS STORY: BALTIMORE COMMUNITY TOOLBANK



In June 2012, Baltimore welcomed an exciting pioneering organization, The Baltimore Community ToolBank. As the third affiliate to join the national ToolBank USA network, and currently 1 of only 4 in operation across the country (more are on their way), the Baltimore ToolBank has experienced tremendous success in fewer than 8 months!

This tool-lending program invites nonprofit organizations, public schools, neighborhood associations, faith-based groups, government agencies, and civic organizations to register their group, at no cost, as a ToolBank Member Agency. Once registered, the ToolBank helps Member Agencies increase the impact of their own community efforts. The ToolBank has **an inventory of 132 different kinds of tools with a total offering of more than 9,000 individual pieces.** These include everyday tools like shovels, rakes, and drills, in addition to countless items, both large and small. The ToolBank stocks a supply which the community can reuse time and again.

The Baltimore Community ToolBank follows a unique model first launched in Atlanta. The ToolBank lends tools to their Member Agencies at a nominal cost of just three cents on the dollar for the tool(s) being borrowed. This





fee covers maintenance, repair, stock, and operation, and also ensures safe return after project completion. At retail value, **the same tools would have cost Member Agencies \$146,854.83. By using the ToolBank, however, the organizations spent under \$4,400!** By providing such an exceptional resource, organizations can invest more money into their community projects, money that would have otherwise been needlessly lost.

**In just 8 months of operation, the Baltimore Community ToolBank has put their blue tools in the hands of more than 6,000 volunteers who spent an estimated 25,212 hours working on 319 projects (that's almost 10 a week!) in Baltimore City and across Maryland.** Included in the projects served were rain gardens, community gardens, tree plantings, community clean-ups, building construction and renovation, school improvements, murals, and even Main Street events among many others. And while the ToolBank does not lend their items to private corporations or individuals, they have successfully worked alongside local businesses who partner with and support many significant community initiatives and charitable organizations.

The ToolBank not only supports cleaning and greening efforts throughout our community, it has also invested that same commitment to sustainability on their own property. In their 10,000 square foot warehouse, adorned with attractive murals depicting tools available for borrowing, the ToolBank has taken considerable efforts to minimize energy usage and address their own stormwater runoff. Already, passersby can see the rain barrels installed out front, and soon the site will feature major stormwater programming at the rear of the property. This coming project will be educational, demonstrating how similar stormwater projects can be utilized on industrial sites. Additionally, they are even exploring solar energy.



Located near the stadiums, in an area which has convenient access to multiple highways, the Baltimore Community ToolBank was created to reach organizations of Baltimore City and its five surrounding counties. However, until more ToolBanks open across the country, organizations in neighboring cities and states are welcomed to utilize this resource, and certainly have taken advantage of that offer so far.

To learn more about the ToolBank, to register as a member agency, or to borrow tools, visit their website at:

**[www.Baltimore.ToolBank.org](http://www.Baltimore.ToolBank.org)**

and put those blue ToolBank tools to good use on your next project.



## SUCCESS STORY: BALTIMORE BIKE PARTY



**“BEST TIME I HAVE EVER HAD ON A BIKE IN BALTIMORE.** My son just kept screaming... This Is the Best Bike Ride EVER!!!!” This is just one of the many posts that have shown up on the Baltimore Bike Party (BPP) Facebook page since its start in April of 2012.

Bike Party is a group bike ride held on the last Friday of every month. Modeled after similar events happening on the West Coast, it was launched as a progressive, positive alternative to the historically confrontational “Critical Mass” movement to take back the streets. The pace is slow, with an emphasis on keeping everyone of all skill levels together, and is treated as more of a “parade” than a standard “ride.” A different route, 10 to 12 miles in length, is planned out each month and posted online before the ride. In addition to the *Ride Leaders*, who control the pace and guide riders, volunteer *Ride Helpers* ride throughout and behind the group. Each month, the ride has a different theme, which boosts the playful atmosphere of the ride. There are, of course, still rules to follow, such as stopping to the right for any emergency vehicles as well as riding sober. **Bike Party has a motto: “Ride, Respect, Revelry.”** The “Respect” extends not just to other riders, but also to pedestrians, drivers, and police, as well as the roadways and parks which

Bike Party utilizes. Designed to be a positive experience for everyone, each ride ends with an after party to celebrate the finished ride. The festivities are held at different venues throughout Baltimore—from breweries to parks.







**The mission of Bike Party is simple: to help others love biking more—and to love Baltimore more!**

The first ride, which was in April of 2012, had about 70 participants. By October, that number had exceeded beyond anyone's wildest expectations and swelled to 1,300 riders. Bike Party provides a safe and fun environment for individuals to become more comfortable riding on city streets. It winds its way through a variety of neighborhoods each

month, celebrating the unique closeness of Baltimore and a shared love for all parts of our City. From Canton to Hollins Market, Cherry Hill to Hampden, Bike Party highlights the increased bike-ability of Baltimore, which applies to residents of any age, race, or economic background. A free event and open to all, Bike Party invites participants to come learn how they can bike to places in the City when they may have never thought it possible.

Collectively, between April 2012 and February 2013, **Bike Party participants have already logged over 50,000 miles on their bikes.**

The hope is that not only will ridership at the event continue to grow (with the expectation of breaking 2,000 riders this year), but that residents will also be inspired to continue using their bicycles in the City between events, forgoing the usual car, or even bus, for an even more environmentally- and health-friendly means of getting around our wonderful City.







## SUCCESS STORY: GREEN REGISTRY



SUCCESS STORY

### Has your organization taken steps to reduce its environmental impact through waste, water, energy conservation and other measures?

Maryland Green Registry members share their environmental successes through [online profiles](#) that include best practices in areas of environmental management and leadership, waste reduction, energy and water conservation, transportation, and green building design. These profiles demonstrate the member's environmental commitment while inspiring others to green their organizations.

To join, applicants describe at least five environmental practices in place at their facility and at least one measurable result related to those practices. The Maryland Green Registry website contains dozens of tips and resources on practices that are included in these profiles in addition to ideas for future projects. Members receive information about technical assistance and educational opportunities that ensure their organization will remain on the path to sustainability.

Each year, the program recognizes outstanding performance through the annual Maryland Green Registry Leadership Awards. These awards are presented to organizations who have shown a strong commitment to sustainable practices, measurable results, and continual improvement. The winners represent a variety of facility types and sizes,

but all have several key factors in common that contribute to their success:

- An organization-wide **commitment to environmental performance**,
- A **green team** that meets on a regular basis,
- Annual **environmental goals**, and
- Measurement of **results**.

Awards are presented at the Maryland Green Registry Annual Awards and Membership Event held in June. This event includes a drawing for the *Look for the Logo* contest, recognizing members that have displayed the Maryland Green Registry logo at their facility.

Last year, **Maryland Green Registry members reported saving over \$63 million through their environmental practices.** Maryland Green Registry members show commitment to strong, proactive environmental practices and to a more sustainable Maryland.

To learn more about Maryland Green Registry, or to become a member, visit their website:

**[www.Green.Maryland.gov/Registry](http://www.Green.Maryland.gov/Registry).**

Or, contact Laura Armstrong at 410-637-4119, or [MarylandGreen@mde.state.md.us](mailto:MarylandGreen@mde.state.md.us)



## SUCCESS STORY: BACK RIVER SOLAR



In April of 2012, Mayor Stephanie Rawlings-Blake and the City of Baltimore celebrated Earth Day by unveiling the installation of a 1-megawatt ground-mounted solar photovoltaic (PV) system, with 4,200 solar panels at the Back River Wastewater Treatment Plant (BRWWTP). The system can generate 1,000 kilowatts of electricity per hour, and reduce the City's carbon emissions by 16,641 metric tons per year.

The Maryland Energy Administration (MEA) received funding through the American Reinvestment and Recovery Act to promote clean, affordable, and reliable energy. As part of this initiative, MEA set aside a significant portion of this funding to promote the installation of renewable energy systems on public buildings in Maryland through Project Sunburst. Through Project Sunburst, the City received a grant from MEA in the amount of \$900,000.

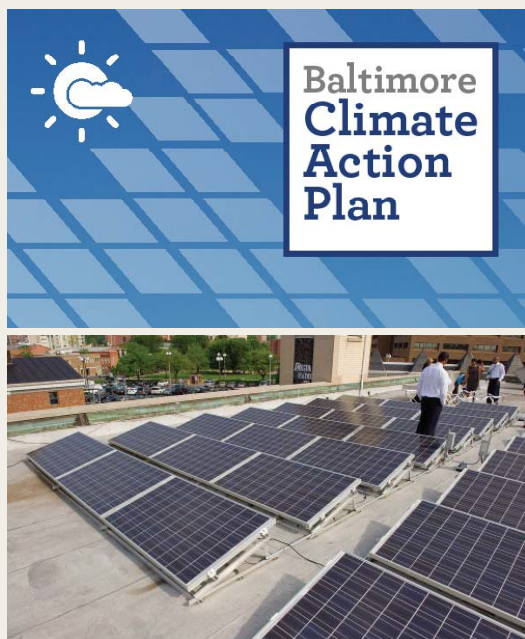
The City of Baltimore, led by the City's Energy Office, has been working aggressively to reduce its use of electricity in city-owned buildings. The implementation of this project has allowed the City to reduce its utility usage,

expand the use of renewable energy, reduce the city's carbon footprint and align with the goals of the city's Sustainability and Climate Action Plans.

The City has partnered with Johnson Controls to implement energy savings performance contracts focused on lighting, HVAC, and controls which has assisted the City in reducing its electricity usage. This solar installation at BRWWTP represents another phase or type of energy servicing contract, geared to renewable energy. Energy servicing contracts leverage savings from energy upgrades and retrofits in order to assist in financing projects.

The installation at BRWWTP represents the first solar or renewable energy installations that the City will be undertaking over the next several years. Due to funding from the Constellation – Exelon merger and an increase in additional energy performance contracting through the City, we expect to see a significant increase in generation in the City.





## SUCCESS STORY: CLIMATE ACTION PLAN



The City of Baltimore adopted and released the Baltimore Sustainability Plan in 2009 to help ensure that Baltimore thrives for generations to come. The Plan promotes 29 priority goals with strategies to realize a clean, healthy, efficient, green, mobile, aware and invested community. One of the primary sectors addressed by the Sustainability Plan is called 'pollution prevention' which includes the priority Goal #1 of reducing Baltimore's greenhouse gas emissions by 15 percent by 2015. The two key strategies associated with this goal call for the creation and implementation of a Climate Action Plan (CAP) for the City of Baltimore that includes greenhouse gas (GHG) emissions based targets.

The City of Baltimore developed the CAP to reduce Baltimore's GHG emissions through a range of strategies targeted at reducing the amount of fossil fuel needed for everyday living. A CAP does much more, however, than just reduce greenhouse gas emissions. If implemented successfully, the CAP will help make Baltimore a more attractive place for existing and future residents, employers and visitors. The strategies that reduce GHG emissions also increase the energy efficiency

of buildings resulting in lower energy and water bills; promote low cost transit options amidst rising fuel costs; promote safer streets for pedestrians and cyclists; improve the public realm and air quality; increase recycling and re-use of materials; green the city through more tree plantings, and cultivated, clean vacant lots; support local jobs; and promote mixed-use and mixed income neighborhoods close to public transit. These outcomes of the CAP in addition to outcomes of the Baltimore Sustainability Plan will create a future for Baltimore that includes:

- An emphasis on energy cost efficiency measures, education and outreach about energy cost saving rebates, re-investments and incentives, photovoltaic and solar hot water installations on homes and businesses and new buildings that use less energy than conventional buildings;
- A business and residential community committed to a more sustainable way of working and living;
- Incentives to encourage commuters to use alternative means to get to work other than driving alone;
- Communities that support transit oriented





- Outlining implementation actions for each proposed measure including responsibilities and time frames; and
- Identifying procedures for monitoring progress made toward achievement of GHG emissions reduction targets.

Baltimore's initiative to develop a CAP distinguishes the city as a true national sustainability leader. CAPs are the primary tool for jurisdictions across the world to reduce their GHG emissions. Across the U.S., CAPs have been adopted at state, county, city and university/campus levels. Although efforts are underway at the global, national and state level, local actions are essential to address the impacts of climate change.

The Baltimore Climate Action Plan was officially adopted on November 29, 2012. Implementation will begin in 2013, and the City of Baltimore is committed to achieving the CAP's goal of a 15% reduction in greenhouse gas emissions by 2020.

development and allow neighborhood commercial districts to flourish;

- Streets that support bicycling and walking for everyday needs and for the daily commute;
- Neighborhoods with clean water and shade for walking through green urban design and landscaping; and
- Water usage that sustains local water supplies.

The CAP is a document that lays out strategies to reduce GHG emissions associated with the activities of a city including businesses, institutions, local government and residents. The Baltimore City CAP is designed to meet these objectives by:

- Informing and inspiring meaningful, cost-effective and feasible means of meeting targets for emissions reductions;
- Enhancing, strengthening and complementing Baltimore Sustainability Plan actions already underway and planned for future implementation;



*Mercy Hospital Green Roof*

To find out more about the Climate Action Plan and how you can become involved, visit

**[www.BaltimoreSustainability.org](http://www.BaltimoreSustainability.org)**





## SUCCESS STORY: HOUSING AUTHORITY OF BALTIMORE CITY



Many fruitful results have come from the partnership between the Energy and Environmental Programs Department of the Housing Authority of Baltimore City (HABC) and the Office of Sustainability of the Baltimore City Department of Planning. Over the past year, the two agencies have coordinated various activities and conducted several resident community meetings, **setting goals to increase HABC residents' awareness of sustainability, energy conservation and cost savings, training and reasonable accommodation, as well as of issues of lead, asbestos and mold investigation, testing and remediation.**

Director Monica Watkins and her team from the Energy and Environmental Programs Department have been pioneers of the programs since the Department was established in 2006. In an effort to better manage and reduce utility costs for the agency, the Department established an energy-efficient policy implementation guide for renovation and restoration of residential units and common areas. In keeping with this goal, at least three additional pioneering initiatives have been launched, all of which are driven by the technological trends of a greener future.

Facing the antiquated utility management system in use at the time, HABC transitioned

to the latest technologies and procured the services of EnergyCAP® software to develop a comprehensive system which would track energy consumption and cost on three distinct levels. With this system, reports and analyses have greatly improved and provided enhanced information; in turn, empowering HABC to employ superior strategic and budgetary planning for future energy projects and savings, beginning first with pilot projects at Pleasant View Gardens (PVG) and Poe Homes Developments.

At the system-wide level, HABC is able to track and compare its metered usage against the utility vendor billings for analysis and confirmation; at the development and building level, the system enhances monitoring usage for a given development or individual building— including common areas; while at the Tenant level, sub-metered units have energy usage tracked at the base level.

Another ground-breaking initiative is the Housing Resident Web Interface (HRWI), an extension module of the EnergyCAP Housing Utility Management System. It is an innovative system that makes it possible for residents to track their own energy consumption and costs either by using a kiosk at the management office or their own home or public computer. As an education and awareness tool, it



enables residents to know whether they are under, within or above their allotted utility allowance.

An additional technological tool introduced by the department as part of the energy management system is the Eye On Energy program. This video program is designed to raise awareness of energy usage and motivate residents to positively modify their consumption behavior. By explaining the basics of conserving water, electricity and natural gas, Eye on Energy will teach HABC residents and staff about the benefits of utility conservation practices, methods, and equipment. Eye On Energy is nearing completion of the production phase and will soon be viewable online.

Central to the successful implementation of the Energy and Environmental Programs is positive resident acceptance, participation and response. To address this matter, the Residents Energy Advisory Committee, comprised of representatives from the Residents Advisory Board who also live in HABC properties was

formed. Monthly Meetings are held to discuss construction timelines, implementation, on-site coordination strategies, among other concerns, and the residents have an opportunity to suggest alternative considerations. The goal is to utilize their experience and knowledge as a voice within their communities to encourage wider resident acceptance, participation and comfort with the impending changes.

The results have been more than exciting. The total electricity cost for PVG during the 2012 calendar year was \$289,111, down from \$414,805 during the 2010 calendar year! Likewise, an individual resident at PVG used \$103.82 worth of electricity in excess of their defined allowance in January 2011, but used an excess of only \$30.61 worth of electricity in January 2013. The promise is obviously great, and the prospect for more and more cost and consumption savings remains inspiring.





## SUCCESS STORY: CUSTOMER INVESTMENT FUND



On February 17, 2012, the Maryland Public Service Commission (PSC) conditionally approved the merger of Exelon Corporation (Exelon), Constellation Energy Group (CEG), Baltimore Gas & Electric (BGE) and Exelon Energy Delivery Company, LLC. Included in the more than 40 conditions associated with the merger, was the requirement that the new company create a \$113.5 million Customer Investment Fund (CIF) to invest in energy efficiency and low-income energy assistance.

The PSC set a June 15, 2012 deadline for organizations and jurisdictions to submit proposals on how to allocate the CIF monies. PSC Chairman Douglas Nazarian stated that they would be looking for “big ideas with lasting impact.”

In January 2012, a team of City agencies – Law, Housing & Community Development's Green & Healthy Homes Division, Office of Sustainability (Baltimore Energy Challenge), Mayor's Office of Human Services (Community Action Centers & Energy Assistance), and Department of General Services Energy Office – started meeting to discuss how to best align City programs to take advantage of any opportunities that would arise from the Exelon-Constellation merger. This team looked to put together a proposal that would specifically align existing services and programs, while at the same time provide the framework for the larger “big idea” that the PSC was looking for.

The City of Baltimore has some of the most significant low-income energy needs, costs and challenges in the state. During 2011, The City administered \$32 million in Energy Assistance benefits to 36,500 Baltimore households. Significant obstacles and barriers exist that prohibit homeowner's and renters from being able to take advantage of weatherization and energy retrofit services. Combined, these challenges feed a continuous,

unsustainable cycle of unmanageable energy costs for families throughout the City.

To address this, the City team laid forth three major objectives that the proposed programs would achieve:

1. Transform building energy systems to improve efficiency and reduce public costs: The City will target non-profit organizations, community facilities, schools and small businesses that serve low-income residents.
2. Deliver extensive energy education to prevent new clients from falling into crises: CIF funds will equip the City's primary agency promoting behavior change on energy usage to serve as a continuous outlet that utilizes community partnerships to deliver broader and more targeted energy education to low-income customers in coordination with energy assistance and efficiency services.
3. Transform energy service delivery to stabilize low-income households currently in energy crisis: The goal is to measurably decrease cases of arrearage, shut-offs and excess usage. This strategy can permanently break the cycle of energy crisis for repeat energy assistance applicants by stabilizing their home infrastructure and finances.

In order to achieve these objectives, the City developed a framework and program called “CREATES”: Coordinating Resources to Effectively Align and Transform Energy Services. The City submitted to the PSC a \$52 million request to fund the CREATES program. Core to the CREATES model is the maxim that energy programs do not and cannot operate in a vacuum. In addition, this model looks not only to align existing City services, but successfully partner and integrate with State agencies, and non-profit partners.



The core of the CREATES model was to build upon successful existing programs that have been running for several years. These key programs and successes include:

- *Administering the largest Weatherization Assistance Program in the State of Maryland, weatherizing 4,277 households over three years through the Baltimore City Department of Housing & Community Development (HCD).*
- *Engaging communities in energy conservation through the nationally recognized Baltimore Energy Challenge. Using peer-to-peer networks and grassroots support, the Baltimore Energy Challenge has targeted neighborhoods, schools and businesses to lower their electrical usage through behavior modification by 6.6% on average.*
- *Helping non-profits and public facilities lower their energy use and re-invest the savings into services through the Department of General Services Energy Office (DGS). DGS has administered \$1.2 million in successful grant programs to lower energy usage for non-profits.*
- *Serving 17,000 energy assistance customers per year with wrap-around education and self-sufficiency programming through the Mayor's Office of Human Services Community Action Partnership. Using benefits coordination, financial programming and other human services, Community Action is delivering energy assistance services in a more holistic way that encourages self-sufficiency.*

The CREATES model covers five sectors, with four key strategies (Align Services, Maximize Leveraging, Client Education at Every Step, Prioritize Hard Metrics) that provide solid support and foundation at every sector level. The five sectors are:

**1. Community Empowerment:** The City's community centers and other local, grassroots, community-based organizations such as non-profits, schools and neighborhood organizations serve as the first responders to low-income customers with energy needs. These facilities and their constituent organizations need to be sustained as hubs for energy efficiency education and as conduits to refer and leverage resources within the larger CREATES network.

**2. Energy Assistance:** Financial assistance for low-income utility customers will be transformed from a handout to a portal that directs customers into the optimal levels of education, efficiency and case management requisite to their unique needs.

**3. Case Management:** Low income customers with complex energy needs require case management to navigate the confusing web of applications, eligibility requirements, constant funding changes and coordination across agencies. CREATES will provide access to the services necessary to stabilize households and avoid future energy crises.

**4. Energy Efficiency:** Low income customers with significant energy usage require in-home energy conservation and education to help reduce utility bills and progress towards energy affordability. CREATES will combine cost effective programs to provide customers with low tier retrofit installation and energy efficiency education to maximize savings for clients.

**5. Energy Efficiency Plus:** Customers with extreme usage and affordability issues require a deeper level of intervention. The CREATES network will leverage deep energy efficiency resources and combine them with wrap-around non-energy related services and benefits to break the cycle of energy crisis.

On August 6, 2012, representatives from the City agency team joined Mayor Stephanie Rawlings-Blake, in testifying before the Public Service Commission to articulate the need for the CREATES program in Baltimore, and to defend the City's \$52 million funding request.

The PSC announced the awardees of the Customer Investment Fund monies on November 8, 2012, and announced that it had awarded the City of Baltimore \$52,876,304 over three years, and stated in their official order that they "especially liked the way in which the individual components of the (CREATES) program coordinated with each other to maximize effectiveness and minimize administrative costs." The City's CREATES program will start implementation in 2013, engaging thousands of citizens and effectively changing the landscape of energy conservation within the City.



**FARM ALLIANCE**  
BALTIMORE CITY

Learn more about The Farm Alliance of Baltimore City! Visit their webpage at:

**www.  
FarmAllianceBaltimore  
.org**

*Contact information for each of their member farms may be found in the Partner List at the end of this Report.*

## SUCCESS STORY: FARM ALLIANCE



The Farm Alliance of Baltimore City is a member-run network of urban producers **committed to growing more farms and more food in Baltimore.** The Farm Alliance formally began in Winter 2012 and grew out of existing collaborations between farmers. In its first season, the Farm Alliance and its nine member producers launched their joint brand, operated a collective stand at the 32<sup>nd</sup> Street Farmers Market, shared an EBT/Debit/Credit machine for neighborhood farm stands, acquired shared tools and equipment to increase efficiency, ran training programs for new farmers, and more! **From June 2012 through December 2012, Farm Alliance members: harvested 22,044 pounds of food; sold \$74,426 of products; coordinated 4,836 volunteer hours; and hosted 2,784 students and youth at their farms.**

Looking ahead to the 2013 season, the Farm Alliance is excited to be expanding the network with new members and launching new programs. With support from the Abell

Foundation, members of the Farm Alliance will be offering double dollars matching funds at neighborhood farm stands to increase purchasing power for customers receiving federal and state nutrition benefits. The Farm Alliance will also be aggregating sales to restaurants and small grocers through an easy, streamlined ordering and delivery process. The Farm Alliance is developing membership standards to ensure safe and ecologically sound growing practices while providing training and resources to new and existing farmers.

There are many obstacles to running a viable urban farm. Members of the Farm Alliance identify areas where collaboration can help farms overcome these barriers and spark positive change in their neighborhoods. For the Farm Alliance, urban food production presents an amazing opportunity to revitalize vacant land, increase food access, build our hyper-local economy, and strengthen neighborhoods.





## SUCCESS STORY: CHESAPEAKE COMPOST WORKS



Chesapeake Compost Works opened in October of 2012, and is Maryland's largest food scrap composting facility. They convert food, ground wood, and other organic waste products into healthy, sustainable soil that's used in gardens and landscapes throughout Baltimore City and the greater region. **Large-scale composting is an important innovation in reducing waste being sent to the landfill, reducing greenhouse gas emissions, and providing the soil needed to support the urban agriculture and greening initiatives throughout the city.**

Chesapeake Compost Works has a capacity of 180 tons of food scraps every week, and to date has composted more than 1,000 tons. This is all done indoors with an aeration system designed to increase the speed at which material breaks down while controlling odors. They partnered with organic waste haulers to compost from area restaurants, hotels, university cafeterias, food processing businesses, and caterers. They also work with

two businesses that pick up residential food scraps, the first of its kind in Baltimore.

They are currently producing and selling high quality compost to residents and other businesses looking for nutrient dense living soil that plants thrive in. Compost has already been sold and is being used on urban farms and residential properties throughout the City.

The facility is located in the residential and industrial neighborhood of Curtis Bay. Chesapeake Compost Works is dedicated to hiring local residents, and currently employs five people, three of which live in the neighborhood and walk to work. They also strive to redefine industrial business. Being surrounded by petroleum and coal companies, Chesapeake Compost Works is proud to be an alternative to polluting industries which are often at odds with their neighbors, and it's showing that underused industrial property can be productive and profitable, employ local residents, and improve the environment of Baltimore City.



## SUCCESS STORY: GATHER BALTIMORE



Gather Baltimore is a volunteer-based program, created by Open Society Institute fellow Arthur Gray Morgan, that collects unsold vegetables, fruit, and other food from local farms, farmers markets and retail sources for distribution through meal programs, faith communities, and pop up farm stands. Gather Baltimore ensures that this food does not become waste but is instead made available to financially challenged families in communities where fresh healthy food is not readily accessible.

As an urban farmer, Arthur Gray Morgan was shocked to learn how much food was tossed away after a farmer's market. Morgan thought to himself, **"Holy moly, there are so many people who need this food!"** Now, Morgan and a group of volunteers are bringing healthy food to neighborhoods throughout Baltimore. They harvest, pick-up donations from local stores, and collect unsold produce from the farmer's market. The food is then delivered to local communities—free of charge.

By design, Gather Baltimore's services impact far more than just those people being fed or the farms being harvested. They lift up other food

serving organizations by providing them with a staggering amount of real food at no cost. Adrian, Executive Chef at Moveable Feast, listed Gather's contributions to date as **1,000 squash, 3,000 potatoes, 1,000 turnips, 500 apples, and 75 bushels of greens** (kale, collard, turnips, etc.)—and the deliveries keep coming. A client of Moveable Feast states, "It is with great pleasure to thank all with Moveable Feast for the fresh vegetables and fruit that are provided with the food deliveries. More of this is needed to maintain good health and weight...The fresh greens were a joy indeed, which I chopped, blanched, bagged in portions and froze most, but did have some with my dinner that evening. ***It makes a world of difference.***"

Gather Baltimore also delivers to the Helping Up Mission and The Franciscan Center of Baltimore—providing a resource for these nonprofit organizations that allows them to increase funding on other services. And, in the case of Moveable Feast, provides more of the fresh vegetables and fruits on which their clients rely. The need for this service is immense, and so Morgan recently purchased a refrigerated food truck; He plans to expand the service and increase the delivery schedule.

SUCCESS STORY





## DATA AND INDICATORS

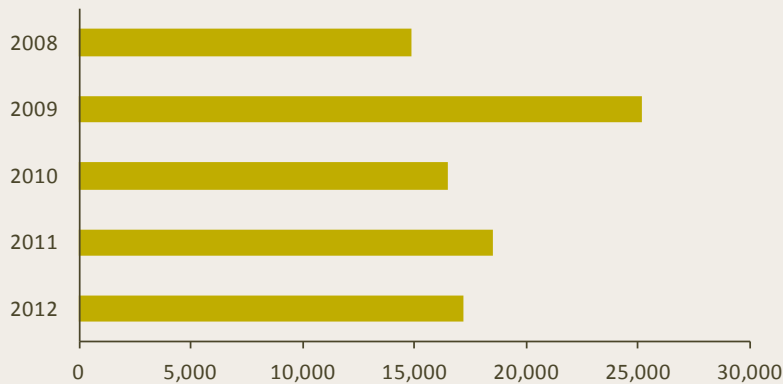
*“The proper use of science is not to conquer nature but to live in it.”*  
-Barry Commoner



# CLEANLINESS

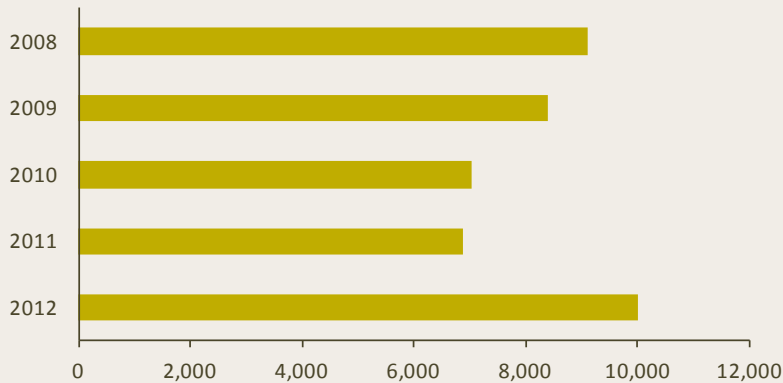
## CLEAN STREETS

### NUMBER OF SERVICE CALLS FOR DIRTY STREETS



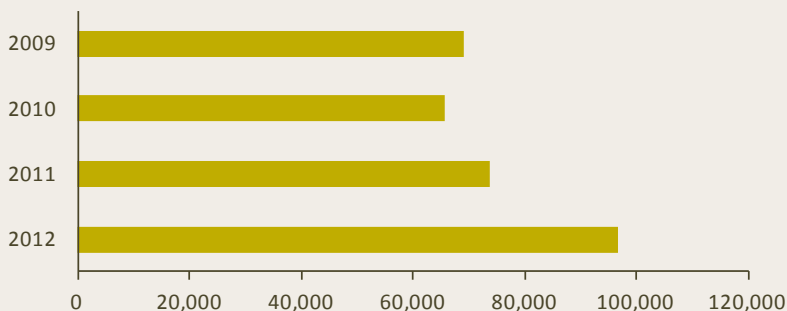
As noted in the sustainability plan, there is too much litter in the streets, neighborhoods, public spaces and storm drains of Baltimore. Efforts have been made to improve enforcement of the sanitation code, but it also takes residents placing calls and alerting officials to issues in their community. The increase in service calls for dirty streets shows that residents are engaging in the process to help keep our streets clean. In 2011 there were 18,516 calls, and calls decreased to 17,182 in 2012.

### TONNAGE COLLECTED FROM STREET SWEEPING



In 2012, there was an increase in the tonnage collected from street sweeping in the City of Baltimore. A total of 9,989 tons of litter had been collected, compared to 7,161 tons in 2011. This is a 39% increase in tonnage collected.

### MILES OF STREETS SWEEPED



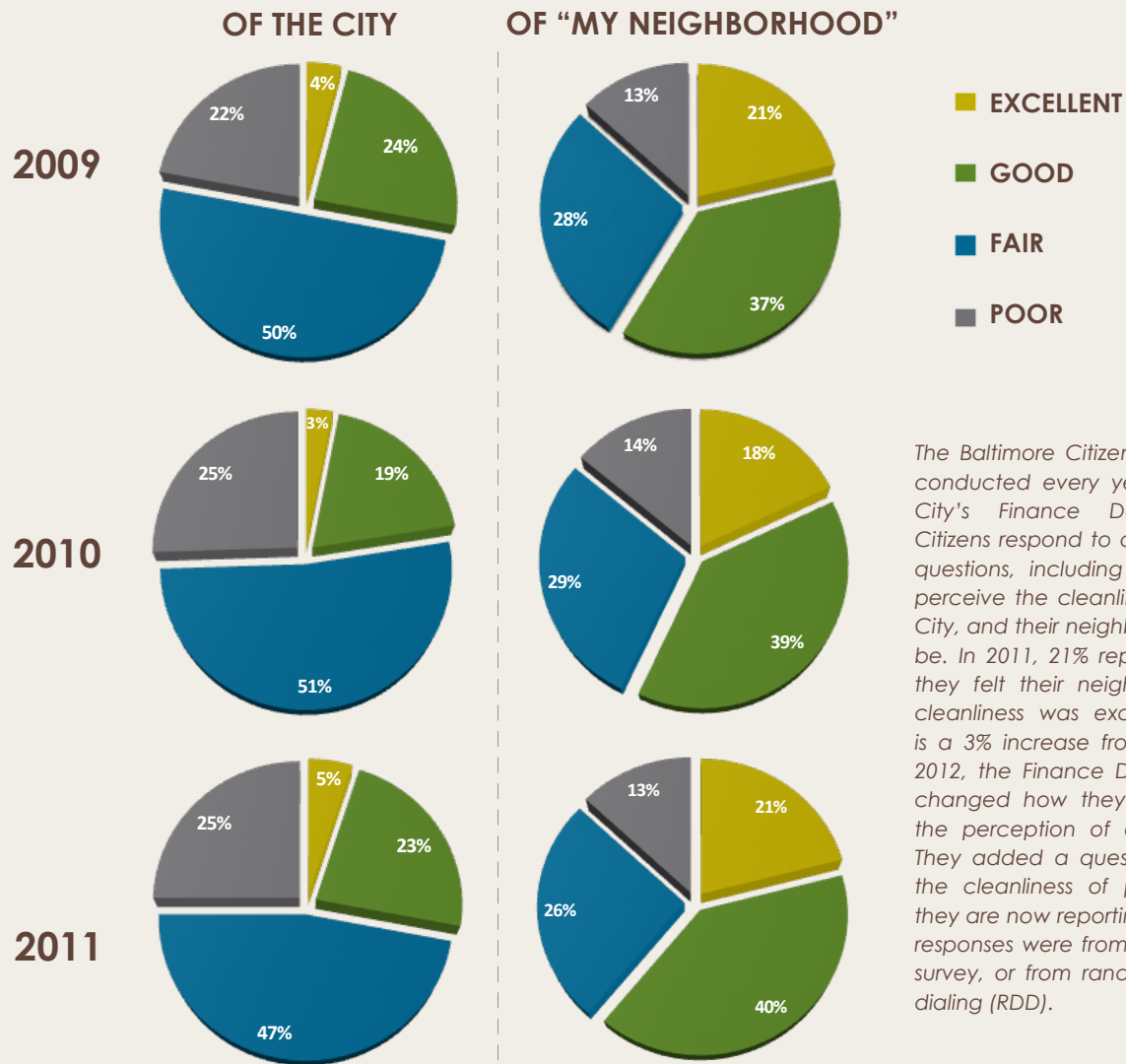
While there was a significant increase in the tonnage collected from street sweeping in Baltimore, there was also increase in the number of miles that were swept in 2012. In 2012, there was a 30% increase in miles of streets swept compared to 2011. 74,048 miles of streets were swept in 2011, and 96,625 miles were swept in 2012.



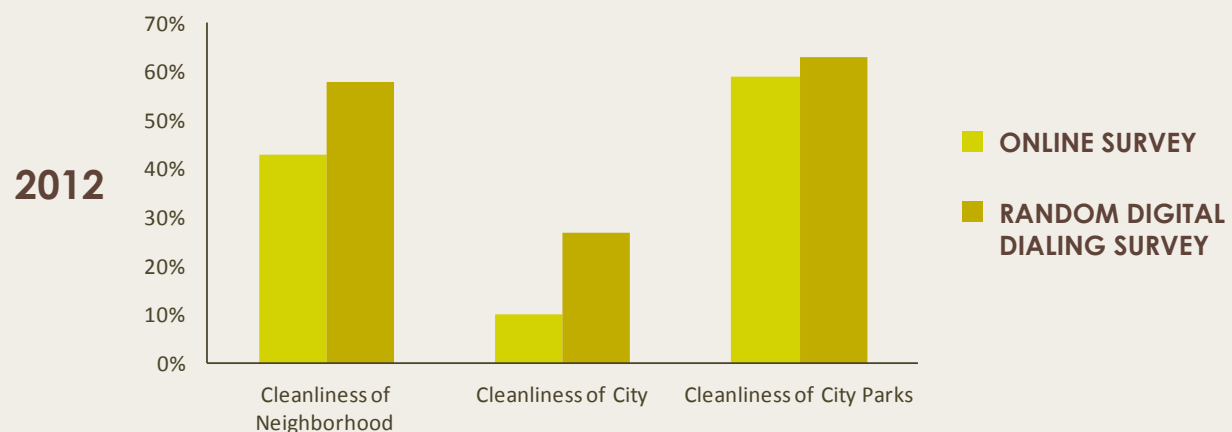
# CLEANLINESS



## PERCEPTION OF CLEANLINESS



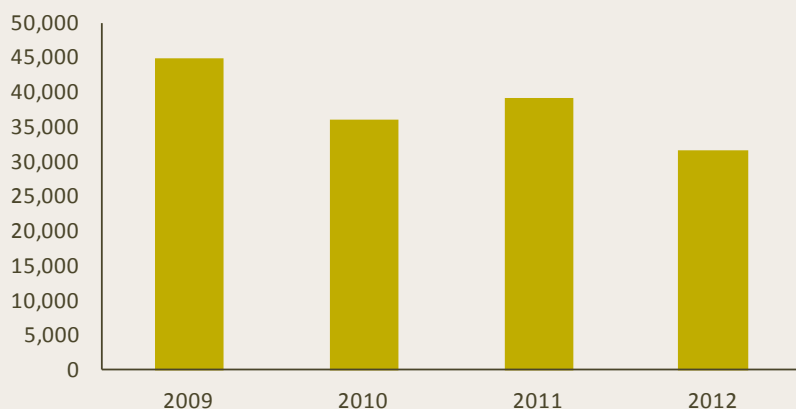
The Baltimore Citizens Survey is conducted every year by the City's Finance Department. Citizens respond to a variety of questions, including how they perceive the cleanliness of the City, and their neighborhood to be. In 2011, 21% reported that they felt their neighborhood's cleanliness was excellent; this is a 3% increase from 2010. In 2012, the Finance Department changed how they report on the perception of cleanliness. They added a question about the cleanliness of parks, and they are now reporting whether responses were from the online survey, or from random-digital-dialing (RDD).





# CLEANLINESS

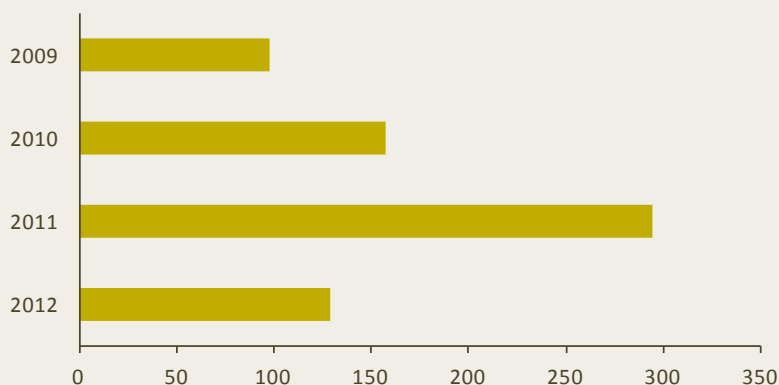
## HCD ISSUED TRASH RELATED CITATIONS



Housing and Community Development Code Enforcement Division have increased efforts to enforce sanitation codes involving trash and litter. 2009 represents an all time high based on the additional focus related to the City's "One Plus One" program that debuted that year. There was a reduction in trash related citations in 2012.

## ADOPT-A-LOT LICENSES

### NUMBER OF LOTS ADOPTED



The City of Baltimore's Adopt-A-Lot program is specifically designed for community gardens and neighborhood beautification. Residents and neighborhood organizations can complete an Adopt-A-Lot License Agreement, and transform vacant lots into assets for their communities. In 2012, there were a total of 129 adopted lots in the City, which is a decrease of 165 from 2011. In 2011, the City partnered with the Water Department to provide access to water for adopted lots for a low fixed rate, making it easier to maintain these beautified spaces. For information on available lots in your neighborhood, or for an application, call 410-396-4111, email [V2V@baltimorecity.gov](mailto:V2V@baltimorecity.gov), or visit [http://www.baltimorehousing.org/vtov\\_adopt](http://www.baltimorehousing.org/vtov_adopt)

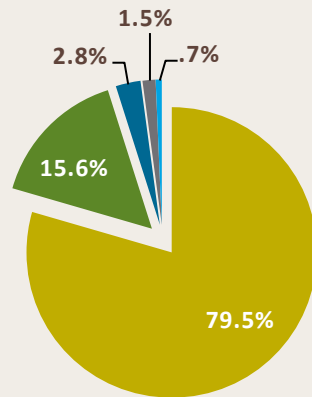


# POLLUTION PREVENTION



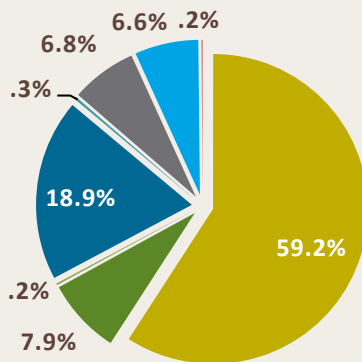
## GREENHOUSE GAS EMISSIONS INVENTORY

### BALTIMORE COMMUNITY-WIDE GREENHOUSE GAS EMISSIONS INVENTORY



In 2011, the City of Baltimore completed its first Greenhouse Gas Emissions Inventory update since 2007. This update was a part of part of the Climate Action Plan development that occurred in 2012. The City's consultant, AECOM, also completed a peer review of the data and assisted in analysis. The 2010 Greenhouse Gas Emissions inventory for the City's Community-Wide data showed total emissions of 7,579,144 MT CO<sub>2</sub>e/yr. Total emissions for City Government were 588,170 MT CO<sub>2</sub>e/yr. The 2010 Greenhouse Gas Emissions Inventory will now serve as the baseline inventory for the City of Baltimore. With the development of the City's Climate Action Plan, we expect to see reductions as measures are implemented. The next emissions inventory will take place in 2014.

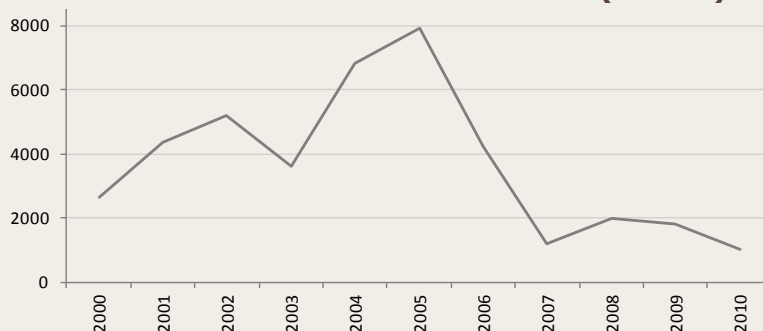
### BALTIMORE CITY GOVERNMENT GREENHOUSE GAS EMISSIONS INVENTORY



- Buildings & Facilities
- Streetlights & Traffic Lights
- Water Delivery Facilities
- Wastewater Facilities
- Solid Waste Facilities
- Vehicle Fleet
- Employee Commute
- Transit Fleet

## STORM DRAIN AND INLET CLEANING

### AMOUNT OF DEBRIS REMOVED (in Tons)



An important aspect of ensuring that our water bodies are swimmable and fishable is keeping trash and debris 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 tonnage collected in 2010, is in part due to the severe weather conditions that occurred in February of 2010. Data is not yet available for 2011, but it is estimated that it will be close to the 2009 data.



# POLLUTION PREVENTION

## CODE RED DAYS IN BALTIMORE CITY

### EXCESSIVE HEAT CODE RED DAYS



The Health Department has established the Code Red declaration criteria based on historical information, climatological norms, and guidance documents from other jurisdictions. The City Health Commissioner declares a Code Red Heat Alert during periods of extreme heat. In 2012, Baltimore experienced 17 extreme heat days.

## AIR QUALITY CODE RED DAYS

	Number of days			
	2009	2010	2011	2012
<b>Very Unhealthy</b> Everyone may experience more serious health effects and should avoid outdoor activities, especially individuals with heart and breathing ailments, children, and older adults.	0	0	0	0
<b>Unhealthy</b> Everyone may experience health effects and should limit their outdoor activity; members of sensitive groups may experience more serious health effects.	1	6	5	2
<b>Unhealthy for Sensitive Groups</b> Members of sensitive groups, children and adults with respiratory and heart ailments, may experience health effects and should limit time spent outside. The general public is not likely to be affected.	10	30	19	20
<b>Moderate</b> Air quality may pose a moderate health risk, especially for those who are unusually sensitive to air pollution.	58	66	53	105
<b>Good</b> Air quality is considered good, and air pollution poses little or no risk.	252	259	286	238

The Air Quality Index (AQI) is used to forecast and report on daily air quality for Baltimore. The AQI utilizes a numerical, and color coded scale to report on the air quality, and it is calculated on the presence of the following five air pollutants: particulate matter, ozone, carbon monoxide, sulfur dioxide, and nitrogen oxide. In 2012, we saw an increase in the number of moderate or yellow code days and a decrease in unhealthy days.

Source: Clean Air Partners



# POLLUTION PREVENTION



## PREVENTION PROGRAMS IN BALTIMORE

### COALITION TO END CHILDHOOD LEAD POISONING PROGRAMS

	2009	2010	2011	2012
Properties receiving lead hazard reduction interventions	323	165	121	139
Properties receiving Healthy Homes interventions to reduce indoor allergens and safety hazards	261	201	123	127
Tenants provided with tenant's rights assistance to repair lead hazards in their home	414	152	153	3093
Families receiving relocation assistance from lead hazardous housing to lead certified housing	213	62	43	35

Effective education and outreach by City government and non-profit partners has helped combat lead poisoning cases in the City of Baltimore. In 2011, the number of children in Baltimore meeting the federal guidelines for elevated blood lead levels dropped from 2,189 in 2000 to 258. In 2012, the CDC revised the level of concern for lead exposure from 10ug/dL to 5ug/dL. Although there are no CDC guidelines for interventions to manage lead levels <10ug/dL, the City is offering a voluntary program to residents to address the concerns around low level lead exposure. Additionally, the City and non-profit partners are committed to lowering the number of ER visits related to asthma by offering comprehensive home visiting and community based education programs geared towards asthma management.

### HEALTH DEPARTMENT INDOOR ENVIRONMENT IMPROVEMENT PROGRAMS

	2009	2010	2011	2012
People trained in home environmental asthma	N/A	368	365	455
People trained in lead and healthy home interventions	1,580	1,058	400	378
People trained on integrated pest management (IPM)/bed bugs	N/A	1,750	N/A	556
Families provided with a comprehensive home visit to assess conditions	2,633	1,108	600	502
People who received lead and healthy homes materials and outreach at health fairs	37,269	39,229	N/A	10,000*

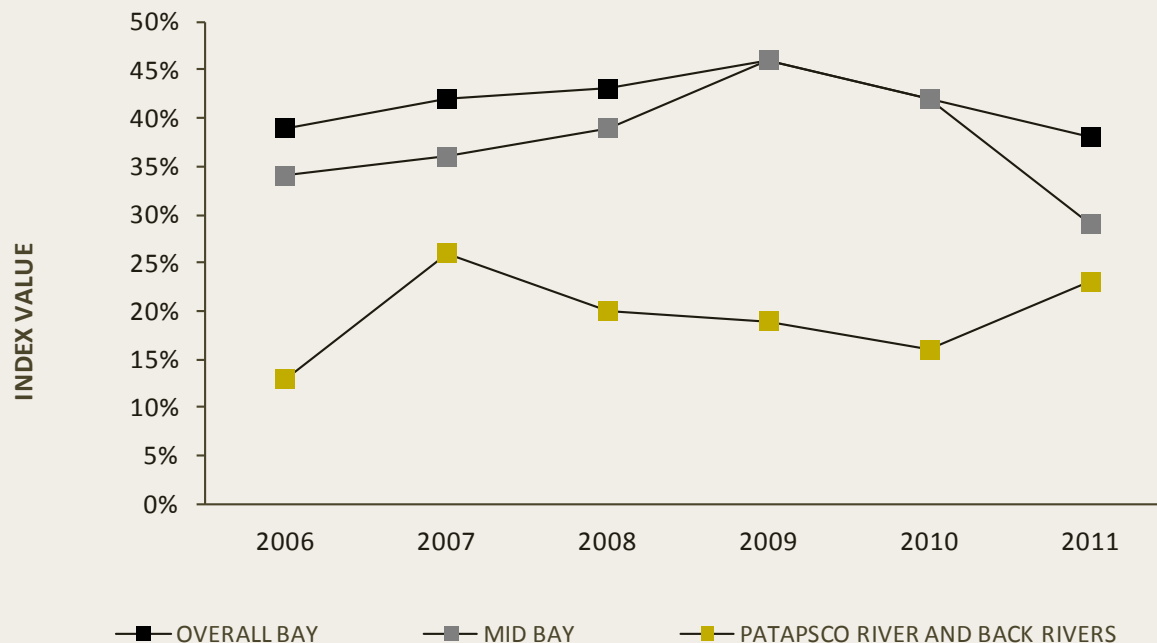
\*Approximate

While not exhaustive of all efforts, these figures illustrate examples of ongoing efforts in Baltimore to improve health of indoor environments. Integrated 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 environmental hazards is crucial to help abate the problems that exist in Baltimore.



# 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. 2011 is the most recent report available. Included are figures for Overall Bay, Mid Bay, and Patapsco and Back Rivers which flow through Baltimore. 2011 saw a decrease in scores for the Overall Bay, while Patapsco and Back River increased its Index Score – going from 16% to 23%.

### GRADE KEY:

- A = 80-100
- B = 60-80
- C = 40-60
- D = 20-40
- F = 0-20

## EPA & BROWNFIELDS PROGRAMS

	2009	2010	2011	2012
EPA-funded Site Assessments	4	1	7	6
Baltimore Brownfields Tax Credits	4	0	1	8

Enacted in 1998, the Baltimore Brownfields Tax Credit is designed to encourage the cleanup and redevelopment 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 directly impacted the number of tax credits approved in 2010 and 2011, but 2012 saw an increase in these credits.

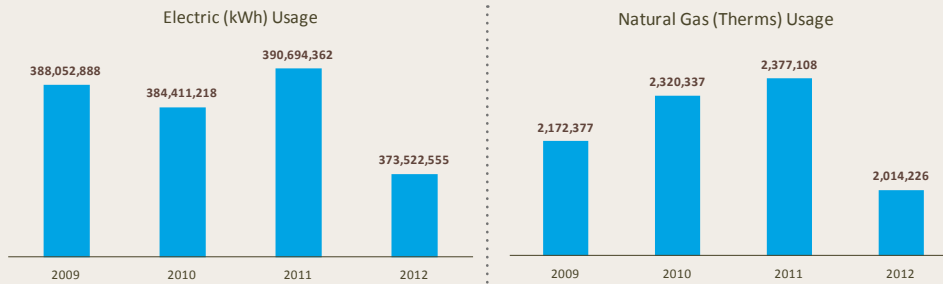


# RESOURCE CONSERVATION



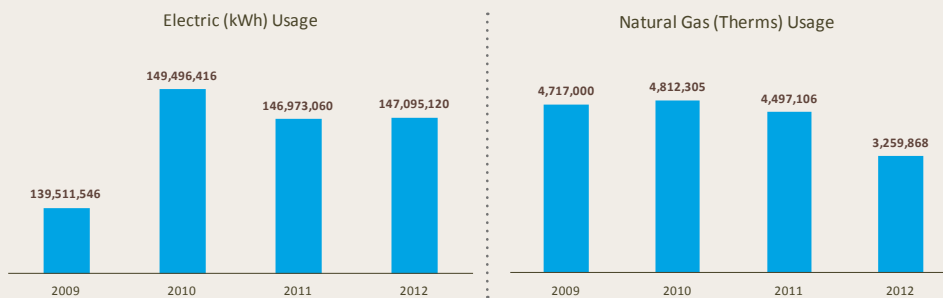
## BALTIMORE CITY ENERGY USAGE

### CITY GOVERNMENT ENERGY USAGE

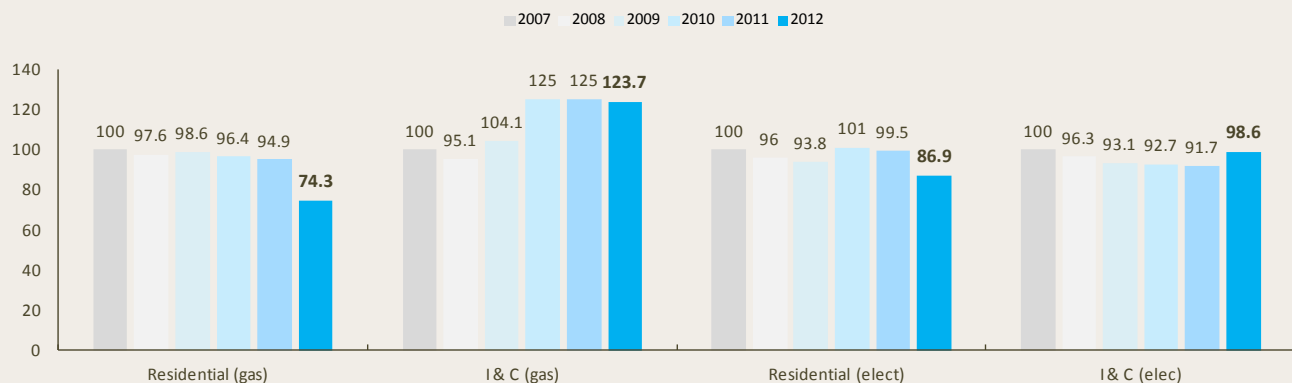


The City of Baltimore, working with the contractor Johnson Controls, has been implementing numerous energy saving features in a number of city buildings.. We expect to see savings from these retrofits over the coming years. A number of schools are receiving new windows and boilers, as well as energy efficiency education with students, teachers, and administrators on behavior change actions that can be taken in a school to save energy. City government reduced its electric kWh usage by over 4% in 2012, and reduced its natural gas usage by over 15%. City schools reduced their natural gas usage by over 27%.

### BALTIMORE CITY PUBLIC SCHOOLS ENERGY USAGE



## ENERGY USE RELATIVE TO 2007 BASELINE



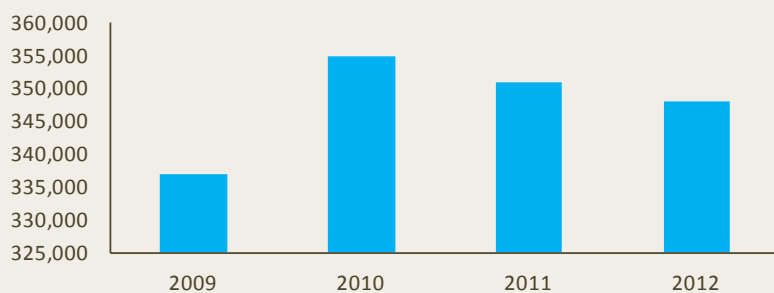
Changes in electricity and natural gas consumption are affected by a variety of factors including weather variations, behavior changes, economic health, technology, and population shifts. In 2012, we saw reductions across all sectors (Residential Electric & Gas, Industrial & Commercial Electric) except for Industrial & Commercial Gas. Residential electricity usage in the City decreased 13.1% from the 2007 baseline.



# RESOURCE CONSERVATION

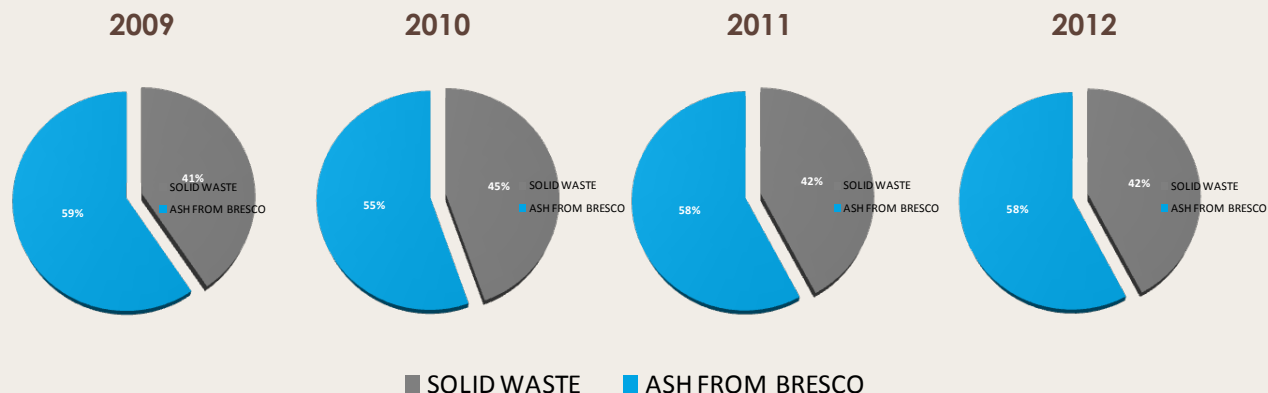
## QUARANTINE ROAD LANDFILL TONNAGE

### TOTAL TONNAGE TAKEN TO LANDFILL

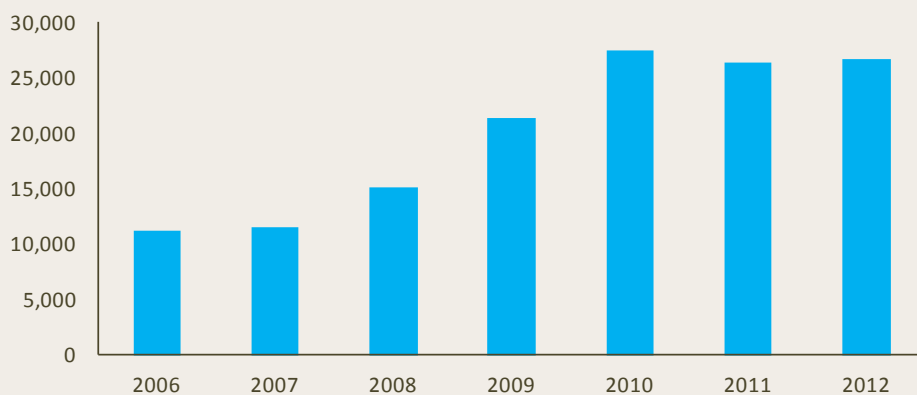


The City of Baltimore disposes of some municipal solid waste at the Quarantine Road Landfill. In 2012, there was a decline in the total tonnage disposed of at Quarantine Road, with 347,950 tons of waste being disposed of. A significant percentage of waste per year disposed of at Quarantine Road is the ash from Wheelabrator BRESCO waste-to-energy facility. In 2012, 42% of the waste was ash.

### PERCENTAGE OF LANDFILL TONNAGE ASH FROM BRESCO



## RECYCLING TONNAGE COLLECTED BY DPW



Recycling since 2009 has increased overall dramatically due to the introduction of Single Stream Recycling. In 2012, there was light increase in the total recycling tonnage collected, increasing from 26,329 tons to 26,757 tons.



# RESOURCE CONSERVATION

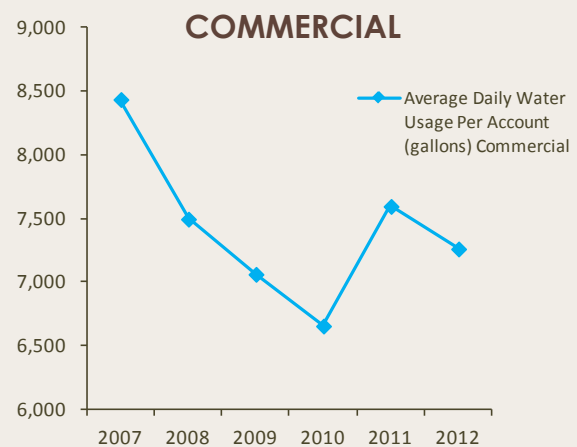
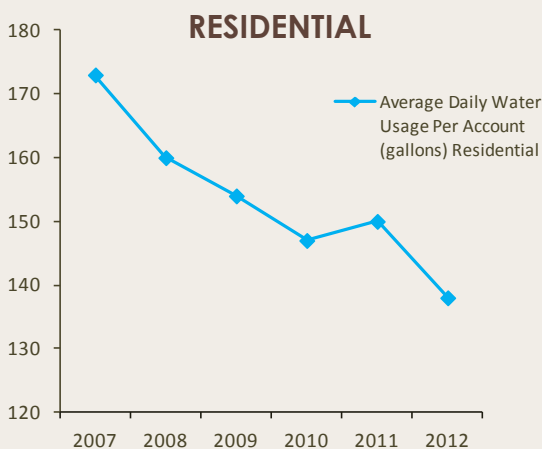


## WHEELABRATOR BRESKO BALTIMORE TONNAGE

	2009	2010	2011	2012
January	17,176.40	14,102.40	12,459.26	13,806.20
February	15,055.20	10,348.14	13,855.96	12,701.31
March	14,885.81	17,328.57	16,924.04	11,488.27
April	19,935.24	18,586.33	16,845.42	13,332.49
May	21,697.62	16,618.95	17,412.99	17,280.10
June	21,882.62	16,725.41	14,291.52	15,243.21
July	20,417.32	17,695.03	14,277.79	16,564.85
August	17,451.42	16,987.97	16,978.73	18,613.11
September	17,527.79	16,669.13	16,913.47	15,410.25
October	16,647.44	16,373.14	14,293.77	15,604.60
November	17,242.22	16,321.13	16,319.69	15,122.22
December	16,868.13	16,314.38	16,711.82	13,692.94
<b>TOTAL</b>	<b>216,787.21</b>	<b>194,070.58</b>	<b>187,284.46</b>	<b>178,859.55</b>

The City of Baltimore diverts and disposes of most municipal solid waste to the Wheelabrator Baltimore (BRESKO) waste-to-energy facility. Since the implementation of the ONE PLUS ONE program, the total tonnage of waste being diverted to BRESKO has declined. In 2012, 178,859 tons of waste was diverted to BRESKO. The facility can generate up to 60,000 kilowatts of electricity per day.

## 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 had declined steadily since 2007 in both the Residential and Commercial sectors. Excessive water use depletes our freshwater sources, and requires significant energy use to treat and deliver. In 2012, residences used an average of 138 gallons of water per day. Through several programs that promote the use of low flow faucets, showerheads and toilet tank banks, we hope to see continued savings.



# GREENING

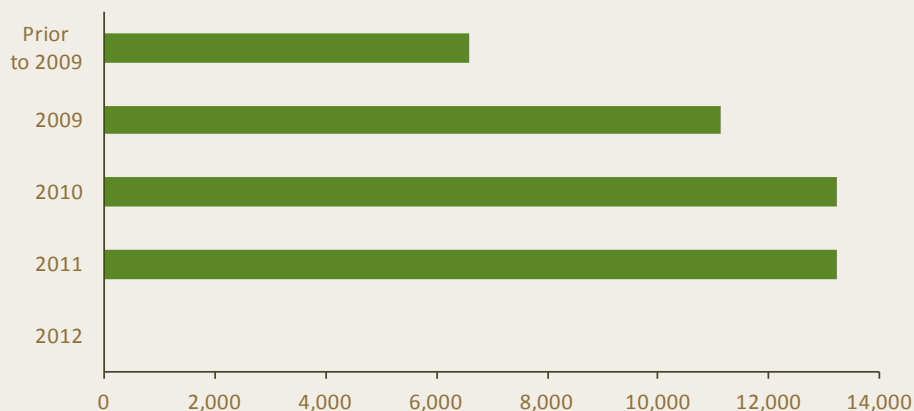
## TREE CANOPY: NET GAINS AND LOSSES

	Number of Trees			
	2009	2010	2011	2012
Residential Plantings (1)	3,391	2,780	2,575	2,950
School, Park & Community Plantings (2) (3)	852	2,225	2,864	3,386
City Street Tree Plantings (4)	1,800	900	485	1,285
Road Reconstruction Plantings (5)	500	500	500	500
Trees Lost to Storms & Poor Health (6)	-2,750	-3,094	-4,259	-3,195
Net Increase or Decrease (7)	3,793	3,311	2,165	4,926
Running Total (8)	128,793	132,104	134,269	139,195
Canopy Coverage (9)	27%	--	--	--

(1) TreeBaltimore donations to home owners and contributions to Growing Home Campaign and Marylanders Plant Tree Program. (2) Larger specimen trees from TreeBaltimore, planted in cooperation with NGO partners. (3) Reforestation plantings are excluded. They are considered zero net gain. (4) Large street tree specimens currently planted under contract with 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 parkland. (9) Based on satellite imagery provided by USDA Forest Service every three years.

## STREAM RESTORATION

### CUMULATIVE 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. While several projects are planned, no projects were started or completed in 2012. No stream restoration projects were completed in 2012. Department of Public works received bids for work that were too high given budget constraints.





## BALTIMORE FOOD POLICY INITIATIVE

Metric	2010	2011	2012
Electronic Benefit Transfer Transactions	763	1,656	3,294
Electronic Benefit Transfer Sales	\$15,113	\$27,664	\$54,948

Metric	2010	2011	2012
Number of Public Market Vendors with Healthy Carry-out Menus	0	4	24

### Farmers Markets

Launched SNAP benefits and debit card usage at the Baltimore Farmers Market and Bazaar, the city's largest farmers market. The program included 38 vendors.

### Public Markets

Expanded the number of carry-out vendors participating in the program at Lexington Market.

### 2012 KEY ACCOMPLISHMENTS

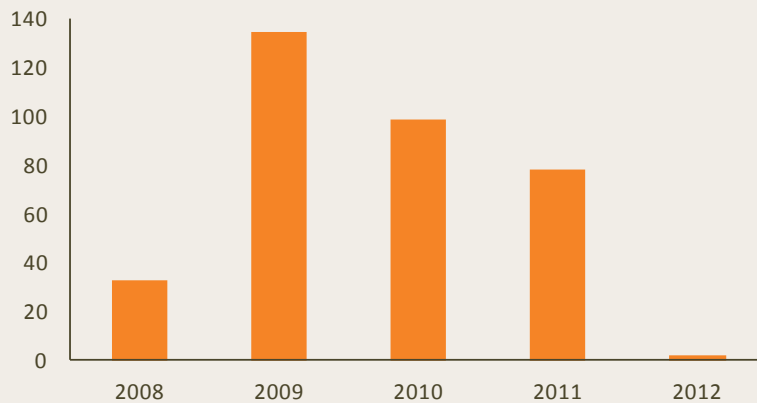
BFPI supported Mayor Rawlings-Blake in establishing the United States Conference of the Mayors (USCM) Food Policy Task Force where she serves as vice-chair and provides leadership on food access issues; launched the Get Fresh Get Fit Public Market Initiative; raised funds to contract a nationally renowned consultant to conduct a comprehensive School Food Assessment and develop a School Food Strategic Plan; advocated for food policies at the city, state and federal levels; and developed the Food Desert Retail Strategy.



# TRANSPORTATION

## BICYCLING IN BALTIMORE

### NUMBER OF BIKE RACKS INSTALLED

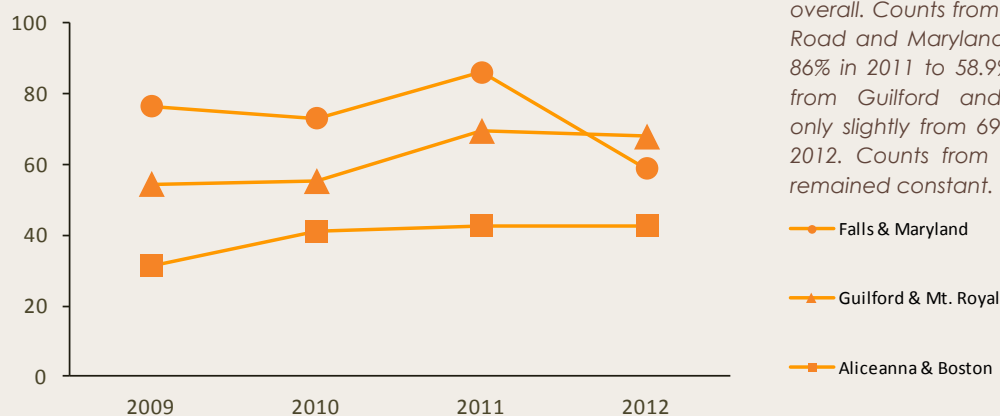


We are now reporting on all of the different on-street bike facilities. The number of bike racks (left) installed also fell from 78 in 2011, to 2 in 2012. The number of new bike lanes (below) in Baltimore increased in 2012 to a total of 13.2 lane miles, following a drastic decrease in 2011, with only 4.8 miles being installed. In November of 2011, the City of Baltimore announced an agreement with B-cycle to provide bicycle sharing in Baltimore.

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

Year	> 2006	2006	2007	2008	2009	2010	2011	2012	TOTAL
Bike Lane	1.7	0.6	8.4	4.5	6.1	16.9	3.2	7.1	41.2
Contraflow	-	-	-	-	-	0.5	-	-	0.5
Shared Bike/ Bus Lane	-	-	-	-	1.5	0.5	-	-	2
Sharrow	0.6	-	7.1	13.4	0.9	21.2	-	2.7	45.9
Sidepath	-	-	-	0.3	-	0.1	-	-	0.4
Signed Route	2.7	-	14.2	-	-	6	1.6	-	24.5
Bike Boulevard	-	-	-	-	-	-	-	3.4	3.4
<b>TOTAL</b>	<b>5</b>	<b>0.6</b>	<b>29.7</b>	<b>18.2</b>	<b>8.5</b>	<b>45</b>	<b>4.8</b>	<b>13.2</b>	<b>125</b>

### PERCENT CHANGE IN BIKE RIDERSHIP



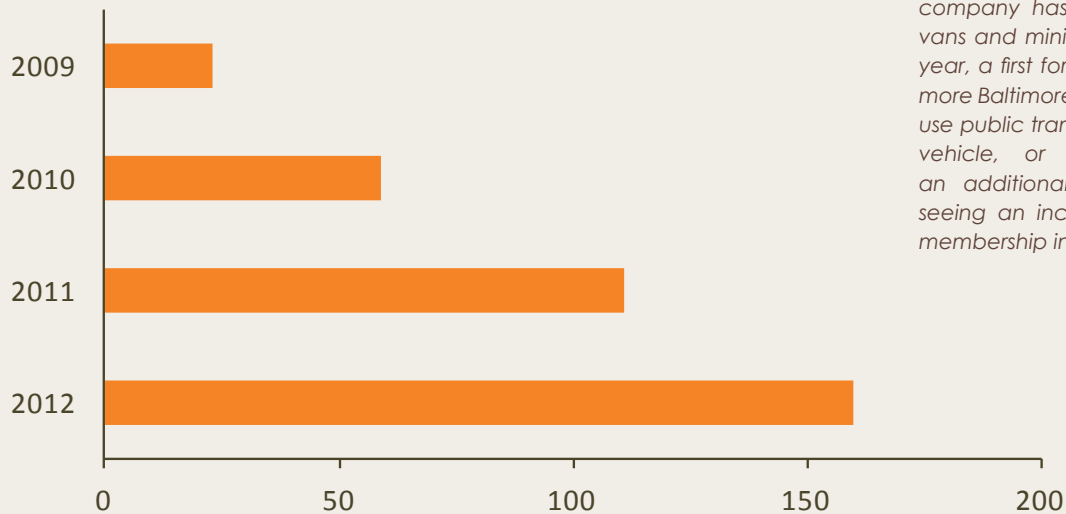
In 2012, bike ridership in the City decreased overall. Counts from the intersection at Falls Road and Maryland saw a decrease from 86% in 2011 to 58.9% in 2012, while counts from Guilford and Mt. Royal dropped only slightly from 69.5% in 2011 to 67.9% in 2012. Counts from Aliceanna and Boston remained constant.

# TRANSPORTATION



## ZIPCARS

### ZIPCARS AVAILABLE IN BALTIMORE

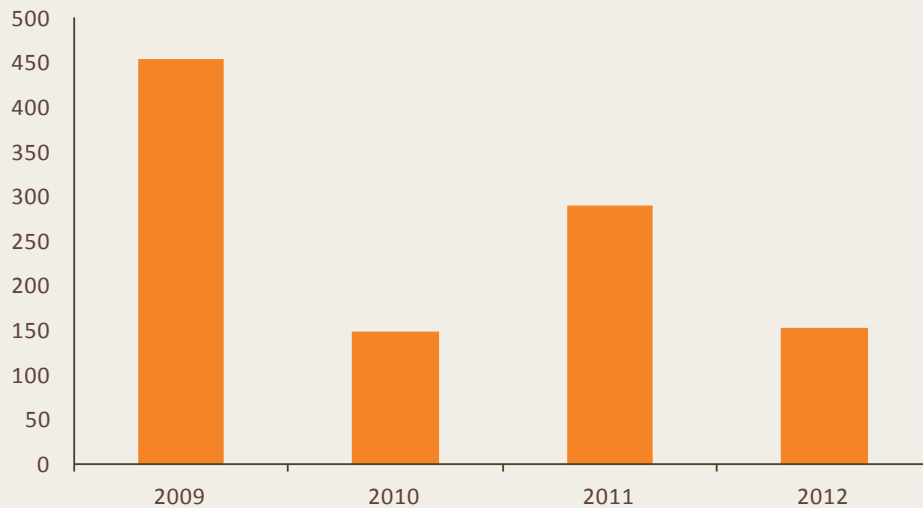


To date, ZipCar has 160 cars with plans to expand in Baltimore. The company has also added cargo vans and minivans to the fleet this year, a first for Zipcar Baltimore. As more Baltimore City residents opt to use public transit, sell their personal vehicle, or forego purchasing an additional vehicle, ZipCar is seeing an increase in car-sharing membership in Baltimore.

TRANSPORTATION

## PEDESTRIAN SIGNALS

### COUNTDOWN PEDESTRIAN SIGNAL UNITS INSTALLED



This metric tracks improvements in the number of Countdown Pedestrian Signal (CPS) units that the Traffic Signal Construction & Maintenance Division has installed. Since 2011, the number of CPS units installed dropped to 290 from a total of 152 in 2011.

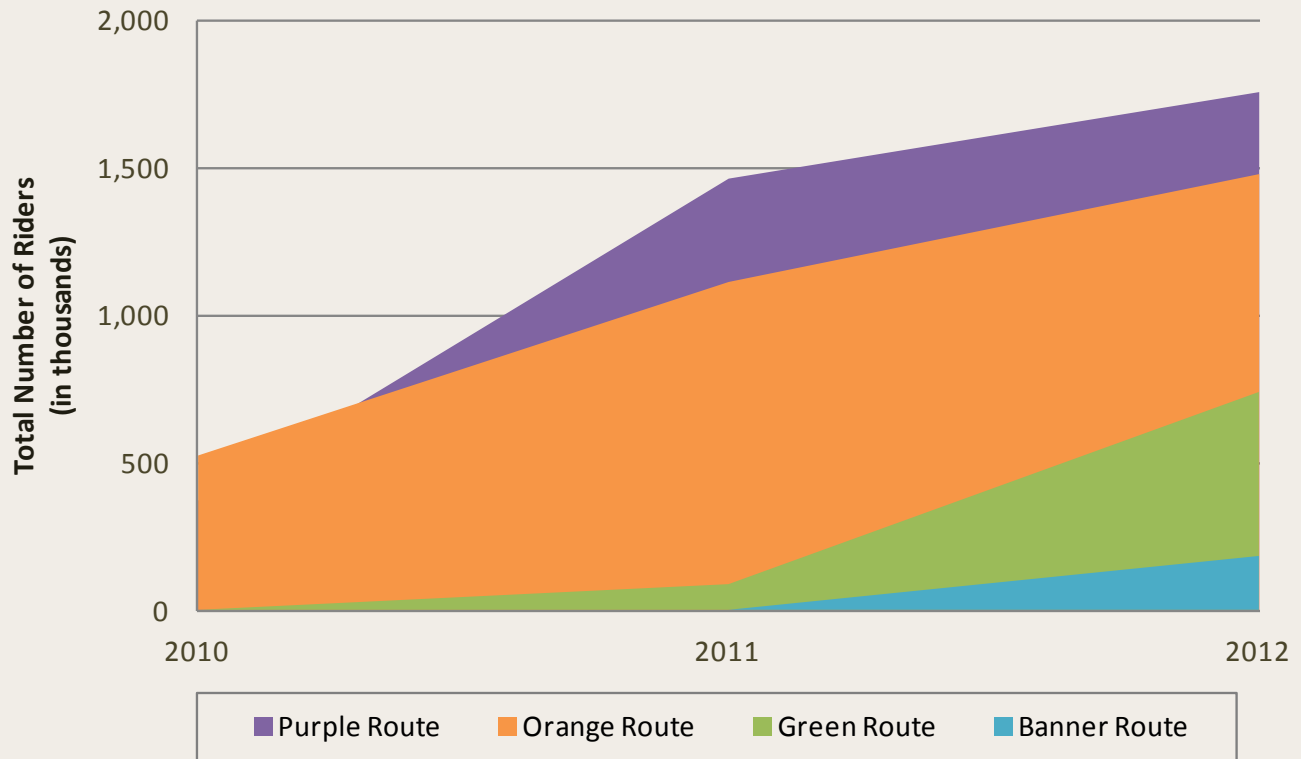
\*It is not inclusive of the number of signal units installed by TEC contractors.





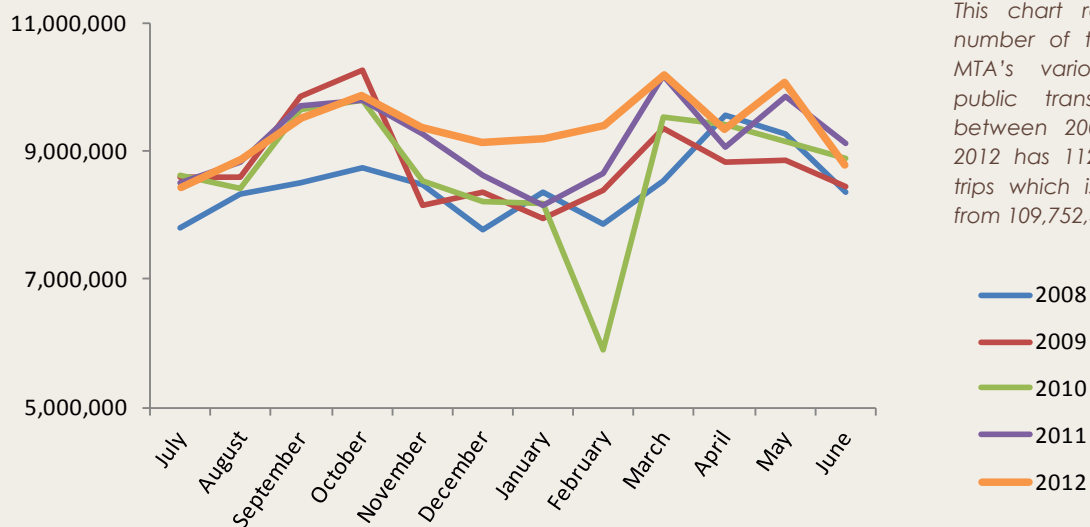
# TRANSPORTATION

## YEARLY CIRCULATOR 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, followed by the Banner Route. In 2012, all four routes experienced an increase in ridership.

## MTA RIDERSHIP



This chart represents the number of trips taken on MTA's various forms of public transit state-wide between 2008 and 2012. 2012 has 112,125,017 total trips which is an increase from 109,752,308 in 2011.

# EDUCATION & AWARENESS

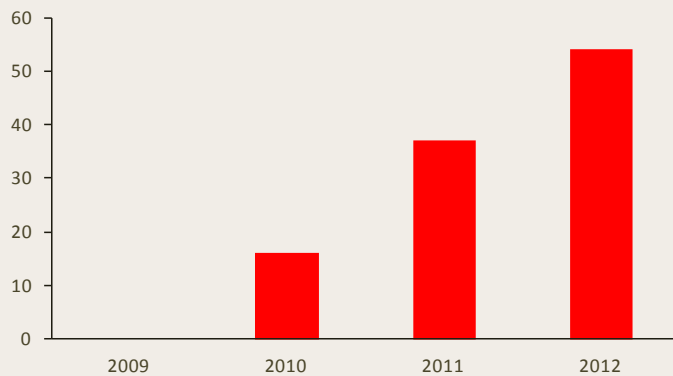


## YOUTH PARTICIPATION IN ENVIRONMENTAL PROGRAMS

	2009	2010	2011	2012
Baltimore Conservation and Leadership Corps	32	30	30	36
Masonville Cove	1,143	1,500	1,200	1,700
Living Classrooms BUGS Program	75	75	60	60
Civic Justice Corps	240	250	250	120
Baltimore City Schools Sustainability Challenge	N/A	150	564	546
Parks and People Foundation	1,900	1,275	1,577	1,213
Holistic Life Foundation	350	425	650	725

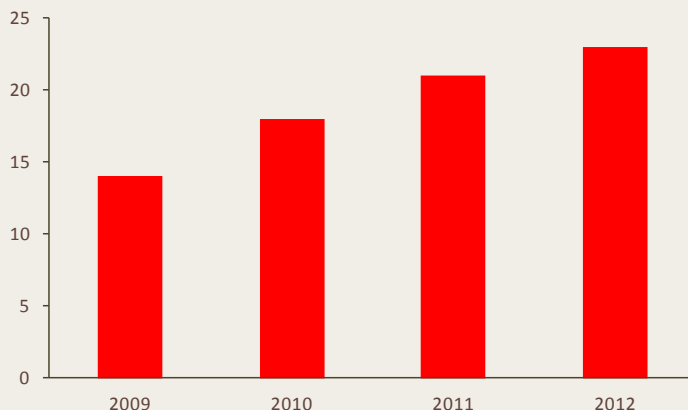
*This is a sampling of community service projects, after-school groups, summer camps, and summer youth job training programs that have an environmental focus. In 2012, the number of youth participating in Baltimore Conservation and Leadership Corps, Masonville Cove, and Holistic Life Foundation efforts increased.*

## 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 schoolyard gardens. In 2012, there were 17 more schools participating in the sustainability challenge.*

## CERTIFIED GREEN SCHOOLS IN BALTIMORE CITY



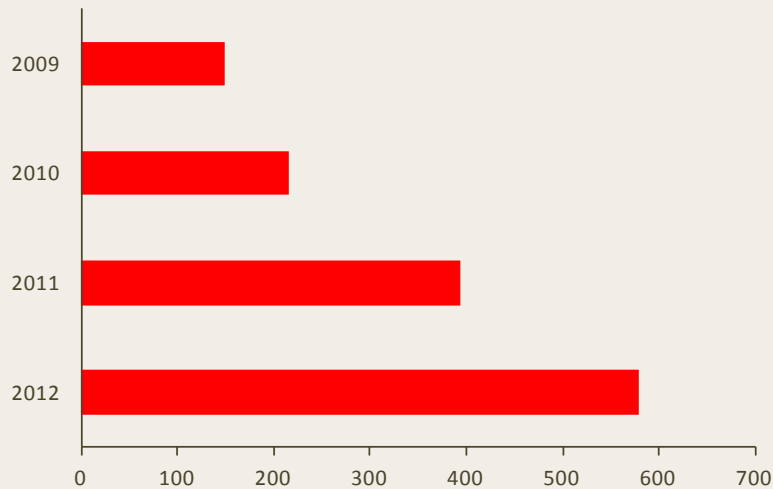
*The Maryland Green School Awards program, run by the Maryland Association for Environmental and Outdoor Education, certifies schools that can document a spectrum of green activities over two or more years. Schools receive special recognition and opportunities, and must re-certify every four years. In 2012, Baltimore City gained 2 additional green schools.*



# EDUCATION & AWARENESS

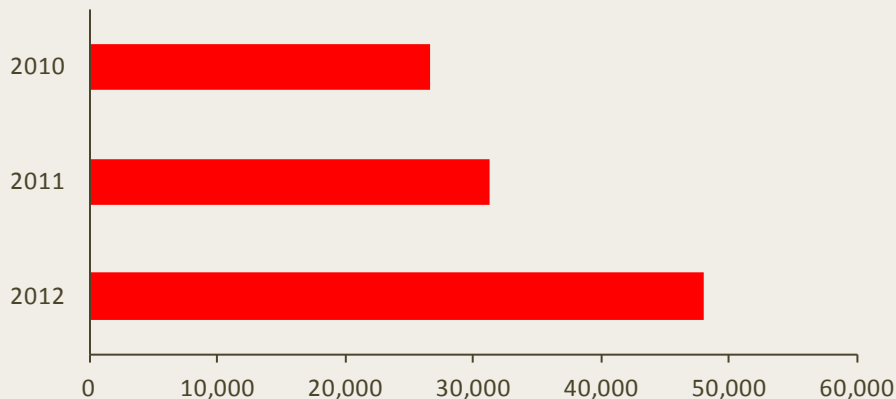
## SOCIAL MEDIA

### FOLLOWERS OF THE 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/baltimoresustainability>

### MONTHLY VISITS TO THE OFFICE OF SUSTAINABILITY WEBSITE



The Office of Sustainability officially launched the new website [WWW.BALTIMORESUSTAINABILITY.ORG](http://WWW.BALTIMORESUSTAINABILITY.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. 2012 brought an additional 16,850 visits to the website.

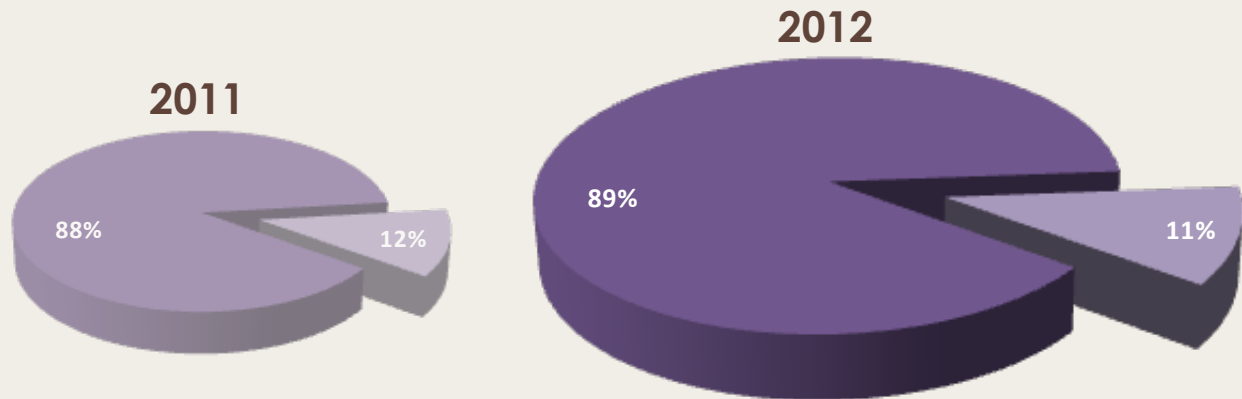


# GREEN ECONOMY



## GREEN BUSINESSES

- Maryland Green Registry Businesses
- Maryland Green Registry Businesses Located in Baltimore City



The Maryland Green Registry is a voluntary, self-certification program offering tips and resources to help organizations set and meet their sustainability goals. In 2012, green businesses in Baltimore City grew to a total 46, while 29 new green businesses were introduced statewide, giving Maryland a total of 364 green businesses statewide. To find out more, or to register your business, visit: <http://mde.maryland.gov/MarylandGreen/Pages/Home.aspx>

## WORKFORCE DEVELOPMENT

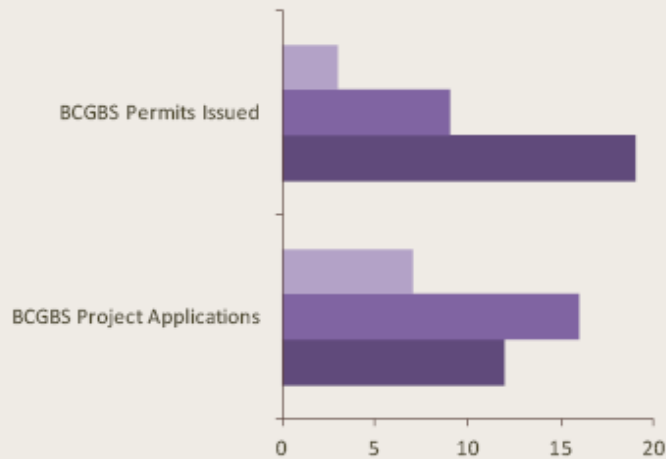
	2009	2010	2011	2012
Baltimore City YouthWorks - Green Jobs Youth Corps	360	360	300	300
Baltimore City Community College (BCCC) Degrees and Certificates Awarded	497	466	532	601
Civic Works Bmore Green Job Training	36	27	33	62

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 2012, there was an increase in number of degrees and certificates awarded by Baltimore City Community College, and we saw an 88% increase in the number of participants in the Bmore Green Job Training program at Civic Works.



# GREEN ECONOMY

## GREEN BUILDING REQUIREMENTS

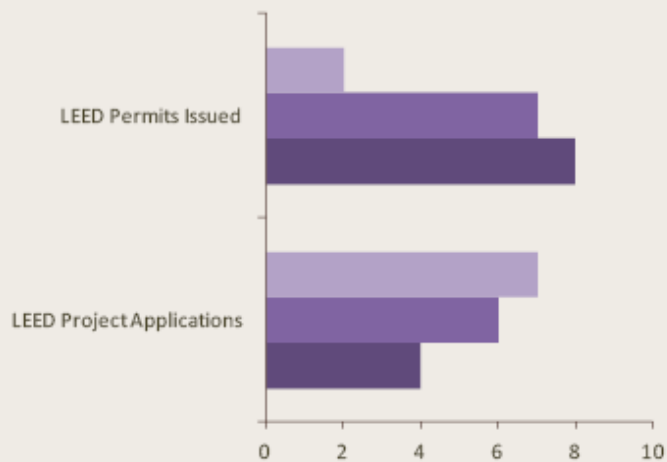


In August 2007, City Council passed a bill mandating the City establish Baltimore City Green Building Standards for commercial and multi-family residential buildings over 10,000 square feet that are either being newly constructed or extensively modified. The standards were created and implemented in 2010. BCGBS applications have more than doubled between 2010 and 2011. In 2012, although there were 4 fewer applications, 10 additional permits were issued, for a total of 19 BCGBS Permits. Similar to the BCGBS Applications, the number of Leadership in Energy Efficient Design applications decreased in 2012, however, the number of permits issued did increase to 8.

2010

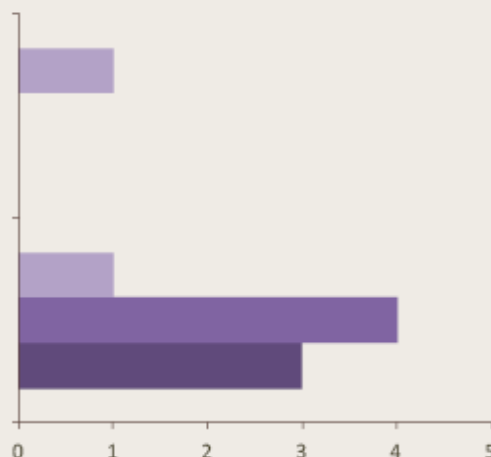
2011

2012



Waivers Granted

Waiver Requests



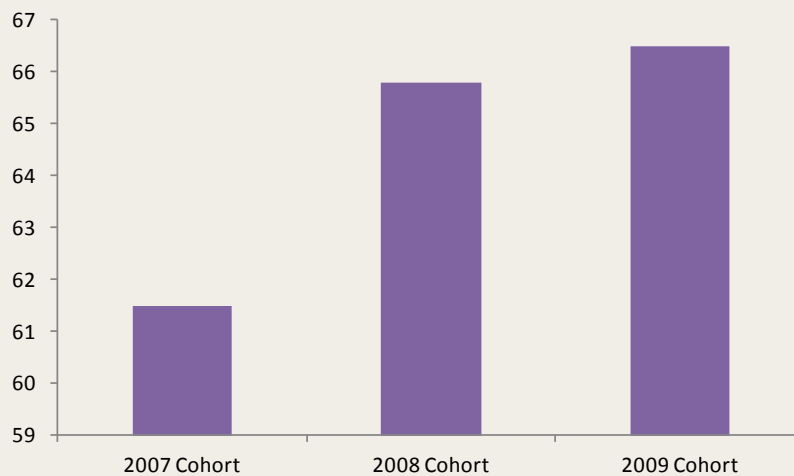
# GREEN ECONOMY



## BALTIMORE CITY PUBLIC SCHOOLS GRADUATION RATE

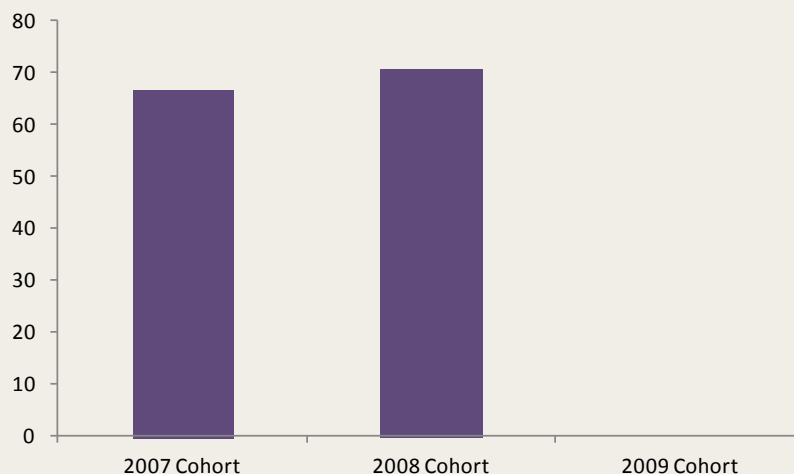
### 2009 COHORT RESULTS PERCENT OF 4- AND 5-YEAR GRADUATES INCREASED SINCE 2007

2 Yr Pt. Change	2 Yr Pct. Change	1 Yr Pt. Change	1 Yr Pct. Change
<b>+5.0</b>	<b>+8.1%</b>	<b>+0.7</b>	<b>1.1%</b>



Note: 4- and 5-Year Graduate Counts refer to cohort rates. 5-Year outcomes are completed one year after the 4-Year outcome. For example, the 2008 cohort finished 4 years in 2011 and five years in 2012.

1 Yr Pt. Change	1 Yr Pct. Change
<b>+3.9</b>	<b>5.8%</b>



\*5-Year cohort outcomes for the 2009 Cohort will be available in the Fall of 2013. These students will graduate in June 2013





# BALTIMORE NEIGHBORHOOD INDICATORS ALLIANCE VITAL SIGNS

## BALTIMORE CITY MAPS

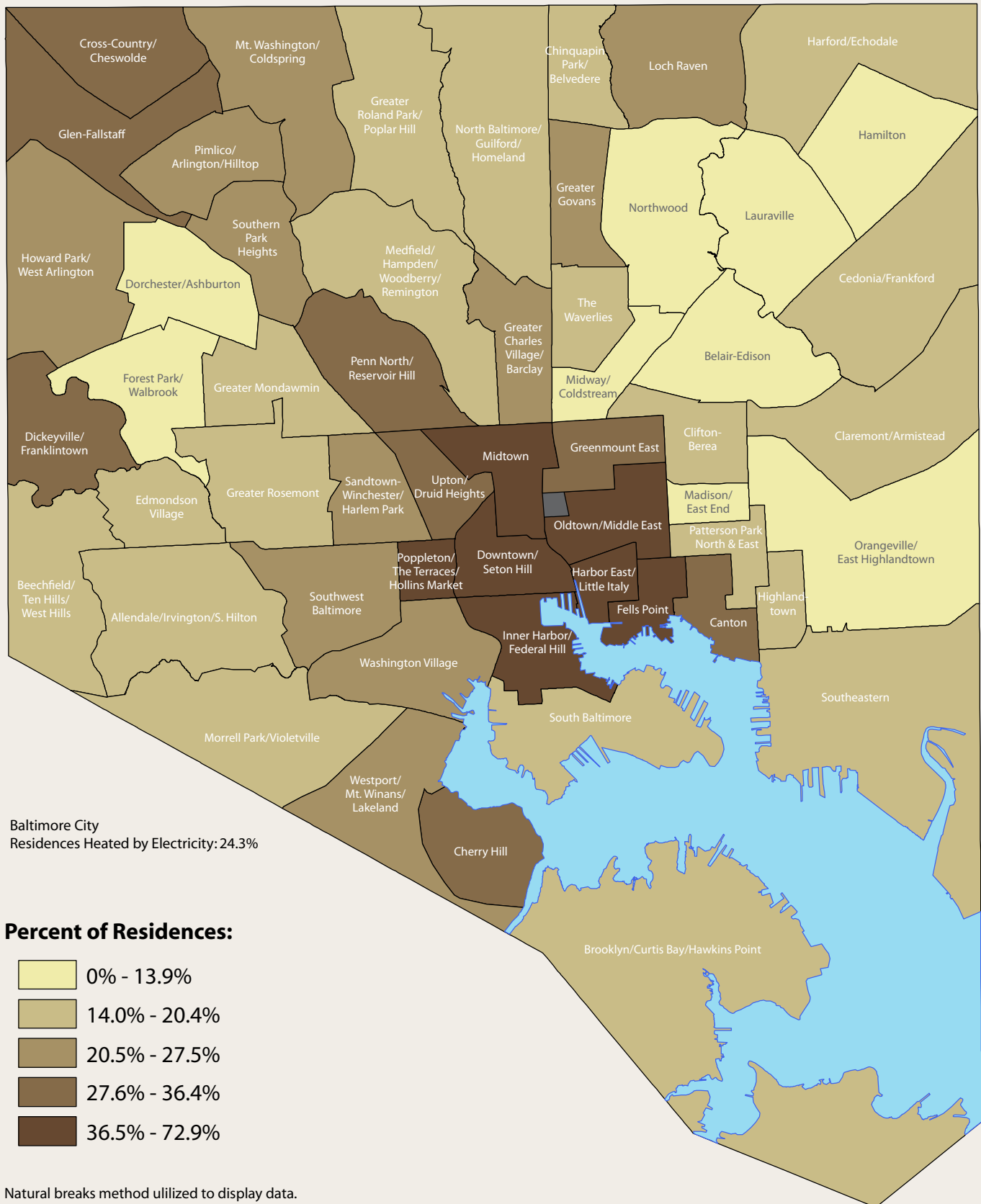
For more than 10 years, the Baltimore Neighborhood Indicators Alliance-Jacob France Institute (BNIA-JFI) has been committed to enabling decision-making for neighborhood change, using accurate, relevant and accessible data and information for improving the quality of life in Baltimore neighborhoods. Along with an alliance of diverse organizations, BNIA-JFI empowers neighborhoods with measures and indicators to track success across common goals. BNIA-JFI produces an annual report called *Vital Signs* that “take the pulse” of Baltimore’s neighborhoods by measuring approximately 110 quality of life indicators for all 55 Community Statistical Areas (CSAs). These indicators were first established through a community-based visioning process in 2000 and revised through a strategic planning process in 2012. The 11<sup>th</sup> edition of *Vital Signs* was released in April 2013 includes a section dedicated to community-based sustainability indicators on sanitation, transportation, green space, energy efficiency and community engagement. *Vital Signs* indicators are available online and have been used to track and monitor quality of life in neighborhoods as well as plan for the future, advocate for change, leverage funds through grant writing and community-based research.

The Office of Sustainability has partnered with BNIA-JFI to incorporate their community-based sustainability indicators into the Annual Sustainability Report. We feel that being able to look at critical issues on a community level help evaluate progress, as well as where more efforts are needed. We will continue to use these indicators in future years, and hope to expand indicators as we move forward.

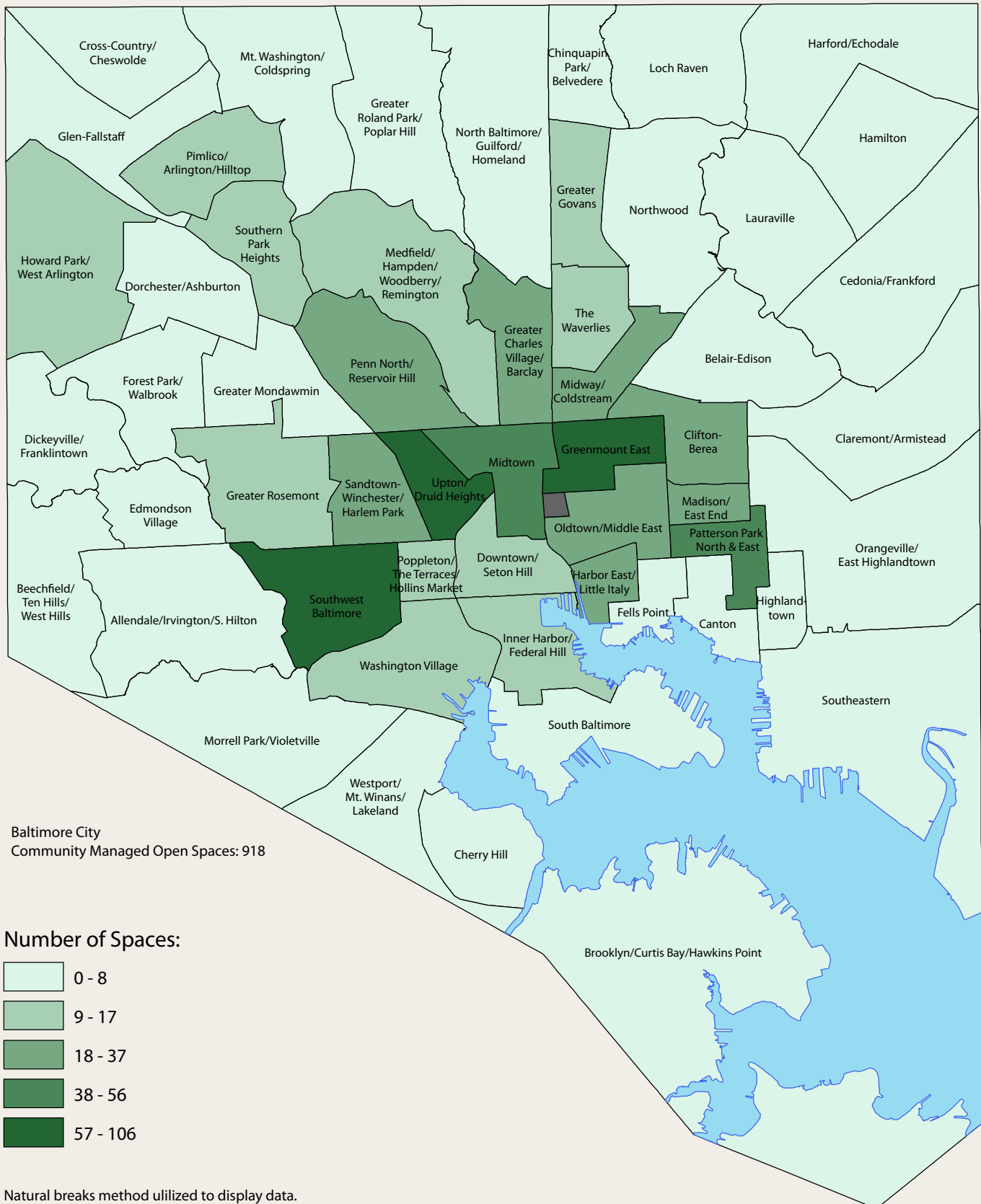
“We do not inherit the earth from our ancestors,  
we borrow it from our children.”

- Native American Proverb

# Baltimore City Residences Heated by Electricity By Community Statistical Area, 2007-2011



# Baltimore City Community Managed Open Spaces By Community Statistical Area, 2011

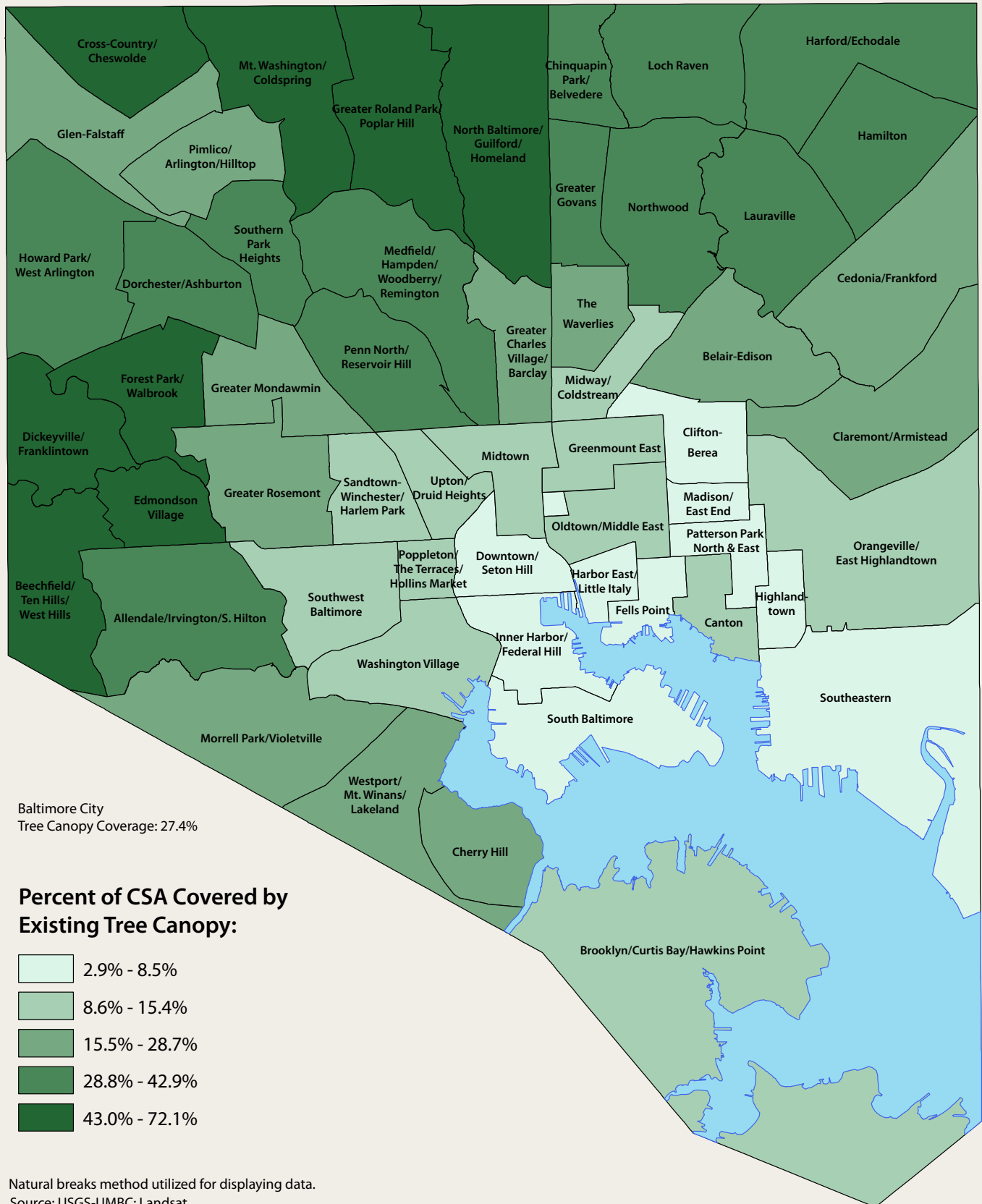


Natural breaks method utilized to display data.  
Sources: Baltimore Green Space, Center for a Livable Future, Parks & People, Power in Dirt  
Map created by BNIA-JFI, 2013



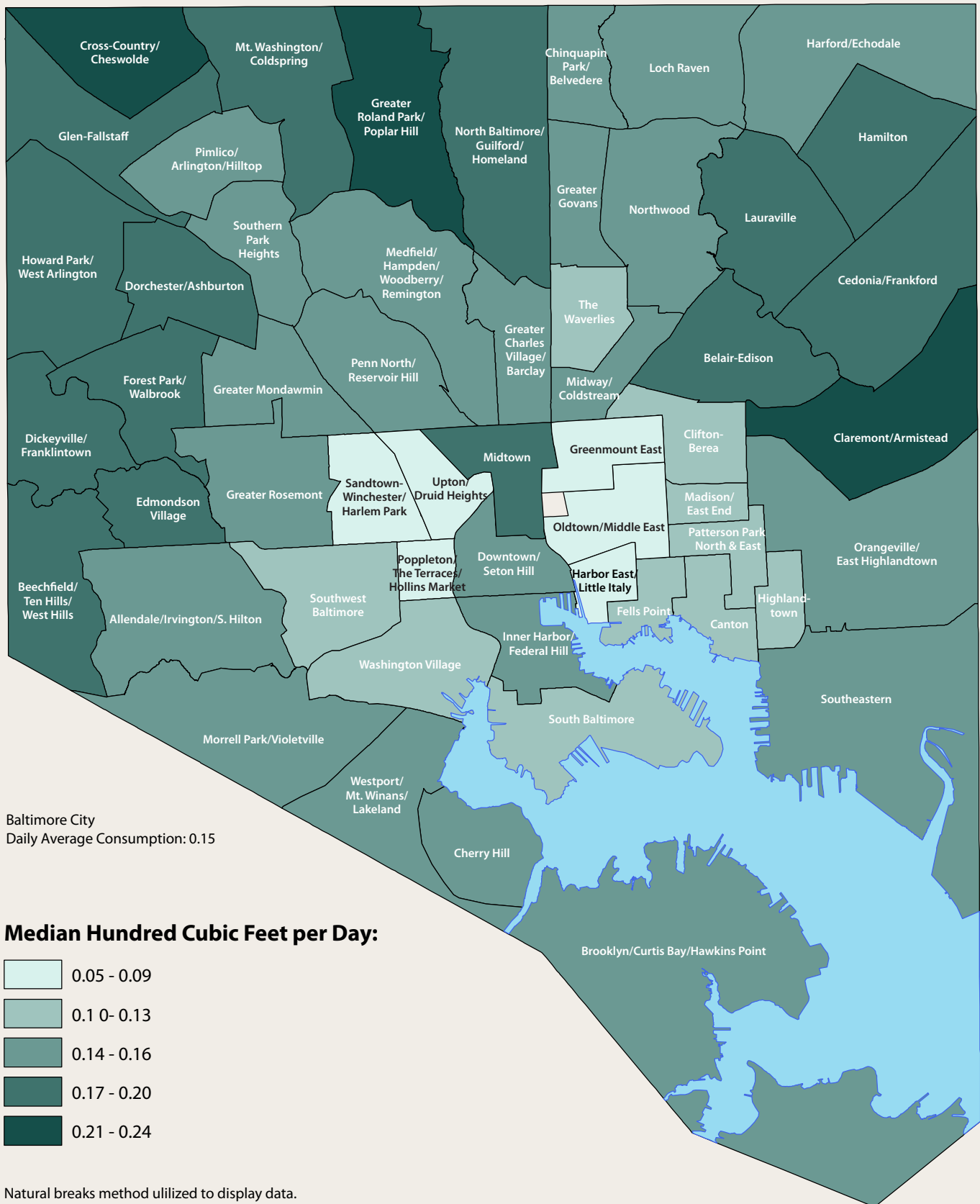
# Tree Canopy

## By Community Statistical Area, 2011



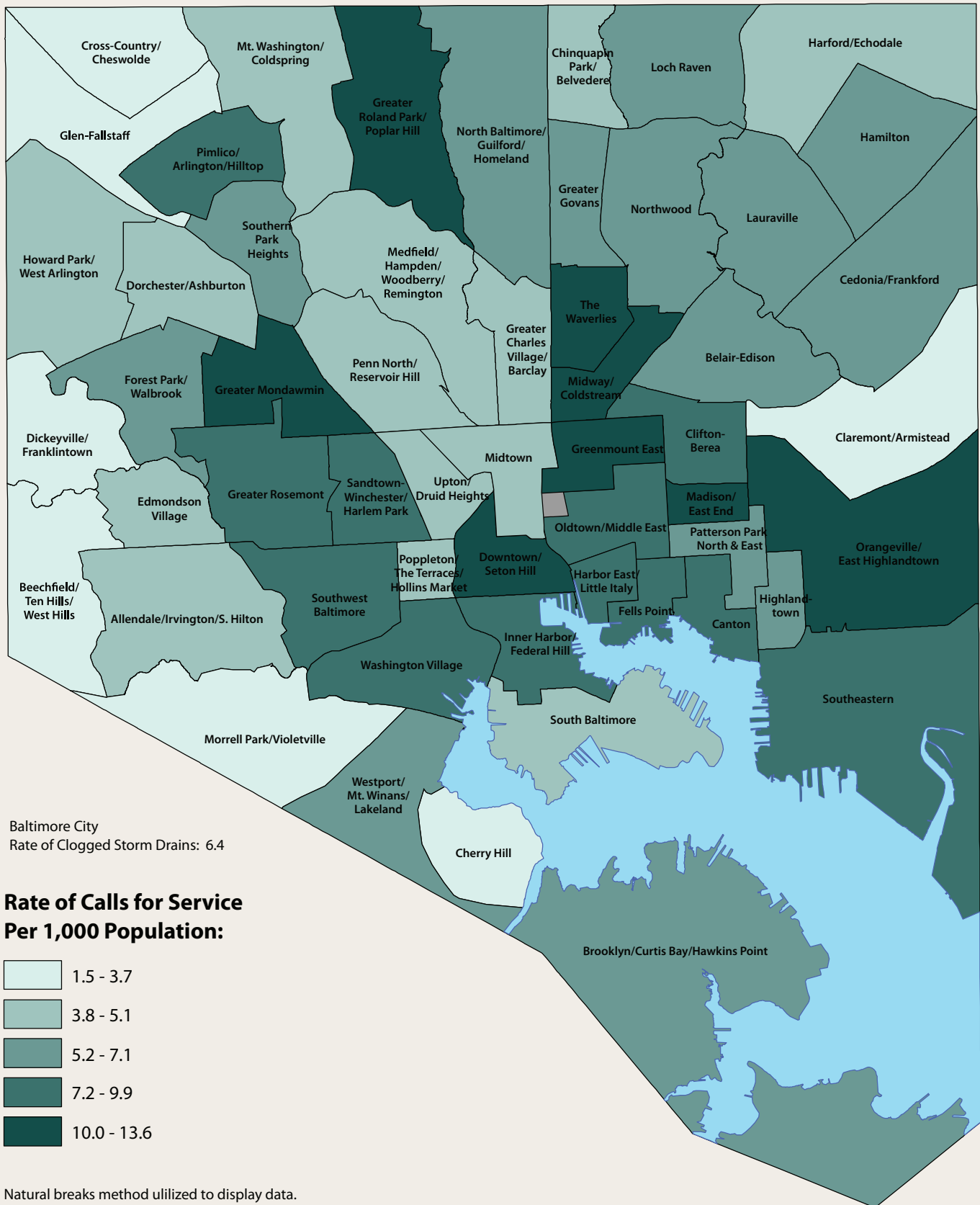
# Baltimore City Daily Average Consumption of Water By Community Statistical Area, 2011

BALTIMORE MAPS



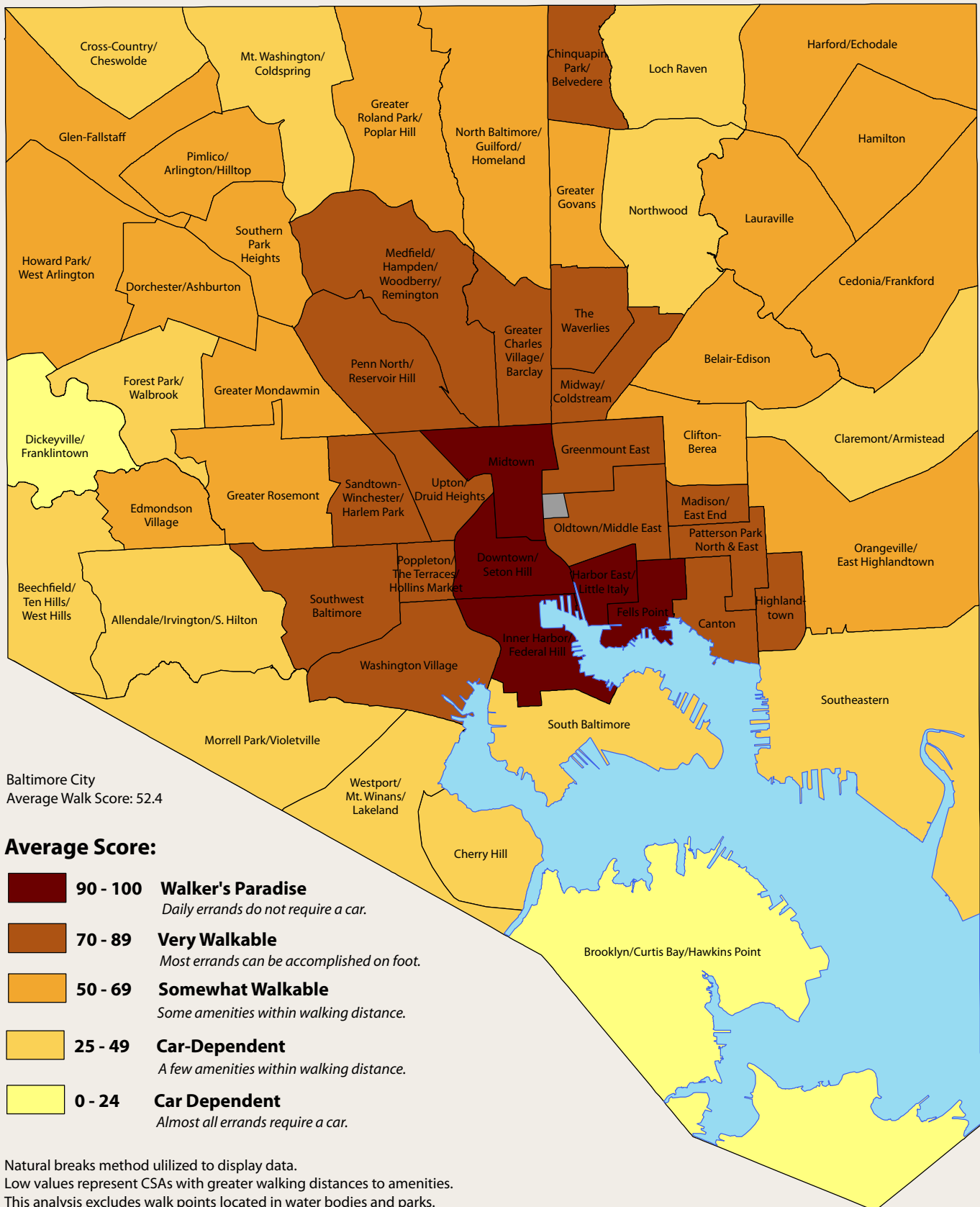
Natural breaks method utilized to display data.  
Source: UMBC  
Map created by BNIA-JFI, 2013

# Baltimore City Rate of Clogged Storm Drains By Community Statistical Area, 2011



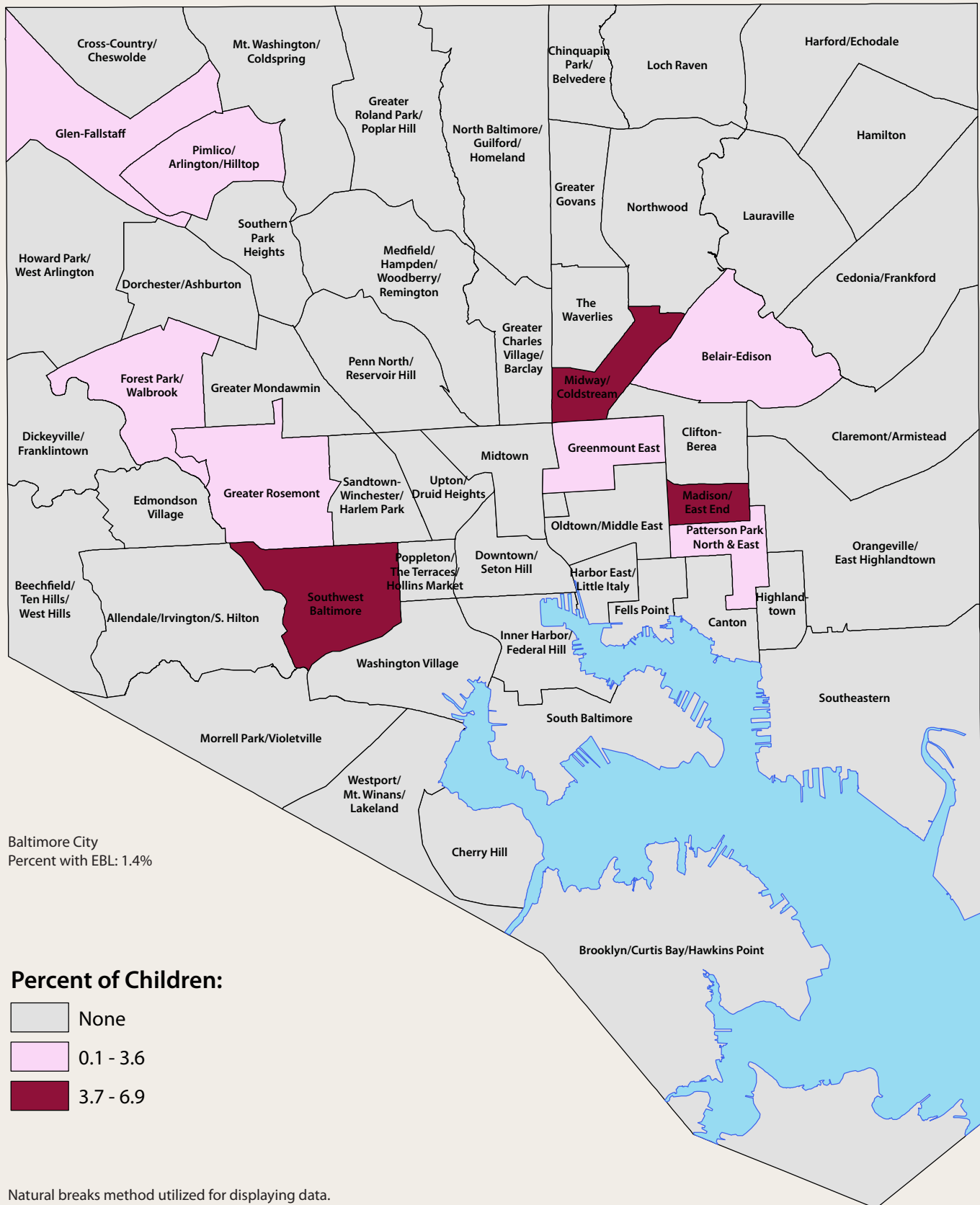


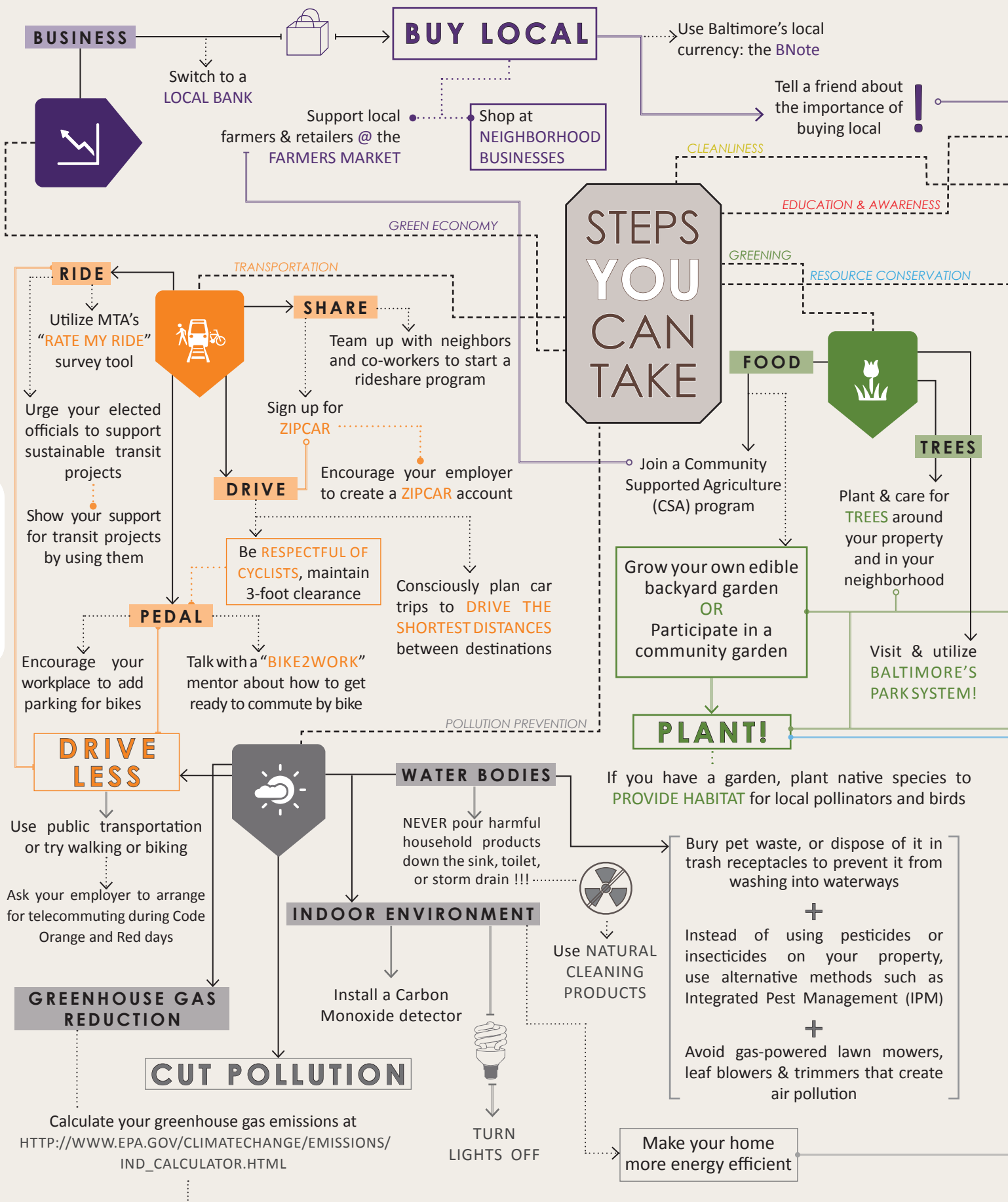
# Baltimore City Average Walk Scores By Community Statistical Area, 2012



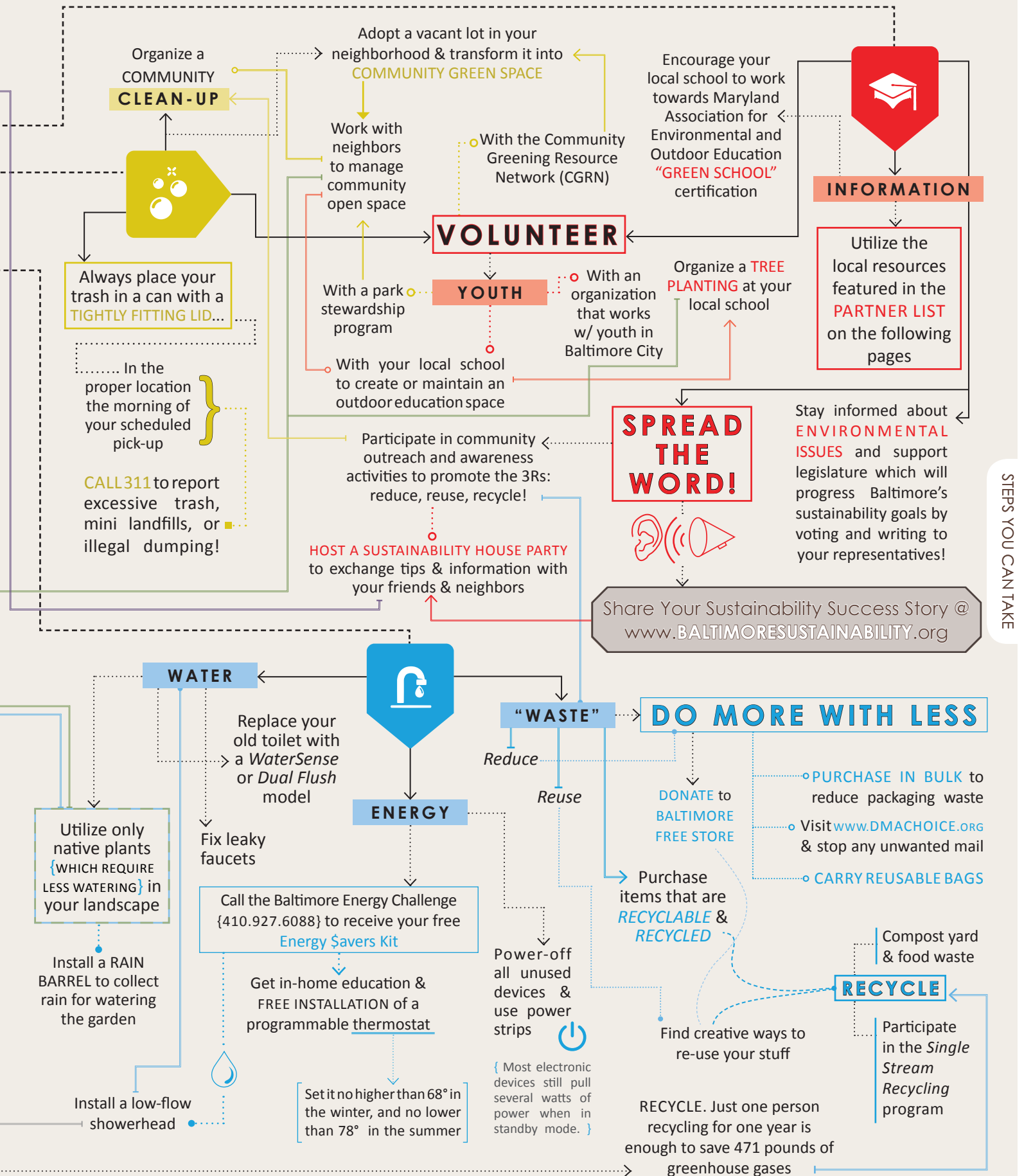
Baltimore City  
Average Walk Score: 52.4

# Baltimore City Children Tested with Elevated Blood Lead Levels, By Community Statistical Area, 2011









## PARTNERS LIST

### MASTER LIST BY CHAPTER

#### CLEANLINESS

##### Art Blocks

[www.artblocks.org](http://www.artblocks.org)  
410.243.3834

##### Back River Restoration Committee

[www.savebackriver.org](http://www.savebackriver.org)

##### Baltimore City Department of Housing and Community Development

[www.baltimorehousing.org](http://www.baltimorehousing.org)  
410.514.7000

##### Baltimore City Department of Public Works

[publicworks.baltimorecity.gov](http://publicworks.baltimorecity.gov)  
410.396.6070

##### Baltimore Development Corporation | MAIN STREETS

[baltimoredevelopment.com/baltimore-main-streets](http://baltimoredevelopment.com/baltimore-main-streets)

##### Baltimore Green Space

[www.baltimoregreenspace.org](http://www.baltimoregreenspace.org)  
443.695.7504

##### Blue Water Baltimore

[www.bluewaterbaltimore.org](http://www.bluewaterbaltimore.org)  
410.254.1577

##### Center for Community Progress

[www.communityprogress.net](http://www.communityprogress.net)  
DC Office | 877.542.4842

##### CleanerGreener Baltimore Initiative

[www.cleanergreenerbaltimore.org](http://www.cleanergreenerbaltimore.org)  
410.396.3835

##### Friends of...

###### CARROLL PARK

[friendsofcarrollpark.blogspot.com](http://friendsofcarrollpark.blogspot.com)

###### DRUID HILL PARK

[www.druidhillpark.org](http://www.druidhillpark.org)  
443.469.8274

###### GWYNNS FALLS/LEAKIN PARK

[friendsofgwynnsfallsleakinpark.org](http://friendsofgwynnsfallsleakinpark.org)

###### HERRING RUN PARKS

[www.thefhrp.org](http://www.thefhrp.org)

##### MARYLAND'S OLMSTED PARKS AND LANDSCAPES

[www.olmstedmaryland.org](http://www.olmstedmaryland.org)

##### PATTERSON PARK

[www.pattersonpark.com](http://www.pattersonpark.com)  
410.276.3676

##### STONY RUN

[www.stonyrunfriends.org/srcms/](http://www.stonyrunfriends.org/srcms/)

##### WEST BALTIMORE SQUARES

[www.westbaltimoresquares.org](http://www.westbaltimoresquares.org)

##### WYMAN PARK DELL

[www.wymanparkdell.org](http://www.wymanparkdell.org)

##### Healthy Harbor Initiative

[www.healthylharborbaltimore.org](http://www.healthylharborbaltimore.org)

##### Main Street Maryland

[www.neighborhoodrevitalization.org/programs/mainstreet/mainstreet.aspx](http://www.neighborhoodrevitalization.org/programs/mainstreet/mainstreet.aspx)

##### Parks and People Foundation

[www.parksandpeople.org](http://www.parksandpeople.org)  
410.448.5663

##### Waterfront Partnership of Baltimore

[www.waterfrontpartnership.org](http://www.waterfrontpartnership.org)  
410.528.1523

##### Zero Litter

[www.zerolitter.com](http://www.zerolitter.com)  
[www.facebook.com/ZeroLitter](http://www.facebook.com/ZeroLitter)

#### POLLUTION PREVENTION

##### Baltimore Biodiesel Coop

[www.baltimorebiodiesel.org](http://www.baltimorebiodiesel.org)  
410.889.6842

##### Baltimore City Department of General Services

[www.baltimorecity.gov](http://www.baltimorecity.gov)  
410.396.3704

##### Baltimore City Department of Health

[www.baltimorehealth.org](http://www.baltimorehealth.org)  
410.767.5300

##### Baltimore City Department of Housing and Community Development

[www.baltimorehousing.org](http://www.baltimorehousing.org)  
410.514.7000

##### Baltimore City Department of Planning

[www.baltimorecity.gov/Government/AgenciesDepartments/Planning.aspx](http://www.baltimorecity.gov/Government/AgenciesDepartments/Planning.aspx)  
410.767.4500

##### Baltimore City Department of Public Works Bureau of Water and Wastewater

[publicworks.baltimorecity.gov/Bureaus/WaterWastewater.aspx](http://publicworks.baltimorecity.gov/Bureaus/WaterWastewater.aspx)  
410.396.6070

##### Baltimore City Fire Department

[www.baltimorecity.gov/Government/AgenciesDepartments/Fire.aspx](http://www.baltimorecity.gov/Government/AgenciesDepartments/Fire.aspx)  
410.396.5684

##### Baltimore City Public School System

[www.bcps.k12.md.us](http://www.bcps.k12.md.us)  
443.984.2000

##### Baltimore County Environmental Protection and Sustainability

[www.baltimorecountymd.gov/Agencies/environment](http://www.baltimorecountymd.gov/Agencies/environment)  
410.887.3733

##### Baltimore Development Corporation | BROWNFIELDS PROGRAM

[www.baltimoredevelopment.com/brownfields](http://www.baltimoredevelopment.com/brownfields)  
[BDC] 410.837.9305

##### Baltimore Energy Challenge

[www.baltimoreenergychallenge.org](http://www.baltimoreenergychallenge.org)

##### Baltimore Gas & Electric Smart Energy Savers Program

[www.bgesmartenergy.com/1.877.685.SESP](http://www.bgesmartenergy.com/1.877.685.SESP) (7377)

##### Blue Water Baltimore

[www.bluewaterbaltimore.org](http://www.bluewaterbaltimore.org)  
410.254.1577

##### Chesapeake Climate Action Network

[www.chesapeakeclimate.org](http://www.chesapeakeclimate.org)  
+1.240.396.1981

##### Civic Works

[www.civicworks.com](http://www.civicworks.com)  
410.366.8533

Green & Healthy Homes Initiative  
[www.greenandhealthyhomes.org](http://www.greenandhealthyhomes.org)  
 410.534.6447

Healthy Harbor Initiative  
[www.healthyharborbaltimore.org](http://www.healthyharborbaltimore.org)

Maryland Clean Energy Center  
[mdcleanenergy.org](http://mdcleanenergy.org)  
 443.949.8505

Maryland Department of the Environment  
[www.mde.state.md.us](http://www.mde.state.md.us)  
 410.537.3000

Maryland Energy Administration  
[energy.maryland.gov](http://energy.maryland.gov)

Maryland Hospitals for a Healthy Environment  
[mdh2e.org](http://mdh2e.org)

Maryland Pesticide Network  
[www.mdpestnet.org](http://www.mdpestnet.org)

Maryland Port Administration  
[www.mpa.maryland.gov](http://www.mpa.maryland.gov)

Maryland Transit Authority  
[mta.maryland.gov](http://mta.maryland.gov)

Parks and People Foundation  
[www.parksandpeople.org](http://www.parksandpeople.org)  
 410.448.5663

Waterfront Partnership of Baltimore  
[www.waterfrontpartnership.org](http://www.waterfrontpartnership.org)  
 410.528.1523

## RESOURCE CONSERVATION

Baltimore Biodiesel Coop  
[www.baltimorebiodiesel.org](http://www.baltimorebiodiesel.org)  
 410.889.6842

Baltimore City Commission for Historical & Architectural Preservation  
[www.baltimorecity.gov/Government/BoardsandCommissions/HistoricalArchitecturalPreservation.aspx](http://www.baltimorecity.gov/Government/BoardsandCommissions/HistoricalArchitecturalPreservation.aspx)

Baltimore City Department of General Services  
[www.baltimorecity.gov](http://www.baltimorecity.gov)  
 410.396.3704

Baltimore City Department of Housing and Community Development  
[www.baltimorehousing.org](http://www.baltimorehousing.org)  
 410.514.7000

Baltimore City Department of Public Works  
[www.baltimorecity.gov](http://www.baltimorecity.gov)  
 410.396.6070

Baltimore Energy Challenge  
[www.baltimoreenergychallenge.org](http://www.baltimoreenergychallenge.org)

Baltimore Free Store  
[www.freestorebaltimore.org](http://www.freestorebaltimore.org)

Baltimore Gas & Electric Smart Energy Savers Program  
[www.bgesmartenergy.com](http://www.bgesmartenergy.com)  
 1.877.685.SESP (7377)

Blue Water Baltimore  
[www.bluewaterbaltimore.org](http://www.bluewaterbaltimore.org)  
 410.254.1577

CDM eCycling  
[www.cdm4recycle.com](http://www.cdm4recycle.com)

Chesapeake Climate Action Network  
[www.chesapeakeclimate.org](http://www.chesapeakeclimate.org)  
 +1.240.396.1981

Civic Works  
[www.civicworks.com](http://www.civicworks.com)  
 410.366.8533

Cleaner Greener Baltimore Initiative  
[www.cleanergreenerbaltimore.com](http://www.cleanergreenerbaltimore.com)  
 410.396.3835

Green & Healthy Homes Initiative  
[www.greenandhealthyhomes.org](http://www.greenandhealthyhomes.org)  
 410.534.6447

Greenspring Energy  
[www.greenspringenergy.com](http://www.greenspringenergy.com)  
 443.322.7000

Johns Hopkins Sustainability Office  
[www.sustainability.jhu.edu](http://www.sustainability.jhu.edu)  
 410.516.5544

The Loading Dock  
[www.loadingdock.org](http://www.loadingdock.org)  
 410.558.3625

Maryland Clean Energy Center  
[mdcleanenergy.org](http://mdcleanenergy.org)  
 443.949.8505

Maryland Department of the Environment  
[www.mde.state.md.us](http://www.mde.state.md.us)  
 410.537.3000

Maryland Department of Planning | SMART, GREEN & GROWING  
[www.green.maryland.gov](http://www.green.maryland.gov)  
 410.260.8021

Maryland Energy Administration  
[energy.maryland.gov](http://energy.maryland.gov)  
 410.260.7655

Northeast Maryland Waste Disposal Authority  
[www.nmwda.org](http://www.nmwda.org)  
 410.333-2730

Parks & People Foundation  
[www.Parksandpeople.org](http://www.Parksandpeople.org)  
 410.448.5663

Rebuilding Together  
[www.rtbaltimore.org](http://www.rtbaltimore.org)  
 410.889.2710

Retrofit Baltimore  
[www.retrofitbaltimore.org](http://www.retrofitbaltimore.org)  
 410.929.6139

Second Chance  
[www.secondchanceinc.org](http://www.secondchanceinc.org)  
 410.385.1101

Terracycle  
[www.terracycle.com](http://www.terracycle.com)  
 609.393.4252

Waste Neutral Group  
[www.wasteneutral.com](http://www.wasteneutral.com)  
 443.838.1826



## GREENING

1000 Friends of Maryland  
www.friendsofmd.org  
410.385.2910

Back River Restoration  
Committee  
www.savebackriver.org

Baltimore City Department of  
Planning  
www.baltimorecity.gov/  
Government/AgenciesDepartments/  
Planning.aspx  
410.767.4500

Baltimore City Department of  
Public Works  
publicworks.baltimorecity.gov  
410.396.6070

Baltimore City Department of  
Recreation and Parks  
bcrp.baltimorecity.gov  
410.396.7900

Baltimore City Farms Program  
bcrp.baltimorecity.gov/  
ProgramsandInitiatives/CityFarms.  
aspx  
410.396.0181

Baltimore City Food Policy  
Initiative  
http://www.baltimorecity.  
gov/Government/  
AgenciesDepartments/Planning/  
BaltimoreFoodPolicyInitiative.aspx

Baltimore City Forestry Board  
www.baltimoreforestry.org

Baltimore City Health  
Department, Food and Shelter  
www.baltimorehealth.org/  
foodshelter  
[Health Dept.] 410. 396.4398

Baltimore City Public School  
System  
www.bcps.k12.md.us  
443.984.2000

Baltimore Ecosystem Study  
www.beslter.org  
410.448.5663 | ext. 125

Baltimore Free Farm  
www.baltimorefreefarm.org  
410.575.4BFF (4233)

Baltimore Green Space  
www.baltimoregreenspace.org  
443.695.7504

Baltimore Orchard Project  
www.baltimoreorchard.org  
410-695-3445

Baltimore Tree Trust  
www.baltimoretreetrust.org

Big City Farms  
www.bigcityfarms.com  
443.890.3280  
STRENGTH TO LOVE FARMS  
(forthcoming)

Biohabitats  
www.biohabitats.com  
410.554.0156

Constellation Energy  
www.constellation.com  
1.866.237.7693

East Coast Greenway  
www.greenway.org  
+1.919.797.0619

Eat Fresh Maryland Network  
www.eatfreshmd.com  
+1.301.891.7244

Eco-check  
www.eco-check.org  
410.221.2005

The Farm Alliance of Baltimore  
City  
www.farmalliancebaltimore.org

BOONE ST. FARM  
www.baltimorediy.org  
CHERRY HILL PEOPLE'S GARDEN  
cherryhillpeoplesgarden.  
wordpress.com  
410.704.2553

FIVE SEEDS FARM  
www.fiveseedsfarm.com

FULL CIRCLE URBAN FARM  
www.fullcircleurbanfarm.  
blogspot.com  
443.257.7311

HAMILTON CROP CIRCLE  
www.facebook.com/  
HamiltonCropCircle?ref=ts  
1.910.200.9181

HIDDEN HARVEST FARM  
facebook.com/groups/  
hiddenharvestfarm

OAK HILL HONEY  
www.oakhillhoney.com  
443.838.1626

REAL FOOD FARM  
www.realfoodfarm.org  
443.531.8346

WHITELOCK COMMUNITY FARM  
www.whitelockfarm.org  
410.205.OKRA (6572)

Future Harvest  
www.futureharvestcasa.org

Gather Baltimore  
www.gatherbaltimore.org

Great Kids Farm  
www.baltimorecityschools.org/  
greatkidsfarm  
443.642.3928

Greening Reservoir Hill  
rhicgreen.org  
410.225.7547

Johns Hopkins Center for a  
Livable Future  
www.jhsph.edu/clf  
410.502.7578

Maryland Department of  
Agriculture  
www.mda.state.md.us  
410.841.5700

Maryland Department of Natural  
Resources  
www.dnr.state.md.us  
1.877.620.8DNR (8367)

PROGRAM OPEN SPACE  
www.dnr.state.md.us/land/  
landconservation.asp

TREE-MENDOUS MARYLAND  
www.dnr.maryland.gov/forests/  
treemendous/

Maryland Department of  
Planning | SMART, GREEN &  
GROWING  
www.green.maryland.gov  
410.260.8021

Maryland Farm-To-Table Produce  
[www.mdfarmtotable.com/web/content/Home.aspx](http://www.mdfarmtotable.com/web/content/Home.aspx)  
 443.762.1677

Maryland Hospitals for a Healthy Environment  
[www.mdh2e.org](http://www.mdh2e.org)

Maryland Hunger Solutions  
[www.mdhungersolutions.org](http://www.mdhungersolutions.org)  
 410.528.0021

Maryland Master Gardeners  
[www.mastergardener.umd.edu](http://www.mastergardener.umd.edu)  
 410.531.5556

Maryland Native Plant Society  
[www.mdflora.org/chapters/Baltimore/baltchapter.html](http://www.mdflora.org/chapters/Baltimore/baltchapter.html)

Maryland Sierra Club  
[www.maryland.sierraclub.org](http://www.maryland.sierraclub.org)  
 301.277.7111

Parks & People Foundation  
[www.parksandpeople.org](http://www.parksandpeople.org)  
 410.448.5663

Power in Dirt  
[www.powerindirt.com](http://www.powerindirt.com)

Relay Foods  
[www.relayfoods.com](http://www.relayfoods.com)  
 202.618.6048

TreeBaltimore  
[www.treebaltimore.org](http://www.treebaltimore.org)  
 410.458.7888

Urban Farmhouse  
[www.urbanfarmhouseonline.com](http://www.urbanfarmhouseonline.com)  
 410.963.2712

## TRANSPORTATION

1000 Friends of Maryland  
[www.friendsofmd.org](http://www.friendsofmd.org)  
 410.385.2910

Altcar  
[www.altcar.org](http://www.altcar.org)  
 410.814.3000

Amtrak  
[www.amtrak.com](http://www.amtrak.com)  
 1.800.USA.RAIL (7245)

B-more Mobile  
[www.bmoremobile.org](http://www.bmoremobile.org)

Baltimore Biodiesel Coop  
[www.baltimorebiodiesel.org](http://www.baltimorebiodiesel.org)  
 410.889.6842

Baltimore City Department of Planning  
[www.baltimorecity.gov/Government/AgenciesDepartments/Planning.aspx](http://www.baltimorecity.gov/Government/AgenciesDepartments/Planning.aspx)  
 410.767.4500

Baltimore City Department of Transportation  
[www.baltimorecity.gov/Government/AgenciesDepartments/Transportation.aspx](http://www.baltimorecity.gov/Government/AgenciesDepartments/Transportation.aspx)  
 410.396.7665

Baltimore City Parking Authority  
[www.baltimorecity.gov/Government/QuasiAgencies/ParkingAuthority.aspx](http://www.baltimorecity.gov/Government/QuasiAgencies/ParkingAuthority.aspx)  
 443.573.2800

Baltimore City Public School System  
[www.bcps.k12.md.us](http://www.bcps.k12.md.us)  
 443.984.2000

Baltimore Metropolitan Council  
[www.baltometro.org](http://www.baltometro.org)  
 410.732.0500

Baltimore Neighborhood Indicators Alliance  
[www.bnai.org](http://www.bnai.org)  
 410.837.6651

Bike Baltimore  
[www.baltimorecity.gov/Government/AgenciesDepartments/Transportation/Planning/BikeBaltimore.aspx](http://www.baltimorecity.gov/Government/AgenciesDepartments/Transportation/Planning/BikeBaltimore.aspx)

Bike Maryland  
[www.bikemd.org](http://www.bikemd.org)  
 410.960.6493

Bikemore  
[www.bikemore.net](http://www.bikemore.net)

BMore Streets for People  
[www.facebook.com/pages/BMoreStreets-for-People/121281651312486](http://www.facebook.com/pages/BMoreStreets-for-People/121281651312486)

Central Maryland Transportation Alliance  
[www.cmtalliance.org](http://www.cmtalliance.org)  
 410.332.4172 | ext. 123

Commuter Connections | GUARANTEED RIDE HOME PROGRAM  
[www.mwcog.org/commuter2/commuter/grh/index.html](http://www.mwcog.org/commuter2/commuter/grh/index.html)  
 1.800.745.RIDE (1.800.745.7433)

CSX Corporation  
[www.csx.com](http://www.csx.com)  
 1.877.ShipCSX (1.877.744.7279)

East Coast Greenway  
[www.greenway.org](http://www.greenway.org)  
 +1.919.797.0619

Housing and Transportation Affordability Index  
[htaindex.cnt.org](http://htaindex.cnt.org)

Johns Hopkins ZipCar  
[www.zipcar.com/jhu](http://www.zipcar.com/jhu)  
 1.866.4ZIPCAR (1.866.494.7227)

Maryland Department of Planning | SMART, GREEN & GROWING  
[www.green.maryland.gov](http://www.green.maryland.gov)  
 410.260.8021

Maryland Transit Administration  
[mta.maryland.gov](http://mta.maryland.gov)  
 410.539.5000

Maryland Transportation Authority  
[mdta.maryland.gov](http://mdta.maryland.gov)  
 410.537.1000

Transit Riders Action Council  
[getontrack.org](http://getontrack.org)  
 410.837.0225

Walkscore  
[www.walkscore.com/](http://www.walkscore.com/)

Zipcar  
[www.zipcar.com/Baltimore/find-cars](http://www.zipcar.com/Baltimore/find-cars)  
 410.685.1867

## EDUCATION & AWARENESS

### Baltimore City Community College

[www.bccc.edu](http://www.bccc.edu)  
410.986.5599

### Baltimore City Public School System

[www.bcps.k12.md.us](http://www.bcps.k12.md.us)  
443.984.2000

### Baltimore City Department of Recreation and Parks

[bcrp.baltimorecity.gov](http://bcrp.baltimorecity.gov)  
410.396.7900

### Baltimore Community Foundation

[www.bcf.org](http://www.bcf.org)  
410.332-4171

### Baltimore Energy Challenge

[www.baltimoreenergychallenge.org](http://www.baltimoreenergychallenge.org)  
410.927.6088

### Baltimore Green Forum

[www.baltimoregreenforum.org](http://www.baltimoregreenforum.org)

### Baltimore Green Map

[www.baltimoregreenmap.org](http://www.baltimoregreenmap.org)  
410.235.0838

### Baltimore Green Works

[www.baltimoregreenworks.com](http://www.baltimoregreenworks.com)

### Baltimore Heritage

[www.baltimoreheritage.org](http://www.baltimoreheritage.org)

### Charm City EcoVillage

[www.facebook.com/CharmCityEcoVillage](http://www.facebook.com/CharmCityEcoVillage)

### Chesapeake Bay Foundation

[www.cbf.org](http://www.cbf.org)  
1.800.SAVEBAY

### Chesapeake Bay Trust

[www.cbtrust.org](http://www.cbtrust.org)  
410.974.2941

### Chesapeake Climate Action Network

[www.chesapeakeclimate.org](http://www.chesapeakeclimate.org)  
+1.240.396.1981

### Children in Nature Network

[www.childrenandnature.org](http://www.childrenandnature.org)

### Citizens Planning & Housing Association

[www.cphabaltimore.org](http://www.cphabaltimore.org)  
410.539.1369

### CleanerGreener Baltimore Initiative

[www.cleanergreenerbaltimore.com](http://www.cleanergreenerbaltimore.com)  
410.396.3835

### College of Notre Dame

[www.ndm.edu](http://www.ndm.edu)  
410.435.0100

### Community Greening Resource Network

[www.parksandpeople.org/greening/resource-network/](http://www.parksandpeople.org/greening/resource-network/)  
410.448.5663

### Construction and Energy Technologies Education Consortium

[www.cetecmd.org](http://www.cetecmd.org)  
443.840.4661

### Coppin State College

[www.coppin.edu](http://www.coppin.edu)  
410.951.3000

### EnviroEducation

[enviroeducation.com/states/Maryland](http://enviroeducation.com/states/Maryland)

### Environmental Justice Partnership

[www.environmentaljusticepartnership.org](http://www.environmentaljusticepartnership.org)

### The Environmental Literacy Council

[www.enviroliteracy.org](http://www.enviroliteracy.org)  
202.296.0390

### Friends of Carrie Murray Nature Center

[www.carriemurraynaturecenter.org](http://www.carriemurraynaturecenter.org)  
410.396.0808

### Great Kids Up Close

[www.greatkidsupclose.org](http://www.greatkidsupclose.org)  
443.642.3954

### Green Building Institute

[greenbuildingnetwork.groupsie.com/main/summary](http://greenbuildingnetwork.groupsie.com/main/summary)  
443.733.1234

### Healthy Harbor Initiative

[www.healthyharborbaltimore.org](http://www.healthyharborbaltimore.org)

### Holistic Life Foundation

[www.hlfinc.org](http://www.hlfinc.org)  
410.669.0645

### Interfaith Power & Light

[interfaithpowerandlight.org/](http://interfaithpowerandlight.org/)  
+1.415.561.4891 [California]

### Irvine Nature Center

[www.explorenature.org](http://www.explorenature.org)  
443.738.9200

### Johns Hopkins University

[www.jhu.edu](http://www.jhu.edu)  
410.516.8000

### Johns Hopkins University | SUSTAINABILITY OFFICE

[www.sustainability.jhu.edu](http://www.sustainability.jhu.edu)  
410.516.5544

### Living Classrooms

[www.livingclassrooms.org](http://www.livingclassrooms.org)  
410.685.0295

### Maryland Association for Environmental and Outdoor Education

[www.maeoe.org](http://www.maeoe.org)  
443.733.1220 | ext. 114

### Maryland Clean Energy Center

[mdcleanenergy.org/](http://mdcleanenergy.org/)  
443.949.8505

### Maryland Department of Planning | Smart, Green & Growing

[www.green.maryland.gov](http://www.green.maryland.gov)  
410.260.8021

### Maryland Institute College of Art (MICA)

[www.mica.edu](http://www.mica.edu)  
410.669.9200

### Maryland League of Conservation Voters

[www.mdlcv.org](http://www.mdlcv.org)  
410.280.9855

### The Maryland Zoo in Baltimore

[www.marylandzoo.org/](http://www.marylandzoo.org/)  
410.396.7102



**Masonville Cove Environmental Education Center**

[www.masonvillecove.org](http://www.masonvillecove.org)  
410.246.0669

**Morgan State University**

[www.morgan.edu](http://www.morgan.edu)  
443.885.3333

**National Aquarium**

[www.aqua.org](http://www.aqua.org)  
410.576.3800

**Neighborhood Design Center**

[www.ndc-md.org](http://www.ndc-md.org)

**Parks and People Foundation**

[www.parksandpeople.org/learn/](http://www.parksandpeople.org/learn/)  
410.448.5663

**Patterson Park Audubon Center**

[pattersonpark.audubon.org](http://pattersonpark.audubon.org)  
410.558.2473

**Sojourner-Douglass College**

[www.sdc.edu](http://www.sdc.edu)  
410.276.0306

**TreeBaltimore**

[treebaltimore.org](http://treebaltimore.org)  
410.458.7888

**US Green Building Council | Maryland**

[www.usgbcmd.org](http://www.usgbcmd.org)  
202.828.7422

**Zero Litter**

[www.zerolitter.com](http://www.zerolitter.com)  
[www.facebook.com/Zerolitter](http://www.facebook.com/Zerolitter)

**GREEN ECONOMY****Baltimore Area Convention and Visitors Association**

[www.Baltimore.org](http://www.Baltimore.org)  
877.225.8466

**Baltimore Business Journal**

[www.bizjournals.com/Baltimore/](http://www.bizjournals.com/Baltimore/)  
410.576.1161

**Baltimore Center for Green Careers**

[www.baltimoregreencareers.org](http://www.baltimoregreencareers.org)  
410.929.6120

**Baltimore City Department of Planning**

[www.baltimorecity.gov/Government/AgenciesDepartments/Planning.aspx](http://www.baltimorecity.gov/Government/AgenciesDepartments/Planning.aspx)  
410.767.4500

**Baltimore City Mayors Office of Employment Development**

[www.oedworks.com](http://www.oedworks.com)  
410.396.1910

**Baltimore Development Corporation (BDC)**

[www.baltimoredevelopment.com](http://www.baltimoredevelopment.com)  
410.837.9305

**Baltimore Green Currency Association**

[www.baltimoregreencurrency.org](http://www.baltimoregreencurrency.org)

**Baltimore Green Works**

[www.baltimoregreenworks.com](http://www.baltimoregreenworks.com)

**Baltimore Office of Promotion & the Arts**

[www.bop.org](http://www.bop.org)  
410.752.8632

**Baltimore Running Festival**

[www.thebaltimoremarathon.com](http://www.thebaltimoremarathon.com)  
410.605.9381

**Baltimore Workforce Investment Board**

[www.Baltoworkforce.com](http://www.Baltoworkforce.com)  
410.396.1910

**B Corporation**

[www.bcorporation.net](http://www.bcorporation.net)

**Bethesda Green**

[www.bethesdagreen.org](http://www.bethesdagreen.org)  
240.396.2440

**City Bizlist**

[Baltimore.citybizlist.com](http://Baltimore.citybizlist.com)  
443.562.9472

**Civic Works**

[www.civicworks.com](http://www.civicworks.com)  
410.366.8533

**Construction and Energy Technologies Education Consortium**

[www.cetecmd.org](http://www.cetecmd.org)  
443.840.4661

**Green and Healthy Homes Initiative**

[www.greenandhealthyhomes.org](http://www.greenandhealthyhomes.org)  
410.534.6447

**Green Jobs Network**

[www.maryland.greenjobs.net](http://www.maryland.greenjobs.net)

**Maryland Department of Business & Economic Development**

[www.choosemaryland.org](http://www.choosemaryland.org)  
410.767.6300

**Maryland Department of Planning | Smart, Green & Growing**

[www.green.maryland.gov](http://www.green.maryland.gov)  
410.260.8021

**Maryland Division of Labor and Industry (DLLR)**

[www.dllr.state.md.us/greenjobs/](http://www.dllr.state.md.us/greenjobs/)  
410.230.6001

**Maryland Energy Administration**

[energy.maryland.gov](http://energy.maryland.gov)  
410.260.7655

**Maryland Green Registry**

[www.mde.maryland.gov/MarylandGreen](http://www.mde.maryland.gov/MarylandGreen)  
410.537.3000

**Parks and People Foundation**

[www.parksandpeople.org](http://www.parksandpeople.org)  
410.448.5663

**Under Armour**

[www.underarmour.com](http://www.underarmour.com)  
888.727.6687

**US Green Building Council | Maryland**

[www.usgbcmd.org](http://www.usgbcmd.org)  
202.828.7422

**Youthworks**

[www.oedworks.com/youthserv/summer.htm](http://www.oedworks.com/youthserv/summer.htm)  
410.545.1820

Notice an error? Do you know a group that should be listed here? Please contact Alice Kennedy with any comments:

[Alice.Kennedy@BaltimoreCity.gov](mailto:Alice.Kennedy@BaltimoreCity.gov)

# SUSTAINABILITY PLEDGE

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**SUSTAINABILITY:** Meeting the current environmental, social and economic needs of our community without compromising the ability of future generations to meet these needs.

Name: \_\_\_\_\_

Address: \_\_\_\_\_

Phone: \_\_\_\_\_

Email: \_\_\_\_\_

## I pledge to:

- ☐ Become a Sustainability Ambassador for my neighborhood **[sustainability@baltimorecity.gov](mailto:sustainability@baltimorecity.gov)** or **410-396-4556**
- ☐ Become a Baltimore Neighborhood Energy Challenge Captain **[info@baltimoreenergychallenge.org](mailto:info@baltimoreenergychallenge.org)** or **410-927-6088**
- ☐ Place trash in a can with a tight fitting lid
- ☐ Volunteer with one of Baltimore's many park stewardship groups
- ☐ Organize a Community Pitch-In through DPW
- ☐ Work with neighbors to create and manage a community open space
- ☐ Drive less – use public transit, walk or bike to your destination
- ☐ Use natural household cleaning products
- ☐ Use a push lawn mower or battery operated lawn mower
- ☐ Participate in Blue Water Baltimore watershed activities
- ☐ Use power strips for electronic devices and turn them off when not in use
- ☐ Look for and stop water leaks around the home which can waste more than 10% of your water
- ☐ Compost yard and food waste
- ☐ Encourage the reuse of materials by donating to Baltimore Free Store or The Loading Dock
- ☐ Plant and care for trees at home
- ☐ Grow vegetables and herbs at home or in a community garden
- ☐ Plant native species in the garden
- ☐ Volunteer at the local park or community-managed open space
- ☐ Utilize the “Rate My Ride” survey by texting the word “ride” to 30802
- ☐ Sign up for Zipcar
- ☐ Bike to work or to run errands
- ☐ Carpool with family, friends and neighbors
- ☐ Tell a friend about the Baltimore Sustainability Plan
- ☐ Share a sustainability success story at **[www.baltimoresustainability.org](http://www.baltimoresustainability.org)**
- ☐ Volunteer to help a school create or maintain outdoor education space
- ☐ Host a sustainability house party to exchange information with friends and neighbors
- ☐ Support locally owned and operated businesses
- ☐ Tell a friend about the importance of buying local
- ☐ Register a business with the Maryland Green Registry
- ☐ Shop at one of the many farmers markets located in Baltimore City

To learn more and to find out what you can do, visit: **[www.baltimoresustainability.org](http://www.baltimoresustainability.org)**  
or email us at **[sustainability@baltimorecity.gov](mailto:sustainability@baltimorecity.gov)** or call us: **410-396-4556**



You may view the Annual Sustainability Reports from previous years by clicking on the **RESOURCE CENTER** tab of the Baltimore Office of Sustainability Website. Or, by entering the following url into your browser:

**<http://www.baltimoresustainability.org/resources>**

The Resource Center is your go-to source for information on all things relating to sustainability in Baltimore. It offers a variety of downloadable content as well as links to outside resources.

At the Resource Center, you may view information on current **PROGRAMS** or download past **EDUCATIONAL PRESENTATIONS**—like those given at Commission on Sustainability meetings. Additionally, the site offers a number of downloadable **SUSTAINABILITY GUIDES**, including:

- *Baltimore's Eco-Friendly Holiday Guide*
- *Bicycle Commuter Resource Guide*
- *Energy Saving Tips and Resources*
- *Greening Neighborhoods Guide*
- *Guide to Composting in Baltimore*
- *Guide to Preserving Community Managed Open Spaces*
- *Guide to Turn Vacant Lots into Gardens*

In addition to the abovementioned resources, the site offers information on the Baltimore City Plastic Bag Reduction Program, Community Energy Savers Grant, School Programs, Urban Agriculture, and much more.

**The Commission on Sustainability meets on the 4th Tuesday of every month. Check the website for any changes.**



## ACKNOWLEDGEMENTS

### BALTIMORE COMMISSION ON SUSTAINABILITY

**Ted Atwood**

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