



# SUSTAINABLE DC

FIRST YEAR PROGRESS REPORT: APRIL 2014





## FROM THE EXECUTIVE OFFICE OF THE MAYOR

**Thanks to you, we are making the District healthier, greener, and more livable.**

**After one year**—through the hard work, investment, and innovation of thousands of people across the District—83 percent of Sustainable DC Plan actions are underway to grow jobs and businesses, improve health and wellness, increase equity and diversity, and address climate change and protect our environment.

The 27 agencies of my Green Cabinet are designing and implementing new strategies to improve sustainability and quality of life. As part of my \$8 million *Sustainable DC Innovation Challenge*, 21 agency projects are now underway to reduce stormwater runoff, increase urban agriculture, and incubate new, local food businesses. I am also holding agencies accountable to implement the projects: 73 percent of plan actions are now integrated into agency performance plans.

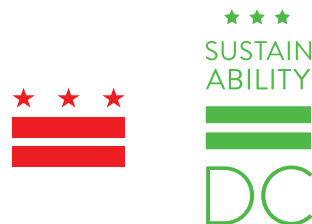
Ten new task forces made up of agency and community stakeholders have formed to address major policy challenges and guide efforts to grow the green economy and increase access to parks, nutritious food, and healthy housing. Some policies are already taking shape. I worked with the DC Council to pass the *Sustainable DC Act of 2012* and introduce the *Sustainable DC Act of 2013*. Together, the 18 provisions of these bills will deliver a range of benefits including an expanded environmental literacy program in our schools, increased use of transit and alternative fuel vehicles, and reduced river pollution from styrofoam.

To achieve our ambitious goals, we called on residents, workers, businesses, and institutions to join the effort. Residents citywide and organizations large and small have responded to this call and are taking action.

But we are just getting started. Please join the District government, our dedicated partners, and residents citywide as we build a healthier, greener, and more livable DC. Get more information and get involved at [www.sustainabledc.org](http://www.sustainabledc.org).

Thank you,

Mayor Vincent C. Gray





Neighbors in Anacostia organized a trash and litter clean-up in partnership with Sustainable DC.

## YOU ARE SUSTAINABLE DC

**Whether you realize it or not, you are already part of Sustainable DC.** Every day, each of us can—and increasingly do—contribute to creating a healthier, greener, and more livable city. Adjusting the thermostat a few degrees doesn't just save money, it reduces pollution and conserves resources. Shopping at one of DC's 47 farmers markets doesn't just provide better tasting food, it supports the local economy. Walking or riding a bike isn't just economical, it's sustainable for us all. See! You're already part of Sustainable DC!

There are many other ways our everyday decisions affect citywide sustainability and have a real impact on the resources we consume and the money we spend.

### DID YOU KNOW?

- Recycling one glass bottle saves enough energy to power a 100-watt light bulb for four hours.
- Setting the thermostat two degrees lower in the winter (or higher in the summer) reduces carbon pollution by 2,000 pounds each year—and saves *you* money.
- One ton of 100% recycled paper saves 4,100 kilowatt hours of energy, 7,000 gallons of water, 60 pounds of air pollution, and three cubic yards of landfill space.

### SUSTAINABILITY PARTNERS

- Over the last five years, **53 businesses and individuals** have received Mayor's Sustainability Awards. 2013 winners include: the **Dumbarton House**, which is purchasing sustainable office supplies and wind energy; **Mundo Verde Public Charter School**, which makes environmental issues central to its curriculum; **Washington Gas Energy Services**, which promotes green power use to District customers; and **community advocate Robert Jordan**, whose leadership is transforming an abandoned Ward 7 basketball court into a community garden.
- **Nine colleges and universities, 16 downtown businesses**, and over **80 international institutions** are participating in sustainability pledges to green their operations, and the healthcare industry is organizing a fourth pledge.
- Neighborhood-based community groups like **Anacostia Trash Talk** (pictured above) are taking action to clean and green their neighborhoods.
- **Going Green Today's Do It For DC! Challenge** ([www.dc.goinggreentoday.com](http://www.dc.goinggreentoday.com)) provides daily tips on how to change your own actions to be more sustainable, while saving you money.





A participant in DC Central Kitchen's Culinary Job Training program prepares a healthy meal while developing valuable job skills.

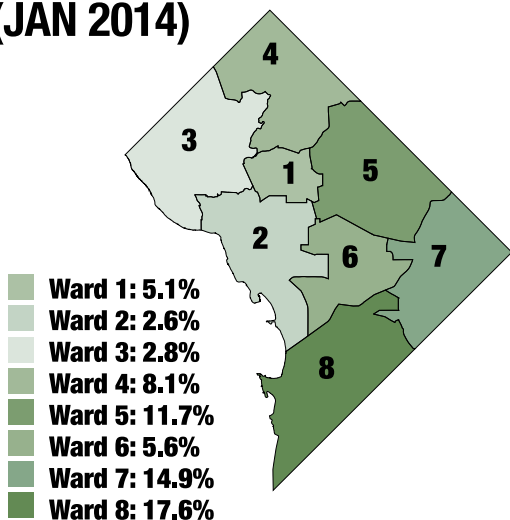


A group class provides an opportunity for residents to exercise inexpensively along the Anacostia Riverfront in Ward 6.

## JOBS & THE ECONOMY

The District's unemployment rate is 7.4%, down 1.2% in the past year. Rates are also falling in higher unemployment areas like Ward 8, decreasing from 24.9% in January 2012 to 17.6% today. Many factors contribute to reduced unemployment, but District policies and programs play an important role. Through the *One City – One Hire* program, 9,100 formerly unemployed residents have been hired in the past three years. Jobs training programs are expanding and entrepreneurship is increasing. The new *Benefit Corporation Act* spurred 13 new DC businesses that include social good as part of their bottom lines. Social entrepreneurs are using innovative business models, such as the **City First Enterprises' Community Wealth Building Initiative**, to create cooperatively-owned businesses that deliver sustainable products and services such as local food production facilities and green infrastructure for stormwater management.

### UNEMPLOYMENT BY WARD (JAN 2014)



## HEALTH & WELLNESS

Ensuring the health and well-being of all District residents is a critical and complex challenge. Sustainable DC's government and community partners are working hard to improve health for all, particularly the most vulnerable. Through the *Play DC* initiative, the **Department of Parks and Recreation (DPR)** is developing strategies to improve park access for residents across the city. To make our neighborhoods more walkable, especially for low-income residents, a mayoral task force will develop standards to ensure public and affordable housing is *Healthy by Design*. *Live Well DC*, a **Department of Health** public awareness campaign for healthy living, hired 12 health coaches to inspire and advise residents on getting—and staying—active. DPR, the **University of the District of Columbia**, and community partners such as **Arcadia Farms**, **Relay Foods**, and **DC Central Kitchen** are expanding access to healthy foods through mobile farmers' market buses, fresh food deliveries, and stocking fresh produce in corner stores in underserved areas of the District.



**100 POLICE CRUISERS**  
EQUIPPED WITH ANTI-IDLING DEVICES,  
CUTTING IDLING TIME BY 60%



Neighbors break ground with Mayor Gray on the new Dance Place studio at the Brookland Artspace Lofts, an arts campus including affordable artist lofts.



Kids in Ward 7 learn about soil and worm composting at the Washington Youth Garden.

## EQUITY & DIVERSITY

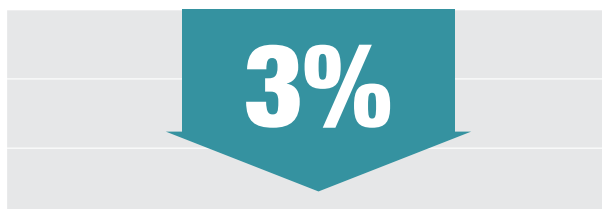
Addressing long-standing concentrations of poverty, unemployment, struggling schools, and chronic disease is at the heart of Sustainable DC. The District is investing heavily in affordable housing, business and workforce development, education, health initiatives, and public facilities to create new opportunities and increase equity citywide. Mayor Gray has invested \$187 million in affordable housing and proposed \$100 million in additional funding for next year. The Mayor also proposed \$116 million in new funding to expand public school programs and classroom hours. School reconstruction and modernization continues in all wards. Ten projects were built last year—all to green building standards—including the LEED-Platinum Dunbar High School, which features the largest solar power system in the city. Sustainable DC funded an environmental literacy pilot curriculum in eight schools, and Mayor Gray proposed legislation to create a formal environmental literacy program through the **Office of the State Superintendent of Education**.



## CLIMATE & ENVIRONMENT

Across the Sustainable DC plan, 119 actions are underway to improve the air we breathe, reduce pollution in our waterways, and protect green and natural spaces. Green buildings, green energy, green roofs, and green streets are on the rise, increasing our local quality of life, reducing our impact on the climate, and protecting us from the hazards of climate change. Greenhouse gas (GHG) emissions continued to decline through 2012—the latest data available—dropping by 18% compared to 2006. The District is updating its *Climate Mitigation Plan* for greenhouse gas reduction and beginning a *Climate Adaptation Plan* to better prepare for floods, heat, and extreme weather. The city is also taking more immediate action: **DC Water** is raising seawalls to protect our wastewater treatment facility and **Metro** is incorporating climate-resilient infrastructure into our transit system. In the past year, major public/private coordination efforts focused on ensuring citywide power reliability through the Power Line Undergrounding Task Force, and the city moved to reduce chronic neighborhood flooding in Bloomingdale.

### GHG EMISSIONS DOWN



**AVERAGE PER YEAR 2006-2012**



The recently reconstructed Dunbar High School features a green roof, rooftop solar, and an underground geothermal system.

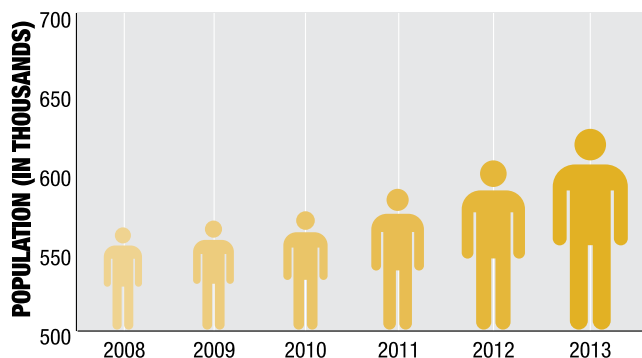


A green worker installs an LED streetlight in the District, soon to be standard across the city.

## BUILT ENVIRONMENT

The District continues to grow in population by more than 1,000 new residents every month. There are now more District residents than at any time since 1979. The challenge for the city is to manage this growth in an equitable way—to welcome new residents and businesses while keeping the District affordable for those who have called it home for decades. Sustainable DC is working to make the city more equitable and affordable while also making the city's physical environment more sustainable. The new *2013 Building Construction Code* includes the country's first adopted *Green Construction Code*, as well as provisions to increase energy and water efficiency in buildings. Mayoral task forces were formed to plan for the next generation of green codes, the future of building energy standards, and "greening" affordable housing. To make building energy consumption transparent to all, the **Department of General Services'** *Build Smart DC* website makes real-time energy data for schools and other facilities available online.

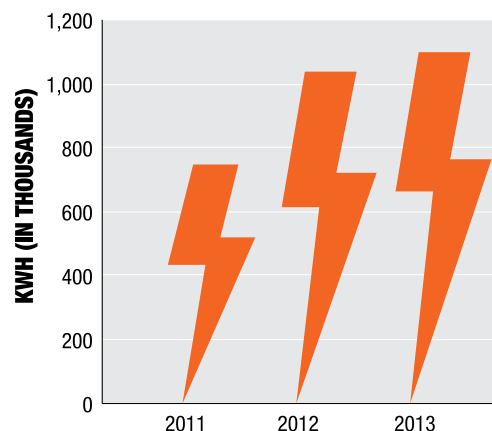
## DISTRICT POPULATION



## ENERGY

The District made extensive investments in the past year in energy efficiency and renewable energy across the public and private sectors. Despite significant growth in population and jobs, the District *decreased* its use of energy overall and *increased* community-wide electricity use from renewable sources to 12.1%. Through the *DC Smarter Business Challenge* with the **DowntownDC Business Improvement District**, 16 companies have pledged to lower their energy use in 17.6 million square feet of office space. The city's universities, hospitals, and embassies are also implementing innovative new energy programs. **DC SUN** and other community partners organized 11 neighborhood solar cooperatives for group solar purchases and the organization **Groundswell** has assisted more than 250 homeowners in purchasing energy efficiency upgrades. Across the District government portfolio, 27 public schools participated in the *Green Schools Challenge*, saving 76,500 kilowatt hours in just three weeks, and the *Game Change* initiative is implementing ambitious energy retrofits and renewables expansion in schools and other public buildings.

## ANNUAL CLEAN POWER USAGE (KWH)







Chefs demonstrate healthy cooking with an OSSE *Chefs versus Students* competition at Thurgood Marshall Academy in Ward 8.

## FOOD

Organizations and people across the District are focusing their energy on urban agriculture and local food production. **Casey Trees** expanded planting of fruit-bearing trees and bushes, especially on school grounds. **Bright Farms** and the **Anacostia Economic Development Corporation** are building a 100,000 square foot greenhouse farm in Ward 8 to grow a million pounds of local produce each year and create new jobs. The **Department of Parks and Recreation** is installing a new community garden in every ward. Ninety-three public schools now have an educational garden onsite, and the city's first outdoor classroom will be constructed at Hardy Middle School with funding from Sustainable DC. **Union Kitchen**, a culinary incubator, opened this year to launch new food-related businesses, and Sustainable DC is funding additional community greenhouse facilities as well as a demonstration kitchen at the **University of the District of Columbia**. To ensure access to fresh, healthy food for residents across the District, a mayoral task force will analyze "food deserts"—areas where access to affordable, healthy food is low—and develop strategies to reduce food insecurity.

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       **62**  
**NEW COMMUNITY**  
**GARDEN PLOTS BUILT**  
**IN 5 WARDS**



The Anacostia Watershed Society leads a community tree-planting event.

## NATURE

Sustainable DC is literally making the District greener. This year, the **District Department of Transportation**, the **District Department of the Environment**, and partners such as **Casey Trees** and **Washington Parks and People** planted over 9,000 trees. New stormwater regulations will greatly expand the use of "low impact development" techniques with rain gardens, green roofs, and native plants included in the new developments and major renovations. As part of the *Play DC* initiative, the District built or significantly upgraded 24 playgrounds across the city. Each uniquely-themed playground includes sustainable features such as stormwater management and native plants. A mayoral task force is assessing ways to increase access to parks for residents across the District. Part of this solution will include new or remodeled trails for biking, nine miles of which are currently in the planning phase for future construction.

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 **9,280**  
**TREES PLANTED**

.....

 **24**  
**PLAYGROUNDS**  
**BUILT OR RENOVATED**



Workers test the new DC Streetcar on H Street NE, which will soon provide a new transit option to all eight wards through a 37-mile network.

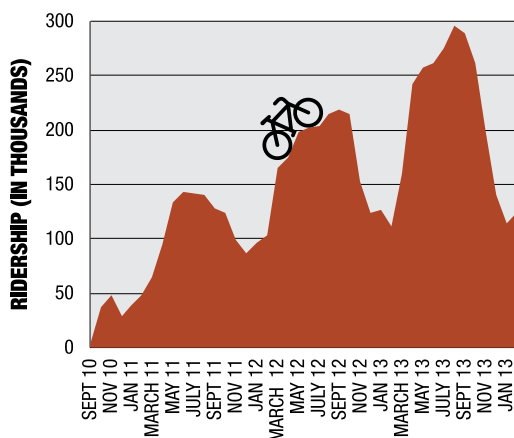


The Blue Plains Advanced Wastewater Treatment Plant's new anaerobic digesters will save \$10 million in trucking costs and produce a third of the facility's energy.

## TRANSPORTATION

Transportation options continued to expand this year. The **District Department of Transportation's** first streetcar line on H Street NE is in final testing. Capital Bikeshare expanded to 197 stations in the District (and many more in neighboring jurisdictions). There are now 63 miles of bike lanes in the District, including 4.5 miles of protected cycle tracks. DC ranks among the most bikeable cities in the country, and partners like the **Washington Area Bicyclist Association** are expanding support and education for bicyclists with programs like *Women & Bicycles* and outreach in Wards 7 and 8. To promote walking, crosswalk lights are being reprogrammed to allow more time for pedestrian crossings and streets such as Georgia Avenue have been made safer and more walkable for seniors. All of these strategies are paying off. Walking and biking rates are increasing, 38% of city households do not own cars, and only 34% of District commuters drove alone (or took taxis) to work in 2012. The city is also planning for the future, conducting extensive outreach in the past year as part of the *MoveDC* comprehensive transportation plan.

### CAPITAL BIKESHARE TRIPS



## WASTE

The District is moving forward with new programs and policies to reduce waste and better reuse and recycle materials. The **Department of Public Works (DPW)** is delivering larger residential recycling bins to households citywide. A partnership between District government and city **Business Improvement Districts (BIDs)** recently expanded public street recycling to the **NoMa** and **Capitol Riverfront** neighborhoods. In our schools, the **Department of General Services** expanded recycling services and launched a composting pilot in 11 public schools. **DC Water** broke ground on a major combined heat and power facility at the Blue Plains Advanced Wastewater Treatment Plant that will generate energy to meet over one-third of the plant's power needs. Private organizations are making great strides as well. **American University**, for example, is diverting 67% of its waste through reuse, recycling, and composting initiatives. The city is also developing new policy to reduce waste. Mayor Gray proposed a ban on the use of styrofoam in food businesses and DPW is developing a *Waste Strategy Road Map* to guide decision-making around the waste stream.



### 11 SCHOOL COMPOSTING PILOT PROJECTS





Children play in one of the water features in Yards Park, which was designed to reconnect visitors with the Anacostia River.

## WATER

In just the past year, groundbreaking new stormwater regulations went into place requiring on-site capture of stormwater to protect our rivers. A first-of-its-kind stormwater credit trading program provides financial incentives to property owners to implement stormwater management improvements even when not required. A new zoning regulation called the Green Area Ratio requires minimum coverage of permeable surfaces or plants. The District also continues to expand green roof coverage: District government, community partners, and private developers installed more than 300,000 square feet of green roof last year—more than any other city in the country. Work is progressing to restore our waterways. A major stream restoration is underway at Broad Branch and three other projects are in design. The **District Department of the Environment** is also studying sediments in the Anacostia to identify sources of pollution and strategies for remediation. Strong partners such as **Groundwork Anacostia River DC**, the **Anacostia Watershed Society**, and the **Anacostia Riverkeeper** continue to clean the Anacostia River while educating residents—especially youth—on the important role of our rivers in our quality of life. The **Federal City Council** and **DC Environmental Network** launched the *United for a Healthy Anacostia River* campaign to advocate for toxics cleanup and river restoration.



**300,000 FT<sup>2</sup>  
OF GREEN ROOF  
INSTALLED IN 2013**



# PLAN PROGRESS CHART

This chart lists progress made on all 143 actions in the Sustainable DC Plan. For more details on the progress of an individual action, please visit [www.sustainabledc.org/planprogress](http://www.sustainabledc.org/planprogress). A list of acronyms can be found at [www.sustainabledc.org/acronyms](http://www.sustainabledc.org/acronyms).

## PROGRESS KEY

● ● ● ● Not started

● ● ● ● Initiated

● ● ● ● Moderate progress

● ● ● ● Significant progress

● ● ● ● Complete

ACTION	TIME FRAME	LEAD AGENCY	PROGRESS
<b>GOVERNANCE</b>			
<b>GOAL 1: Expand District government leadership to implement the Sustainable DC plan.</b>			
1.1 Dedicate District government staff and funding to implement the Sustainable DC plan, track progress, and make results publicly available.	Short	EOM	● ● ● ●
1.2 Implement a process to collect, analyze, and report data to ensure progress toward goals and targets by prescribed dates.	Short	EOM	● ● ● ●
1.3 Identify existing laws, regulations, and policies that conflict with sustainability goals and areas where new authority is required.	Short	EOM	● ● ● ●
1.4 Expand public/private collaboration to meet sustainability goals.	Short	EOM	● ● ● ●
1.5 Expand sector-based sustainability pledges and challenges to promote adoption of sustainable practices.	Short	EOM	● ● ● ●
1.6 Continue annual "Budget Challenge" competition for innovative sustainability projects within District government.	Medium	EOM	● ● ● ●
<b>JOBS &amp; THE ECONOMY</b>			
<b>Goal 1: Grow and diversify DC's business sectors for sustained economic prosperity.</b>			
1.1 Complete a review of regulatory reform options to make it easier to do business in the District.	Short	DCRA	● ● ● ●
1.2 Formally recognize corporations that meet independent social and environmental performance standards.	Medium	DCRA	● ● ● ●
1.3 Use anchor institutions to create local markets for sustainable enterprises.	Medium	OCP	● ● ● ●
<b>Goal 2: Expand the number and range of jobs available to District residents and ensure access to new jobs through appropriate skills training.</b>			
2.1 Improve integration of sustainable jobs training into school curricula to expose schoolchildren to new careers.	Short	OSSE	● ● ● ●
2.2 Partner with the Workforce Investment Council to develop targeted workforce development strategies.	Short	DOES	● ● ● ●
<b>HEALTH &amp; WELLNESS</b>			
<b>Goal 1: Inspire healthy, active lifestyles for all residents, regardless of income, ability, or employment.</b>			
1.1 Expand public park access and programming to promote healthy lifestyles through physical exercise.	Short	DPR	● ● ● ●
1.2 Invest in a public health campaign to promote the benefits of healthy eating and active living.	Short	DOH	● ● ● ●
<b>Goal 2: Create safe environments that are conducive to healthy living.</b>			
2.1 Develop a "Healthy by Design" program for new affordable housing projects, with priority focus in low-income and underserved neighborhoods.	Medium	DCHA	● ● ● ●
2.2 Complete a feasibility study to understand the environmental, economic, and social barriers to healthy lifestyles that are specific to the District.	Short	DOH	● ● ● ●
<b>EQUITY &amp; DIVERSITY</b>			
<b>Goal 1: Ensure that all school-age children in the District are educated in sustainability and prepared for a changing green economy.</b>			
1.1 Modernize all public school buildings.	Medium	DGS	● ● ● ●
1.2 Increase the quality and number of Early Childhood Development Centers.	Short	DME	● ● ● ●
1.3 Launch the implementation of the Environmental Literacy Plan (ELP) in school curriculum.	Short	DDOE	● ● ● ●
<b>Goal 2: Ensure transparency in the District's sustainability agenda including future plans and past progress.</b>			
2.1 Reach community members in their daily lives with sustainability information.	Short	DDOE, OP	● ● ● ●
2.2 Feature the actions and impacts of residents and local community leaders in public sustainability campaigns.	Short	DDOE	● ● ● ●
<b>CLIMATE &amp; ENVIRONMENT</b>			
<b>Goal 1: Minimize the generation of greenhouse gas emissions from all sources.</b>			
1.1 Create online tools that allow people to view and share greenhouse gas emissions data and make more informed choices.	Short	DDOE	● ● ● ●
1.2 Create financial tools that support climate protection programs by capturing the environmental costs of products and services.	Short	DDOE	● ● ● ●
1.3 Report District emissions on a regular basis to track the reductions that can be attributed to specific initiatives.	Short	DDOE	● ● ● ●
<b>Goal 2: Advance physical adaptation and human preparedness to increase the District's resilience to future climate change.</b>			
2.1 Evaluate the vulnerability of the District's energy infrastructure to the anticipated impacts of climate change.	Short	DDOE	● ● ● ●
2.2 Prepare District emergency services to respond to severe climate-related events such as extreme heat, storms, and flooding.	Medium	HSEMA	● ● ● ●
2.3 Require adaptation solutions as part of planning consent for new developments.	Medium	OP	● ● ● ●
2.4 Ensure transportation infrastructure can withstand the upper ranges of projected climate change impacts.	Long	DDOT	● ● ● ●
<b>BUILT ENVIRONMENT</b>			
<b>Goal 1: Increase urban density to accommodate future population growth within the District's existing urban area.</b>			
1.1 Increase affordable housing in the District.	Long	EOM	● ● ● ●
1.2 Expand brownfield redevelopment incentives and certification programs.	Long	DDOE	● ● ● ●
1.3 Reduce required parking minimums and restrict surface parking for large developments.	Short	OP	● ● ● ●
1.4 Modify zoning regulations to allow accessory dwellings such as apartments over garages or in basements.	Short	OP	● ● ● ●
<b>Goal 2: Develop active and vibrant neighborhoods to create new economic opportunity and support a high quality of life.</b>			
2.1 Ease permitting requirements for temporary arts, community, and business uses.	Short	DCRA	● ● ● ●
2.2 Create a government-backed revolving loan fund to support new businesses with a priority for those developed by District residents.	Medium	DSLBD	● ● ● ●
2.3 Convert five vacant buildings into permanent cultural or business incubation centers.	Long	DMPED	● ● ● ●
2.4 Triple the number of Live Near Your Work grants.	Medium	OP	● ● ● ●
2.5 Locate new affordable housing in walkable neighborhoods.	Long	DHCD	● ● ● ●
2.6 Implement the Southwest Ecodistrict Initiative and Maryland Avenue Small Area Plan.	Long	OP	● ● ● ●
<b>Goal 3: Improve the sustainability performance of existing buildings.</b>			
3.1 Rehabilitate all public housing to be green, healthy, and capable of meeting net-zero energy standards.	Long	DCHA	● ● ● ●
3.2 Eliminate environmental health threats such as mold, lead, and carbon monoxide in at least 50% of the District's affordable housing.	Medium	DDOE, DHCD	● ● ● ●
3.3 Expand existing programs to train 100 District residents in the latest green construction skills.	Medium	DOES	● ● ● ●
3.4 Build public-private partnerships to expand best practices for building operations and maintenance.	Long	DGS	● ● ● ●



ACTION	TIME FRAME	LEAD AGENCY	PROGRESS
3.5 Retrofit and modernize all public buildings to at least the LEED Gold standard or equivalent green building certification.	Long	DGS	●●●●●
<b>Goal 4: Ensure the highest standards of green building design for new construction.</b>			
4.1 Update the Green Building Act to require higher levels of LEED certification.	Medium	DDOE	●●●●●
4.2 Provide incentives for new building projects to achieve at least the LEED Gold standard certification or equivalent.	Medium	DMPED	●●●●●
4.3 Incorporate best practice sustainability principles into neighborhood planning.	Short	OP	●●●●●
4.4 Adopt the latest green construction codes for all new construction and major renovations.	Short	DCRA	●●●●●
4.5 Require all new buildings to be net-zero or net-positive.	Long	DDOE	●●●●●
<b>ENERGY</b>			
<b>Goal 1: Improve the efficiency of energy use to reduce overall consumption.</b>			
1.1 Require building energy audits and disclosure of energy performance.	Long	DDOE	●●●●●
1.2 Establish Minimum Energy Performance Standard for buildings, phased in by building size.	Long	DDOE	●●●●●
1.3 Replace all street and public lighting with high-efficiency fixtures.	Short	DDOT	●●●●●
1.4 Fund \$500 million of renewable energy and efficiency retrofits.	Medium	DDOE	●●●●●
1.5 Complete a Comprehensive Energy Plan by 2014.	Short	DDOE	●●●●●
1.6 Launch a citywide educational campaign to lower citywide energy use.	Short	DDOE	●●●●●
<b>Goal 2: Increase the proportion of energy sourced from clean and renewable supplies.</b>			
2.1 Introduce legislation to reduce fossil fuel-based power use.	Long	DDOE	●●●●●
2.2 Complete a feasibility study to identify opportunities for neighborhood-scale renewable energy systems.	Short	DDOE	●●●●●
2.3 Build 1,000 additional residential and commercial renewable energy projects.	Medium	DDOE	●●●●●
2.4 Allow community solar and renewable energy systems through legislation.	Short	DDOE	●●●●●
2.5 Develop a wind farm in the region to power District government and private facilities.	Long	DGS	●●●●●
<b>Goal 3: Modernize energy infrastructure for improved efficiency and reliability.</b>			
3.1 Develop a plan for citywide rollout of smart meters and smart grid infrastructure.	Medium	DDOE	●●●●●
3.2 Work with utility companies to improve the reliability of energy transmission and distribution.	Medium	DDOE	●●●●●
3.3 Modernize electricity infrastructure to enable expansion of local energy generation projects.	Medium	DDOE	●●●●●
3.4 Work with local educational and workforce development institutions to train District residents for work in the renewable energy and energy efficiency industry.	Short	DOES	●●●●●
<b>FOOD</b>			
<b>Goal 1: Increase agricultural land uses within the District.</b>			
1.1 Adopt the Sustainable Urban Agriculture Act and zoning amendments for expanded urban agriculture.	Short	DDOE	●●●●●
1.2 Streamline the process to find and use land for community agriculture projects.	Long	OP	●●●●●
1.3 Install educational gardens at 50% of DC Public Schools.	Medium	DCPS	●●●●●
1.4 Develop orchards or other food-producing landscaping on 5 acres of DC's public spaces.	Long	DGS	●●●●●
1.5 Develop permitting for pop-up agriculture.	Short	DCRA	●●●●●
<b>Goal 2: Ensure universal access to secure, nutritious, and affordable food supplies.</b>			
2.1 Expand the DC Healthy Corner Store initiative.	Medium	DOH	●●●●●
2.2 Introduce fresh food circulators and mobile vendors in neighborhoods with poor access to fresh foods.	Medium	DOH	●●●●●
2.3 Expand the Double Dollars program to farmers' markets and corner stores citywide.	Medium	DOH	●●●●●
2.4 Incorporate best practices in healthy and local menus in all DC Public Schools.	Medium	DCPS	●●●●●
2.5 Increase transparency about the nutritional content of food.	Long	DOH	●●●●●
2.6 Develop cooperative food purchasing systems.	Medium	OP	●●●●●
<b>Goal 3: Develop the food industry into a strong and viable economic sector.</b>			
3.1 Complete a comprehensive study of DC food supply systems.	Short	OP	●●●●●
3.2 Create a Local Food Hub for consolidation and distribution of local produce.	Medium	DMPED	●●●●●
3.3 Develop small business food processing incubator center in DC.	Short	DSLBD	●●●●●
3.4 Permit incidental sales of food from community gardens.	Short	DCRA	●●●●●
3.5 Designate staff to actively participate in a new Food Policy Council.	Short	OP	●●●●●
3.6 Increase government and institutional procurement of local foods.	Short	OCP	●●●●●
<b>NATURE</b>			
<b>Goal 1: Protect and restore wetlands, waterways, and aquatic ecosystems.</b>			
1.1 Work with the National Park Service to update open space guidelines and management policies.	Long	DDOE	●●●●●
1.2 Develop an Urban Wetland Registry to facilitate restoration or creation of wetland habitat.	Medium	DDOE	●●●●●
1.3 Plant and maintain an additional 140 acres of wetlands along the Anacostia and Potomac Rivers and smaller streams.	Long	DDOE	●●●●●
1.4 Require new waterfront developments and renovations to incorporate Low Impact Development strategies.	Medium	DDOE	●●●●●
1.5 Implement a Fisheries Management Plan to restore DC's native fisheries.	Medium	DDOE	●●●●●
<b>Goal 2: Protect and expand tree cover and green landscapes, creating an integrated District-wide ecosystem.</b>			
2.1 Plant 8,600 new trees citywide per year until 2032.	Short	DDOT UFA	●●●●●
2.2 Replace 75% of public lighting with fixtures that reduce light pollution.	Long	DDOT	●●●●●
2.3 Create a connectivity map to guide development of viable habitats throughout the District.	Short	DDOE	●●●●●
2.4 Require trees and green space on all new development sites.	Medium	OP	●●●●●
2.5 Stipulate use of native plant varieties for District government plantings and landscaping.	Medium	DDOT UFA	●●●●●
<b>Goal 3: Enhance access to parks and open spaces for all residents.</b>			
3.1 Prepare an open space plan to increase residential connections to green space and the rivers.	Short	DPR	●●●●●
3.2 Expand the formal trail network for hiking and biking.	Medium	DDOT	●●●●●
3.3 Renovate and improve all District playgrounds.	Short	DPR	●●●●●
3.4 Improve transit linkages to parks and natural areas.	Long	DDOT	●●●●●
3.5 Create small parks and green spaces in areas with inadequate open space.	Short	DGS	●●●●●
<b>TRANSPORTATION</b>			
<b>Goal 1: Improve connectivity and accessibility through efficient, integrated, and affordable transit systems.</b>			
1.1 Complete 37 miles of streetcar networks.	Long	DDOT	●●●●●
1.2 Improve transit connections to employment and activity centers from underserved areas.	Medium	DDOT	●●●●●
1.3 Define and secure permanent funding for transit planning and improvements.	Long	DDOT	●●●●●

ACTION	TIME FRAME	LEAD AGENCY	PROGRESS
1.4 Design transit systems for resilience to extreme weather events.	Medium	DDOT	● ● ● ●
<b>Goal 2: Expand provision of safe, secure infrastructure for cyclists and pedestrians.</b>			
2.1 Develop a citywide, 100 mile bicycle lane network.	Medium	DDOT	● ● ● ●
2.2 Expand the Capital Bikeshare program by 200 stations.	Medium	DDOT	● ● ● ●
2.3 Partner with community organizations to deliver bike and pedestrian safety education.	Short	DDOT	● ● ● ●
2.4 Collect data to improve understanding of cyclist and pedestrian travel patterns.	Short	DDOT	● ● ● ●
2.5 Program crosswalks and traffic lights for improved safety and convenience of pedestrians and cyclists.	Medium	DDOT	● ● ● ●
<b>Goal 3: Reduce traffic congestion to improve mobility.</b>			
3.1 Implement an expanded Performance-Based Parking program.	Short	DDOT	● ● ● ●
3.2 Expand car-sharing programs to low-income residents using financial tools.	Short	DISB	● ● ● ●
3.3 Encourage private businesses to offer incentives for employee travel by transit, walking, or biking.	Medium	DDOE, OP	● ● ● ●
3.4 Encourage and promote telecommuting and alternative work schedules for employees.	Short	DDOT, DCHR	● ● ● ●
3.5 Study the feasibility of a regional congestion fee for travel during peak hours.	Short	DDOT	● ● ● ●
<b>Goal 4: Improve air quality along major transportation routes.</b>			
4.1 Strictly limit idling engines.	Short	DDOE	● ● ● ●
4.2 Require District government, and encourage private businesses, to purchase clean fuel, low-emission fleet vehicles.	Long	DDOE	● ● ● ●
4.3 Expand electric vehicle charging infrastructure throughout the city.	Medium	DDOE	● ● ● ●
4.4 Offer incentives to avoid driving and other emission-generating activities on predicted Code Red and Orange air quality days.	Medium	DDOE	● ● ● ●
4.5 Track and report mileage data from clean fuel, low-emission, and electric vehicles.	Long	DDOE	● ● ● ●
<b>WASTE</b>			
<b>Goal 1: Reduce the volume of waste generated and disposed.</b>			
1.1 Develop a robust Waste Action Plan with the objective of decreasing all citywide waste streams.	Medium	DPW	● ● ● ●
1.2 Introduce a Pay-As-You-Throw pricing structure for waste collection services.	Long	DPW	● ● ● ●
1.3 Ban Styrofoam and non-recyclable plastic containers from food and retail outlets.	Medium	DDOE	● ● ● ●
1.4 Introduce a bottle deposit law.	Long	DDOE	● ● ● ●
1.5 Implement Sustainable Sites Initiative (SITES) guidelines for park maintenance.	Medium	DPR	● ● ● ●
1.6 Allow nearby businesses to share containers for landfill waste, recycling, and composting.	Short	DCRA	● ● ● ●
<b>Goal 2: Reuse materials to capture their economic value.</b>			
2.1 Establish a District product stewardship program.	Long	DDOE	● ● ● ●
2.2 Introduce construction waste management requirements.	Medium	DCRA	● ● ● ●
2.3 Require the use of recycled and salvaged building materials.	Long	DCRA	● ● ● ●
2.4 Complete a waste life cycle study.	Short	DPW	● ● ● ●
2.5 Reuse 50% of biosolids treated in the District.	Short	DC Water	● ● ● ●
<b>Goal 3: Increase the citywide recycling rate.</b>			
3.1 Provide all households with a three-track waste collection process.	Long	DPW	● ● ● ●
3.2 Establish a new organics transfer station in the District.	Short	DPW	● ● ● ●
3.3 Increase the size of recycling bins.	Medium	DPW	● ● ● ●
3.4 Increase recycling receptacles in the public realm.	Long	DPW	● ● ● ●
3.5 Provide incentives for residential composting and recycling.	Medium	DDOE	● ● ● ●
<b>WATER</b>			
<b>Goal 1: Improve the quality of waterways to standards suitable for fishing and swimming.</b>			
1.1 Field test innovative technologies to improve river water quality.	Medium	DDOE	● ● ● ●
1.2 Restrict the use of cosmetic pesticides and chemical fertilizers.	Medium	DDOE	● ● ● ●
1.3 Restrict the use of harmful salts on roads in winter.	Medium	DDOE	● ● ● ●
1.4 Study the feasibility of implementing nutrient and water quality trading programs.	Short	DDOE	● ● ● ●
<b>Goal 2: Relieve pressure on stormwater infrastructure and reduce long-term flood risk.</b>			
2.1 Install 2 million new square feet of green roofs.	Medium	DDOE	● ● ● ●
2.2 Increase the use of green infrastructure along public rights of way.	Short	DDOT	● ● ● ●
2.3 Double the number of homes participating in the RiverSmart Homes program.	Medium	DDOE	● ● ● ●
2.4 Build 25 miles of green alleys.	Long	DDOT	● ● ● ●
2.5 Establish pervious surface minimums for targeted zoning districts.	Short	OP	● ● ● ●
<b>Goal 3: Reduce demands for potable water and increase rainwater reuse.</b>			
3.1 Update water-efficiency standards in District building codes.	Short	DCRA	● ● ● ●
3.2 Revise building codes to allow the use of alternative water systems.	Short	DCRA	● ● ● ●
3.3 Expand use of neighborhood-scale water collection networks.	Long	DDOE	● ● ● ●
3.4 Develop incentives for water-efficiency measures in landscaping and building design.	Long	DDOE	● ● ● ●
3.5 Expand the use of water monitoring technologies.	Long	DDOE	● ● ● ●

