

SUSTAINABLE DC

Second Year Progress Report

APRIL 2015



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SUSTAIN
ABLE
=
DC



★ ★ ★
WE ARE
WASHINGTON
DC



LETTER FROM MAYOR BOWSER

Sustainability is one of those words that evokes different things to different people. So, I'll tell you what sustainability means to me. Sustainability means a stronger economy with more opportunities for good-paying jobs. Sustainability means healthier neighborhoods with safe places to be active outside and better access to healthy food. Sustainability also means having more efficient homes that help keep our utility bills lower. Those are things every District resident can get behind.

The good news is the District is on its way to becoming a much healthier, greener, and more livable city. We have more certified green buildings and projects than any other city in the country; we buy more green power than any other city; and we are consistently ranked near the top for our walkability and public transportation system. But, not all residents are benefitting from our efforts equally. That is why I am making equity a critical focus of my sustainability agenda and making sure we bring what works to all eight wards.

My administration will do its part to make our city more sustainable. We will take bold action to save taxpayer money by making public buildings more efficient. We will invest in

additional public transportation infrastructure that provides new opportunities and options for residents and visitors. We will work to develop new healthcare facilities in currently underserved areas. And we will talk with residents in every ward to make sure everyone is able to enjoy the benefits of a greener, healthier city.

Building a Sustainable DC will take the efforts of government, collaboration with private sector partners, and a commitment by all residents to do their part. We will leverage sustainability to ensure pathways to the middle class. I encourage you to join the movement by getting involved at www.sustainabledc.org. You can sign up to volunteer in your neighborhood, get tips on saving energy, and learn ways to make your home—and your wallet—greener. Join me as we create a more Sustainable DC—together.

Mayor Muriel Bowser



WE ARE SUSTAINABLE DC

Each year, Sustainable DC continues to grow as a movement. Residents are coming together, developing plans to make their neighborhoods healthier and greener; major institutions are launching bold new programs to reduce the amount of energy and water they consume; and small businesses are trying new methods to send less waste to landfills. While much work remains to be done, there is even more to be proud of during the second year of the Sustainable DC Plan implementation:

- 45 residents were trained to be community ambassadors, learning how to talk about sustainability to their friends and neighbors.
- Staff and volunteers had conversations with more than 8,000 residents at 132 events citywide.
- 8 colleges and universities, 80 international institutions, and 21 healthcare providers have signed sustainability pledges, and 21 businesses have joined the Smarter DC Challenge to green their operations. Over the past six years, 60 businesses, individuals, and organizations have received Mayor's Sustainability Awards. 2014 winners include:
 - Akridge
 - City Blossoms
 - Founding Farmers DC
 - Fulya Kocak (Clark Construction Group)
 - Jimmy Edgerton (2 Armadillos)
 - ProFish
 - Solar Solutions, LLC

PROGRESS HIGHLIGHTS

- 85% of the 143 actions in the Sustainable DC Plan are underway and another 8% are complete. This is an increase from 83% underway and 6% complete on Earth Day 2014.
- 86% of actions in the Plan are in agency Fiscal Year 2015 performance plans, an increase from 73% in Fiscal Year 2014 performance plans.
- Two major packages of legislation with 15 bills were enacted by the Council of the District of Columbia and signed into law.
- 10 Sustainable DC task forces developed 131 recommendations for moving the Plan's toughest actions forward.
- Plans are underway for a District Government sustainability assessment to identify ways to make all operations more sustainable.
- More than \$7.5 million in funding has been provided for District agency innovation projects as part of the Sustainable DC Innovation Challenge, and more than \$4.2 billion was included in the District's FY15 budget for projects related to Sustainable DC.
- Playground, transportation, and age-friendly master plans aligning with and supporting the Plan were released.



JOBS & THE ECONOMY

Increasing economic opportunities to those who need them most is a foundation of sustainability. While still much too high, the unemployment rate has decreased in Wards 4, 5, 7, and 8, and new businesses are opening their doors across the District. Partners throughout the city are working to make our economy stronger and more sustainable.

OUR PROGRESS

- The new **Office of the Deputy Mayor for Greater Economic Opportunity** will create more opportunities to the middle class for residents seeking employment or starting and growing new small businesses.
- The **Department of Consumer and Regulatory Affairs** launched the Small Business Resource Center to streamline permitting and provide technical assistance for new businesses.
- 162 small businesses were certified as certified business enterprises by the **Department of Small and Local Business Development** since April 2014.
- Think Local First and the **Council of the District of Columbia** have named 2015 the “Year of Local” to strengthen small businesses, identify emerging markets, and highlight local entrepreneurs.
- The **Deputy Mayor for Planning and Economic Development** launched OurRFP, which will put community priorities front and center in new economic development proposals.
- \$9.50 per hour is the new minimum wage, which will increase to \$10.50 per hour on July 1, 2015, one of the highest rates in the country.



HEALTH & WELLNESS

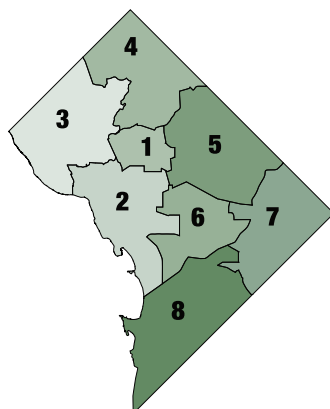
While health disparities between wards remain a challenge, District Government, community organizations, and local businesses are working together to increase access to quality healthcare, make healthy food more available, and create safe places to be active outside.

OUR PROGRESS

- 92% of District residents are covered under health insurance plans thanks in part to **DC Health Link** connecting families and small businesses to quality new health insurance plans.
- The Student Food Ambassador Program was established to provide direct communication between **DC Public Schools** and students about school meals, and 40% of the total DCPS food service budget was spent on locally produced food.
- 21 local healthcare facilities signed the **Sustainable DC Healthcare Sector Sustainability Pledge** to green their operations and better engage the community on sustainability and health issues.
- 820 residents benefited from 73 free cooking classes in Wards 5, 7, and 8 thanks to **DC Central Kitchen** and the **District Department of Health**, and 6,415 low-income residents received fresh produce at farmers markets and healthy corner stores through the Freggie Bucks Program.
- The **Department of Health and Department of Parks and Recreation** are launching **Fit DC**, a nutrition and physical fitness citywide health and wellness campaign for residents.

2014 Unemployment by Ward

WARD 1:	5.4%	(2012: 5.9%)
WARD 2:	4.8%	(2012: 3%)
WARD 3:	4.6%	(2012: 3.3%)
WARD 4:	6.9%	(2012: 9.4%)
WARD 5:	9.3%	(2012: 13.4%)
WARD 6:	6.2%	(2012: 6.5%)
WARD 7:	13%	(2012: 16.9%)
WARD 8:	16.3%	(2012: 19.9%)



**PLAYGROUNDS
BUILT OR RENOVATED**



EQUITY & DIVERSITY

Sustainable DC is only successful if all residents benefit regardless of their income, age, address, or spoken language. Community engagement continues to grow, helping to share opportunities, but broader engagement is required. While the District's economy is strong, developing good-paying jobs and more affordable housing options is key to our long-term sustainability.

OUR PROGRESS

- Mayor Bowser has committed to spending \$100 million per year to develop new affordable housing through the Housing Production Trust Fund, and the District Council passed legislation to require more affordable housing in new development projects.
- An equity and engagement specialist is joining Sustainable DC to better incorporate equity into programs and broaden community engagement.
- The Department of Health is opening an Office of Health Equity to implement the District's Health in All Policies plan that will incorporate equitable health as a priority in new policies and programs.
- 8 Sustainable DC Model Schools—one in each ward—are piloting an environmental literacy program and the Office of the State Superintendent of Education hired a specialist to bring environmental education to all District Public School students.
- The District Department of the Environment and the DC Sustainable Energy Utility launched the Solar Advantage Plus Program to install solar energy for low-income households.
- The George Washington University is launching an Eco Equity Challenge that provides up to \$15,000 to students to address equity and environmental challenges in partnership with community organizations.



CLIMATE & ENVIRONMENT

The District Department of the Environment has launched the development of a citywide climate adaptation plan to prepare for hotter summers, rising sea levels, and more extreme weather. Deployment of green buildings, rooftop solar, green spaces, and transportation options are not only creating a more Sustainable DC, but also a more resilient DC.

OUR PROGRESS

- DC Water and the Department of General Services announced plans to install large new solar arrays that will cut carbon emissions while making our power supply more resilient.
- The District partnered with several Federal Government agencies to complete upgrades to the levy system that protects Downtown and the National Mall from flooding, while the Washington Metropolitan Area Transit Authority is implementing \$20 million in projects to reduce flood risks to MetroRail.
- District residents emitted four tons less in carbon emissions per capita in 2013 compared to 2003, and drove 105 fewer miles on average in 2013 compared to 2012.
- The District city wide emitted 1.6 million tons less carbon in 2013 than 2006, equivalent to taking 340,000 cars off the road.
- The new Sustainable Purchasing Program has developed environmentally preferred specifications for 14 priority purchasing categories thanks to the Office of Contracting and Procurement.



TALKED ABOUT
SUSTAINABILITY
WITH
8,650
PEOPLE AT **166**
COMMUNITY
EVENTS

GHG EMISSIONS DOWN



Between 2006-2013



BUILT ENVIRONMENT

The District continues to be an international leader in green building by pushing the envelope on energy efficiency and smart building technology. In fact, the District has the most LEED-certified projects and ENERGY STAR-certified buildings of any city in the country. In order to achieve the goals set out in the Sustainable DC Plan, the District needs to more rapidly drive beyond basic green building to approaches that achieve true sustainability.

OUR PROGRESS

- The District leads the country among cities in the number of green buildings with **577** LEED-certified projects and **327** ENERGY STAR-certified buildings.
- **3** EcoDistricts are being supported by the **Deputy Mayor for Planning and Economic Development**, **DowntownDC BID**, and the **National Capital Planning Commission** to accelerate neighborhood-scale sustainability projects.
- **Dunbar High School** was certified as the highest scoring LEED for Schools-New Construction Platinum project in the world.
- A study on transforming the idle power plant at Langston Dwellings into a net positive renewable energy project was finished by the **DC Housing Authority**, which is now working on implementing the study.
- **320,000** square feet of green roofs and three cool roof projects have been installed by the **Department of General Services**, and **40** District Government buildings have been retro-commissioned to optimize energy usage.

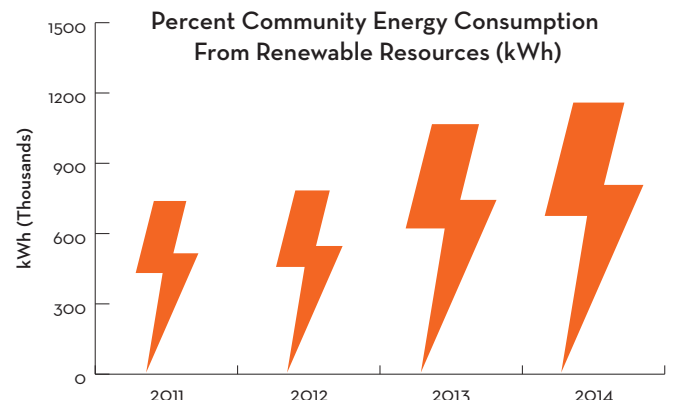
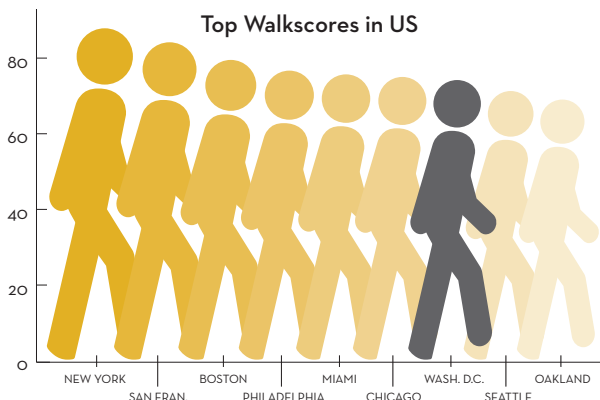


ENERGY

With the District Department of the Environment's new solar installation program focused on low-income residents and partners like the DC Sustainable Energy Utility running programs to weatherize the homes of income-eligible families, District energy programs are focusing resources on those who need them most. Our city's buildings are getting smarter with new programs that allow residents, businesses, and District Government to use their consumption data to use less energy and save money.

OUR PROGRESS

- The **George Washington University**, **American University** and the **George Washington University Hospital** entered into a partnership to buy **123 million** kilowatt hours per year of solar energy, which is the equivalent to taking 12,500 cars off the road.
- On behalf of residents in Brookland, **DC Solar United Neighborhoods** helped procure a cooperative solar purchase, adding it to other projects in all eight wards.
- **500** residential solar permits were issued by the **Department of Consumer and Regulatory Affairs**.
- The **Department of General Services** held the second annual Sprint to Savings Energy Competition, which engaged **DC Public Schools** students in energy efficiency efforts and saved more than **76,000** kilowatt hours for the **28** participating schools.
- **736** of the District's largest private buildings released 2013 energy and water performance data, thanks to the building energy benchmarking and disclosure mandate.
- **\$100 million** in future savings will be realized due to investments made by the **DC Sustainable Energy Utility**.





FOOD

Increasing access to healthy food in underserved neighborhoods is an area of growing interest by public and private sector players. The District is building new community gardens and strengthening programs to bring healthy food to underserved areas. New businesses like Up Top Acres are bringing urban agriculture to new heights (in this case, roof tops!) and existing institutions like Union Kitchen are expanding to provide more space to new food industry entrepreneurs.

OUR PROGRESS

- Over 30 people participated in the University of the District of Columbia's Sustainable Urban Agriculture Certificate Pilot Program on food, agribusiness and sustainable design.
- The Urban Farming and Food Security Act of 2014 was passed to create a land-leasing initiative for District-owned vacant lots and establish incentives to encourage the use of privately-owned land for urban farming and community gardens. The Food Policy Council was also established to coordinate citywide efforts to address food access and grow the local food economy.
- 16 community gardens, including 89 plots, were built or renovated by the Department of Parks and Recreation, which also held 70 free garden classes for residents.
- The new Sustainable Purchasing Program includes a standard for 20% of District Government purchased food to be produced locally.
- DC Central Kitchen recovered 855,447 pounds of food that would have otherwise gone to waste.



NATURE

The District is now home to three bald eagle nests for the first time since 1947 and eaglets occupy at least one of the nests. For the second year in a row, the District has surpassed its tree-planting goal and is testing fruit and nut trees to help feed wildlife. The Sustainable DC Act of 2014 further protected the District's tree canopy by requiring payment to immediately offset the removal of a tree.

OUR PROGRESS

- The District Department of Transportation started construction on four more miles of the Anacostia Riverwalk Trail, which will provide a link for almost 70 miles of trails providing greater access to nature in the District.
- 11,590 trees were planted in 2014 by the District Department of Transportation, the District Department of the Environment, and Casey Trees.
- New native planting guidelines have been developed and are being incorporated into the Office of Contracting and Procurement's Sustainable Purchasing Program.
- 16 new playgrounds were built or renovated as part of the Department of Park and Recreation's Play DC plan, and 300 underused small open spaces around the District are being activated by a new Small Parks Specialist.
- 669 fifth grade students from Wards 7 and 8 took part in a pilot of the Overnight Meaningful Watershed Educational Experience to experience and explore nature up close.

 89
NEW COMMUNITY
GARDEN PLOTS BUILT
IN 4 WARDS




11,590
TREES
PLANTED



TRANSPORTATION

With new pedestrian, bike, and transit infrastructure being built, the District's already high walking and biking rates are increasing, and our transit ridership remains second only to New York City. The District Department of Transportation released its ambitious MoveDC plan and announced its commitment to Vision Zero, a plan to eliminate traffic fatalities. Ongoing partnerships with the Washington Area Bicycle Association and Black Women Bike are further helping to keep us all safe.

OUR PROGRESS

- The first phase of the [Washington Metropolitan Area Transit Authority's](#) new Silver Line, connecting downtown DC to Tysons Corner and eventually Dulles International Airport, opened to much fanfare on July 26.
- [3](#) new devices to count passing bicyclists were installed to provide new data, and a performance parking pilot in Chinatown will use data to match parking costs with demand.
- The [District Department of Transportation](#) has installed a record [9](#) miles of new bike lanes, including the beautiful Rhode Island Avenue Pedestrian and Bicycle Bridge, and protected cycle tracks on 1st Street NE and M Street NW.
- [10](#) new [Capital Bikeshare](#) stations were installed and a record of [17,286](#) users in one day was set during the Cherry Blossom Festival.
- The [Sustainable DC Act 2014](#) will require businesses to provide pre-tax transit benefits to employees.



WASTE

The District continues to change the conversation from “throwing away” waste to “managing our resources” by increasing our diversion rate and exploring options for composting. The Department of Public Works completed a study on the District's existing waste landscape to inform future plans to increase citywide recycling rates. To further advance progress on waste and recycling, the District Department of the Environment hired a waste analyst and is hosting a Waste Summit on Earth Day 2015.

OUR PROGRESS

- Plastic foam food and drink containers for carryout use have been banned in the District starting in 2016, and recyclable and compostable containers must be used starting in 2017.
- The District's progressive new green construction code now mandates [50%](#) of construction waste be recycled or salvaged.
- [55 DC Public Schools](#) have organics recycling programs in kitchens and cafeterias thanks to the [Department of General Services](#), and [10](#) schools have established on-site demonstration compost bins.
- [25](#) rodent-proof compost bins were installed in community gardens.
- The [Council of the District of Columbia](#) provided [\\$250,000](#) to the [Business Improvement District Council](#) to install more public space recycling bins in each BID in partnership with the [Department of Public Works](#).



15% INCREASE IN BIKING



14% INCREASE IN WALKING



45 SCHOOL COMPOSTING PILOT PROJECTS

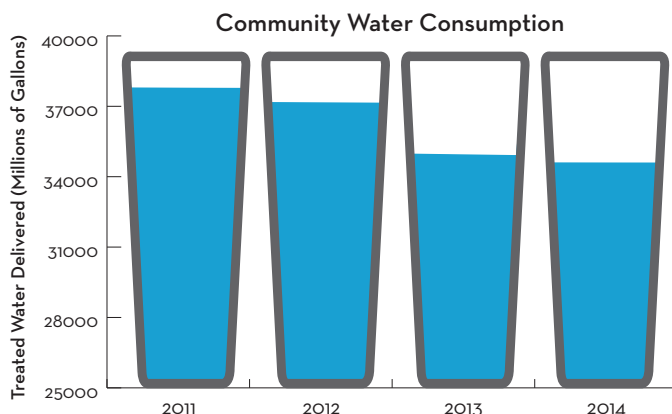


WATER

Water is no longer something we push away as quickly as possible in the District. The goal now is to capture stormwater to reuse it or retain and treat it on-site. With large increases in square footage of green roofs, porous pavement, and stormwater management practices, the District is leading the country in stormwater management.

OUR PROGRESS

- In 2014, **90,800** square feet of green roofs were installed in the District as part of the [District Department of the Environment's](#) green roof rebate program, and **1,000** homeowners received financial assistance to install practices to reduce stormwater runoff as part of the RiverSmart Homes program.
- The [District Department of Transportation](#) installed **29,500** square feet of flexible, porous paving material and constructed **0.6** miles of green alley.
- 351,000** square feet of impervious surface were retrofitted by the [District Department of the Environment](#) through the RiverSmart Homes and RiverSmart Schools programs, which will increase water retention across the District.
- 11,000** credits have been traded on the Stormwater Retention Credit Trading Program, which provides financial incentives to property owners to implement stormwater management improvements.
- [DC Water](#) and [DC Green Works](#) started the Growing Futures program, which is a 6-week program to address the high unemployment rates in Wards 6, 7 and 8 by training unemployed and underemployed young adults in green roof maintenance techniques through a blend of in-class and in-the-field training.



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. A list of acronyms can be found at www.sustainabledc.org/acronyms.

PROGRESS KEY

● ● ● ● Not started

● ● ● ● Initiated

● ● ● ● Moderate progress

● ● ● ● Significant progress

● ● ● ● Complete

ACTION	TIME FRAME	LEAD AGENCY	PROGRESS
GOVERNANCE			
Goal 1: Expand District Government leadership to implement the Sustainable DC Plan.			
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	● ● ● ●
JOBS & THE ECONOMY			
Goal 1: Grow and diversify DC's business sectors for sustained economic prosperity.			
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	● ● ● ●
Goal 2: Expand the number and range of jobs available to District residents and ensure access to new jobs through appropriate skills training.			
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	● ● ● ●
HEALTH & WELLNESS			
Goal 1: Inspire healthy, active lifestyles for all residents, regardless of income, ability, or employment.			
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	● ● ● ●
Goal 2: Create safe environments that are conducive to healthy living.			
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	● ● ● ●
EQUITY & DIVERSITY			
Goal 1: Ensure that all school-age children in the District are educated in sustainability and prepared for a changing green economy.			
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	● ● ● ●
Goal 2: Ensure transparency in the District's sustainability agenda including future plans and past progress.			
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	● ● ● ●
CLIMATE & ENVIRONMENT			
Goal 1: Minimize the generation of greenhouse gas emissions from all sources.			
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	● ● ● ●
Goal 2: Advance physical adaptation and human preparedness to increase the District's resilience to future climate change.			
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	● ● ● ●
BUILT ENVIRONMENT			
Goal 1: Increase urban density to accommodate future population growth within the District's existing urban area.			
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	● ● ● ●
Goal 2: Develop active and vibrant neighborhoods to create new economic opportunity and support a high quality of life.			
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	● ● ● ●
Goal 3: Improve the sustainability performance of existing buildings.			
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	● ● ● ●
3.5 Retrofit and modernize all public buildings to at least the LEED Gold standard or equivalent green building certification.	Long	DGS	● ● ● ●

ACTION	TIME FRAME	LEAD AGENCY	PROGRESS
Goal 4: Ensure the highest standards of green building design for new construction.			
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	●●●●●
ENERGY			
Goal 1: Improve the efficiency of energy use to reduce overall consumption.			
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	●●●●●
Goal 2: Increase the proportion of energy sourced from clean and renewable supplies.			
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	●●●●●
Goal 3: Modernize energy infrastructure for improved efficiency and reliability.			
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	●●●●●
FOOD			
Goal 1: Increase agricultural land uses within the District.			
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	●●●●●
Goal 2: Ensure universal access to secure, nutritious, and affordable food supplies.			
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	●●●●●
Goal 3: Develop the food industry into a strong and viable economic sector.			
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	●●●●●
NATURE			
Goal 1: Protect and restore wetlands, waterways, and aquatic ecosystems.			
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	●●●●●
Goal 2: Protect and expand tree cover and green landscapes, creating an integrated District-wide ecosystem.			
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	●●●●●
Goal 3: Enhance access to parks and open spaces for all residents.			
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	●●●●●
TRANSPORTATION			
Goal 1: Improve connectivity and accessibility through efficient, integrated, and affordable transit systems.			
1.1 Complete 37 miles of streetcar networks.	Long	DDOT	●●●●●

ACTION	TIME FRAME	LEAD AGENCY	PROGRESS
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	● ● ● ● ●
1.4 Design transit systems for resilience to extreme weather events.	Medium	DDOT	● ● ● ● ●
Goal 2: Expand provision of safe, secure infrastructure for cyclists and pedestrians.			
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	● ● ● ● ●
Goal 3: Reduce traffic congestion to improve mobility.			
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	● ● ● ● ●
Goal 4: Improve air quality along major transportation routes.			
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	● ● ● ● ●
WASTE			
Goal 1: Reduce the volume of waste generated and disposed.			
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	● ● ● ● ●
Goal 2: Reuse materials to capture their economic value.			
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	● ● ● ● ●
Goal 3: Increase the citywide recycling rate.			
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	● ● ● ● ●
WATER			
Goal 1: Improve the quality of waterways to standards suitable for fishing and swimming.			
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	● ● ● ● ●
Goal 2: Relieve pressure on stormwater infrastructure and reduce long-term flood risk.			
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	● ● ● ● ●
Goal 3: Reduce demands for potable water and increase rainwater reuse.			
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	● ● ● ● ●