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SUSTAIN  
ABLE  
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—  
DC



FOURTH  
YEAR  
PROGRESS  
REPORT

APRIL 2017

# Letter from Mayor Muriel Bowser



If there is one constant in the District of Columbia, it is change. This past year has certainly seen more change than most. In this uncertain political landscape, it has become

remarkably clear that it will be cities that lead the way in creating a more sustainable and resilient world.

I am so proud of my role—and the role of our whole city—in leading the way on that front. In November, I joined Mayor Hidalgo of Paris and dozens of mayors in Mexico City for an international conversation on how cities can advance climate action. This fall, I also released Climate Ready DC, the District’s climate adaptation plan. In February I launched the District’s work with the global 100 Resilient Cities program to build a stronger, more resilient DC.

I am committed to climate change, but I am also working hard to make the District a more equitable and livable place for all residents. That is why this past year I fought to include a walkability preference for District public charter schools, allowing more children to walk to school. I have called on the District Council to permanently expand the Mayor Marion S. Barry Summer Youth Employment Program, creating more green jobs for our youth. In recognition of the high cost of living in the District, I have funded the Housing Production Trust Fund at over \$100 million to produce and protect affordable housing.

I am committed to creating a more Sustainable DC, but I need your help. Please join the effort at [www.sustainabledc.org](http://www.sustainabledc.org).

Sincerely,  
Mayor Muriel Bowser

# SUSTAINABLE DC COMMUNITY

Four years ago Sustainable DC was developed out of a sea of incredible community ideas. Thousands of people provided input on the plan and eight teams consisting of over 700 community members drafted its goals, targets, and actions. Four years later, the District sustainability community is stronger than ever. Our work is paying off.



## AMBASSADORS

Last year 20 Sustainable DC ambassadors attended events across the District including the H Street Festival, Celebrate Petworth, and farmers market, and had more than 37,348 conversations about sustainability.

## VOLUNTEERS

176 people committed to being Sustainable DC volunteers. Together, we’ve planted trees, cleaned up parks, and helped connect those most in need with surplus food.

### CLIMATE PHOTO CONTEST

Partnering with the Earth Conservation Corps, volunteers organized a reception to celebrate the winners of the Climate Photo Contest. The winning photographs now travel around the District to spark conversation about climate change at public venues.

To join the sustainability community and impact your neighborhood or the District as a whole, visit [www.sustainabledc.org](http://www.sustainabledc.org).

# THE DISTRICT SUSTAINABILITY AWARDS

In celebration of leadership in sustainability, Sustainable DC honored seven champions this year at its 8<sup>th</sup> Annual District Sustainability Awards.



**Atlas Brew Works** is the first and only solar powered craft brewery in the District, further reducing its carbon footprint by canning beer in 100% recyclable packaging and donating spent grain to a local farm for animal feed and compost. Cheers!

**Compost Cab** supports District urban agriculture by providing home and commercial composting services and partnering with urban farms and community gardens. In 2016, Compost Cab collected more than a quarter of a million pounds of food scraps!

**Eco Caters/SuperFd** prioritizes recycling, reusing, upcycling, and composting measures in their daily operations. Complementary relationships with local farmers and waste management companies help them grow sustainably—in both senses of the word.

**Grid Alternatives** has installed 151 kW of solar on 47 low-income homes since January 2016. Providing low-income families solar at no cost, local families saved over \$8 million in 2016 alone.

**Historic Congressional Cemetery**, the only certified green burial hybrid cemetery in the region, contains 35 acres of green space filled with over 2,000 trees, herds of goats that consume invasive weeds, and 20 honey bee hives that provide pollination throughout Capitol Hill.



The inaugural **People’s Choice Award** went to **American University** for purchasing 100% renewable electricity, building all new construction to LEED Gold standards, and aggressively pursuing their zero waste goal.

The **Powerdown DC Award** was awarded to the **DC Housing Authority** and **Avalon Bay** for buildings with the greatest reduction of energy and water use in a 2016 sustainability competition.



Atlas Brew Works



Grid Alternatives



Compost Cab



Historic Congressional Cemetery



SuperFd

# SUSTAINABLE DC PARTNERS



Sustainable DC has further developed strong partnerships with strategic institutions across the District—major landholders, large building owners, and high energy users. Partners pledge to be more sustainable through specific goals and actions. In return, Sustainable DC convenes meetings, provides trainings and technical assistance, and connects pledge participants to resources. We're honored to be part of these effective public-private partnerships!

## UNIVERSITIES

DC's eight universities have a lot to brag about this past year: from **Howard University's** on campus solar power purchase agreement to **Georgetown University** completing its sixth LEED building and **Gallaudet University's** partnership with Casey Trees to plant 30 new trees on campus, these universities are making huge strides in campus sustainability.

## INTERNATIONAL INSTITUTIONS

This year, over 100 embassies renewed their commitment to sustainability by signing the **Diplomatic Missions** and **International Institutions Pledge** in support of Sustainable DC. To help these institutions implement sustainability in their design, construction, operations, and communication, we partnered with the **State Department** on a series of energy benchmarking and LEED certification workshops.

## HEALTHCARE

Twenty one healthcare institutions, ranging in size from large hospitals to community health clinics, engage with Sustainable DC through the healthcare partnership. This past year, healthcare members met with **Philadelphia healthcare institutions** to discuss how to increase local healthy food procurement.

## BUSINESSES

In 2016 DOEE's sustainable business program, the **Smarter DC Challenge**, successfully boasted 100 participating companies. In 2017 the program will be rebranded and managed in-house by DOEE to make it easier for small businesses to participate.



To learn more about the impressive work of these institutions, visit [www.sustainabledc.org/in-dc/sector-pledges](http://www.sustainabledc.org/in-dc/sector-pledges)



Kinetic Pavers

# INNOVATION CHALLENGE

The Sustainable DC Innovation Challenge funds bold sustainability pilot projects and strategic studies by District Government agencies. Highlights from 2016 include:



## KINETIC PAVERS

DDOT and the **Golden Triangle BID** built an energy-harvesting sidewalk in Dupont Circle. Made from recycled truck tires, special pavers convert kinetic energy from people's footsteps into electricity that powers decorative lighting.

## OUTDOOR CLASSROOM

The Office of the **State Superintendent of Education** and the **Department of General Services** is building an outdoor classroom at Hardy Middle School. Students will use the beautiful, sustainably-built space to learn about renewable energy, native plants, nutrition, and sustainable agriculture.

## AQUAPONICS

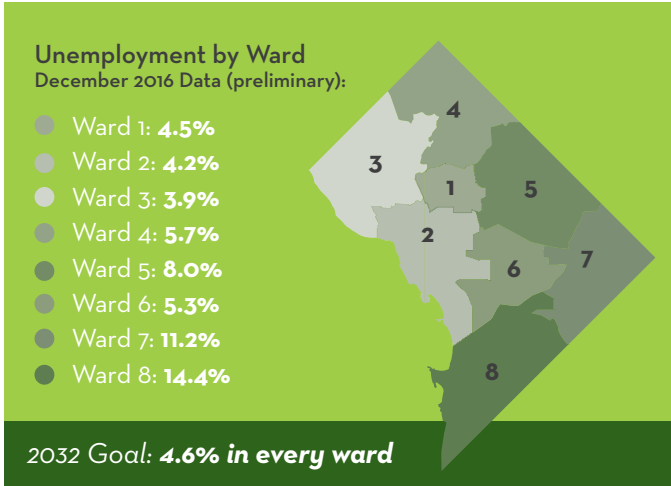
The **University of the District of Columbia** (UDC) is building four sustainable food production systems called aquaponics, in which fish provide plants with nutrients to grow and plants act as a filter to purify the water for fish. The project will help provide job training and improve food security in underserved neighborhoods.

## HEALTHY FOOD TRUCK

**UDC** built and operates a food truck to serve as a mobile food training lab to distribute fresh produce and healthy cooking demonstrations in Wards 5, 7, and 8.

\$ | JOBS & ECONOMY

The District is investing in residents to boost employment rates, support new and existing businesses, and promote sustainable economic growth across all eight wards.



The Department of Energy & Environment partnered with GRID Mid-Atlantic to train **15 young adults** on solar panel installations, with 3 participants earning full-time jobs by the end of the summer.

**184 businesses** joined Made in DC, the Department of Small and Local Business Development’s program to support businesses that create products right here in the District.

**\$4.5M budget** Thanks to Mayor Bowser, the FY17 budget includes \$4.5 million for workforce training and the Career Connections program.

The DC Business Center Portal, launched by the Department of Consumer and Regulatory Affairs, is a new one-stop shop website in which businesses can conveniently apply for a basic business license and become a Certified Business Enterprise (CBE).

DC businesses can now pitch innovative ideas tied to citywide development for the chance to get up to \$10,000 through The Launch Pad – a new Department of General Services initiative.

♥ | HEALTH & WELLNESS

Through an integrated approach, District Government is increasing access to healthy food, places to be active, and quality healthcare services so all residents can improve their health.

Mayor Muriel Bowser announced her vision for ending the HIV epidemic in the District by 2020 with the release of the 90/90/90/50 plan.

New physicians and medical services will now be provided to patients east of the river through a partnership between Howard University College of Medicine and the District Government-operated United Medical Center.

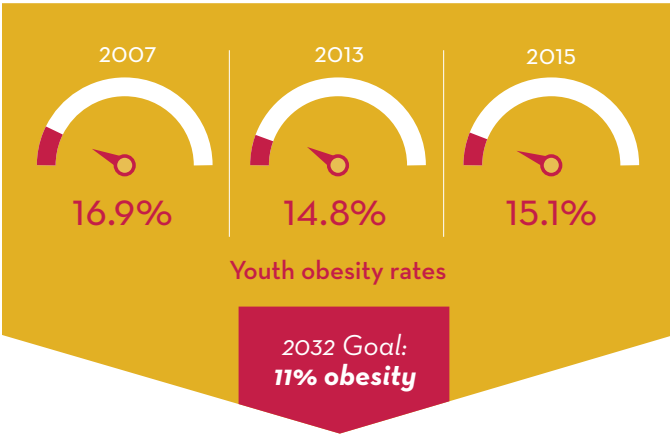
The District recognized 32 businesses that provide exceptional services to older adults and are designated as “age friendly” by the Washington DC Economic Partnership.

**32 businesses**

The District earned its title as the Most Fit City for the **third consecutive year!**

The Department of Parks and Recreation (DPR) broke its own record for the largest outdoor pool attendance with more than **261,000 guests** last summer.

The District of Columbia State Athletic Association in partnership with DPR hosted the first DC National Girls and Women in Sports Day Expo.



🤝 | EQUITY & DIVERSITY

To ensure all residents have a seat at the table in decision-making and a fair shot at high quality affordable housing, public education, and healthcare, the District is strengthening equity programming for vulnerable populations.



To improve cross-cultural communication and create a more inclusive work environment, the Department of Energy & Environment and the District of Columbia Public Schools hosted 3 trainings on bias reduction for **70 staff members**.

The Department of Parks and Recreation is expanding access to summer fun this year by reducing rates for District recreational facilities and programs to low-income District families.

A partnership between the Office of Asian and Pacific Island Affairs and Arcadia Farms brought local and culturally appropriate produce to low-income residents in DC’s Chinatown neighborhood via a **mobile farmers market**.

The District Department of Transportation now offers **low-cost bike share memberships** to community service providers throughout the city thanks to the expansion of the Capital Bikeshare Community Partners program.

☁️ | CLIMATE & ENVIRONMENT

In the face of higher temperatures, rising tides, and more frequent severe storms, the District is taking decisive action to combat climate change while increasing the city’s resilience.

Mayor Muriel Bowser adopted **Climate Ready DC**, the District’s plan to prepare for and adapt to climate change. The plan outlines 77 actions the District will take to build a stronger, healthier, more resilient DC.

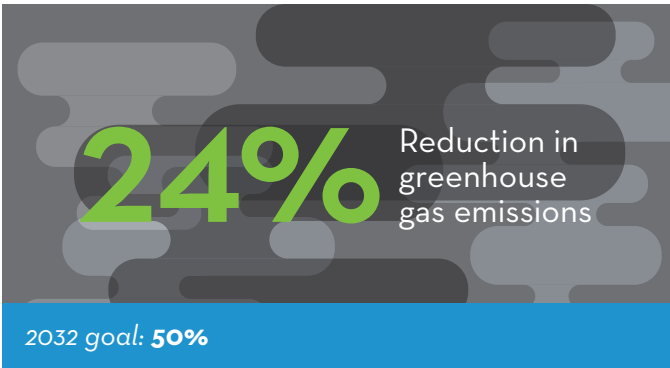
**77 actions**

**24%** The District has cut its carbon footprint 24% since 2006, well on pace to meet our goal of cutting greenhouse gas emissions 50% by 2032.

The Department of Energy & Environment released a draft of **Clean Energy DC**, a strategy to cut emissions by expanding renewable energy and reducing energy consumption.

The District was accepted into **100 Resilient Cities**, a competitive global program supporting leading cities around the world to develop and implement resilience strategies.

To continue sparking the conversation about climate change, the winning photos from the 2015 **Climate Photo Contest** are on tour across the District at venues like the NoMa BID’s lobby gallery and the Smithsonian’s Anacostia Community Museum.



 **BUILT ENVIRONMENT**

The District is incorporating sustainable design into new construction and improving the environmental performance of existing buildings while increasing the vibrancy of all its neighborhoods.



The Office of Planning is leading an update to the District's Comprehensive Plan to include bold new sustainability policies and is adding a new resilience chapter.



Twice a month the Department of Consumer and Regulatory Affairs hosts **residential energy code workshops**, working directly with homeowners and small business owners to help them get their permits faster.

The Department of General Services has partnered with the **University of the District of Columbia-CAUSES** to develop an innovative workforce development course for District residents and businesses in the areas of building science, energy management, and sustainability.

To develop vibrant neighborhoods and provide new economic opportunities, the **Deputy Mayor for Planning and Economic Development** is converting the Grimke School, Franklin School and the MLK Gateway into a cultural space, a language museum and a business incubator, respectively.



 **ENERGY**

The District is helping residents and small businesses save money by making their homes and businesses more energy efficient and providing new opportunities for low income families to get access to clean energy.

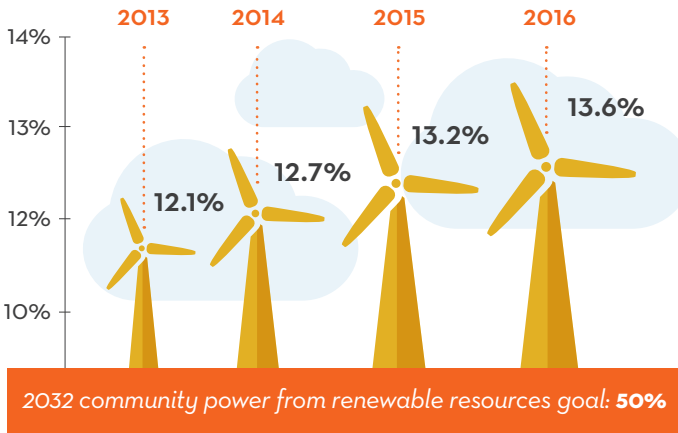
Mayor Muriel Bower signed the **Renewable Portfolio Standard Expansion Act** to decrease the energy bills of low-income residents by 50% and create 100 green jobs within its first year.

100  
green jobs

The Affordable Solar program, led by the Department of Energy & Environment, installed **158 solar photovoltaic systems** on the roofs of low-income households while the Small Business Solar Pilot Program installed 13 projects on the roofs of small businesses in Wards 7 and 8.

The Department of Energy & Environment invested approximately **\$24 million** in energy efficiency and renewable energy services during FY16.

Since the execution of the Department of General Service's wind power purchase agreement in 2015, 136,530 MWh of clean electricity has been generated, **saving \$819,000** and avoiding **95,950 metric tons** of greenhouse gas emissions.



 **FOOD**

By creating more opportunities to produce and purchase food locally, the District is increasing the health of District residents and the local economy.



The Department of Parks and Recreation, Age-Friendly DC, the DC Food Policy Council, the Department of Public Works, and the Department of General Services are active in the **DC Food Recovery Working Group**, which launched this year to support source reduction and reuse, food security, and composting efforts.

With support from the Office of the State Superintendent of Education, 58% of public schools and 45% of public charter schools have **active school gardens programs**, totaling 127 school campuses.

127  
school  
campuses

**800**  
residents  
engaged

DC Food Policy Council engaged with 800 residents on tackling sustainable food procurement, food equity, access to healthy food, and nutrition education.

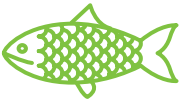
The **Joyful Markets** program—a collaborative with Martha's Table, Capital Area Food Bank, and DC Public Schools—expanded to a total of 29 schools in Wards 7 and 8, distributing more than **500,000 pounds** of healthy food.

 **NATURE**

The District is working to protect our natural areas like forests, meadows, and wetlands while providing all residents convenient access to nature and green places to relax or be active.

Mayor Bowser signed the **Fisheries and Wildlife Omnibus Amendment Act of 2016** to help protect critical wildlife habitat and better manage invasive species.

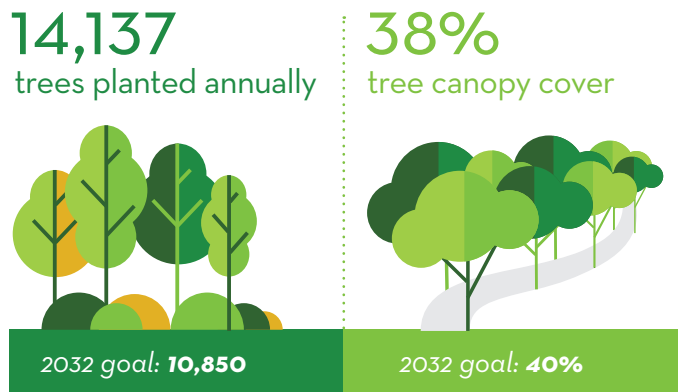
The District designated the **American shad** as the state fish and the **Hay's Spring** (a tiny crustacean that is only found in DC) as the state amphipod.



The **Buzzard Point Framework Plan**, a product of the Office of Planning, includes guidelines for a living shoreline and a nature river walk along the Anacostia River with new green spaces.

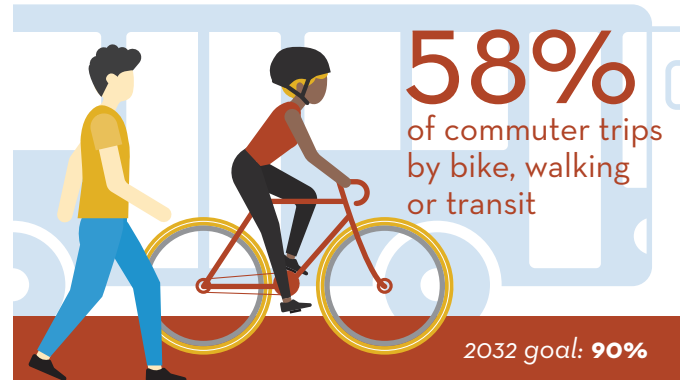
The Department of Energy & Environment, among other agencies, participates in the **Biophilic Cities Network**, to incorporate nature into the built environment and provide more opportunities for people to interact with nature on a daily basis.

The Office of Planning released the **Small Parks Vision and Management Strategy** incorporating sustainable practices such as stormwater management and preservation of wildlife habitats into the design of small parks.



## TRANSPORTATION

The District is strengthening convenient and safe transportation options for pedestrians, bicyclists, and transit riders, while reducing congestion and improving air quality for all residents.



The District Department of Transportation (DDOT) installed 6 miles of bike lanes, for a total of 80 miles of bike lanes across the District.

**80mi**  
bike lanes

The **Vision Zero** Initiative is providing five programs with a total of **\$600,000 in grants** to encourage innovative approaches to transportation safety.



**DDOT** enhanced the new H/Benning Streetcar line by adding Sunday service and reducing headways between streetcars.

Funded by a Sustainable DC Innovation Challenge grant, the **Golden Triangle BID** partnered with **DDOT** to pilot kinetic pavers that converts kinetic energy from people's footsteps into electricity.

**Capital Bikeshare** celebrated its **6<sup>th</sup> anniversary** with more than 420 stations across the city, supporting more than 15 million trips since its launch.

**15M**  
trips supported

**American University** partnered with **Washington Metropolitan Area Transit Authority** to pilot a free, unlimited bus and rail University Pass program for its students.



## WASTE

The District is launching new product stewardship programs, expanding zero waste initiatives, and partnering with the private sector to create opportunities for waste reduction and reuse.

The Department of Energy & Environment launched new programs to collect and recycle paint and electronic waste in the District: **PaintCare** and **eCYCLE DC**. The first paint drop-off event yielded 27,000 pounds of used paint.



Thanks to the Department of Energy & Environment, the Department of Public Works, and **Living Classrooms**, the 2016 Kingman Island Bluegrass & Folk Festival became the first zero waste music festival in the District with over **12,000 people** in attendance.

The Office of Contracting and Procurement's Sustainable Purchasing Program was awarded the 2016 Sustainable Purchasing Leadership Council's Purchaser Leadership Award.

**6,570**  
people fed

Over 6,750 people received a free meal made from produce that would otherwise have been wasted during the **Feeding the 5000** event.

The Department of Energy & Environment joined the **DC Food Policy Council** for the Department of Public Works first **Organic Waste Summit** to discuss the District's path to zero waste.



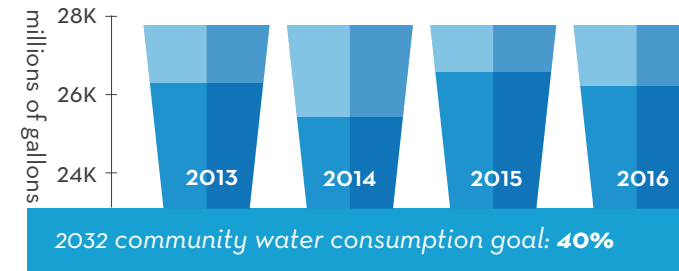
**21%**  
residential  
diversion rate

2032 community goal: **80%**



## WATER

The District is launching innovative policies and programs to protect and restore the District waterways, better manage stormwater runoff, and reduce potable water consumption.



The District of Columbia, Prince George's County, and Montgomery County signed the **Anacostia River Accord**, a commitment to work collaboratively to remove trash from the Anacostia River and its watershed.

**196,406 SF of green roofs** were installed for a total of 2,790,000 SF District-wide, thanks in part to the Department of Energy & Environment's green roof incentive programs.



The Department of Energy & Environment's **RiverSmart Homes** program installed 354 rain barrels, planted 962 trees, constructed 226 rain gardens, and reduced impervious surfaces on **87 properties**.

**85,000**  
water meters

DC Water began a high-tech meter upgrade project to replace more than 85,000 meters with newer technology that will help residents better manage and track water usage.

The Department of Energy & Environment's **Stormwater Retention Credit** trading program, which accelerates green infrastructure installation through innovative regulations that provide flexibility for regulated development, received a **2016 Innovation Award** from the Environmental Council of the States.



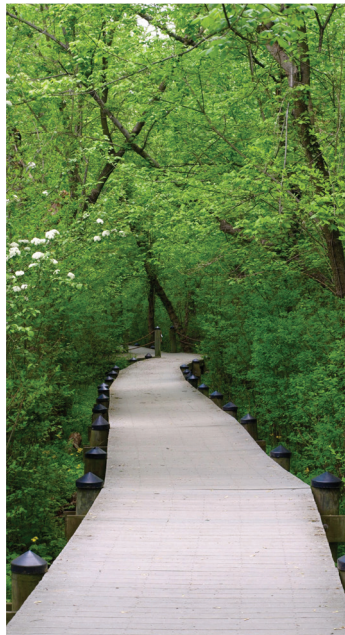


# CLIMATE READY DC

In 2016, Mayor Bowser, recognizing that climate change is no longer a distant threat, released a new sister plan to Sustainable DC, to prepare the District for the new challenges created by a changing climate. Climate Ready DC is the District’s plan for adapting to more dangerous heat waves, severe storms, and flooding.



Climate Ready DC was born out of the Sustainable DC plan and was funded by the Sustainable DC Innovation Fund. The Department of Energy & Environment (DOEE) partnered with leading climate scientists—as well as residents, organizations, and government partners—to assess the vulnerability of our city to climate change impacts and identify solutions to reduce risks.



While the vulnerabilities identified are sobering, the good news is we are on our way to building a Climate Ready DC. The plan identifies 77 actions that the District will take to prepare for climate change, such as expanding green spaces to help keep our neighborhoods cool and helping residents and community organizations prepare for emergencies. Many of these actions are already underway thanks to our investments in expanding our tree canopy, managing stormwater, greening our construction codes, and installing solar energy.



We have much more work to do to ensure that all District residents are protected, particularly our most vulnerable. In the coming months, DOEE will develop a more detailed plan for the implementation of Climate Ready DC and will work to integrate the actions in to ongoing planning efforts.



Check out the full plan at [doee.dc.gov/climateready](https://doee.dc.gov/climateready)

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

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	<div><div></div><div></div><div></div><div></div></div>
1.2 Implement a process to collect, analyze, and report data to ensure progress toward goals and targets by prescribed dates.	Short	EOM	<div><div></div><div></div><div></div><div></div></div>
1.3 Identify existing laws, regulations, and policies that conflict with sustainability goals and areas where new authority is required.	Short	EOM	<div><div></div><div></div><div></div><div></div></div>
1.4 Expand public/private collaboration to meet sustainability goals.	Short	EOM	<div><div></div><div></div><div></div><div></div></div>
1.5 Expand sector-based sustainability pledges and challenges to promote adoption of sustainable practices.	Short	EOM	<div><div></div><div></div><div></div><div></div></div>
1.6 Continue annual "Budget Challenge" competition for innovative sustainability projects within District Government.	Medium	EOM	<div><div></div><div></div><div></div><div></div></div>
\$   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	<div><div></div><div></div><div></div><div></div></div>
1.2 Formally recognize corporations that meet independent social and environmental performance standards.	Medium	DCRA	<div><div></div><div></div><div></div><div></div></div>
1.3 Use anchor institutions to create local markets for sustainable enterprises.	Medium	OCP	<div><div></div><div></div><div></div><div></div></div>
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	<div><div></div><div></div><div></div><div></div></div>
2.2 Partner with the Workforce Investment Council to develop targeted workforce development strategies.	Short	DOES	<div><div></div><div></div><div></div><div></div></div>
♥   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	<div><div></div><div></div><div></div><div></div></div>
1.2 Invest in a public health campaign to promote the benefits of healthy eating and active living.	Short	DOH	<div><div></div><div></div><div></div><div></div></div>
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	<div><div></div><div></div><div></div><div></div></div>
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	<div><div></div><div></div><div></div><div></div></div>
👤   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	<div><div></div><div></div><div></div><div></div></div>
1.2 Increase the quality and number of Early Childhood Development Centers.	Short	DME	<div><div></div><div></div><div></div><div></div></div>
1.3 Launch the implementation of the Environmental Literacy Plan (ELP) in school curriculum.	Short	DOEE	<div><div></div><div></div><div></div><div></div></div>
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	DOEE, OP	<div><div></div><div></div><div></div><div></div></div>
2.2 Feature the actions and impacts of residents and local community leaders in public sustainability campaigns.	Short	DOEE	<div><div></div><div></div><div></div><div></div></div>
☁️   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	DOEE	<div><div></div><div></div><div></div><div></div></div>
1.2 Create financial tools that support climate protection programs by capturing the environmental costs of products and services.	Short	DOEE	<div><div></div><div></div><div></div><div></div></div>
1.3 Report District emissions on a regular basis to track the reductions that can be attributed to specific initiatives.	Short	DOEE	<div><div></div><div></div><div></div><div></div></div>
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	DOEE	<div><div></div><div></div><div></div><div></div></div>
2.2 Prepare District emergency services to respond to severe climate-related events such as extreme heat, storms, and flooding.	Medium	HSEMA	<div><div></div><div></div><div></div><div></div></div>
2.3 Require adaptation solutions as part of planning consent for new developments.	Medium	OP	<div><div></div><div></div><div></div><div></div></div>
2.4 Ensure transportation infrastructure can withstand the upper ranges of projected climate change impacts.	Long	DDOT	<div><div></div><div></div><div></div><div></div></div>
🏠   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	<div><div></div><div></div><div></div><div></div></div>
1.2 Expand brownfield redevelopment incentives and certification programs.	Long	DOEE	<div><div></div><div></div><div></div><div></div></div>
1.3 Reduce required parking minimums and restrict surface parking for large developments.	Short	OP	<div><div></div><div></div><div></div><div></div></div>
1.4 Modify zoning regulations to allow accessory dwellings such as apartments over garages or in basements.	Short	OP	<div><div></div><div></div><div></div><div></div></div>
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	<div><div></div><div></div><div></div><div></div></div>
2.2 Create a government-backed revolving loan fund to support new businesses with a priority for those developed by District residents.	Medium	DSLBD	<div><div></div><div></div><div></div><div></div></div>
2.3 Convert five vacant buildings into permanent cultural or business incubation centers.	Long	DMPED	<div><div></div><div></div><div></div><div></div></div>
2.4 Triple the number of Live Near Your Work grants.	Medium	OP	<div><div></div><div></div><div></div><div></div></div>
2.5 Locate new affordable housing in walkable neighborhoods.	Long	DHCD	<div><div></div><div></div><div></div><div></div></div>
2.6 Implement the Southwest EcoDistrict Initiative and Maryland Avenue Small Area Plan.	Long	OP	<div><div></div><div></div><div></div><div></div></div>
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	<div><div></div><div></div><div></div><div></div></div>
3.2 Eliminate environmental health threats such as mold, lead, and carbon monoxide in at least 50% of the District's affordable housing.	Medium	DOEE, DHCD	<div><div></div><div></div><div></div><div></div></div>
3.3 Expand existing programs to train 100 District residents in the latest green construction skills.	Medium	DOES	<div><div></div><div></div><div></div><div></div></div>
3.4 Build public-private partnerships to expand best practices for building operations and maintenance.	Long	DGS	<div><div></div><div></div><div></div><div></div></div>

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	<div><div></div><div></div><div></div><div></div><div></div></div>
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	DOEE	<div><div></div><div></div><div></div><div></div><div></div></div>
4.2 Provide incentives for new building projects to achieve at least the LEED Gold standard certification or equivalent.	Medium	DMPED	<div><div></div><div></div><div></div><div></div><div></div></div>
4.3 Incorporate best practice sustainability principles into neighborhood planning.	Short	OP	<div><div></div><div></div><div></div><div></div><div></div></div>
4.4 Adopt the latest green construction codes for all new construction and major renovations.	Short	DCRA	<div><div></div><div></div><div></div><div></div><div></div></div>
4.5 Require all new buildings to be net-zero or net-positive.	Long	DOEE	<div><div></div><div></div><div></div><div></div><div></div></div>
🔌   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	DOEE	<div><div></div><div></div><div></div><div></div><div></div></div>
1.2 Establish Minimum Energy Performance Standard for buildings, phased in by building size.	Long	DOEE	<div><div></div><div></div><div></div><div></div><div></div></div>
1.3 Replace all street and public lighting with high-efficiency fixtures.	Short	DDOT	<div><div></div><div></div><div></div><div></div><div></div></div>
1.4 Fund \$500 million of renewable energy and efficiency retrofits.	Medium	DOEE	<div><div></div><div></div><div></div><div></div><div></div></div>
1.5 Complete a Comprehensive Energy Plan by 2014.	Short	DOEE	<div><div></div><div></div><div></div><div></div><div></div></div>
1.6 Launch a citywide educational campaign to lower citywide energy use.	Short	DOEE	<div><div></div><div></div><div></div><div></div><div></div></div>
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	DOEE	<div><div></div><div></div><div></div><div></div><div></div></div>
2.2 Complete a feasibility study to identify opportunities for neighborhood-scale renewable energy systems.	Short	DOEE	<div><div></div><div></div><div></div><div></div><div></div></div>
2.3 Build 1,000 additional residential and commercial renewable energy projects.	Medium	DOEE	<div><div></div><div></div><div></div><div></div><div></div></div>
2.4 Allow community solar and renewable energy systems through legislation.	Short	DOEE	<div><div></div><div></div><div></div><div></div><div></div></div>
2.5 Develop a wind farm in the region to power District Government and private facilities.	Long	DGS	<div><div></div><div></div><div></div><div></div><div></div></div>
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	DOEE	<div><div></div><div></div><div></div><div></div><div></div></div>
3.2 Work with utility companies to improve the reliability of energy transmission and distribution.	Medium	DOEE	<div><div></div><div></div><div></div><div></div><div></div></div>
3.3 Modernize electricity infrastructure to enable expansion of local energy generation projects.	Medium	DOEE	<div><div></div><div></div><div></div><div></div><div></div></div>
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	<div><div></div><div></div><div></div><div></div><div></div></div>
🍽️   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	DOEE	<div><div></div><div></div><div></div><div></div><div></div></div>
1.2 Streamline the process to find and use land for community agriculture projects.	Long	OP	<div><div></div><div></div><div></div><div></div><div></div></div>
1.3 Install educational gardens at 50% of DC Public Schools.	Medium	DCPS	<div><div></div><div></div><div></div><div></div><div></div></div>
1.4 Develop orchards or other food-producing landscaping on 5 acres of DC's public spaces.	Long	DGS	<div><div></div><div></div><div></div><div></div><div></div></div>
1.5 Develop permitting for pop-up agriculture.	Short	DCRA	<div><div></div><div></div><div></div><div></div><div></div></div>
Goal 2: Ensure universal access to secure, nutritious, and affordable food supplies.			
2.1 Expand the DC Healthy Corner Store initiative.	Medium	DOH	<div><div></div><div></div><div></div><div></div><div></div></div>
2.2 Introduce fresh food circulators and mobile vendors in neighborhoods with poor access to fresh foods.	Medium	DOH	<div><div></div><div></div><div></div><div></div><div></div></div>
2.3 Expand the Double Dollars program to farmers' markets and corner stores citywide.	Medium	DOH	<div><div></div><div></div><div></div><div></div><div></div></div>
2.4 Incorporate best practices in healthy and local menus in all DC Public Schools.	Medium	DCPS	<div><div></div><div></div><div></div><div></div><div></div></div>
2.5 Increase transparency about the nutritional content of food.	Long	DOH	<div><div></div><div></div><div></div><div></div><div></div></div>
2.6 Develop cooperative food purchasing systems.	Medium	OP	<div><div></div><div></div><div></div><div></div><div></div></div>
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	<div><div></div><div></div><div></div><div></div><div></div></div>
3.2 Create a Local Food Hub for consolidation and distribution of local produce.	Medium	DMPED	<div><div></div><div></div><div></div><div></div><div></div></div>
3.3 Develop small business food processing incubator center in DC.	Short	DSLBD	<div><div></div><div></div><div></div><div></div><div></div></div>
3.4 Permit incidental sales of food from community gardens.	Short	DCRA	<div><div></div><div></div><div></div><div></div><div></div></div>
3.5 Designate staff to actively participate in a new Food Policy Council.	Short	OP	<div><div></div><div></div><div></div><div></div><div></div></div>
3.6 Increase government and institutional procurement of local foods.	Short	OCP	<div><div></div><div></div><div></div><div></div><div></div></div>
🌳   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	DOEE	<div><div></div><div></div><div></div><div></div><div></div></div>
1.2 Develop an Urban Wetland Registry to facilitate restoration or creation of wetland habitat.	Medium	DOEE	<div><div></div><div></div><div></div><div></div><div></div></div>
1.3 Plant and maintain an additional 140 acres of wetlands along the Anacostia and Potomac Rivers and smaller streams.	Long	DOEE	<div><div></div><div></div><div></div><div></div><div></div></div>
1.4 Require new waterfront developments and renovations to incorporate Low Impact Development strategies.	Medium	DOEE	<div><div></div><div></div><div></div><div></div><div></div></div>
1.5 Implement a Fisheries Management Plan to restore DC's native fisheries.	Medium	DOEE	<div><div></div><div></div><div></div><div></div><div></div></div>
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	<div><div></div><div></div><div></div><div></div><div></div></div>
2.2 Replace 75% of public lighting with fixtures that reduce light pollution.	Long	DDOT	<div><div></div><div></div><div></div><div></div><div></div></div>
2.3 Create a connectivity map to guide development of viable habitats throughout the District.	Short	DOEE	<div><div></div><div></div><div></div><div></div><div></div></div>
2.4 Require trees and green space on all new development sites.	Medium	OP	<div><div></div><div></div><div></div><div></div><div></div></div>
2.5 Stipulate use of native plant varieties for District Government plantings and landscaping.	Medium	DDOT UFA	<div><div></div><div></div><div></div><div></div><div></div></div>
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	<div><div></div><div></div><div></div><div></div><div></div></div>
3.2 Expand the formal trail network for hiking and biking.	Medium	DDOT	<div><div></div><div></div><div></div><div></div><div></div></div>
3.3 Renovate and improve all District playgrounds.	Short	DPR	<div><div></div><div></div><div></div><div></div><div></div></div>
3.4 Improve transit linkages to parks and natural areas.	Long	DDOT	<div><div></div><div></div><div></div><div></div><div></div></div>
3.5 Create small parks and green spaces in areas with inadequate open space.	Short	DGS	<div><div></div><div></div><div></div><div></div><div></div></div>

ACTION	TIME FRAME	LEAD AGENCY	PROGRESS
🚲   TRANSPORTATION			
Goal 1: Improve connectivity and accessibility through efficient, integrated, and affordable transit systems.			
1.1 Complete 37 miles of streetcar networks.	Long	DDOT	<div><div></div><div></div><div></div><div></div><div></div></div>
1.2 Improve transit connections to employment and activity centers from underserved areas.	Medium	DDOT	<div><div></div><div></div><div></div><div></div><div></div></div>
1.3 Define and secure permanent funding for transit planning and improvements.	Long	DDOT	<div><div></div><div></div><div></div><div></div><div></div></div>
1.4 Design transit systems for resilience to extreme weather events.	Medium	DDOT	<div><div></div><div></div><div></div><div></div><div></div></div>
Goal 2: Expand provision of safe, secure infrastructure for cyclists and pedestrians.			
2.1 Develop a citywide, 100 mile bicycle lane network.	Medium	DDOT	<div><div></div><div></div><div></div><div></div><div></div></div>
2.2 Expand the Capital Bikeshare program by 200 stations.	Medium	DDOT	<div><div></div><div></div><div></div><div></div><div></div></div>
2.3 Partner with community organizations to deliver bike and pedestrian safety education.	Short	DDOT	<div><div></div><div></div><div></div><div></div><div></div></div>
2.4 Collect data to improve understanding of cyclist and pedestrian travel patterns.	Short	DDOT	<div><div></div><div></div><div></div><div></div><div></div></div>
2.5 Program crosswalks and traffic lights for improved safety and convenience of pedestrians and cyclists.	Medium	DDOT	<div><div></div><div></div><div></div><div></div><div></div></div>
Goal 3: Reduce traffic congestion to improve mobility.			
3.1 Implement an expanded Performance-Based Parking program.	Short	DDOT	<div><div></div><div></div><div></div><div></div><div></div></div>
3.2 Expand car-sharing programs to low-income residents using financial tools.	Short	DISB	<div><div></div><div></div><div></div><div></div><div></div></div>
3.3 Encourage private businesses to offer incentives for employee travel by transit, walking, or biking.	Medium	DOEE, OP	<div><div></div><div></div><div></div><div></div><div></div></div>
3.4 Encourage and promote telecommuting and alternative work schedules for employees.	Short	DDOT, DCHR	<div><div></div><div></div><div></div><div></div><div></div></div>
3.5 Study the feasibility of a regional congestion fee for travel during peak hours.	Short	DDOT	<div><div></div><div></div><div></div><div></div><div></div></div>
Goal 4: Improve air quality along major transportation routes.			
4.1 Strictly limit idling engines.	Short	DOEE	<div><div></div><div></div><div></div><div></div><div></div></div>
4.2 Require District Government, and encourage private businesses, to purchase clean fuel, low-emission fleet vehicles.	Long	DOEE	<div><div></div><div></div><div></div><div></div><div></div></div>
4.3 Expand electric vehicle charging infrastructure throughout the city.	Medium	DOEE	<div><div></div><div></div><div></div><div></div><div></div></div>
4.4 Offer incentives to avoid driving and other emission-generating activities on predicted Code Red and Orange air quality days.	Medium	DOEE	<div><div></div><div></div><div></div><div></div><div></div></div>
4.5 Track and report mileage data from clean fuel, low-emission, and electric vehicles.	Long	DOEE	<div><div></div><div></div><div></div><div></div><div></div></div>
🗑️   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	<div><div></div><div></div><div></div><div></div><div></div></div>
1.2 Introduce a Pay-As-You-Throw pricing structure for waste collection services.	Long	DPW	<div><div></div><div></div><div></div><div></div><div></div></div>
1.3 Ban Styrofoam and non-recyclable plastic containers from food and retail outlets.	Medium	DOEE	<div><div></div><div></div><div></div><div></div><div></div></div>
1.4 Introduce a bottle deposit law.	Long	DOEE	<div><div></div><div></div><div></div><div></div><div></div></div>
1.5 Implement Sustainable Sites Initiative (SITES) guidelines for park maintenance.	Medium	DPR	<div><div></div><div></div><div></div><div></div><div></div></div>
1.6 Allow nearby businesses to share containers for landfill waste, recycling, and composting.	Short	DCRA	<div><div></div><div></div><div></div><div></div><div></div></div>
Goal 2: Reuse materials to capture their economic value.			
2.1 Establish a District product stewardship program.	Long	DOEE	<div><div></div><div></div><div></div><div></div><div></div></div>
2.2 Introduce construction waste management requirements.	Medium	DCRA	<div><div></div><div></div><div></div><div></div><div></div></div>
2.3 Require the use of recycled and salvaged building materials.	Long	DCRA	<div><div></div><div></div><div></div><div></div><div></div></div>
2.4 Complete a waste life cycle study.	Short	DPW	<div><div></div><div></div><div></div><div></div><div></div></div>
2.5 Reuse 50% of biosolids treated in the District.	Short	DC Water	<div><div></div><div></div><div></div><div></div><div></div></div>
Goal 3: Increase the citywide recycling rate.			
3.1 Provide all households with a three-track waste collection process.	Long	DPW	<div><div></div><div></div><div></div><div></div><div></div></div>
3.2 Establish a new organics transfer station in the District.	Short	DPW	<div><div></div><div></div><div></div><div></div><div></div></div>
3.3 Increase the size of recycling bins.	Medium	DPW	<div><div></div><div></div><div></div><div></div><div></div></div>
3.4 Increase recycling receptacles in the public realm.	Long	DPW	<div><div></div><div></div><div></div><div></div><div></div></div>
3.5 Provide incentives for residential composting and recycling.	Medium	DOEE	<div><div></div><div></div><div></div><div></div><div></div></div>
💧   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	DOEE	<div><div></div><div></div><div></div><div></div><div></div></div>
1.2 Restrict the use of cosmetic pesticides and chemical fertilizers.	Medium	DOEE	<div><div></div><div></div><div></div><div></div><div></div></div>
1.3 Restrict the use of harmful salts on roads in winter.	Medium	DOEE	<div><div></div><div></div><div></div><div></div><div></div></div>
1.4 Study the feasibility of implementing nutrient and water quality trading programs.	Short	DOEE	<div><div></div><div></div><div></div><div></div><div></div></div>
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	DOEE	<div><div></div><div></div><div></div><div></div><div></div></div>
2.2 Increase the use of green infrastructure along public rights of way.	Short	DDOT	<div><div></div><div></div><div></div><div></div><div></div></div>
2.3 Double the number of homes participating in the RiverSmart Homes program.	Medium	DOEE	<div><div></div><div></div><div></div><div></div><div></div></div>
2.4 Build 25 miles of green alleys.	Long	DDOT	<div><div></div><div></div><div></div><div></div><div></div></div>
2.5 Establish pervious surface minimums for targeted zoning districts.	Short	OP	<div><div></div><div></div><div></div><div></div><div></div></div>
Goal 3: Reduce demands for potable water and increase rainwater reuse.			
3.1 Update water-efficiency standards in District building codes.	Short	DCRA	<div><div></div><div></div><div></div><div></div><div></div></div>
3.2 Revise building codes to allow the use of alternative water systems.	Short	DCRA	<div><div></div><div></div><div></div><div></div><div></div></div>
3.3 Expand use of neighborhood-scale water collection networks.	Long	DOEE	<div><div></div><div></div><div></div><div></div><div></div></div>
3.4 Develop incentives for water-efficiency measures in landscaping and building design.	Long	DOEE	<div><div></div><div></div><div></div><div></div><div></div></div>
3.5 Expand the use of water monitoring technologies.	Long	DOEE	<div><div></div><div></div><div></div><div></div><div></div></div>

# WAYS TO GET INVOLVED

## | BE A WASTE WARRIOR

Wondering how you can make the District more sustainable? From simple actions you can take at home to larger commitments affecting your entire community, here's a list of ways you can be a part of the Sustainable DC movement.

**Prevent food waste:** 40% of food in the US is wasted. Plan meals ahead, and freeze extra produce and leftovers before they go bad.



**Skip the rinse:** If you're using a dishwasher, stop rinsing your plates before you run the machine and save 6,000 gallons of water per year.

**Say good bye to phantom power:** Plug appliances into a power strip and turn them off completely when not in use to avoid phantom energy being drawn even when equipment is off.



**Don't dump it:** Donate old towels and blankets you can't use anymore to a local animal shelter. Shelters use them for bedding for dogs and cats.

## | BE A SUSTAINABILITY CHAMPION



**Sustainable DC Ambassadors:** Like talking to people? Join our team of enthusiastic volunteers by serving as an ambassador. Ambassadors spread the word on how sustainability can help all District residents.

**Sustainable DC Volunteers:** Want to get your hands dirty? Volunteers connect residents with hands-on environmental opportunities. It's simple — we connect you to events and you pick your level of commitment!

**Gain recognition:** Each year the District Sustainability Awards recognize businesses, individuals, and organizations that are working towards creating a more sustainable DC.



**Initiate your own neighborhood-scale project:** Consider developing your own sustainability project and reach out to us at Sustainable DC if you need help thinking through an idea or could use some technical assistance!

Just like our city, Sustainable DC is evolving. We're kicking off a collaborative process to update the plan together, and we want to hear from you! Get involved at [www.sustainabledc.org](http://www.sustainabledc.org).

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

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