

2024 PROGRESS REPORT





Addressing the effects of climate change and restoring our natural environment remain top priorities for my Administration, and together they help tackle the equally pressing economic and social needs of residents across all eight wards.

MURIEL BOWSER
Mayor, Washington, DC



Letter from Mayor Muriel Bowser



Dear Fellow Washingtonians:
 It is widely known that Washingtonians do not shy away from big challenges, and as such, we must embrace the bold changes needed to become a Sustainable DC. Our plan to make DC the healthiest, greenest, most livable city for all residents by 2032 is our Sustainable DC Plan.

As we approach this target year for meeting our commitments, we are at a critical point in our sustainability journey. Sustainability balances not just the environmental, economic, and social needs of DC today, but also the needs of our future generations tomorrow. Addressing the effects of climate change and restoring our natural environment remain top priorities for my Administration, and together they help tackle the equally pressing economic and social needs of residents across all eight wards.

As this report highlights, we have continued to push forward on the actions laid out in our Sustainable DC, Clean Energy DC, and Climate Ready DC plans. You will learn that in the past year, we have planted thousands of trees with a focus on priority areas with the hottest temperatures and where residents most vulnerable to extreme heat live; reached a key milestone in our effort to upgrade our streetlight system for increased efficiency and safety; increased recruitment for in-demand green jobs; and, followed through on the promise of bringing convenient curbside composting services to households.

This progress is a testament to the determination of public servants in District Government and community members that bring us closer to our sustainability vision thanks to their passion for attaining our goals. Your collective work epitomizes what I like to call our DC values. We must not and cannot slow down, as these ambitious goals require over the next few years that we dig deep to harness our collective efforts to do so. We have to be together as one on this journey and show what we Washingtonians can accomplish.

Let's keep pushing!

A handwritten signature in black ink that reads "Muriel Bowser". The signature is fluid and cursive, with the first name "Muriel" and last name "Bowser" clearly distinguishable.

Muriel Bowser
 Mayor, Washington, DC



Sustainable DC: 10 Years In

When the first Sustainable DC plan was released in 2013, it had the vision of making DC the healthiest, greenest, most livable city in the United States by 2032. This ambition to transform the District within a generation resulted in a plan full of bold ideas and innovative strategies. Since then, Sustainable DC has become an aspirational future status, a policy roadmap for lawmakers, an advocacy tool for community members, and much more.

Since its initial release, Sustainable DC has given rise to other plans that get into the specific steps necessary for achieving our high-level sustainability goals. Clean Energy DC and Climate Ready DC are two plans closely aligned with Sustainable DC that detail actions for transitioning to clean, renewable sources of energy and adapting to more frequent weather extremes due to climate change.

While this progress report documents achievements across all three plans from the past year, since we are now at the halfway point of Sustainable DC's implementation timeline, it's important to reflect on the key accomplishments that have happened from its inception to now:

SUSTAINABLE DC

Establishing equity analysis tools has allowed for improvements to sustainability programs that benefit the most underserved populations. Installing more than 5.5 million square feet of green roofs has provided cooling, stormwater runoff reduction, and other benefits. Growing Capital Bikeshare so that more than 80% of the District's population is within a quarter mile of a station has enabled cleaner, healthier travel. Reaching a pace of 10,000 or more trees planted per year has helped facilitate a robust tree canopy.



CLEAN ENERGY DC

Implementing a Building Energy Performance Standard, completing a Strategic Energy Management Plan for District Government facilities, and establishing the Affordable Housing Retrofit Accelerator have tackled the biggest source of greenhouse gas emissions in the District: our buildings. Establishing a Green Bank has allowed for financing of clean energy, energy efficiency, and stormwater management projects.

CLIMATE READY DC

Infrastructure investments such as the floodwall for DC Water's wastewater treatment plant and the elevated Southwest Library have helped safeguard our infrastructure from increased flooding. Establishing

the FloodSmart Homes program, collaborating on community resilience conversations at a burgeoning resilience hub, and installing public art about historic flood levels have empowered residents to understand their role in climate resilience. Developing the heat risk sensitivity/exposure index has enabled effective decision making on prioritizing tree plantings to combat extreme heat.

All the changes above have happened in the past 10 years, as a result of dedicated leaders and community members working to bring Sustainable DC's vision into reality. As we celebrate the latest round of successes from 2023 throughout this report, let's keep the momentum going for the next 10 years!





Governance & Implementation

Meeting Sustainable DC 2.0, Clean Energy DC, and Climate Ready DC goals requires continued commitment and perseverance across District Government and collaboration with partners.

Sustainable DC, Clean Energy DC, and Climate Ready DC released their first **combined progress report**, consolidating accomplishments across all three plans into one document.



Sustainable DC conducted focus groups, participated in community events, and administered a survey to hear priorities of populations typically underrepresented in city sustainability planning efforts as part of developing **Sustainable DC 3.0**.

As part of developing **Clean Energy DC 2.0**, the Department of Energy and Environment (DOEE) led workshops, listening sessions, and a survey to develop a robust policy roadmap to achieve the District's greenhouse gas emissions targets and carbon neutrality by 2045.



DOEE and the Homeland Security and Emergency Management Agency launched the **Climate Resilience Interagency Advisory Group** to collaborate with District agency partners on the implementation and update of Climate Ready DC.

The **College and University Sustainability Pledge** members narrowed in on available data points collected across all universities that would allow tracking of collective progress toward pledge goals.



98% SUSTAINABLE DC 2.0 UNDERWAY OR COMPLETE

84% of Sustainable DC actions are underway (140 actions) and 14% of actions (24 actions) are complete. Source: Sustainable DC



95% CLEAN ENERGY DC UNDERWAY OR COMPLETE

67% of Clean Energy DC actions are underway (38 actions) and 28% of actions (16 actions) are complete. Source: Clean Energy DC



88% CLIMATE READY DC UNDERWAY OR COMPLETE

75% of Climate Ready DC actions are underway (58 actions) and 13% of actions (10 actions) are complete. Source: Climate Ready DC

Goal: 100%

Equity



Sustainable DC 2.0, Clean Energy DC, and Climate Ready DC plans advance racial equity and create opportunities for historically marginalized residents. In addition to those listed in this section, nearly all the activities described throughout this report advance equity by ameliorating disparities, providing opportunities, and preventing harms that fall hardest on communities of color.

The Mayor's Office of Racial Equity (ORE) established the **Racial Equity Advisory Board**, consisting of nine community members to provide ongoing input on racial equity in the District and to serve as a liaison with the public.



The District was selected to receive technical assistance through the Trust for Public Land's **Park Equity Accelerator** to develop a systematic approach to park maintenance.

The Anacostia Community Museum launched the **Center for Environmental Justice** on Earth Day 2023 to raise awareness of systemic injustice; craft community-driven solutions for environmental issues; and encourage others to see their own power in creating a more equitable, healthy, and just environment.

The Office of Human Rights and ORE worked together to publish "**Words Matter: A Guide to Inclusive Language around Racial and Ethnic Identity**" to serve as an educational resource for District employees and the public as they engage in conversations about race, ethnicity, and equity in the workplace and in our communities.



The Department of Energy and Environment conducted a **hyperlocal air quality monitoring pilot** in three communities disproportionately impacted by racial injustice and air pollution to increase residents' awareness of pollutants and help reduce emissions.

DC hosted an Urban Sustainability Directors Network (USDN) **Equity Diversity and Inclusion Fellow** for the summer of 2023 to help address the existing disparity in representation of people of color in sustainability fields and the USDN member network.





Built Environment & Communities

The District is focused on making its neighborhoods and communities healthier, more efficient, and more resilient to changes in climate.

The Office of the Deputy Mayor for Planning and Economic Development, the Department of Housing and Community Development, DC Green Bank, and community members broke ground on Cycle House, a **net-zero energy affordable housing project**.



The DC Property Assessed Clean Energy Program, which provides long-term financing for energy efficiency and other green building upgrades, passed the milestone of providing **\$100 million in financing** since its inception in 2015.

The Office of Planning completed the **New York Avenue Vision Framework**, which establishes a shared vision and key actions to guide the corridor's transition from industrial hub to mixed-use community over the next 20 years.



The Public Service Commission awarded \$2.5 million to pilot a **geothermal community heat pump at the Barry Farm Redevelopment** in Ward 8 instead of fossil-fuel based space conditioning systems.

The New Buildings Institute was awarded \$1 million from the U.S. Department of Energy to **support the District with developing a net-zero energy building code** in accordance with the Clean Energy DC Building Code Amendment Act.



65%

WALKABLE

65% of DC neighborhoods are walkable. Source: Walk Score

Goal: 100%

Climate



Climate Ready DC is the District's plan to prepare for a changing climate. Guided by Climate Ready DC, Resilient DC, and Sustainable DC 2.0, the District is taking action to ensure that the city thrives in the face of extreme heat, increased flooding, and more intense storms. The District's efforts to reduce the emissions that cause climate change are captured throughout the other sections of this report.



The District partnered with the Metropolitan Washington Council of Governments to plan and design **blue-green infrastructure that will reduce flood risk to residents in the Watts Branch Watershed** through a \$1.4 million Regional Catastrophic Preparedness Grant from the Federal Emergency Management Agency (FEMA); the District was also awarded \$775,000 from FEMA's Building Resilient Infrastructure and Communities program to expand these efforts.



Through December 2023, DOEE completed in-home assessments identifying resilience upgrades and delivered flood emergency kits to 70 homes, delivered flood barriers to 62 homes, elevated outdoor heating and cooling units in eight homes, elevated electric equipment in eight homes, waterproofed one home, and installed flood vents in one home as part of the **FloodSmart Homes program**.



Serve DC prepared 62 adults and 38 youth to better respond to emergencies in their community through the **Community Emergency Response Team (CERT)** training program and the CERT Summer Youth Employment program.

The Office of the People's Counsel hosted a **Youth Climate Summit** that was attended by 173 Gen Z and Millennial participants.



The **DC Flood Task Force** published its final report in January 2023 detailing 27 actions that could help make the city and its residents more flood resilient, the culmination of more than two years of interagency collaboration between members.

The Department of Energy and Environment (DOEE) completed the **Southwest/Buzzard Point Flood Resilience Strategy**, which includes designs for Lansburgh Park and nearby streets to better serve residents while also storing floodwater and keeping it from entering homes and businesses.



11,000
TREES PLANTED
IN 2023

In 2023, the District planted nearly 11,000 trees, including nearly 1,000 street trees in the District's most heat-exposed and heat-sensitive neighborhoods.



Economy

The District is investing in residents through job training, apprenticeships in growing sustainability fields, and by growing and diversifying businesses across all eight wards.

In partnership with the International Brotherhood of Electrical Workers Local 26, the Department of Energy and Environment (DOEE) launched the **Green Trades DC Program** to recruit and train District residents to prepare for careers as journey-level electricians to help the District meet its solar, energy efficiency, and sustainability goals.



The **DC Community Anchor Partnership**, which uses participating institutions' purchasing power to support local, minority-owned small businesses (MBEs) and is led by a partnership between the Deputy Mayor for Planning and Economic Development and the Coalition for Nonprofit Housing and Economic Development, reached the milestone of \$250 million in collective spend with District-based MBEs.

Mayor Muriel Bowser kicked off the transformation of the historic Spingarn High School into the **new DC Infrastructure Academy** to train District residents for careers in in-demand infrastructure fields and incorporate green infrastructure and renewable energy on the campus.



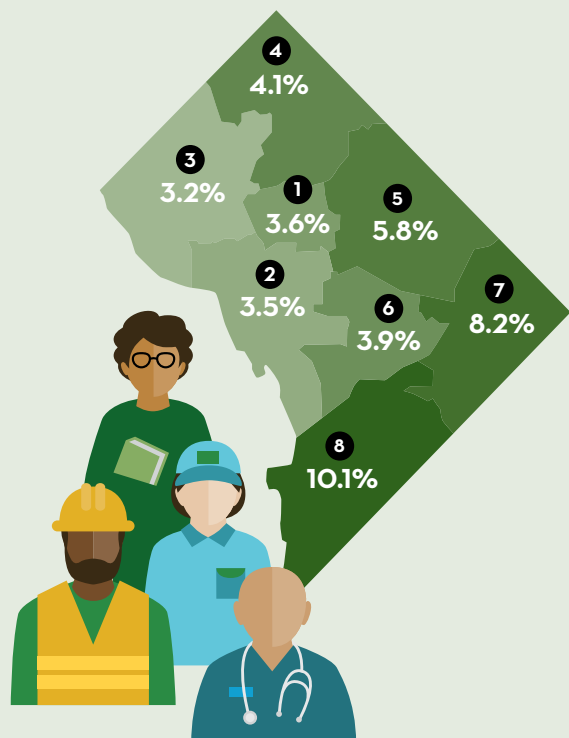
DOEE was awarded a \$500,000 grant from the U.S. Environmental Protection Agency to establish a **DC Green Cleaning Program**, which will enable local businesses to compete for all-green cleaning contracts and transition to safer and more sustainable products.

The **DC Green Buildings Career Map** was created by DOEE through a grant to the nonprofit Julius Education to map out career paths in the green building industry, including typical skills and certifications needed to advance in the field.

UNEMPLOYMENT BY WARD

	2012	2023
Ward 1	6.0%	3.6%
Ward 2	3.5%	3.5%
Ward 3	3.2%	3.2%
Ward 4	9.7%	4.1%
Ward 5	13.9%	5.8%
Ward 6	6.6%	3.9%
Ward 7	17.9%	8.2%
Ward 8	21.3%	10.1%

Source: Department of Employment Services, 2012 and 2023



Education



The District is working to close gaps in childhood and adult education by expanding environmental education for both children and adults, launching new job training programs and extracurricular activities, and increasing opportunities for experiential learning.

The State Board of Education adopted **new social studies standards that include environmental literacy** as one of the knowledge and skills guiding principles.



The Anacostia Community Museum opened the **“To Live and Breathe: Women and Environmental Justice in Washington, D.C.”** exhibit to showcase how women have become leaders in the environmental justice movement, which pathways they have taken, and how their efforts benefit local communities and the Earth.

Coolidge High School began rolling out their redesign framework based on the United Nations Sustainable Development Goals, to rethink students’ high school experiences and incorporate opportunities for real-world, hands-on instruction.



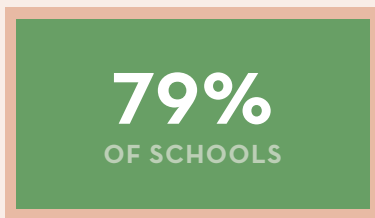
Anacostia High School students published a book of poetry titled **“Through My Anacostia Eyes,”** as a culmination of a six-week environmental justice internship.

The Department of Parks and Recreation hosted its largest **Youth Environmental Summit** yet, convening high school students to engage in a variety of environmental activities at The Well in Oxon Run Park and learn about employment opportunities.



The Department of Energy and Environment brought back the **Overnight Meaningful Watershed Educational Experience** for District fifth graders after a pause due to the public health emergency, a three-day, two-night experience providing immersive environmental programming such as watershed activities, farm visits, and team building.

ENVIRONMENTAL EDUCATION PROGRAMMING



79% of public and public charter schools in the District offered **environmental education programming** in the 2021-2022 school year. Source: Office of the State Superintendent of Education

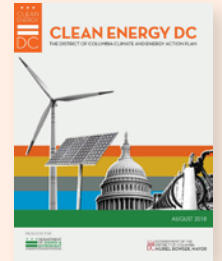
Goal: 100%





Energy

Clean Energy DC is the District’s plan to reduce greenhouse gas emissions while increasing renewable energy and reducing energy consumption. Guided by Clean Energy DC and Sustainable DC 2.0, the District is working to modernize the grid, decarbonize its energy supply, and provide resources for residents to transition to clean energy.



Mayor Muriel Bowser released **Carbon Free DC**, the District’s comprehensive strategy to achieve carbon neutrality by 2045.



The Washington Metropolitan Area Transit Authority powered up a new **solar carport at the Anacostia Metro station**, providing 1.4 megawatts of clean, renewable electricity for homes and businesses in the community.

The DC Housing Authority received \$4.1 million to pilot **net-zero energy projects in public housing** and fund geothermal projects and electrical service upgrades at James Creek Apartments, to help reduce the community’s greenhouse gas emissions.



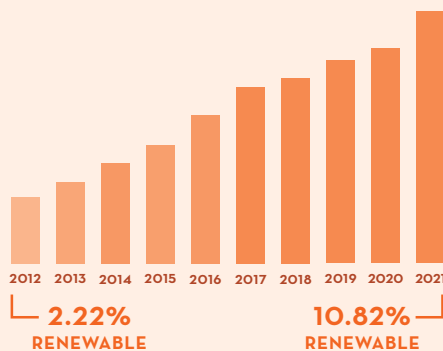
The District celebrated the modernization of nearly 40,000 streetlights through the **DC Smart Street Lighting Project**, which will upgrade the entire streetlight network of more than 75,000 lights for energy efficiency, better light directing and safety, remote monitoring, and brightness control.

The Department of Energy and Environment’s **Solar for All program** was a grand prize winner of the U.S. Department of Energy’s Sunny Awards, which recognize projects and programs with best practices to increase equitable access to the meaningful benefits of community solar for subscribers and their communities.



The **DC Water Brentwood Reservoir and Sargent Memorial Presbyterian Church community solar projects** were completed, together generating enough clean energy to provide bill credits to cut electricity bills for more than 570 income-qualified DC households.

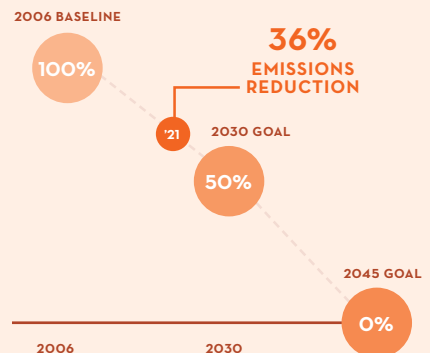
RENEWABLE POWER AND CARBON FOOTPRINT



10.82% of annual power is from renewable sources. Source: Department of Energy and Environment



Goal: 50%



As of 2021, the District cut its citywide carbon footprint 36% since 2006. Source: Department of Energy and Environment

Food



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

Rooting DC, a free annual urban gardening forum, came back in person and to Anacostia High School for the first time, with 450+ attendees participating in 15 workshops and an expo fair with 35+ exhibitors.



Department of Parks and Recreation (DPR) Communal Farms donated more than 13,000 pounds of food it grew to the local community and provided thousands of pounds of produce donated from other local farms and food banks.

The first **Green Food Report** was released, establishing a baseline for the District's food-related greenhouse gas emissions and a pathway to reduce them by 25% by 2030.



Anacostia High School broke ground on a new greenhouse and "living classroom" that will allow students to grow food for their community.

DPR hosted the **6th Annual Black Growers Conference** that sought to connect Black agriculturalists and celebrate the countless contributions they have made historically to the field.



The Department of Energy and Environment's Office of Urban Agriculture and the Chesapeake Bay Trust awarded seven entities a total of \$113,080 through the **Urban Agriculture Small Award Program**, which provides funding for urban agriculture initiatives in the District.

90%
FOOD SECURE

90% of residents have consistent access to enough food for an active, healthy life. Source: U.S. Department of Agriculture, 2020-2022

Goal: 100%





Health

The District is striving to provide residents in all neighborhoods with the opportunity to make healthy choices and live active lifestyles to eliminate preventable health risks.

The Department of Parks and Recreation (DPR) broke ground on a **new recreation center in Anacostia**, the first new facility in Ward 8 in 20 years, which will feature one of the largest fitness rooms in DPR's inventory, playgrounds for kids of different ages, lit walking paths, a gymnasium, backup power, and a demonstration kitchen.



The American College of Sports Medicine American Fitness Index ranked the **District as the #2 fittest city in the United States** based on 30 fitness indicators including health behaviors, chronic diseases, and community assets.

DPR released **Ready2Play**, a 20-year, people-centered plan that addresses existing inequities in the park system through future investment and operations and in meeting the needs of residents in every neighborhood.



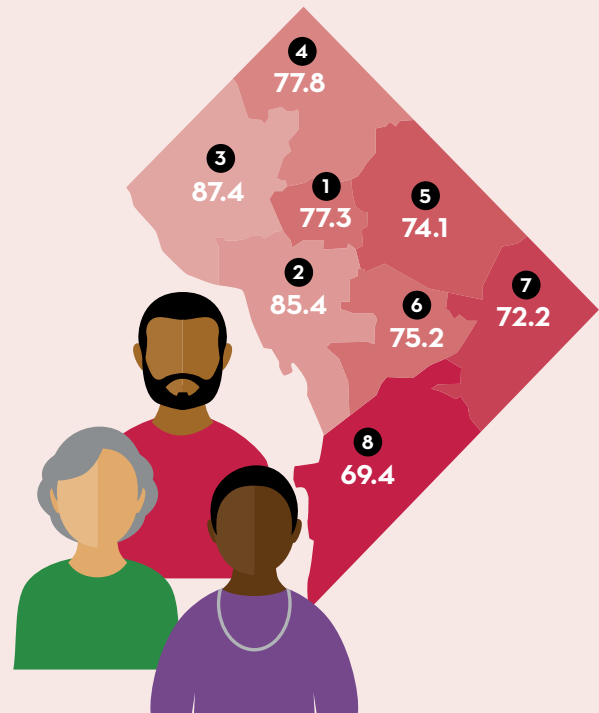
The Greater Washington Community Foundation awarded more than **\$12.5 million in Health Equity Fund grants to 14 District-based nonprofits** working on health advocacy, policy, and systems change initiatives that address the social and structural determinants of health, the biggest single grant in the foundation's history.

Ounce, a startup focused on bridging the gap between health and housing, partnered with AmeriHealth Caritas DC and the National Housing Trust to **provide healthcare coordination services to more than 2,000 residents across nine affordable housing properties** through activities such as evaluating residents for gaps in care, hosting on-site health clinics and screenings, enrolling residents in public benefits, and connecting residents to healthcare and social services.

LIFE EXPECTANCY BY WARD

	2013	2022
Ward 1	78.3	77.3
Ward 2	86.7	85.4
Ward 3	86.2	87.4
Ward 4	78.6	77.8
Ward 5	74.4	74.1
Ward 6	76.9	75.2
Ward 7	74.0	72.2
Ward 8	70.9	69.4

Source: District of Columbia 2018 Health Equity Report Life Expectancy at Birth, 2009-2013 & DC Health Vital Records 2018-2022, U.S. Census American Community Survey 5-year 2022



Nature



The District is striving to protect and restore the city’s natural environment, including its rivers and streams, wetlands, forests, and meadows, while also expanding every resident’s ability to connect with the natural environment in green space.

The District had the **#1 parks system in the nation** for the third year in a row, according to the Trust for Public Land.



The District began a two-year **ecological restoration project on Kingman and Heritage Islands**, which will guide the initial two years of extensive invasive removal and native plantings in the 50-acre conservation area and provide a roadmap for ongoing maintenance of this initial investment.

The U.S. Forest Service announced **\$34 million in grants to improve tree cover in historically disadvantaged communities** in the region, including in the District, which will enable hiring of new staff and the planting and maintaining of thousands of trees in communities that face environmental injustices such as a lack of tree canopy and poor air quality.



The DC Council passed the Migratory Local Wildlife Protection Act, a **bird-friendly building law** that will require new buildings to use bird-friendly materials up to 100 feet above ground level to reduce collisions.

The **Branch Avenue Stream Restoration project** was completed, restoring a 450 linear foot stream in Southeast by creating a stable stream channel using regenerative stream design techniques, adding hundreds of native plants to the project area, and making the site accessible to community residents with the creation of a walking trail.

37%

CANOPY COVER

When viewed from above, 37% of DC is covered by trees. Source: District Department of Transportation, 2020

Goal: 40%





Transportation

The District continues to shift away from fossil fuel-burning vehicles to sustainable and pollution-free forms of transportation to include walking, biking, transit, and zero-emission vehicles.

The Washington Metropolitan Area Transit Authority (WMATA) advanced its zero-emission bus transition, putting its first two 60-foot **battery-electric buses** into service on the W4 route that operates from Anacostia to Deanwood and breaking ground on two new zero-emission bus garage facilities in the District (Northern and Bladensburg).



Capital Bikeshare had its best performing year on record with more than 4.4 million trips in 2023, breaking monthly ridership records for 12 months straight.

The Department of Energy and Environment finalized adoption of the California Advanced Clean Cars 2 regulation to phase in light-duty vehicle registrations needing to be zero-emission, leading to **100% of light-duty vehicle registrations needing to be zero-emission** by model year 2035.



WMATA began **24/7 bus service** on 14 routes in the District in all eight wards.

The District Department of Transportation completed the 1.5 mile **9th Street NW protected bike lane**, connecting the U Street corridor to Pennsylvania Avenue NW and bringing the District's protected bike lane total to 30 miles, part of an overall bike lane network of 108 miles.



WMATA launched the **Metro Lift program**, offering half off Metrobus and Metrorail trips for customers enrolled in the Supplemental Nutrition Assistance Program.

31.4%

BIKE, WALK, TRANSIT
COMMUTER TRIPS

31.4% of District resident commuter trips were taken by bicycle, walking, or transit in 2022, with 33.8% telecommuting.

Source: 2022 U.S. Census American Community Survey

Goal: 75%



Waste



The District is expanding zero waste initiatives through new programs and services and partnering with the private sector to create opportunities for waste reduction and reuse.

The Department of Public Works (DPW) launched the **Curbside Composting Pilot Program**, bringing curbside food waste collection to approximately 9,000 single-family households in the District.



DOEE's **Ditch the Disposables Grants and Donation and Reuse Grants** awarded a combined 15 projects totaling \$232,517 to encourage reuse and waste reduction in DC.



DPW's **Food Waste Diversion Program** continued to attract more than 10,000 weekly participants who divert nearly 500 tons of material each year.

DOEE expanded **Fix-It DC** community repair events to 10 events at three public libraries and two community gardens, and offered ReThread DC textile-specific repair at two partner events, resulting in participation from 206 attendees and 478 pounds of material repaired and diverted from the trash.

The Department of Energy and Environment (DOEE) and Call2Recycle, Inc. partnered to launch **convenient drop-off locations for secure, accessible, and safe battery recycling**, representing the nation's first extended producer responsibility program for a broad scope of single-use and rechargeable household batteries.



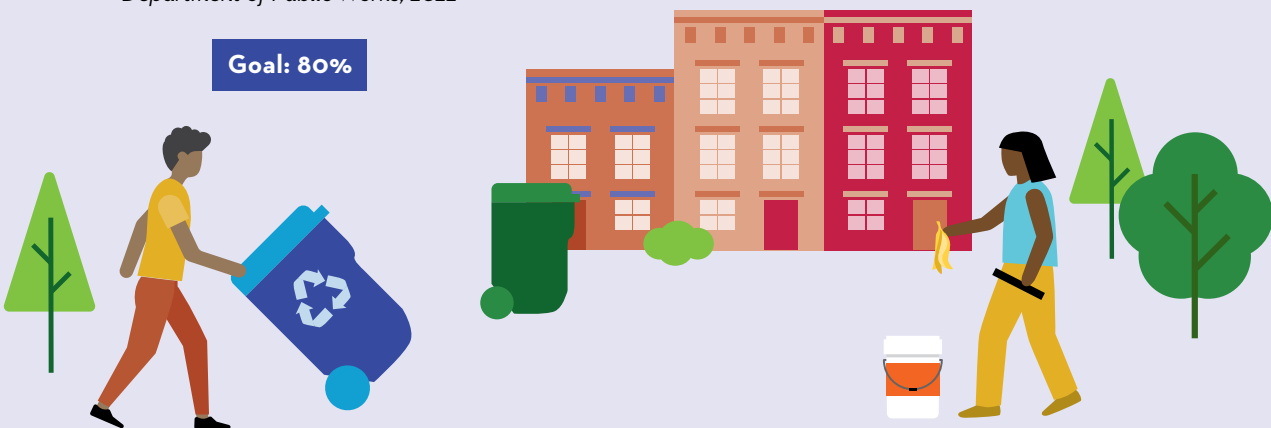
The local reuse nonprofit **Community Forklift** began offering **free deconstruction services** to District residents through a grant from DOEE, which included removing salvageable building materials and household appliances from 10+ homes being renovated or demolished and offering the materials to low-income residents for free through its community giving programs or reselling the materials at discounted prices in its Reuse Warehouse.

27.9%

CITYWIDE WASTE DIVERSION

27.9% citywide waste diversion,
with 29.2% waste diversion from
District-serviced residents only. Source:
Department of Public Works, 2022

Goal: 80%





Water

The District is protecting and restoring our waterways for public and environmental health, while ensuring all residents have access to safe, affordable drinking water.

The final component of the Anacostia River Tunnel System, the **Northeast Boundary Tunnel**, went into service, helping reduce combined sewer overflows to the Anacostia River by 98% in an average year.



To honor their adoption of the Anacostia River and raise awareness of active ways to engage in river restoration efforts, the **Washington Coalition of Women's Professional Sports** held a cleanup event with Living Classrooms and their innovative Green Boats program, a citizen science initiative focused on collecting marine debris from the river.

The District's Attorney General secured the largest environmental settlement in DC history with **Pepco agreeing to pay \$57 million to clean up pollution in the Anacostia River** after the utility company released harmful chemicals into the river over several decades.

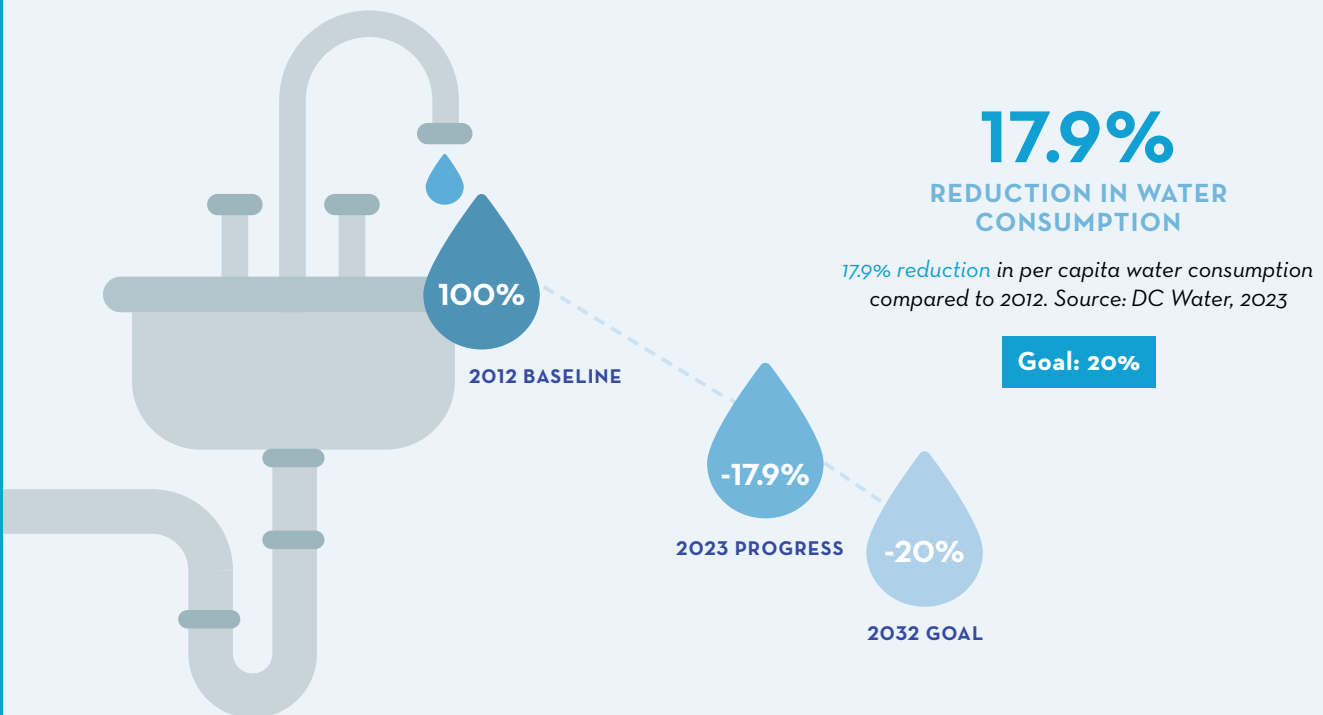


The Department of Energy and Environment's **Stormwater Retention Credit (SRC) Trading program** surpassed **2 million SRCs traded**, demonstrating significant investment in green infrastructure across the District.

The District secured \$2.5 million for the **restoration of stream and wetland habitat at Fort Dupont Park**, which would reduce erosion and improve water quality in the Anacostia River watershed.



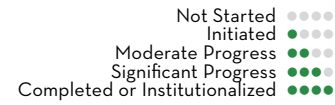
RiverSmart Homes installed its 20,000th best management practice (e.g., rain garden, rain barrel, native landscaping, permeable pavement, and trees) in a continued effort to support and incentivize residents to manage stormwater and reduce stormwater pollution.



Sustainable DC 2.0 Detailed Progress

This chart lists progress made on all actions in the Sustainable DC 2.0 Plan.

For more details on the ongoing progress, please visit sustainable.dc.gov/progress.



	ACTION	TIME FRAME	LEAD AGENCY	PROGRESS
GOVERNANCE				
	Goal 1: Expand District Government leadership to implement the Sustainable DC 2.0 Plan.			
	Target 1: Implement 100% of the Sustainable DC actions by 2032.			
GV1.1	Dedicate District Government staff and funding to implement the Sustainable DC 2.0 Plan, track progress, and make results publicly available.	Ongoing	DOEE, OP	●●●●
GV1.2	Strengthen the existing process to collect, analyze, and report data to make progress towards goals and targets by prescribed dates.	Ongoing	DOEE, OP	●●●●
GV1.3	Identify existing laws, regulations, and policies that conflict with sustainability goals and areas where new authority is required.	Ongoing	DOEE, OP	●●●●
GV1.4	Expand sector-based sustainability partnerships and pledges to promote adoption of sustainable practices.	Ongoing	DOEE, OP	●●●●
GV1.5	Increase federal and regional collaboration by partnering with the federal government and regional council of governments.	Ongoing	DOEE, OP	●●●●
GV1.6	Designate a sustainability lead in every District Government agency to coordinate efforts across government.	Short term	DOEE, OP	●●●●
GV1.7	Develop a citywide strategy for greening internal District Government operations to save money and improve environmental performance.	Short term	DOEE, OP	●●●●
GV1.8	Ensure that all Sustainable DC 2.0 Plan actions promote population health to address health disparities.	Short term	DC Health, OP	●●●●
EQUITY				
EQ1.1	Create an Equity Impact Committee to guide equity in the development and implementation of the Sustainable DC 2.0 Plan.	Short term	DOEE	●●●●
EQ1.2	Develop an Equity Impact Assessment Tool to help the District immediately address racial inequities related to sustainability.	Short term	DOEE	●●●●
EQ1.3	Provide equity-focused training for all District Government employees.	Medium term	DOEE, DCHR	●●●●
EQ1.4	Focus community engagement on communities that have been historically under-represented.	Medium term	DOEE	●●●●
BUILT ENVIRONMENT				
	Goal 1: Sustainably and equitably accommodate future population growth within the District.			
	Target 1: By 2032, accommodate the District's projected population growth while maintaining quality and affordability for those who need it most.			
BE1.1	Create and preserve energy- and water-efficient affordable housing (including low-income and workforce housing) that accommodates different family sizes.	Ongoing	DMPED	●●●●
BE1.2	Expand brownfield redevelopment incentives.	Medium term	DOEE	●●●●
	Goal 2: Strengthen existing neighborhoods to be vibrant and walkable while maintaining their historic character.			
	Target 2: By 2032, provide essential services within a quarter-mile walk, and a variety of services and amenities within a half-mile walk of all residents.			
BE2.1	Enhance programs to support businesses to open and operate in neighborhood commercial corridors, focusing on vacant and underused spaces.	Short term	DCRA	●●●●
BE2.2	Encourage the development of affordable live-work units.	Medium term	DHCD	●●●●
BE2.3	Locate affordable, high-density housing close to commercial zones and high capacity transit.	Long term	DHCD	●●●●
BE2.4	Expand the Great Streets program to five streets east of the Anacostia River to strengthen walkable, accessible, and vibrant commercial corridors.	Long term	DMPED DHCD	●●●●
	Goal 3: Improve the performance of existing buildings by reducing energy and water use, advancing health, and increasing livability.			
	Target 3: By 2032, audit 100% of existing commercial and multi-family buildings and implement improvements to achieve energy reduction goals.			
BE3.1	Rehabilitate public housing to be energy- and water-efficient, equipped to meet net-zero energy standards, and to provide a healthy environment for occupants.	Long term	DCHA	●●●●
BE3.2	Develop a green building workforce by training built environment professionals and building operations staff in the latest green skills.	Short term	DOES	●●●●
BE3.3	Build public-private partnerships to expand best practices for building operations and maintenance.	Short term	DGS	●●●●

SUSTAINABLE DC 2.0 DETAILED PROGRESS

	ACTION	TIME FRAME	LEAD AGENCY	PROGRESS
BE3.4	Retrofit and maintain all buildings owned by the District Government to reduce energy use by 50% and maximize the installation of renewable energy technology.	Long term	DGS	●●●●
BE3.5	Complete energy assessments of all District homes and buildings.	Medium term	DOEE	●●●●
	Goal 4: Ensure the highest standards of building performance and operation for all new construction, including net-zero energy use, while advancing health and overall livability.			
	Target 4: By 2032, meet net-zero energy use standards with 100% of new construction projects and develop policies or regulation to improve the sustainability, livability, and resilience of new development.			
BE4.1	Require higher levels of energy efficiency, renewable energy requirements, net zero standards for new construction, and broader sustainability metrics for public projects.	Long term	DOEE	●●●●
BE4.2	Provide incentives for new building projects to achieve net-zero energy.	Medium term	DOEE, DCRA, OTR	●●●●
BE4.3	Incorporate sustainability best practices into neighborhood planning.	Ongoing	OP	●●●●
BE4.4	Continuously adopt the latest green construction codes.	Ongoing	DCRA	●●●●
BE4.5	By 2026, update the building energy codes to require that all new buildings achieve net-zero energy use or better.	Medium term	DCRA	●●●●

CLIMATE

	Goal 1: Reduce greenhouse gas emissions from all local sources to put us on track to eliminate emissions by 2050.			
	Target 1: By 2032, reduce greenhouse gas emissions by 50%.			
CL1.1	Build awareness and provide resources to empower people and organizations to take actions to reduce their share of greenhouse gas emissions.	Ongoing	DOEE	●●●●
CL1.2	Report District emissions annually to track the reductions that can be attributed to specific initiatives.	Ongoing	DOEE	●●●●
CL1.3	By 2020, develop a plan to achieve carbon neutrality by 2050.	Short term	DOEE	●●●●
CL1.4	Measure and eliminate methane gas leaks into the atmosphere throughout the District.	Long term	DOEE	●●●●
	Goal 2: Advance physical adaptation and human preparedness to increase the District's resilience to climate change.			
	Target 2: By 2032, require 100% of new buildings, major infrastructure, and neighborhood plans to consider climate risks and identify adaptation solutions.			
CL2.1	Evaluate and reduce the vulnerability of the District's transportation, energy, water, and telecommunications infrastructure to the anticipated impacts of climate change.	Medium term	DOEE	●●●●
CL2.2	Improve emergency and community preparedness to respond to climate change events including extreme heat, storms, and flooding, with a focus on the most at-risk populations.	Medium term	HSEMA	●●●●
CL2.3	Require all new development projects to assess climate risks and incorporate climate adaptation solutions.	Medium term	OP	●●●●
CL2.4	Fully implement and regularly update the Climate Ready DC Plan, the District's plan to adapt to the changing climate.	Ongoing	DOEE	●●●●

ECONOMY

	Goal 1: Grow and diversify the District's economy, focusing on sustainability, climate, and resilience industries.			
	Target 1: By 2032 develop two times as many small District-based businesses.			
EC1.1	Provide training, financial assistance, and marketing for jobs in sustainability business start-ups, targeting strategic populations.	Medium term	DSLBD, DOEE	●●●●
EC1.2	Coordinate with anchor institutions such as hospitals and universities to encourage purchasing from local sustainability-related businesses.	Ongoing	DOEE	●●●●
EC1.3	Work with private partners to support new incubators and "maker spaces" with a focus on communities most in need.	Medium term	DSLBD, DMPED	●●●●
EC1.4	Increase the number of businesses that offer sustainable products and services by connecting them to third party certification programs.	Short term	DOEE	●●●●
EC1.5	Provide training and connect District businesses to financial resources to operate more sustainably.	Short term	DOEE	●●●●
EC1.6	Launch the DC Green Bank by 2020.	Short term	DOEE	●●●●

SUSTAINABLE DC 2.0 DETAILED PROGRESS

	ACTION	TIME FRAME	LEAD AGENCY	PROGRESS
	Goal 2: Train District residents to be competitive for livable wage jobs in growing industries such as sustainability, the environment, and resilience.			
	Target 2: By 2032, reduce citywide unemployment in severely unemployed populations by 50%.			
EC2.1	Partner with the Workforce Investment Council to identify the fastest growing sustainability fields for future job training programs.	Short term	DOEE, DOES	●●●●
EC2.2	Help connect underemployed residents with jobs in sustainability with opportunities in growing fields.	Medium term	DOES, DHS	●●●●
EC2.3	Create new paid job opportunities in sustainability fields for young adults and high school students, focusing on populations with highest unemployment rates.	Medium term	DOEE	●●●●
EC2.4	Track the economic impact of jobs in sustainability on the local economy.	Short term	DOEE, OP	●●●●

📖 EDUCATION

	Goal 1: Ensure that every student in the District graduates with the knowledge to protect and restore their local environment.			
	Target 1: By 2032, teach 100% of children in the District about environmental and sustainability concepts.			
ED1.1	Modernize all public school buildings, recreation centers, and libraries to reduce their environmental footprint and integrate sustainable and healthy practices into their operations.	Medium term	DGS, DCPL	●●●●
ED1.2	Implement a program to encourage all District schools to adopt healthy, green, and sustainable practices.	Long term	DOEE, OSSE	●●●●
ED1.3	Implement the Environmental Literacy Plan.	Short term	OSSE	●●●●
ED1.4	Provide adequate support so that every student will have access to meaningful environmental experiences in elementary, middle, and high school.	Long term	DOEE, OSSE	●●●●
ED1.5	Provide dedicated scholarship funding to allow District residents of color to major in sustainability programs in higher education.	Long term	EOM	●●●●
	Goal 2: Expand community education and engagement on sustainability practices that will help residents live green lifestyles and save money.			
	Target 2: By 2032, leverage resources to expose 100% of District residents living in underserved and underrepresented communities to sustainability events and initiatives in their neighborhood.			
ED2.1	Increase District residents' awareness of sustainable living using culturally-relevant and community-driven materials.	Short term	DOEE	●●●●
ED2.2	Increase participation of people of color in Sustainable DC community events, planning efforts, and implementation of programs and policies.	Short term	DOEE	●●●●
ED2.3	Recognize residents and community leaders for their sustainability achievements with awards and in public sustainability campaigns.	Short term	DOEE	●●●●
ED2.4	Develop a list of actions that residents should take to help reach our sustainability goals based on data.	Short term	DOEE	●●●●
ED2.5	Create and promote accessible opportunities for adults to learn and build connections to the natural world.	Short term	DOEE	●●●●

🔌 ENERGY

	Goal 1: Improve the efficiency of District-wide energy use to reduce overall consumption.			
	Target 1: By 2032, cut per capita energy use District-wide by 50%.			
EN1.1	Expand regular tracking and disclosure of energy performance.	Short term	DOEE	●●●●
EN1.2	Establish a Building Energy Performance Standard for existing large buildings.	Short term	DOEE	●●●●
EN1.3	Replace all street and public lighting with high efficiency fixtures that protect public health, reduce light pollution, and don't harm wildlife.	Short term	DDOT	●●●●
EN1.4	Fully fund, implement, and regularly update the Clean Energy DC Plan, the plan to achieve the District's greenhouse gas reduction goals.	Medium term	DOEE	●●●●
EN1.5	By 2020, launch a citywide educational and behavioral campaign to lower citywide energy use and expand awareness of the District's resources for efficiency and renewable energy.	Short term	DOEE	●●●●
EN1.6	Launch a program to accelerate deep energy retrofits in at least 20% of all buildings.	Short term	DOEE	●●●●

SUSTAINABLE DC 2.0 DETAILED PROGRESS

	ACTION	TIME FRAME	LEAD AGENCY	PROGRESS
	Goal 2: Increase the proportion of energy sourced from both clean and renewable supplies.			
	Target 2: By 2032, increase renewable energy to make up 50% of the District's energy supply.			
EN2.1	Reduce the use of fossil fuels for electricity generation and heating, and eliminate the dirtiest fuels by 2023.	Medium term	DOEE	●●●●
EN2.2	Build and support commercial and residential renewable energy projects sufficient to get at least 5 percent of citywide electricity from local generation.	Long term	DOEE	●●●●
EN2.3	Provide residents with renewable energy by default, sourced from regional wind and solar farms by 2023.	Medium term	DOEE	●●●●
EN2.4	Expand the use of renewable sources of heating and cooling.	Ongoing	DOEE	●●●●
	Goal 3: Modernize energy infrastructure for improved efficiency and resilience.			
	Target 3: By 2032, 100% of residents live within walking distance of a facility offering clean backup power to serve critical needs during power outages.			
EN3.1	Use smart meters and smart grid infrastructure to collect data on electricity use.	Ongoing	DOEE	●●●●
EN3.2	Improve the reliability and resilience of the transmission and distribution of electricity, using smart grid technologies and distributed energy resources.	Medium term	DOEE	●●●●
EN3.3	Remove all barriers to modernizing electricity infrastructure to enable the deployment of neighborhood-scale energy systems and distributed energy resources.	Medium term	DOEE	●●●●
EN3.4	By 2020, complete and begin implementing a neighborhood-scale energy system development plan to target high load growth areas and at risk communities.	Short term	DOEE	●●●●
FOOD				
	Goal 1: Expand agricultural uses and production within the District.			
	Target 1: By 2032, put 20 additional acres, including public right of way and rooftops, under cultivation for growing food.			
FD1.1	Implement the "Urban Farming and Food Security Act" and expedite the process to make public and private lands available for a variety of urban agriculture uses.	Short term	DGS, DPR, DOEE	●●●●
FD1.2	Develop food-producing landscaping on five acres of District public spaces distributed throughout all eight wards.	Medium term	DGS	●●●●
FD1.3	Develop and support school gardens and garden-based food system education to engage DCPS and charter school students.	Short term	OSSE	●●●●
	Goal 2: Ensure that all residents have access to affordable, quality, and nutritious food.			
	Target 2: By 2032, ensure that 75% of low-income residents live within a quarter mile of a quality full-service grocery store, with a focus on underserved communities.			
FD2.1	Identify and implement effective, innovative policies to recruit quality, full-service grocery stores to underserved areas.	Medium term	DCFPC, OP, DMPED	●●●●
FD2.2	Provide financial support and technical assistance to small retailers and mobile food vendors to expand healthy, culturally-appropriate food options for neighborhoods with limited access to fresh and healthy food.	Short term	DSLBD	●●●●
FD2.3	Expand and promote food assistance programs at grocery stores, farmers markets, and corner stores citywide.	Medium term	DC Health	●●●●
FD2.4	Support evidence-based nutrition and cooking education efforts across all populations to help residents make healthier choices.	Short term	DC Health	●●●●
FD2.5	Implement the Nutrition Education Plan to make nutrition education as comprehensive as possible and to nurture students' healthy eating habits.	Medium term	OSSE	●●●●
FD2.6	Improve the quality of institutional food grown or purchased with District local funds, including in DCPS and public charter schools, childcare centers, jails, homeless shelters, and other institutional settings.	Medium term	DCFPC	●●●●
	Goal 3: Develop and support the food industry as a vibrant and equitable sector of the local economy.			
	Target 3: By 2032, expand the food sector of the economy by 2,000 jobs that pay a living wage, offer safe working conditions, promote sustainability, and increase healthy food access for residents.			
FD3.1	Complete a comprehensive study of the District's food system and recommend policies to improve the current system.	Ongoing	DCFPC, OP	●●●●
FD3.2	Collaborate regionally on the creation of a local food hub and other facilities for aggregation, processing, and distribution of local food products.	Medium term	DCFPC, DMPED	●●●●
FD3.3	Develop a citywide workforce development strategy focused on expanding food sector jobs that promote public health and fair working conditions.	Medium term	DCFPC, OP, DOES, WIC	●●●●

SUSTAINABLE DC 2.0 DETAILED PROGRESS

	ACTION	TIME FRAME	LEAD AGENCY	PROGRESS
	Goal 4: Prevent, reduce, and recover food waste.			
	Target 4: By 2032, reduce food waste by 60%.			
FD4.1	Conduct a food waste assessment to identify the types and quantities of food that are thrown away in the District.	Medium term	DPW	●●●●
FD4.2	Educate businesses and institutions on how to prevent food waste, recover unused food, and understand liability protections.	Medium term	DPW, DCFPC	●●●●
FD4.3	Incentivize food donations by businesses, schools, and institutions through policy changes.	Medium term	OTR, DME	●●●●
FD4.4	Educate residents and food related businesses on proper buying, storing, and disposing of food to minimize waste.	Medium term	DCFPC, DPW	●●●●





HEALTH






	Goal 1: Provide residents with resources to achieve healthy, active lifestyles, regardless of income, ability, employment, or neighborhood.			
	Target 1: By 2032, 65% of residents get at least 150 minutes per week of physical activity.			
HE1.1	Collect data at parks and recreation centers, particularly in areas of low-use and low income, to improve planning and programming decisions.	Short term	DPR	●●●●
HE1.2	Prioritize community-driven strategies to support physical activity in unexpected but everyday spaces.	Medium term	DPR	●●●●
HE1.3	Design parks, open spaces, and recreational facilities to reflect the resident preferences and culture of the local population, and to accommodate a range of age groups and abilities.	Long term	DPR	●●●●
	Goal 2: Provide high quality, safe, and sustainable places to be healthy and active.			
	Target 2: By 2032, reduce disparities in the quality of places contributing to disparate health outcomes by 15%.			
HE2.1	Complete a new study on the intersection between the built environment and health to understand the social, environmental, and economic barriers to healthy outcomes.	Short term	OP, DC Health	●●●●
HE2.2	Eliminate the human health impacts of contaminated sites in Washington DC and identify areas where new authority is required.	Long term	DOEE	●●●●
HE2.3	Improve public safety through the development and implementation of resident-driven design, programming, and maintenance of streetscapes, parks, and other public spaces.	Medium term	DPR, OP, DDOT	●●●●
HE2.4	Audit and eliminate environmental health threats (mold, lead, and carbon monoxide) in 100% of Washington DC's public housing.	Long term	DCHA	●●●●
HE2.5	Develop an interagency heat management strategy to minimize the injury rate associated with extreme cold and heat temperature days.	Short term	HSEMA, DOEE	●●●●
	Goal 3: Improve population health by systematically addressing the link between community health and place, including where we are born, live, learn, work, play, worship, and age.			
	Target 3: By 2032, reduce racial disparities in life expectancy by 50%.			
HE3.1	Evaluate Health Impact Assessments as a tool for promoting health through new policies, practices, developments and renovations.	Medium term	DC Health, OP	●●●●
HE3.2	Study healthy community design principles for inclusion in all new affordable housing projects and major retrofits.	Short term	DHCD	●●●●
HE3.3	Launch a comprehensive multi-level health literacy campaign across the District.	Short term	DC Health	●●●●
HE3.4	Increase public awareness campaigns concerning how to prevent bites and control diseases spread by mosquitoes, ticks, and fleas in all communities.	Ongoing	DC Health, DOEE	●●●●

NATURE

	Goal 1: Protect, restore, and expand aquatic ecosystems.			
	Target 1: By 2032, protect, restore, and create 1,000 acres of critical aquatic habitat.			
NA1.1	Develop a Wetland Registry to facilitate restoration or creation of wetland habitat.	Long term	DOEE	●●●●
NA1.2	Plant and maintain an additional 150 acres of wetlands in targeted Conservation Opportunity Areas.	Long term	DOEE	●●●●
NA1.3	Partner with developers to incorporate living shorelines in waterfront developments.	Short term	DOEE	●●●●
NA1.4	Reduce threats to 75 aquatic species of greatest conservation need.	Long term	DOEE	●●●●

SUSTAINABLE DC 2.0 DETAILED PROGRESS

	ACTION	TIME FRAME	LEAD AGENCY	PROGRESS
	Goal 2: Protect, restore, and expand land ecosystems.			
	Target 2: By 2032, restore, protect, create, or improve 2,000 acres of critical land habitat.			
NA2.1	Plant and maintain 10,500 new trees per year in priority areas to achieve 40% tree canopy cover by 2032.	Ongoing	DDOT	●●●●
NA2.2	Remove invasive plants on 500 acres of critical habitat based on a strategic management plan.	Medium term	DOEE	●●●●
NA2.3	Create or restore a minimum of 200 acres of meadow habitat.	Long term	DOEE	●●●●
NA2.4	Incorporate biodiversity and the use of native plants in green infrastructure on District Government land.	Short term	DOEE, DDOT	●●●●
NA2.5	Create a habitat connectivity plan to guide restoration of viable, native habitats throughout Washington DC and in coordination with surrounding jurisdictions.	Short term	DOEE	●●●●
NA2.6	Require the District Government to use native plants and trees in all landscaping and green infrastructure outside the roadway right-of-way.	Short term	DOEE	●●●●
	Goal 3: Improve human access to and stewardship of nature.			
	Target 3: By 2032, provide access to the natural environment or quality green space within a 10-minute walk of all residents.			
NA3.1	Improve the formal trail network for hiking and biking—prioritizing areas east of the Anacostia River—while balancing protection of habitat.	Medium term	DDOT	●●●●
NA3.2	Increase the number of “nature play spaces” at District playgrounds.	Medium term	DPR	●●●●
NA3.3	Create or improve small parks and natural spaces in underserved areas.	Short term	DPR	●●●●
NA3.4	Provide informational resources on backyard wildlife habitats, native plant gardening, container and vertical gardening, and creating pollinator habitats.	Short term	DOEE	●●●●
NA3.5	The District Government will incorporate nature into the places we live, play, and work, to reduce stress and improve health—known as biophilic design.	Medium term	DOEE	●●●●

 TRANSPORTATION				
	Goal 1: Improve connectivity and accessibility through efficient, integrated and affordable transit systems.			
	Target 1: By 2032, increase use of public transit to 50% of all commuter trips in all wards.			
TR1.1	Expand high capacity transit on high ridership corridors.	Medium term	DDOT, WMATA	●●●●
TR1.2	Improve transit connections to employment and activity centers from underserved areas.	Medium term	DDOT	●●●●
TR1.3	Define and secure permanent funding for transit planning and improvements.	Short term	DDOT	●●●●
TR1.4	Develop design guidelines to ensure transit systems are resilient to climate change.	Medium term	DDOT	●●●●
TR1.5	Identify and remove the obstacles to families taking transit.	Medium term	DDOT	●●●●
	Goal 2: Expand safe, connected infrastructure for pedestrians and cyclists.			
	Target 2: By 2032, increase biking and walking to 25% of all commuter trips in all wards.			
TR2.1	Develop and maintain a safe and convenient citywide bicycle lane and trail network.	Long term	DDOT	●●●●
TR2.2	Grow the Capital Bikeshare program so that 75% of District residents have access to a station within a quarter mile of their home.	Medium term	DDOT	●●●●
TR2.3	Increase bike, scooter and pedestrian safety education for drivers, cyclists, and pedestrians and enforce laws protecting those who walk and use scooters and bicycles.	Ongoing	DDOT	●●●●
TR2.4	Collect data to improve understanding of cyclist and pedestrian travel patterns.	Short term	DDOT, OCTO	●●●●
TR2.5	Program crosswalks and traffic lights for improved safety and convenience of pedestrians, prioritizing children, older adults, and people with disabilities.	Short term	DDOT	●●●●
TR 2.6	Ensure sidewalks are in good repair on at least 90% of District streets, prioritizing new sidewalk construction in pedestrian priority areas such as schools, parks, transit stops, and retail corridors.	Medium term	DDOT	●●●●

	ACTION	TIME FRAME	LEAD AGENCY	PROGRESS
🏆 Goal 3: Enhance affordable, convenient transportation options to reduce dependency on single occupant vehicles.				
🎯 Target 3: By 2032, reduce commuter trips made by car to 25%.				
TR3.1	Encourage carpooling and carsharing.	Short term	DDOT	●●●●
TR3.2	Encourage private businesses to offer incentives to employees for transit, biking, and walking.	Medium term	DOEE, DDOT, DOES	●●●●
TR3.3	Complete a study to understand the best strategies for reducing congestion for all without unfairly burdening residents with low incomes.	Medium term	DDOT, DOEE	●●●●
TR3.4	Develop a strategy in response to autonomous vehicles.	Short term	DDOT	●●●●
TR3.5	Encourage and promote telecommuting and alternative work schedules for District Government employees.	Short term	DCHR	●●●●
🏆 Goal 4: Reduce greenhouse gas emissions and air pollution from the transportation sector.				
🎯 Target 4: Reduce greenhouse gas emissions from transportation by 60%.				
TR4.1	Strictly limit idling engines.	Short term	DOEE	●●●●
TR4.2	Require the District Government to purchase green fleet and passenger vehicles.	Medium term	DPW, MPD, OSSE	●●●●
TR4.3	Encourage network of electric vehicle charging stations throughout the city.	Medium term	DOEE, DDOT	●●●●
TR4.4	Fully electrify District-controlled buses, and work with regional bus systems to reduce regional bus emissions.	Medium term	DOEE	●●●●

🗑️ WASTE

🏆 Goal 1: Reduce waste generated per capita in the District.

🎯 Target 1: By 2032, reduce per capita waste generation by 15%.

WS1.1	Develop a comprehensive Zero Waste plan with the objective of decreasing all citywide waste streams and achieving source reduction goals.	Short term	DPW	●●●●
WS1.2	Study the feasibility of an equitably priced collection billing structure (like Save-As-You-Throw).	Short term	DPW	●●●●
WS1.3	Expand current bans and fees on waste products like expanded polystyrene and disposable bags.	Medium term	DOEE	●●●●
WS1.4	Work with surrounding jurisdictions to develop and implement a regional approach to reducing plastic waste.	Long term	DOEE, DPW	●●●●
WS1.5	Increase purchases of Environmentally Preferable Products and Services.	Short term	OCP, DOEE	●●●●

🏆 Goal 2: Facilitate local reuse and recovery of materials to capture their economic and social value.

🎯 Target 2: By 2032, reuse 20% of all waste produced in the District.

WS2.1	Reuse or recycle 50% of all commercial construction waste.	Medium term	DOEE	●●●●
WS2.2	Reuse 5% of total non-hazardous residential building materials.	Long term	DOEE	●●●●
WS2.3	Develop a greenhouse gas impact calculator for specific waste streams to support the development of a circular economy and guide further policy development.	Short term	DOEE	●●●●
WS2.4	Support the development of a locally based, circular economy by facilitating the separation of waste into commodity streams.	Short term	DOEE	●●●●

🏆 Goal 3: Achieve zero waste citywide.

🎯 Target 3: By 2032, achieve 80% waste diversion citywide without the use of landfills, waste-to-energy or incineration.

WS3.1	Provide District Government-served households with three, right-sized bins for collecting compostable materials, recyclable items, and trash.	Medium term	DPW	●●●●
WS3.2	Establish a new organics processing facility (composting, anaerobic digestion, or co-digestion pre-processing) in the District to capture food and other organic waste.	Medium term	DPW	●●●●
WS3.3	Increase the number of co-located (trash and recycling) receptacles that are publically accessible.	Medium term	DPW	●●●●
WS3.4	Aggressively enhance educational resources and outreach campaigns that educate residents, workers and visitors on waste minimization, recycling, and composting.	Short term	DPW	●●●●
WS3.5	Expand Washington, DC's product stewardship program to include additional product streams.	Medium term	DOEE	●●●●
WS3.6	Bolster enforcement efforts to ensure that commercially-served businesses and multifamily buildings comply with the requirements to provide adequate and timely on-site recycling and trash collection.	Medium term	DPW	●●●●

	ACTION	TIME FRAME	LEAD AGENCY	PROGRESS
WATER				
Goal 1: Improve the quality of waterways to standards suitable for fishing and swimming.				
Target 1: By 2032, make 100% of District waterways fishable and swimmable.				
WT1.1	Encourage reduced use of personal care products, pesticides, and fertilizers that contain existing and emerging contaminants.	Long term	DOEE	●●●●
WT1.2	Create and adopt a salt management strategy for snow and ice removal that minimizes the use of road salt, and study alternatives to reduce Washington, DC's reliance on road salt.	Short term	DOEE, DPW	●●●●
WT1.3	Provide education on how people can reduce stormwater pollution through good housekeeping, vehicle maintenance, proper lawn care, and pet waste management.	Medium term	DOEE	●●●●
WT1.4	Develop and implement an Anacostia River remediation work plan that restores fish and wildlife habitat while improving public access to the river.	Long term	DOEE	●●●●
WT1.5	Increase public access to water quality monitoring data for public waterways and develop partnerships to expand the scope of water quality monitoring.	Medium term	DOEE	●●●●
WT1.6	Restore 10 miles of streams in the District.	Long term	DOEE	●●●●
Goal 2: Reduce the volume of stormwater runoff.				
Target 2: By 2032, implement green infrastructure practices to capture, retain, or reuse stormwater from at least 10% of the District's land area.				
WT2.1	Install and maintain four million new square feet of green roof.	Medium term	DOEE, DGS, DCRA	●●●●
WT2.2	Audit 1,200 properties per year via the RiverSmart Homes program and increase participation in areas of the city where enrollment has been historically low.	Ongoing	DOEE	●●●●
WT2.3	Incorporate neighborhood-scale stormwater collection into large-scale planning efforts early in the redevelopment process, including public right of way and parks.	Medium term	DDOT	●●●●
WT2.4	Grow the District's Stormwater Retention Credit Trading program.	Short term	DOEE	●●●●
WT2.5	Streamline and coordinate incentive programs for combined green roofs and solar projects.	Short term	DOEE	●●●●
WT2.6	Pilot a large scale network of green infrastructure with smart controls to better understand performance and inform future project designs.	Medium term	DOEE	●●●●
Goal 3: Reduce demands for potable water and increase rainwater reuse.				
Target 3: By 2032, decrease per capita potable water use by 20%.				
WT3.1	Update the District building codes to increase water-efficiency standards and allow the use of alternative water systems.	Medium term	DCRA	●●●●
WT3.2	Develop incentives for water-efficiency measures in landscaping and buildings.	Long term	DOEE	●●●●
WT3.3	Pilot water efficiency projects in the District Government to lead by example.	Short term	DGS	●●●●
Goal 4: Ensure safe, accessible drinking water.				
Target 4: By 2032, ensure 100% of District residents have access to clean, affordable drinking water.				
WT4.1	Identify and implement the most effective steps to improve the resilience of the drinking water system to natural and human disasters.	Medium term	DC Water, DOEE	●●●●
WT4.2	Eliminate all lead service lines and plumbing from District Government-owned buildings.	Long term	DGS	●●●●
WT4.3	Replace at least 1% of water pipes each year.	Ongoing	DC Water	●●●●
WT4.4	Work with the Washington Aqueduct to ensure that the District's drinking water is of the highest possible quality by protecting source water, addressing emerging contaminants, and upgrading drinking water treatment processes.	Long term	DC Water	●●●●

Clean Energy DC Progress Report

This chart lists progress made on all actions in the Clean Energy DC Plan.
For more details on the ongoing progress, please visit sustainable.dc.gov/progress.

Not Started ●●●●
Initiated ●●●●
Moderate Progress ●●●●
Significant Progress ●●●●
Completed or Institutionalized ●●●●

	ACTION	TIME FRAME	PROGRESS
EQUITY			
EQ.1	Build capacity to plan for equity in all energy actions and programs.	Long term	●●●●
NEW CONSTRUCTION			
NC.1	Establish a path to the phased adoption of net-zero codes between 2021 and 2026.	Medium term	●●●●
NC.2	Provide a net-zero energy incentive package.	Short term	●●●●
NC.3	Issue a net-zero energy innovation request to the Federal Government and regional governments.	Medium term	●●●●
EXISTING BUILDINGS			
Energy Efficiency Incentives and Management			
EB.1	Increase access to building energy performance data for energy efficiency programs.	Short term	●●●●
EB.2	Increase DCSEU flexibility.	Short term	●●●●
EB.3	Provide the incentives necessary to operate a District-wide deep energy retrofit program.	Long term	●●●●
EB.4	Coordinate and centrally track District efficiency and finance programs.	Short term	●●●●
Policy and Program Recommendations			
EB.5	Implement a Building Energy Performance Standard.	Long term	●●●●
EB.6	Drive energy efficiency at tenant build-out.	Medium term	●●●●
EB.7	Encourage the adoption of green leases through education and training.	Short term	●●●●
EB.8	Develop a virtual energy audit program.	Medium term	●●●●
Action on District Government Buildings			
EB.9	Lead by example in District Government operations.	Long term	●●●●
EB.10	Develop and implement a Strategic Energy Management Plan for District Government buildings.	Short term	●●●●
CROSS-CUTTING BUILDING ACTIONS			
Increasing and Improving Access to Funding and Financing			
CCB.1	Establish a Green Bank and increase other funding for energy efficiency and renewable energy projects in new and existing buildings.	Short term	●●●●
CCB.2	Enhance the District's Property Assessed Clean Energy financing program.	Medium term	●●●●
Policy and Program Recommendations			
CCB.3	Ensure code compliance in all buildings through increased investment in robust code enforcement.	Short term	●●●●
CCB.4	Incentivize and require submetering.	Medium term	●●●●
CCB.5	Develop a centralized online platform for residential energy efficiency programs.	Medium term	●●●●
Education and Training			
CCB.6	Maintain an ongoing outreach program to foster and expand awareness, education, and opportunities for collaborating around high-performance buildings.	Short term	●●●●
CCB.7	Partner to support training and certification of building contractors and managers.	Medium term	●●●●
CCB.8	Integrate energy performance information into residential transactions.	Long term	●●●●
Leadership and Catalyzing Change			
CCB.9	Create or leverage existing Mid-Atlantic government leadership groups to accelerate market transition.	Short term	●●●●
CCB.10	Build examples of breakthrough design in government and/or publicly financed buildings.	Short term	●●●●
CCB.11	Recognize leadership with a catalog of best performing buildings and a cohort of local building energy leaders.	Short term	●●●●
CCB.12	Implement a high-performance energy media, outreach, and communications strategy.	Medium term	●●●●
CCB.13	Create a coordinated green jobs and workforce development platform.	Short term	●●●●

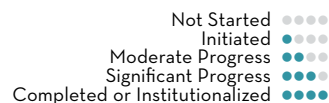
CLEAN ENERGY DC PROGRESS REPORT

	ACTION	TIME FRAME	PROGRESS
	CLEAN AND RENEWABLE ENERGY SUPPLY		
	Renewable Electricity Supply From Outside the District		
CRE.1	Design and manage the RPS to drive renewable energy generation and GHG reductions.	Long term	●●●●
CRE.2	Provide the Standard Offer Service through aggregated power purchase agreements.	Long term	●●●●
CRE.3	Enact legislation that sets a maximum GHG intensity for electricity supplied to the District.	Medium term	●●●●
	Renewable Electricity Supply within the District		
CRE.4	Develop a centralized solar information and commerce platform.	Short term	●●●●
CRE.5	Continue to refine and implement the targeted solar proliferation strategy.	Short term	●●●●
CRE.6	Adopt solar-ready and renewable energy generation building code requirements.	Medium term	●●●●
	Thermal Energy Supply and Distributed Energy Resource Integration within the District		
CRE.7	Undertake a built environment thermal decarbonization study.	Short term	●●●●
CRE.8	Develop a neighborhood-scale energy strategy.	Short term	●●●●
	ENERGY SYSTEM MODERNIZATION		
	Planning and Coordination		
ESM.1	Define a vision of the future grid and characterize the stages of grid modernization.	Short term	●●●●
ESM.2	Adopt a framework for valuing distributed energy resource costs and benefits.	Short term	●●●●
ESM.3	Support the collaborative development of an integrated distribution plan.	Medium term	●●●●
ESM.4	Intervene in Public Service Commission proceedings related to grid modernization.	Long term	●●●●
	Analysis of the Electricity System Needs and Capabilities		
ESM.5	Outline a path to overcome legislative and regulatory barriers to grid modernization.	Short term	●●●●
ESM.6	Conduct a hosting capacity study of the District's distribution grid.	Short term	●●●●
ESM.7	Develop a location-based profile of energy use and GHG emissions.	Short term	●●●●
	Immediate "No-Regrets" Actions and Proof of Concept Projects		
ESM.8	Generate, evaluate, and prioritize a list of actions that can be taken immediately.	Short term	●●●●
ESM.9	Leverage existing advanced metering infrastructure data.	Short term	●●●●
ESM.10	Identify near-term projects that should be coordinated with grid modernization activities.	Short term	●●●●
ESM.11	Pursue pilot projects related to key modernization capabilities and technologies.	Short term	●●●●
	ELECTRIC VEHICLES		
	Electric Vehicle Readiness		
EV.1	Adopt an EV-ready building code.	Short term	●●●●
EV.2	Adopt an EV-ready parking lot requirement.	Short term	●●●●
	Electric Vehicle Adoption		
EV.3	Implement an EV bulk buy program.	Short term	●●●●
EV.4	Establish an EV Showcase and Purchase Center.	Short term	●●●●
EV.5	Provide an EV purchase incentive.	Short term	●●●●
EV.6	Pursue an EV-only car sharing fleet.	Medium term	●●●●
	Shifting to Zero Emission Transit Vehicles		
EV.7	Set target for reducing transit bus emissions 65% per vehicle mile by 2032.	Short term	●●●●
EV.8	Pursue funding options to subsidize electric transit buses, and electric charging infrastructure.	Short term	●●●●
	Anticipating Electric Autonomous Ride-hailing Vehicles		
EV.9	Prepare for reduced parking demand near activity centers.	Medium term	●●●●
EV.10	Provide financial incentives encouraging shared autonomous vehicle travel.	Long term	●●●●
EV.11	Adjust approaches to managing curb space.	Medium term	●●●●

Climate Ready DC Detailed Progress


This chart lists progress made on all actions in the Climate Ready DC Plan.

For more details on the ongoing progress, please visit sustainable.dc.gov/progress.



	ACTION	TIME FRAME	LEAD AGENCY	PROGRESS
	TRANSPORTATION + UTILITIES			
	Goal: Improve the transportation and utility infrastructure to maintain viability during periods of extreme heat, severe weather and flooding.			
TU 1.0	Develop site-level adaptation plans for all facilities and service areas identified as at-risk from sea level rise and flooding.			
TU 1.1	Identify at-risk facilities and develop adaptation or retirement plans for those facilities, prioritizing upgrades based on the age and criticality of the assets as well as their vulnerability.	Short term	HSEMA	●●●●
TU 1.2	Conduct near-term (2020s) and long-term flooding (2050s+) evaluations for at-risk facilities based on projected increases in extreme precipitation and storm surges as well as permanent inundation due to sea level rise.	Short term	HSEMA	●●●●
TU 2.0	Increase the resilience of energy systems.			
TU 2.1	Conduct distribution system planning in order to identify the best strategies for stabilizing the power grid with distributed energy resources including storage, renewable energy and micro-grids capable of islanding. Prioritize locations that could provide backup power to critical facilities, or alleviate congestion on the distribution grid.	Long term	DOEE	●●●●
TU 2.2	Ensure that climate risks are considered in utility rate cases for investments in new and upgraded infrastructure. Flood proof and/or elevate electric infrastructure including, but not limited to, substations, transformers, switch gear, etc.	Medium term	DC PSC	●●●●
TU 2.3	Ensure that climate risks are considered in utility rate cases for investments in new and upgraded infrastructure. Flood proof and/or elevate natural gas infrastructure including, but not limited to, pressure regulating stations, odorization equipment, tanks, controls, electric components, etc.	Medium term	Washington Gas	●●●●
TU 2.4	Conduct site-level studies of extreme heat risk to electric grid infrastructure including transformers and overhead transmission and distribution lines. Identify necessary upgrades and mitigation strategies.	Short-Medium term	Pepco	●●●●
TU 3.0	Increase resilience of drinking water, wastewater, and stormwater systems.			
TU 3.1	Update design standards for water and drainage infrastructure to address the projected increase in intensity of precipitation.	Medium term	DOEE	●●●●
TU 3.2	Increase combined sewer and separate stormwater system capacity with green and gray infrastructure, including raingardens, green roofs, trees, cisterns, and pervious pavement. Focus first on areas that flood regularly, have steep topography, or have known drainage capacity issues.	Long term	DOEE	●●●●
TU 3.3	In order to prevent hazardous water pollution in the event of flooding, identify facilities with hazardous materials, hazardous wastes, and brownfield sites in flood risk areas. Work with owners to develop prevention and response plans for potential flooding risks.	Medium term	DOEE	●●●●
TU 3.4	Reduce water demand and increase combined sewer system capacity with water recycling and reuse. Explore the use of distributed rainwater harvesting and gray/black water recycling to reduce demand on potable water systems during shortages or disruptions.	Long term	DOEE	●●●●
TU 3.5	Flood proof critical components of drinking water infrastructure including, but not limited to, pumping stations, raw water reservoirs, finished water storage, waste treatment facilities, building infrastructure, access roads, etc. Implement backflow prevention techniques.	Medium term	DC Water	●●●●
TU 3.6	Flood proof critical stormwater and combined sewer infrastructure including, but not limited to, pumping stations, inlets and outlets. Implement backflow prevention techniques.	Medium term	DOEE, DC Water	●●●●
TU 4.0	Increase resilience of communication systems.			
TU 4.1	Expand the initial findings and recommendations of the Climate Ready DC report with a comprehensive vulnerability assessment of the AM/FM, TV, cellular communication and internet systems.	Short term	DC PSC	●●●●
TU 5.0	Increase resilience of transportation systems.			
TU 5.1	Continue and expand efforts to mitigate flooding of the Metrorail system.	Medium term	WMATA	●●●●
TU 5.2	Identify alternate evacuation routes for roads and bridges identified as vulnerable to flooding and/or sea level rise.	Short term	DDOT	●●●●
TU 5.3	Update design standards for roads and transit infrastructure to account for projected extreme temperatures and extreme precipitation events. Ensure all street tree boxes are filled and that large shade trees are planted in tree boxes where possible.	Long term	DDOT	●●●●
TU 5.4	Evaluate existing bridges' expansion joints and design for resilience to extreme temperatures.	Medium term	DDOT	●●●●
TU 5.5	Evaluate vertical clearance for bridges on waterways based on sea level rise projections.	Medium term	DDOT	●●●●

CLIMATE READY DC DETAILED PROGRESS

	ACTION	TIME FRAME	LEAD AGENCY	PROGRESS
	BUILDINGS & DEVELOPMENT			
	Goal: Upgrade existing buildings and design new buildings and development projects to withstand climate change impacts.			
BD 6.0	Provide back-up power for emergencies at all identified critical facilities. Ensure that existing back-up power systems are located above projected flood elevations.			
BD 6.1	Evaluate the most critical facilities to identify those with or without existing back-up power systems; determine if they are above flood elevations, in good working order, and provide the appropriate capacity for that facility type.	Medium term	HSEMA	●●●●
BD 6.2	Flood proof the most critical facilities to protect against future events accounting for sea level rise and increasingly severe precipitation events.	Long term	DGS	●●●●
BD 7.0	Improve thermal safety + indoor building temperatures to increase resilience to extreme heat, especially in the event of a power outage.			
BD 7.1	Incorporate recommendations/requirements for improving thermal safety in residential and building codes through the use of passive cooling strategies.	Short term	DCRA	●●●●
BD 7.2	Identify existing residential building typologies (e.g., high rises, garden style) where residents are at highest risk during extreme heat events and develop policies to support and encourage retrofits and upgrades.	Medium term	DOEE	●●●●
BD 7.3	Expand existing incentive programs to include thermal safety and urban heat island mitigation measures such as cool roofs, solar shading, and shade trees.	Short term	DOEE	●●●●
BD 7.4	Evaluate the public housing portfolio for vulnerability to extreme heat and flooding and incorporate resilience	Short term	DCHA	●●●●
BD 8.0	Pursue deep energy and water efficiency for all buildings.			
BD 8.1	Continue to pursue energy efficiency for all commercial and residential buildings through incentive programs, building codes, and financing to increase grid stability by reducing energy demand at peak periods and during extreme events.	Short term	DCRA	●●●●
BD 8.2	Consider developing a post occupancy energy optimization and retro-commissioning program for new and existing buildings to provide training and incentives to ensure the actual efficiency potential constructed into buildings is realized.	Medium term	DOEE	●●●●
BD 8.3	Develop incentives, training and technical assistance programs for significant water use reductions including rainwater	Medium term	DOEE	●●●●
BD 9.0	Incorporate climate resilience into development planning and review processes.			
BD 9.1	Develop climate resilience guidelines for new development projects	Short term	DOEE	●●●●
BD 9.2	Evaluate sequencing of agency approvals for new building development projects to determine the best point at which to incorporate flood review	Short term	DCRA	●●●●
BD 9.3	Assess feasibility of district energy and/or micro grids and district stormwater management for all large development projects.	Medium term	DOEE	●●●●
BD 9.4	Require all planned unit developments, large tract review, and publicly financed projects to complete an adaptation checklist based on BD 91.	Medium term	OP	●●●●
BD 10.0	Leverage land-use planning to promote resilience.			
BD 10.1	Conduct a citywide analysis of flood zones to understand the impact of setbacks, buffers, and zoning and land use policies on existing and future developments.	Short term	DOEE	●●●●
BD 10.2	Incorporate climate resilience into the District's Comprehensive Plan.	Short term	OP	●●●●
BD 10.3	Propose amendments to floodplain regulations and zoning and land use policies to ensure that waterfront setbacks and buffers allow for future sea-level rise, changes in precipitation patterns, sustainable landscaping practices, erosion, and reduce flood risks.	Medium term	DOEE	●●●●
BD 10.4	Develop a set of flood resilience guidelines for the 500-year floodplain in addition to those existing for the 100-year floodplain for new development and substantial improvements.	Medium term	DOEE	●●●●
BD 10.5	Propose regulations that limit the development of new critical facilities including hospitals, emergency services, shelter facilities and critical infrastructure systems within the 500-year floodplain.	Medium term	DOEE	●●●●
BD 10.6	Identify buildings in the current 500-year floodplain and create design guidelines for retrofitting the various typologies of buildings.	Medium term	DOEE	●●●●

CLIMATE READY DC DETAILED PROGRESS

	ACTION	TIME FRAME	LEAD AGENCY	PROGRESS
BD 11.0	Provide incentives to encourage private property owners and developers to implement flood resiliency measures.			
BD 11.1	Increase public awareness of flood risks and flood insurance. Offer rebates or grants for flood resiliency measures such as removable flood barriers, dry and wet flood proofing (for nonresidential buildings), elevation (for residential buildings) in vulnerable areas, and wastewater backup valves.	Medium term	DOEE	●●●●
BD 11.2	Explore the use of buyouts and relocation for flood-prone properties in order to minimize flooding threats to residents.	Medium term	DOEE	●●●●
BD 11.3	Explore the use of tax credits for conservation of floodplains and natural buffers, such as wetlands and riverbank tree planting, in vulnerable areas.	Medium term	DOEE	●●●●
BD 11.4	Provide guidelines and encourage developers to consider resilience measures as community benefits for planned unit developments, large tract developments, and similar projects.	Short term	OP	●●●●
	GOVERNANCE & IMPLEMENTATION			
	Goal: Establish the policies, structures, and monitoring and evaluation procedures to ensure successful implementation of the adaptation plan.			
GI 16.0	Conduct additional analysis of climate vulnerability and adaptation strategies based on current gaps and to account for the latest climate science.			
GI 16.1	Develop and periodically update comprehensive flood modeling for the District that translates the projections for future sea level rise and extreme precipitation into updated flooding extents and depths for riverine, coastal, and interior flooding.	Short term	HSEMA	●●●●
GI 16.2	Monitor annually the current climate change science regarding impacts that were not comprehensively addressed by the climate change projections, including extreme cold, wind/storms, drought, and groundwater.	Short term	DOEE	●●●●
GI 16.3	Support efforts by infrastructure owners including WMATA, DC Water, Pepco, Washington Gas, and telecommunication providers to conduct more in-depth climate vulnerability assessments of their systems.	Medium term	DOEE	●●●●
GI 17.0	Align Climate Ready DC with related planning efforts including hazard mitigation, comprehensive land-use, comprehensive energy, and capital budget planning.			
GI 17.1	Incorporate long-term energy resilience planning into the five-year Comprehensive Energy Plan.	Short term	DOEE	●●●●
GI 17.2	Integrate climate change adaptation into the District's Hazard Mitigation Plan and related emergency planning efforts.	Short term	HSEMA	●●●●
GI 17.3	Develop climate change resilience guidelines for all capital projects to ensure that public facilities are resilient to extreme heat, floods, and severe weather. Incorporate climate impact assessments into the planning, design, and engineering of capital projects.	Short term	EOM	●●●●
GI 17.4	Add resilience as an element to the Comprehensive Plan for the National Capital District Elements.	Short term	OP	●●●●
GI 17.5	Revise engineering and building standards and codes to address climate change.	Medium term	DCRA	●●●●
GI 17.6	Engage with the Historic Preservation Review Board, Zoning Commissioning, and Public Service Commission, etc. to ensure that projects are allowed/encouraged to incorporate greater resilience during design and permitting.	Short term	DOEE	●●●●
GI 17.7	Incorporate climate risks and adaptation strategies into natural resource and ecosystem planning, including the Wildlife Action Plan, Wetland Conservation Plan, and tree canopy planning.	Short term	DOEE	●●●●
GI 18.0	Establish the necessary structures to ensure successful implementation of Climate Ready DC.			
GI 18.1	Develop a supporting implementation plan for the strategy that identifies lead agencies, timelines, and potential funding sources.	Short term	DOEE	●●●●
GI 18.2	Identify potential sources of funding and financing including emerging financing tools like green/climate bonds. Leverage existing capital budgets (for public and private infrastructure) to implement upgrades over time.	Short term	OCFO	●●●●
GI 18.3	Develop a plan for monitoring and evaluation including the identification of key indicators of climate vulnerability and successful adaptation. Integrate monitoring and evaluation into existing performance management processes.	Short term	DOEE	●●●●

CLIMATE READY DC DETAILED PROGRESS

	ACTION	TIME FRAME	LEAD AGENCY	PROGRESS
GI 18.4	Establish a public-private task force with key stakeholders including community organizations and infrastructure owners and operators to oversee and coordinate implementation of the plan, identify funding opportunities, and develop cross-cutting policy recommendations and design guidelines.	Short term	EOM	●●●●
GI 18.5	Require climate change training for staff responsible for capital infrastructure and large development projects.	Medium term	EOM	●●●●
GI 18.6	Use existing cross-agency, inter-governmental, and regional networks like the DC Silver Jackets to share technical resources and best practices. Establish an ongoing best practices/lessons learned forum that brings together key representatives from each collaborating agency.	Short term	EOM	●●●●
GI 18.7	Develop a system to regularly evaluate sea level rise and changes in the 100-year and 500-year flood plain in order to provide clear guidance to developers and regulators.	Medium term	DOEE	●●●●
GI 18.8	Incorporate health impact analysis in prioritization of transportation projects.	Short term	DDOT, DC Health	●●●●
NEIGHBORHOODS & COMMUNITIES				
Goal: Make neighborhoods and communities safer and more prepared by strengthening community, social, and economic resilience.				
NC 12.0	Improve emergency preparedness and planning with a particular focus on those most vulnerable.			
NC 12.1	Encourage active participation by residents and businesses in disaster preparedness, response, and recovery training programs including the Community Emergency Response Team volunteer program.	Short term	HSEMA	●●●●
NC 12.2	Continue and expand efforts to identify and reach residents with greater vulnerability to climate change impacts including heat and flooding. Provide training to home healthcare, homeless service, and other service providers that engage directly with vulnerable residents.	Short term	DC Health	●●●●
NC 12.3	Identify opportunities to reduce the economic impacts of severe weather and heat related events on vulnerable residents through existing programs and new partnerships to reduce utility bills and make homes more resilient.	Short term	DOEE	●●●●
NC 12.4	Evaluate health risks that are exacerbated by projected climate shifts as well as the cascading consequences of those shifts, including impacts to air quality. Provide training and capacity-building to public health officials to address increased cases of heat stress as well as the potential for increased prevalence of disease-carrying specimens and infectious diseases.	Medium term	DC Health	●●●●
NC 12.5	Improve public awareness of health risks associated with climate change, and strategies for dealing with extreme heat and natural disasters.	Medium term	DC Health	●●●●
NC 12.6	Create a more in-depth assessment of vulnerable populations at the neighborhood level (where they live, what their needs are) to build upon ward-level assessments completed for this study.	Short term	HSEMA	●●●●
NC 13.0	Reduce risks of extreme heat and the urban heat island.			
NC 13.1	Develop thermal mapping of the District to identify urban heat-island hot-spots, vulnerable residents, and areas with the greatest potential for cooling.	Short term	DOEE	●●●●
NC 13.2	Reduce the heat-island effect and related increase in outside air temperatures with cool and living roofs, expanded green space, tree planting, and tree protection efforts, prioritizing hotspots and those areas with the greatest number of heat vulnerable residents. Incorporate heat-island mitigation into planning for green infrastructure, tree canopy, and public space initiatives.	Medium term	DOEE	●●●●
NC 13.3	Evaluate existing cooling centers based on location, accessibility and needs of vulnerable residents. Consider areas for pets, security, sign-language interpreters, child friendly amenities, accessible restrooms, medical assistance, back-up power, sleeping areas, drinking water, and proximity to transit.	Short term	HSEMA	●●●●
NC 13.4	Evaluate and revise existing heat-emergency plan and warning system with community input. Leverage health and temperature data from past events to determine the best activation and warning thresholds. Consider implementing a tiered warning system to account for the increasing severity and duration of heat events.	Medium term	DC Health	●●●●

CLIMATE READY DC DETAILED PROGRESS

ACTION	TIME FRAME	LEAD AGENCY	PROGRESS
NC 14.0 Strengthen community cohesion for safety and resilience.			
NC 14.1 Assess walkability, bikeability, and public transit access in the District in order to reduce the dependence on personal cars and diversify transportation and evacuation options in the event of an emergency. Use Walk Score or Walkability Index as a tool to evaluate priority planning areas and their dependency on transit systems that may be at greater risk due to climate impacts. Prioritize improvement of walkability and connectivity to those areas as part of the update to the Comprehensive Plan.	Short term	OP	●●●●
NC 14.2 Develop or maintain planning policies to support neighborhoods with easy access to fundamental resources including, but not limited to, a mix of food, emergency and health services, basic business services, housing types and cost ranges	Long term	OP	●●●●
NC 14.3 Strengthen and encourage active participation in community-based organizations and expand opportunities for civic engagement and volunteerism. Provide capacity-building and training for community level emergency preparedness and resiliency planning. An example is the Evacuteer Program in New Orleans. See www.evacuteer.org .	Medium term	Serve DC	●●●●
NC 14.4 Encourage healthy lifestyles through the built environment and neighborhood planning. Apply active design to buildings. Encourage walking and biking for transportation. Provide green space that supports community activities and serves as a rain garden to capture slow precipitation runoff. Provide public spaces that encourage the community to come together to pro-actively foster a culture of resilience. Assess health profiles of priority planning areas to determine where the greatest needs are for lifestyle improvements and prioritize activities to support those areas.	Medium term	OP	●●●●
NC 14.5 Leverage climate adaptation implementation projects to advance workforce development objectives and to promote business continuity planning.	Medium term	DOES	●●●●
NC 15.0 Develop eco-resilience districts and community resilience hubs.			
NC 15.1 Leverage ongoing work with neighborhood planning to begin to implement neighborhood-scale resilience solutions including district energy and micro grids, and district stormwater and water reuse systems.	Medium term	OP, DOEE	●●●●
NC 15.2 Explore the creation of Community Resilience Hubs which would locate emergency preparedness and response supplies and training in resilient community facilities, be they privately or publicly owned (e.g., churches, community centers, etc.).	Medium term	DOEE, HSEMA	●●●●
NC 15.3 Provide technical and financial assistance to private entities that provide essential services, including universities, hospitals and affordable housing so that these entities may conduct their own risk assessments. Work with these entities to integrate their risk assessments into the larger plan for the District.	Medium term	HSEMA	●●●●



★ ★ ★	★ ★ ★	★ ★ ★
SUSTAIN ABLE	CLEAN ENERGY	CLIMATE READY
▬	▬	▬
▬	▬	▬
DC	DC	DC

★ ★ ★ DEPARTMENT OF ENERGY & ENVIRONMENT

WE ARE WASHINGTON DC GOVERNMENT OF THE DISTRICT OF COLUMBIA MURIEL BOWSER, MAYOR

sustainable.dc.gov
 doee.dc.gov/cleanenergydc
 doee.dc.gov/climateready
 202.535.2600 | sustainable@dc.gov

@SustainDC
 @SustainableDC
 @DOEE_DC
 #CleanEnergyDC #ClimateReadyDC