

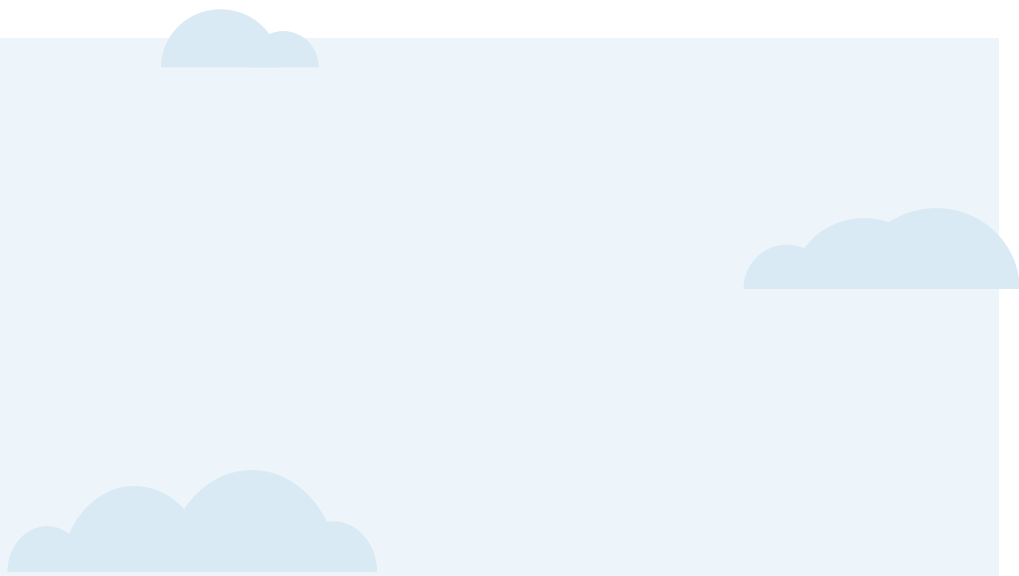
2023 PROGRESS REPORT



★ ★ ★
SUSTAIN
ABLE
DC

★ ★ ★
CLEAN
ENERGY
DC

★ ★ ★
CLIMATE
READY
DC



”

We are using newly developed tools and processes to build a more equitable city and make sure our programs are lifting up the most vulnerable within our community.

MURIEL BOWSER
MAYOR, WASHINGTON, DC



LETTER FROM MAYOR MURIEL BOWSER



Dear Washingtonians:

After the unexpected disruptions of the past few years, we are thankfully now in the midst of DC's comeback. This comeback is possible in large part because of the sustainability and resilience initiatives already embedded throughout the District.

We laid the groundwork for advancing equity, environmental protection, and economic development for the long term, so we are well-equipped to enter this new chapter. In the past year alone, District agencies and our partners have made great strides to expand clean energy, enhance our ability to respond to a changing climate, and ensure the District is the best place to be for generations to come.

This has been accomplished by expanding successful programs and introducing new ones—all in the name of making the District the healthiest, greenest, most livable city for all. At the same time, we are using newly developed tools and processes to build a more equitable city and make sure our programs are lifting up the most vulnerable within our community. Here is a sample of our successes:

- **We launched the FloodSmart Homes pilot program** to support homeowners at risk of flooding by identifying and installing flood resilience upgrades at little to no cost.
- **We released the DC Upward Mobility Action Plan**, allowing residents to visualize how they can use the District's programs to chart pathways to the middle class.
- **We made big strides in advancing electric vehicle goals by publishing a new roadmap**, introducing a permit to facilitate curbside charger installation, announcing a \$17 million charging infrastructure initiative, and securing \$7 million to purchase new electric school buses.

Please join me as we continue to write the story of DC's comeback. We have already proven we can achieve big things when faced with unpredictable hurdles. Now let's show what Washingtonians can do when we come together to implement bold ideas that make our city even more sustainable, equitable, and resilient!

Sincerely,

A handwritten signature in black ink that reads "Muriel Bowser".

Muriel Bowser
Mayor, Washington, DC



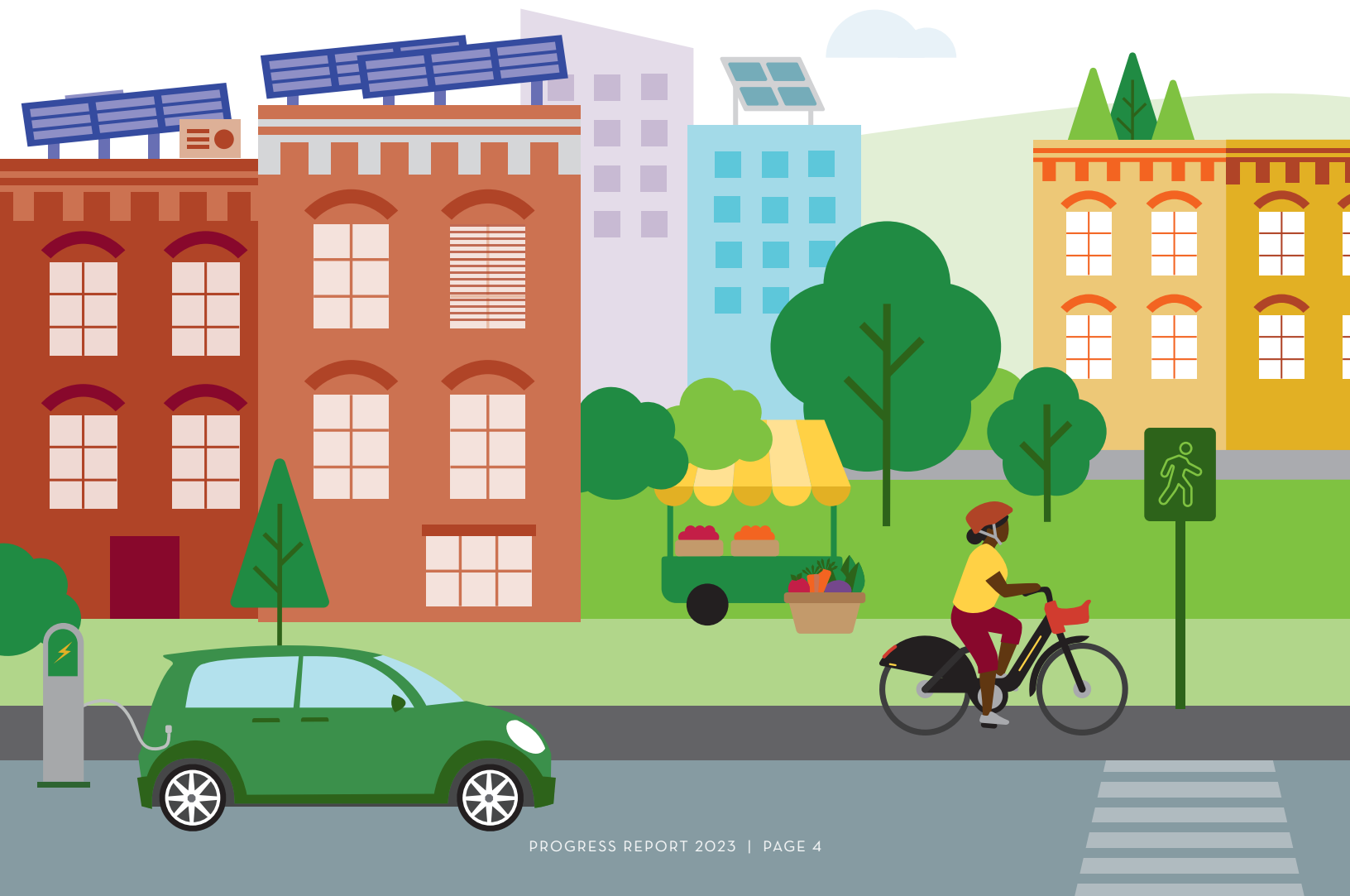
COLLABORATION IS THE KEY TO SUCCESS

The District is home to innovative ideas and visionary people. That's why we have some of the most leading-edge plans, along with agency staff and community members determined to see those plans transformed into reality. When it comes to sustainability, the District's plan is [Sustainable DC 2.0](#), a comprehensive document spanning 13 topics and more than 150 actions on how we advance **equity, environmental protection, and economic development** together. Here's how our sustainability plan propels other initiatives:



Sustainable DC as the Umbrella Plan

Sustainability intentionally covers a wide variety of topics. Since Sustainable DC was originally released in 2013, it has inspired more detailed plans to drill down into the specifics needed to reach our goals, including [Clean Energy DC](#) and [Climate Ready DC](#). **This year's progress report combines key achievements across all three plans to show their interconnected nature.**



Policy Roadmaps

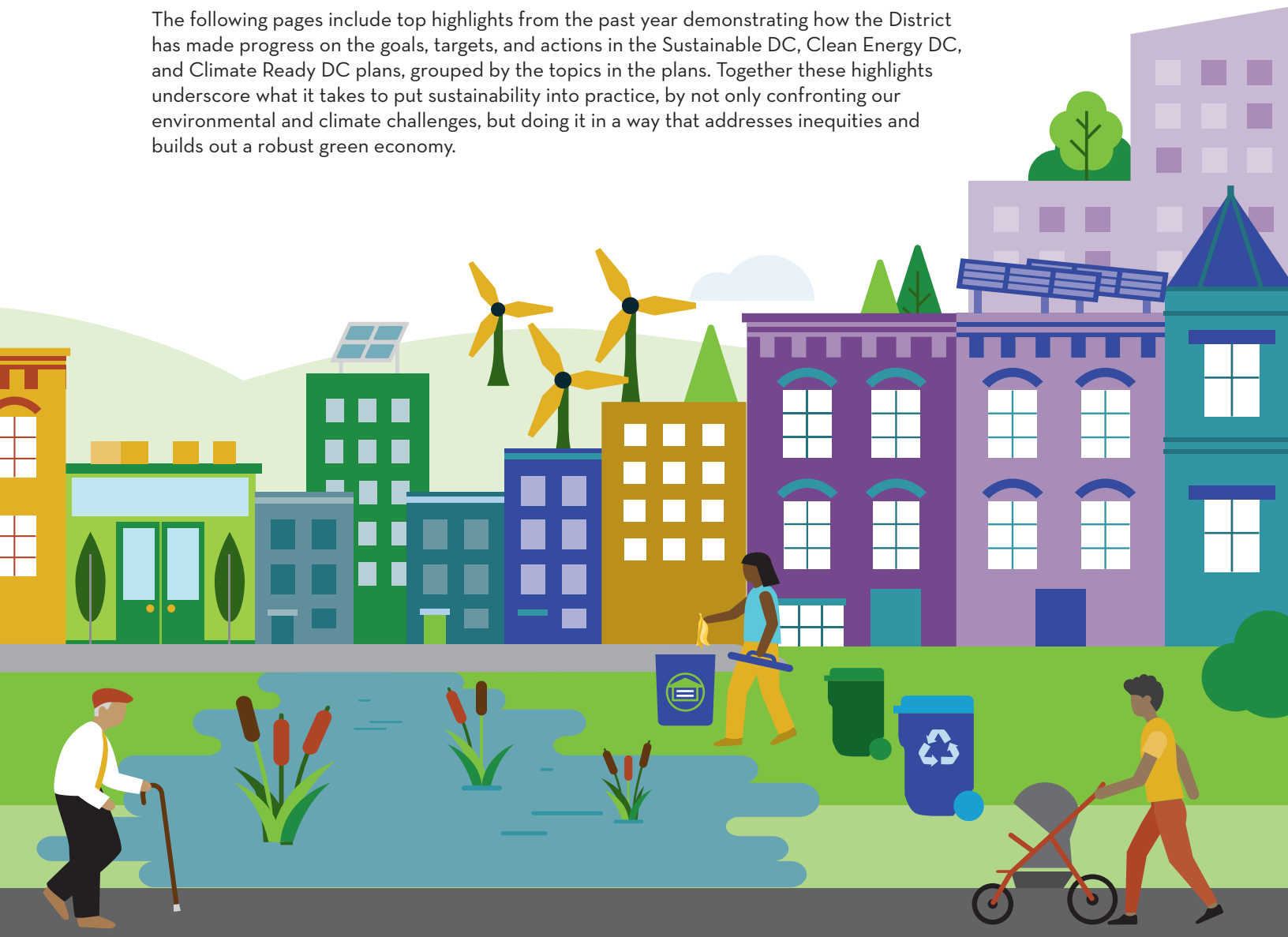
Although geared for government agencies to implement, Sustainable DC, Clean Energy DC, and Climate Ready DC include actions that require policy changes. This past year saw key pieces of legislation passed that will advance goals such as net-zero energy buildings and preserving our tree canopy. Community members also use the plans, and progress reports such as this one, to advocate for policy changes.



Aligned Updates

All plans need a refresh from time to time. Sustainable DC, Clean Energy DC, and Climate Ready DC are all in the beginning stages of updates. These updates are critical for making sure our goals are based on the latest science, reflect community priorities, and are geared to advance equity. Team members leading planning efforts are in close collaboration so updates align well with each other.

The following pages include top highlights from the past year demonstrating how the District has made progress on the goals, targets, and actions in the Sustainable DC, Clean Energy DC, and Climate Ready DC plans, grouped by the topics in the plans. Together these highlights underscore what it takes to put sustainability into practice, by not only confronting our environmental and climate challenges, but doing it in a way that addresses inequities and builds out a robust green economy.





Implementing the Sustainable DC 2.0, Clean Energy DC, and Climate Ready DC plans requires careful thought, commitment, and perseverance from the District Government and collaboration with partners.

Washington Spirit soccer player Anna Heiferty began serving as the Sustainable DC Ambassador, engaging residents on the District’s sustainability efforts and resources available to them.



Sustainable DC began developing a community engagement strategy to identify frontline populations and how to prioritize engagement.



The release of the Sustainable DC, Clean Energy DC, and Climate Ready DC 2022 annual progress reports continued to demonstrate transparency and accountability for each plan’s implementation.

Sustainable DC engaged with Destination DC leadership to strengthen their partnership and coordinate on sustainability efforts impacting the District’s tourism industry.

The DC Build Back Better Infrastructure Task Force finalized recommendations for how to use federal Bipartisan Infrastructure Law funds to implement transformative, equitable, sustainable, and achievable infrastructure projects in the District.

Goal: 100%



98% SUSTAINABLE DC 2.0 UNDERWAY OR COMPLETE

86% of actions are underway (143 actions) and 13% of actions (21 actions) are complete. Source: Sustainable DC



95% CLEAN ENERGY DC UNDERWAY OR COMPLETE

73% of actions are underway (41 actions) and 21% of actions (12 actions) are complete. Source: Clean Energy DC



84% CLIMATE READY DC UNDERWAY OR COMPLETE

75% of actions are underway (57 actions) and 9% of actions (7 actions) are complete. Source: Climate Ready DC



The District must implement the Sustainable DC 2.0, Clean Energy DC, and Climate Ready DC plans so that they advance racial equity while also creating opportunities for historically marginalized residents.

The Mayor’s Office of Racial Equity released the initial draft of the District’s first-ever **Racial Equity Action Plan**, a three-year roadmap that will coordinate the District’s efforts to close racial equity gaps and measure progress toward a more equitable DC.



DOEE produced a suite of **racial equity impact assessment tools** and piloted them with **31 projects** from across the agency to develop strategies and actions that reduce racial inequities and improve success for all groups.



The Department of Energy and Environment (DOEE) issued **lifetime fishing licenses to members of the Piscataway Indian Nation and Piscataway Conoy Tribe** in accordance with the 1666 Articles of Peace and Amity Recognition Amendment of 2020 (D.C. Law 23-221).

The District Department of Transportation (DDOT) refined its **Equity Assessment Tool** used to evaluate a DDOT project, program, or service’s impact on one or more historically under-resourced groups, and continued to explore ways to use the tool beyond its current application during the budget development process.

The Department of Parks and Recreation introduced an **equity statement and equity framework for capital investments prioritization**, through the release of the Ready2Play draft, a 20-year master plan for planning, programming, operations, and investments.



More than 600 District Government staff completed one of the **Mayor’s Office of Racial Equity trainings**, including the “Racial Equity Impact Analysis Tool” training and “Advancing Racial Equity: The Role of Government,” a required training for managers.





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

Mayor Bowser signed the **Clean Energy DC Building Code Amendment Act of 2022**, demonstrating the District’s leadership on sustainable buildings by requiring new construction for most building types to meet a net-zero energy standard beginning in 2027.



The Department of Parks and Recreation started the renovation of **Stead Recreation Center** in Ward 2, which will be the first net-zero energy recreation center in the District.

The Deputy Mayor for Planning and Economic Development and the Office of Planning launched the **Black Homeownership Strike Force**, which developed recommendations to achieve the goal of 20,000 net new Black homeowners by 2030.



The Department of General Services published its **Energy Management Plan** that outlines how District government buildings will come into compliance with Building Energy Performance Standards and delivered the **new net-zero energy ready facility Bard High School**.

The National Oceanic and Atmospheric Administration awarded a grant to the District’s **pilot resilience hub project at the F.H. Faunero Community Enrichment Center** in Ward 7 to establish workforce training and meaningful engagement around climate resilience.



The Office of Planning released the **Pennsylvania Avenue East Small Area Plan**, which lays out the framework for a community-informed vision of a thriving commercial main street where all residents can live, work, eat, and play.





Climate Ready DC is the District's plan to prepare for a changing climate. Guided by Climate Ready 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 Department of Energy and Environment (DOEE) released **Keep Cool DC, the District's extreme heat adaptation strategy**. **Keep Cool DC** is available online in an interactive, digital format, and includes nine overarching strategies the District is pursuing to reduce the urban heat island effect and keep residents safe during extreme heat events.



DOEE launched its **FloodSmart Homes program**, which provides free resilience assessments of homes in the 100-year floodplain to determine which retrofit measures are most needed and would be most cost-effective to improve flood resilience.

The **DC Commission on Climate Change and Resiliency issued its second report**, available at its new website, climatecommission.dc.gov, affirming the substantial progress made by the District to both mitigate and adapt to climate change and identifying new opportunities for future action.



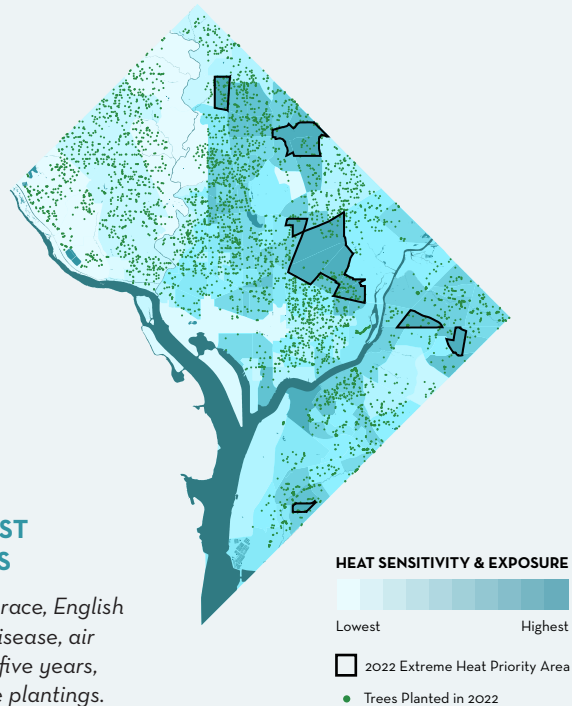
The DC Council passed the **Flood Resilience Amendment Act of 2022**, which authorized DOEE to issue rules designating areas of flood hazard and requiring flood insurance as a condition of occupancy for new and substantially improved buildings in flood hazard locations.

The **DC Flood Task Force approved 11 of its 28 action plans** in 2022, in its mission to identify policies and bolster flood readiness while equitably protecting the District's residents and economy from the damage that floods can cause. These include plans to update floodplain maps, update flood regulations, install flood signs and sensors, develop a list of flood infrastructure projects, and more.

The Homeland Security and Emergency Management Agency secured \$20 million in new funding from the Federal Emergency Management Agency to support the District's efforts **to endure rising sea levels and more severe natural hazards**. This work is timely and urgent as the District has seen increased rainfall and more frequent storms in recent years.

318 TREES PLANTED IN HIGHEST HEAT RISK COMMUNITIES

Extreme heat sensitivity & exposure is based on income, age, race, English proficiency, asthma, disability, obesity, coronary heart, disease, air temperature, impervious surface, and tree canopy. Every five years, we will present tree canopy coverage rather than new tree plantings.





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

The Department of Small and Local Business Development (DSLBD) launched **Certified Business Enterprise (CBE) Green**, a grant program to support CBEs pursuing energy efficiency and other green building market contracts.



The Workforce Investment Council launched **Career Coach DC** to empower District residents to achieve their education and employment goals.

The Department of Energy and Environment's **green workforce programs**, with educational initiatives for K-12, career exploration and work readiness programs, technical skills job training, and leadership development, has served more than 10,000 District residents since the programs' inception.

DSLBD supported 24 returning citizens seeking to establish businesses through the **Aspire to Entrepreneurship** program, with each receiving between \$2,000 and \$10,000 (totaling \$200,000), including a solar panel cleaning business.

The **DC Upward Mobility Action Plan** was released, showing how District residents can navigate housing, finance, and workforce programs to chart pathways to prosperity.

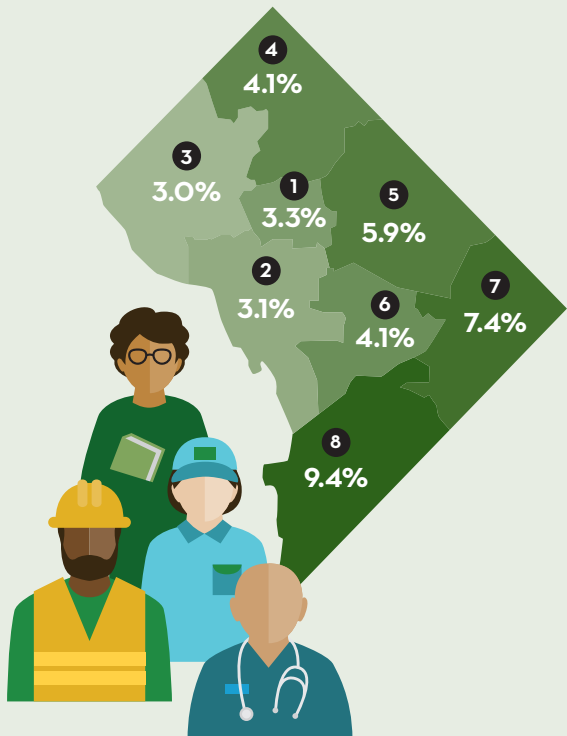


The **DC Community Anchor Partnership**, which uses participating institutions' purchasing power to support local, District-based minority-owned businesses, increased the number of participating institutions and recorded \$186 million in spending.

UNEMPLOYMENT BY WARD

	2012	2022
Ward 1	6.2%	3.3%
Ward 2	3.1%	3.1%
Ward 3	3.4%	3.0%
Ward 4	9.8%	4.1%
Ward 5	14.0%	5.9%
Ward 6	6.8%	4.1%
Ward 7	17.7%	7.4%
Ward 8	20.8%	9.4%

Unemployment by Ward Source: Department of Employment Services, 2012 and 2022





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

Anacostia High School students engaged in **project-based learning to gain knowledge on flood readiness, green infrastructure** and more, through a partnership with the Department of Energy and Environment (DOEE).



UDC developed a 7th-grade **urban agriculture curriculum** to deploy at middle schools that currently have or plan to have hydroponic systems.



The Office of the State Superintendent of Education launched the **DC Futures Program**, offering scholarships and support services to address barriers for completing college degrees, including for majoring in Urban Sustainability from the University of the District of Columbia (UDC).

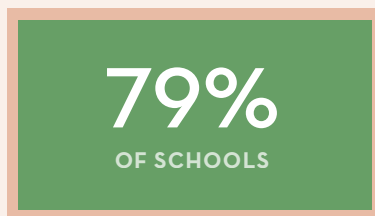
The annual **Electric Vehicle Grand Prix** celebrated its 10th anniversary, with more than 20 high school teams racing mini electric vehicles they built.



Whittier Elementary School in Ward 4 and American University received the **Green Ribbon Schools** recognition from the U.S. Department of Education.

DOEE unveiled the **Wharf High Water Mark sculpture** during Flood Awareness Week (June 21 - 24, 2022) to educate community members about historic and possible future flooding within the District's floodplain.

ENVIRONMENTAL EDUCATION PROGRAMMING



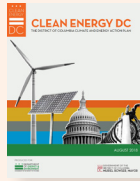
Goal: 100%



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



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.

The DC Green Bank provided \$26 million in funding for solar, green building and stormwater projects in fiscal year 2022.



The District reached **10,013 registered solar systems**, over three times greater than the number of systems in 2017.

The District's Public Service Commission approved the **first long-term power purchase agreement for renewable energy** to provide a portion of the electricity supply load beginning in December 2024.



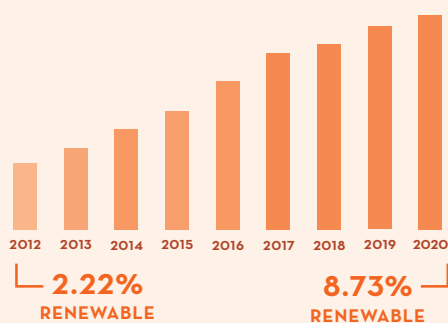
The Washington Metropolitan Area Transit Authority completed the installation of a 1.4 MW **solar carport at the Anacostia Metro Station** in Ward 8, which will generate renewable energy that will be delivered to local residential and commercial customers through community solar.

The Department of Energy and Environment (DOEE) integrated its award-winning community solar program, Solar for All, with its existing energy assistance program, making it easier for District residents to **access the benefits of renewable energy and save money** on their electricity bills.



The Department of General Services, Homeland Security and Emergency Management Agency, and DOEE collaborated to complete critical steps in the process of bringing **solar power and an innovative microgrid system** to the St. Elizabeths campus, simultaneously promoting renewable energy and resilience in Ward 8 that supports critical District Government infrastructure.

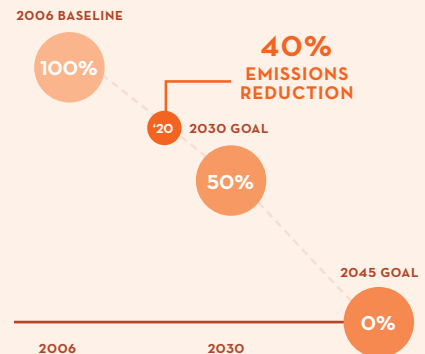
RENEWABLE POWER AND CARBON FOOTPRINT



8.73% percent of annual power is from renewable sources. Source: Department of Energy and Environment



Goal: 50%



As of 2020, the District has cut its citywide carbon footprint by 40 percent since 2006. Source: Department of Energy and Environment



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

Mayor Bowser welcomed the first large full-service grocery store East of the River in 10 years, with the **grand opening of Lidl in Ward 7**.



The District signed the **Cool Food Pledge**, committing to lower District Government food- and beverage-related greenhouse gas emissions 25% by 2030.



The Department of Energy and Environment (DOEE) Office of Urban Agriculture, in partnership with the District Department of Transportation, published the **DC Urban Agriculture Map** to track the amount of land under cultivation as an urban farm, school garden, or community garden.

The **Nourish DC Collaborative** announced its first round of grants, totaling \$400,000 to support locally owned food businesses, especially in neighborhoods underserved by grocery stores and other food businesses.



Rooting DC, a free day-long urban gardening forum that provides education about urban agriculture and food systems, came under DOEE's Office of Urban Agriculture portfolio and was held virtually with 600 participants.

The Office of Planning and DC Health successfully applied for more than \$2 million in U.S. Department of Agriculture grant funding to expand the **Produce Plus and Joyful Food Markets programs**, to distribute more fresh food grown by socially disadvantaged farmers.

91%
FOOD SECURE

91% of residents have consistent access to enough food for an active, healthy life. Source: United States Department of Agriculture, 2019-2021

Goal: 100%





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 District monitored air quality levels in compliance with all federal National Ambient Air Quality Standards (NAAQS) for the first time in decades. Historically, the District has been in nonattainment of the NAAQS for ground-level ozone, but the U.S. Environmental Protection Agency issued a determination that ozone levels in 2022 were below federal standards.



The District Department of Transportation and DC Public Schools (DCPS) celebrated National Walk and Roll to School Day by announcing the delivery of 1,000 new bikes to DCPS second graders as part of physical education classes and the District's Cornerstone program.



DC Health launched Healthy People 2030, a 10-year, city-wide shared community agenda that sets population health goals, objectives, and targets for the year 2030 and recommends collective impact and policy strategies toward population health improvement.

DC Health launched its Advancing Health Literacy Project, an equity-focused, multi-stakeholder collaborative initiative that will promote the transformation of individual, organizational, and professional health literacy in the District.



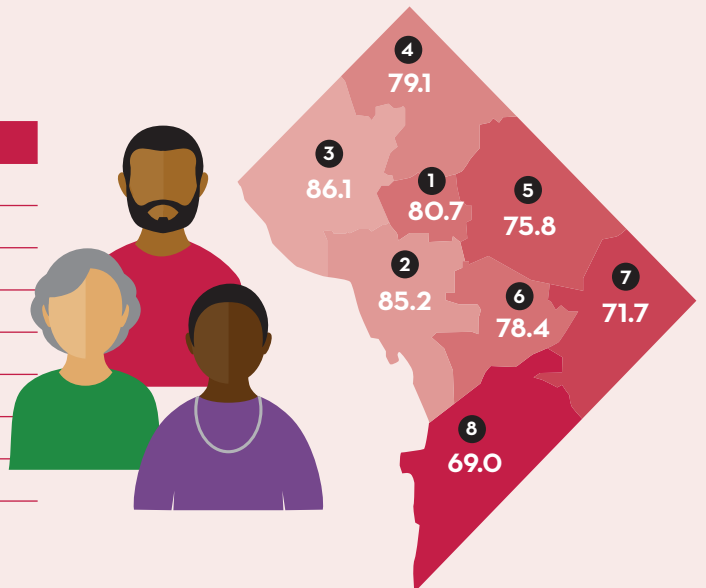
FITDC held an earth-friendly fitness experience, "Pick Your Block," that encouraged volunteers to run or walk while picking up litter for disposal at the Anacostia Recreation Center.

The Department of Energy and Environment published a Heat Sensitivity-Exposure Index identifying the areas of the District that are most exposed to extreme heat and where the most heat-sensitive residents live in order to prioritize outreach and implementation of heat reduction strategies.

LIFE EXPECTANCY BY WARD

	2013	2019
Ward 1	78.3	80.7
Ward 2	86.7	85.2
Ward 3	86.2	86.1
Ward 4	78.6	79.1
Ward 5	74.4	75.8
Ward 6	76.9	78.4
Ward 7	74	71.7
Ward 8	70.9	69.0

Source: DC Health, 2019





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 second year in a row, according to the Trust for Public Land.



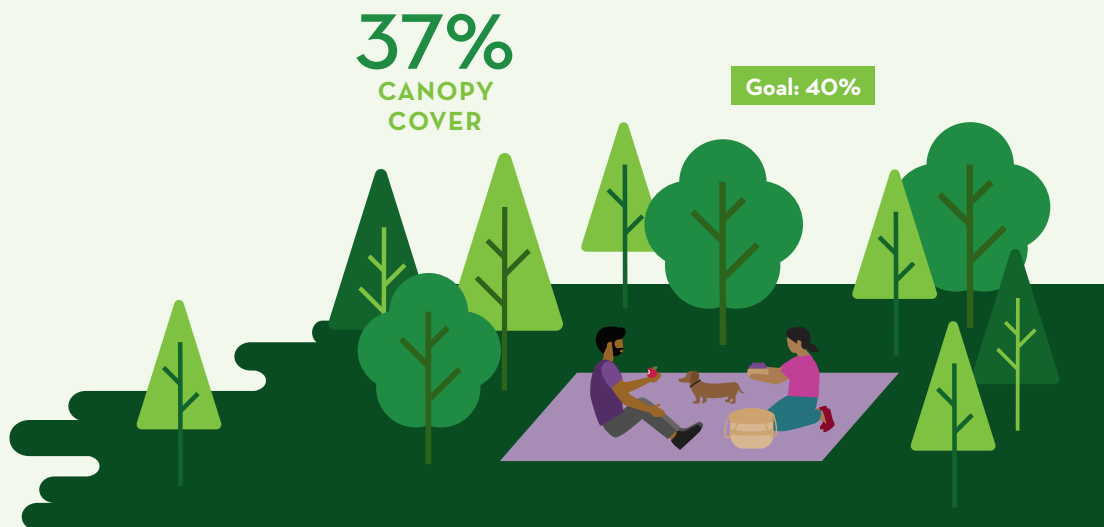
The Department of Energy and Environment transformed the previously volunteer-led **Kingman Rangers program** into a workforce development program to train and employ adults and youth from Wards 5, 6, 7, and 8 to support restoration and education activities on Kingman and Heritage Islands.



The District Department of Transportation’s Urban Forestry Division reached a District-wide total of **175,000 public street, park, and school trees** planted, including 2,800 trees in fiscal year 2022.

Birdwatchers reported multiple sightings of a **tri-colored heron** at Kingman and Heritage Islands, an indication that ongoing restoration efforts are having a positive impact on the District’s wetlands and other natural areas.

The Anacostia Watershed Society completed their release of **30,000 freshwater mussels** into the Anacostia River.



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



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

The District released its **Transportation Electrification Roadmap** and was awarded nearly \$17 million in federal funds from the Bipartisan Infrastructure Law's National Electric Vehicle Infrastructure Formula Program to scale up electric vehicle charging infrastructure over the next five years.



The Washington Metropolitan Area Transit Authority kicked off community engagement for the **Better Bus Network Redesign**, which will develop a new regional bus network that better serves customer needs and regional goals by being fast, frequent, reliable, and easier to understand, to support increased transit use and mode shift.

The District Department of Transportation completed a **new section of the Metropolitan Branch Trail** from Brookland to Fort Totten, improving bicycle and pedestrian access for the route that sees more than 1,500 users per day.



The Office of the State Superintendent of Education was awarded \$7.6 million from the U.S. Environmental Protection Agency to **replace existing school buses in the DC Public Schools fleet with clean, zero-emission models** to reduce harmful emissions.

District employers began complying with the **DC Parking Cashout Law**, which requires employers that provide parking benefits to also offer sustainable transportation options, implement a plan to reduce commuter car trips, or pay a fee.



The District's first-ever **Mobility Innovation District** was launched in the Southwest Business Improvement District to improve equitable access to transportation in the area and serve as a hub for mobility companies.



20% of commuter trips were taken by bicycle, walking, or transit in 2021, with 48.3% telecommuting. Source: 2021 American Community Survey



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

The **Reuse DC website** launched, a District-specific information hub on how to repair, donate, and shop second-hand items ranging from furniture to clothing to other household items.



The Department of Small and Local Business Development's **Food Waste Innovation Grant program** awarded \$300,000 in direct awards and \$200,000 in in-kind services to minimize food waste going to landfill and was highlighted at South by Southwest and the ReFED Food Waste Solutions Summit.



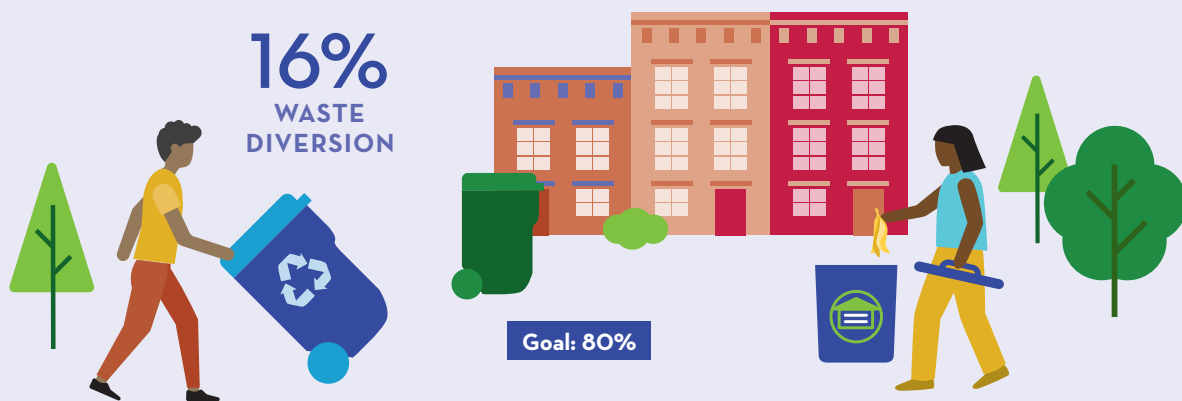
The Department of Public Works (DPW) completed its public engagement cycle for the **Zero Waste DC Plan**, which included more than 5,000 survey responses; 1,000 comments; and 650 event participants.

The District's **Battery Stewardship Program** rules were finalized and the organization responsible for battery collection and recycling submitted its proposed plan for those activities.

The Department of Energy and Environment relaunched **Fix-It DC**, hosting eight community repair events in partnership with the DC Public Library.



DPW received funding from the U.S. Environmental Protection Agency to establish a training and certification program for commercial food waste generators to establish **source-separated organics programs**.



16% citywide waste diversion, with 25% waste diversion from District-served residents only. Source: Department of Public Works, 2018



WATER

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

The Washington Women's Coalition of Professional Sports adopted a portion of the Anacostia River near Kingman and Heritage Islands and began ongoing activities such as clean ups, educational outreach events, and helping meet the District's goals for the river.



The Anacostia Environmental Youth Summit was held on May 20, 2022 with 25 organizational partners presenting hand-on activities to the 340 youth and 60 school staff and parents in attendance.



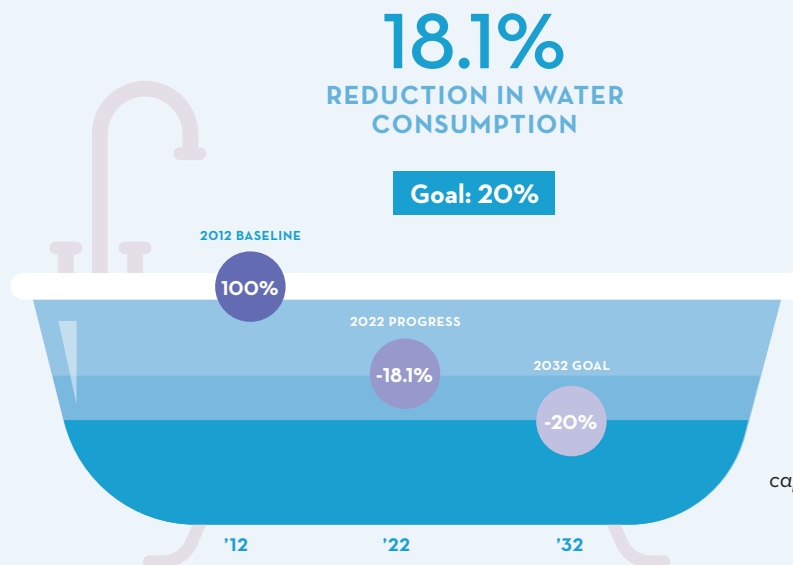
The Department of Energy and Environment initiated a program to maintain more than 4,000 public green infrastructure sites, which includes training and workforce development components for District youth and returning citizens.

The District advanced restoration designs for significant stream projects, including 18,600 feet of stream and five acres of wetlands at Fort Dupont; nearly 1,000 feet of stream at Stickfoot Branch; 1,300 feet of stream at Park Drive; and 21,000 feet of stream at Oxon Run.

DC Water began an environmental assessment and exploratory geotechnical work on the Piney Branch Storage Project that is intended to reduce the volume of sewage overflow at this outfall by 96% in an average rainfall year.



The RiverSmart Schools program selected five schools for schoolyard retrofits with stormwater green infrastructure and landscaping practices that maximize stormwater capture and infiltration.

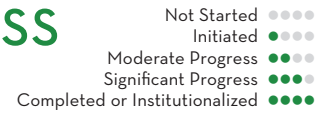


18.1 percent reduction in per capita water consumption compared to 2012. Source: DC Water

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, DSLBD	●●●●
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	●●●●
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	●●●●

SUSTAINABLE DC 2.0 DETAILED PROGRESS

	ACTION	TIME FRAME	LEAD AGENCY	PROGRESS
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: 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	●●●●
🏆 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	●●●●

SUSTAINABLE DC 2.0 DETAILED PROGRESS

	ACTION	TIME FRAME	LEAD AGENCY	PROGRESS
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	●●●●
	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	●●●●

SUSTAINABLE DC 2.0 DETAILED PROGRESS

	ACTION	TIME FRAME	LEAD AGENCY	PROGRESS
	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	●●●●
	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	●●●●

SUSTAINABLE DC 2.0 DETAILED PROGRESS

	ACTION	TIME FRAME	LEAD AGENCY	PROGRESS
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	●●●●
🏆 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	●●●●

SUSTAINABLE DC 2.0 DETAILED PROGRESS

	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	●●●●

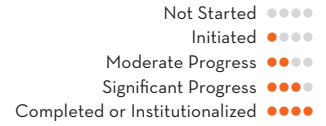
WASTE				
	Goal 1: Reduce waste generated per capita in the District.			
	Target 1: By 2032, reduce per capita waste generation by 15%.			
WS1.1	Develop a comprehensive Zero Waste plan with the objective of decreasing all citywide waste streams and achieving source reduction goals.	Short term	DPW	●●●●
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 publicly 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	●●●●

SUSTAINABLE DC 2.0 DETAILED PROGRESS

	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 PLAN PROGRESS

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.



	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	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	●●●●

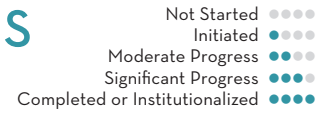
CLEAN ENERGY DC DETAILED PROGRESS

	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 the 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.	Short Term	HSEMA	●●●●
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	●●●●
🏠 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	●●●●

CLIMATE READY DC DETAILED PROGRESS

	ACTION	TIME FRAME	LEAD AGENCY	PROGRESS
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 9.1.	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,	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,	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	●●●●
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 resilience 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	DOEE	●●●●
	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	●●●●

CLIMATE READY DC DETAILED PROGRESS

	ACTION	TIME FRAME	LEAD AGENCY	PROGRESS
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	●●●●
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	●●●●

CLIMATE READY DC DETAILED PROGRESS

	ACTION	TIME FRAME	LEAD AGENCY	PROGRESS
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	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	●●●●
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	●●●●



★ ★ ★ SUSTAINABLE DC
 ★ ★ ★ CLEAN ENERGY DC
 ★ ★ ★ CLIMATE READY DC

WE ARE WASHINGTON
 GOVERNMENT OF THE DISTRICT OF COLUMBIA
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