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SUSTAIN
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DC

2022 PROGRESS REPORT





LETTER FROM MAYOR MURIEL BOWSER



As Washingtonians, we have demonstrated our strength and perseverance time and time again. You have answered the call to protect each other by getting vaccinated and boosted and have also found new and unique ways to build community, support our many local small businesses, and maintain valued traditions in the face of continued uncertainty. Together, I am #DCProud of how we continue to prove our ability to respond to unprecedented adversity and move and thrive beyond it.

In 2021, I redoubled our efforts to advance equity, environmental protection, and economic prosperity in Washington, DC by:

- **establishing our first Office of Racial Equity** and appointing a Chief Equity Officer to make meaningful progress toward a more equitable city through collaboration with our city’s leadership and agencies;
- **implementing the nation’s first Building Energy Performance Standards (BEPS)** program to advance our commitment to drastically reduce greenhouse gas emissions, which now serves for a model for the rest of country; and
- **forging partnerships to connect more residents** to our green economy through Solar Works DC.

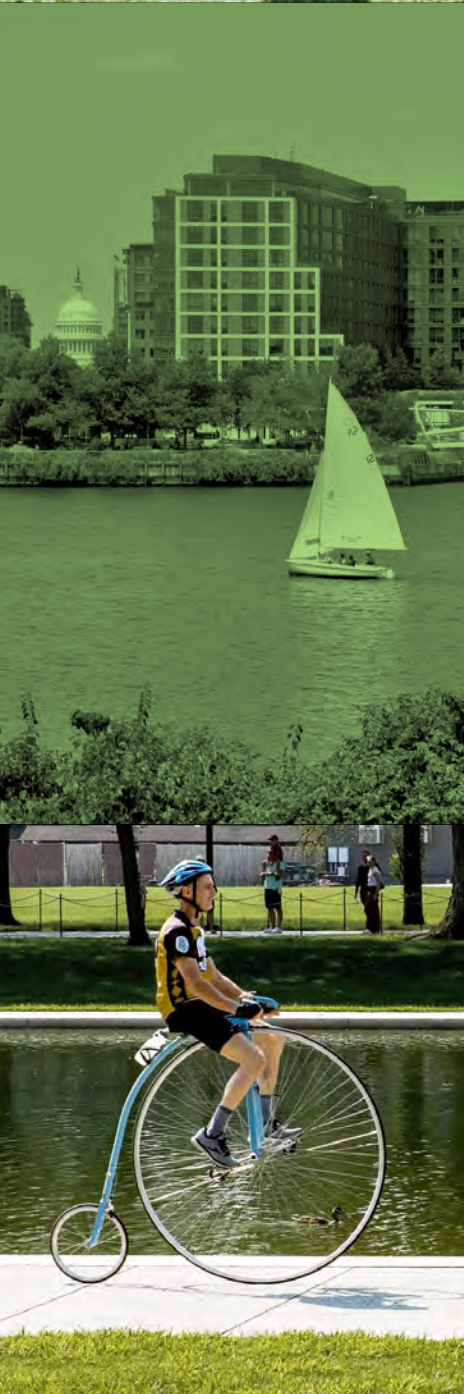
Through these initiatives and numerous others, we are building great momentum on sustainability. We have a tremendous opportunity to continue this progress on our bold affordable housing goals, make once-in-a-generation infrastructure investments—such as the vital and beautiful new Frederick Douglass Memorial Bridge—that put more residents on pathways to the middle class, and lead innovative initiatives to engage all residents in addressing our most pressing challenges.

We are well on our way to making Washington, DC the healthiest, greenest, most livable city for all residents. Please join our movement to give residents a fair shot and create a more Sustainable DC by visiting sustainable.dc.gov. Let’s keep pushing!

Sincerely,

Muriel Bowser
Mayor, Washington, DC





FORGING AHEAD ON SUSTAINABLE DC

After adapting outreach and engagement in response to the COVID-19 pandemic, Sustainable DC is entering a new era. The “new normal” means finding creative ways to pursue our ambitious goals, targets, and actions while knowing that the best-laid plans could change at the last minute. Several initiatives highlight how Sustainable DC continues to chart a sustainable path forward:

Going Green is For Everyone



When Sustainable DC 2.0 was being developed, District residents indicated they wanted to know more about how to “go green” themselves. We refreshed the [Go Green webpage](#) on sustainable.dc.gov to show actions residents can take that align with the goals in Sustainable DC 2.0 and with community priorities residents expressed through surveys and focus groups. The page includes corresponding resources to help residents take action, so no one is on their own. To reach as many residents as possible, information on how to go green is available in Amharic, Chinese, French, Korean, Spanish, and Vietnamese.

Climate Leadership on the International Stage

The District was selected as one of eleven global cities featured in a [virtual exhibit on cities’ climate action as part of the United Nations Climate Change Conference of Parties \(COP26\)](#). Visitors from around the world can learn how we are decarbonizing buildings, advancing equitable climate action, becoming climate ready, and much more.

Preparing for the Future of Food



The District signed on to the [Glasgow Food and Climate Declaration](#), joining over 90 other sub-national governments in making a commitment to address the connections between climate change and food. Urban agriculture and local food systems are deeply tied to the climate. Through integrated food policies, the District’s food system can play a key role in tackling climate change.



Relaunch of Sustainable DC Volunteers

For safety reasons, volunteer events in support of Sustainable DC were paused in early 2020. In October 2021, the [Sustainable DC volunteer program](#) was relaunched. Over 200 community members regularly receive notifications of outdoor volunteer opportunities in the District with organizations that are advancing sustainability goals.

Prioritizing Future Progress

The Sustainable DC team conducted an analysis of [all actions in the Sustainable DC 2.0 Plan that are not yet complete](#). During these discussions, the team identified needs such as new legislation or additional resources to move the actions forward. This analysis revealed priority areas to focus on, particularly as we approach the halfway point of the Plan's implementation timeline.





Implementing the Sustainable DC 2.0 Plan requires careful thought, commitment and perseverance from the District Government.



Council approved significant amendments to the **District's Comprehensive Plan**, which guides future growth and development and addresses sustainability, resilience, housing affordability, and racial equity.

Sustainable DC engaged more than 20 agencies and partners to develop the annual progress report and discuss improvements to the reporting process.

The interagency **Anacostia Waterfront Working Group** coordinated on initiatives related to the Anacostia Waterfront corridor.



The **College and University Sustainability Pledge** members reaffirmed the value of continuing quarterly meetings to exchange best practices and collaborate on sustainability initiatives.



DC Health and the Office of Planning collaborated on a pilot **Health Equity Impact Review** alongside the Congress Heights Small Area Plan process, which can serve as a model for promoting population health in future District plans.

98%
UNDERWAY
OR COMPLETE
Goal: 100%



86% of actions are underway (143 actions) and 12% of actions (20 actions) are complete. Source: Sustainable DC



Sustainable DC must play a direct role to advance racial equity while also creating opportunities for historically marginalized residents to have an active voice in the District planning process.

The **Office of Racial Equity** collaborated with 12 District agencies to pilot racial equity tools, complete departmental assessments of racial equity, and develop racial equity action plans.

The **Department of Energy and Environment (DOEE) Equity Committee** released the DOEE Equity Framework, 2nd edition of the Racial Equity Impact Assessment, and two required trainings for all staff.

Approximately 170 District Government staff completed "**Advancing Racial Equity: The Role of Government**," a required training for managers launched by the Office of Racial Equity, in the two months following its release.



The Office of Health Equity, in collaboration with the Office of Racial Equity, held the **first DC Health Equity Summit** in 2021 focused on Building the Roadmap to a Just Post-Pandemic Future.

The District Department of Transportation implemented an **equity assessment tool** during the budget development process to evaluate the impact of the agency's budget decisions on transportation equity in the District.



The Office of Racial Equity hosted three virtual **Community Listening Sessions** with residents citywide to define and develop the District's vision and strategic priorities for racial equity.





The District is strengthening neighborhoods based on their existing characteristics and ensuring that buildings are healthier and more efficient.



The new **Southwest Library** opened, the first District library to earn a Leadership in Energy and Environmental Design (LEED) Platinum certification.

The **Affordable Housing Retrofit Accelerator** launched to improve energy efficiency and provide direct technical and financial assistance to owners of multifamily affordable housing buildings to help them meet the nation's first Building Energy Performance Standards (BEPS).

The Office of the Deputy Mayor for Planning and Economic Development broke ground at **Walter Reed Marketplace in Ward 4**, a significant milestone in the redevelopment of the 66-acre former Walter Reed Army Medical Center campus which will consist of a new supermarket, apartments, and other retail space.



The District's **Stay DC program** distributed over \$165 million for District renters and housing providers to cover housing and utility expenses to offset the loss of income during the COVID-19 pandemic.

The Department of Parks and Recreation completed the modernization of **Lafayette-Pointer Recreation Center, Woody Ward Recreation Center, and Hardy Park** to reduce their environmental footprint and promote sustainable operations.

The Office of Planning undertook the **North Capitol Cloverleaf Urbanization Study** that creates a vision to add shared-use paths and sidewalks on all roadways for direct pedestrian and bicycle connectivity.



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

The FH Fauntery Community Enrichment Center began hosting a **community empowerment resilience series**, building on community engagement efforts around flooding and climate change with the Ward 7 Resilience Hub Community Committee.



The **Green Food Purchasing Amendment Act** became law, which will leverage the District Government's purchasing power to reduce the carbon footprint of food purchases, as well as expand the District's overall purchasing of Environmentally Preferable Products and Services.

The Department of Energy and Environment released the **2021 Fugitive Methane Emission Survey** to identify where fugitive methane emissions may be occurring and better understand how to cost-effectively reduce methane emissions from fossil gas use.



The **DC Flood Task Force** launched in September 2021 to identify policies and projects to bolster flood readiness.

The Office of Planning continued to implement key resilience and mitigation planning efforts identified in the **Buzzard Point Vision Framework and the Climate Ready DC plan**.



As of 2019, the District has *cut its citywide carbon footprint 31 percent* since 2006. Source: Department of Energy and Environment



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 supported 33 returning citizens with training and funding for business ideas through the revitalized **Aspire to Entrepreneurship Program**.

DC Green Bank and Medici Road finalized a pre-development loan for an energy-efficient, mixed-use building, anticipated to create **65 jobs and expand access to renewable energy, affordable housing, and food for the Deanwood community** in Ward 7.

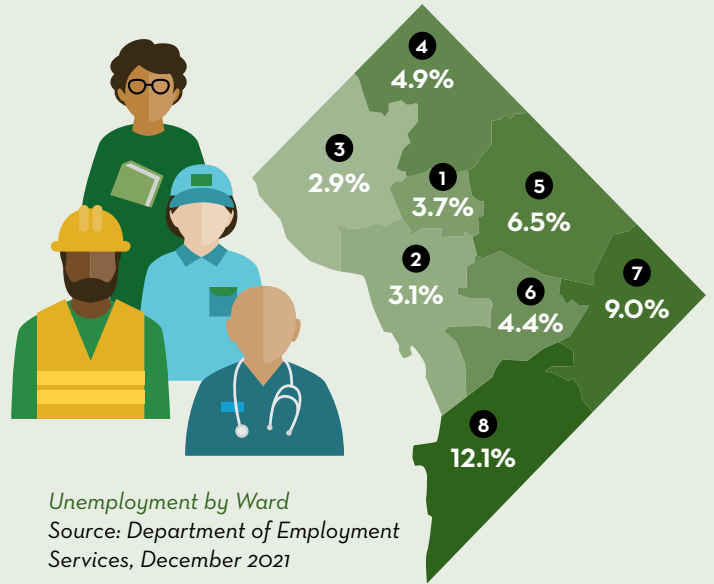
During Small Business Week, Mayor Muriel Bowser awarded a total of \$5.2 million in grants to 13 businesses through the **DC Local Equity, Access, and Preservation Funds (DC LEAF) Program** to improve food access, create new employment opportunities, and stimulate economic development.



The **Nourish DC Collaborative** launched with \$4 million to create community wealth by supporting small food businesses owned by District residents in underserved neighborhoods.



Solar Works DC, the District's premiere low-income single-family solar photovoltaic installation and job training program, received additional funding from the American Rescue Plan Act of 2021 to train more District residents and enhance programming in the new performance period.



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.

The first **Kingman Island Family Day** featured several environmental education activities and attracted more than 650 attendees.

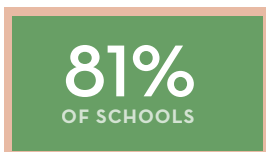


The Office of the State Superintendent of Education (OSSE) created the online **Outdoor Learning Resource Hub** to support the establishment or enhancement of outdoor learning spaces on school grounds.

The **Aquatic Resources Education Center** in Anacostia Park developed an online environmental education professional development course which enrolled and certified 26 educators.



New modernizations of **DC Public Schools** are pursuing the **WELL Building Standard**, the leading tool for advancing health and well-being in buildings.



Goal: 100%



81% of District schools offered **environmental education programming** in the 2019-2020 school year.
Source: Office of the State Superintendent of Education

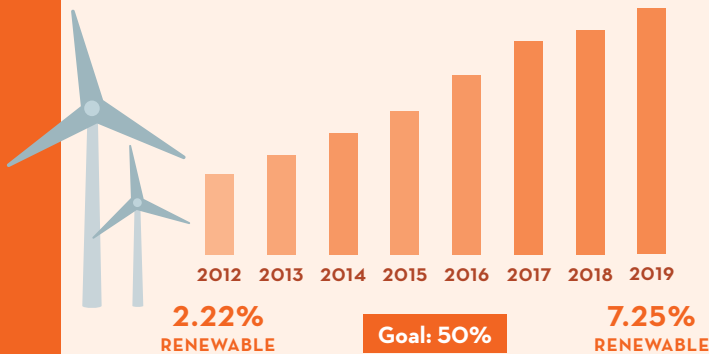
The Department of Energy and Environment developed the **Nature Near Schools Meaningful Watershed Educational Experiences Pilot Program** at 17 schools to allow for meaningful environmental experiences at the elementary and middle school level.

OSSE hosted **Nature Connections: Livestream with Environmental Experts**, a bi-weekly series that provided virtual field trips to locations in and around the District for all students.

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



Banneker Academic High School and West/John Lewis Elementary School opened as the first DC Public Schools designed to meet the net-zero energy standards.



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

The first set of **Building Energy Performance Standards (BEPS)** have been applied to all privately-owned buildings with at least 50,000 square feet of Gross Floor Area (GFA) and all District-owned buildings with at least 10,000 square feet of GFA.



The Solar for All Program completed the largest community solar project in the District at Oxon Run, delivering discounted renewable energy to over 750 Ward 8 residents.

An installation of four megawatts of solar at DC Water's Blue Plains Advanced Wastewater Treatment Plant became operational in June 2021.



The **Electric Vehicle Readiness Act** became law, requiring 20% of parking spaces constructed in new or substantially renovated commercial or multi-unit buildings to include electrical vehicle charging infrastructure.

The **Front Door platform** launched as a one-stop-shop for current and future DC homeowners, with resources on how to save on utility bills.

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 Muriel Bowser, the Deputy Mayor for Planning and Economic Development, and community leaders celebrated the grand opening of **Good Food Markets**, which will provide job opportunities and fresh food options to the Bellevue community in Ward 8.



The Office of Urban Agriculture released the first **Urban Agriculture Infrastructure Grant Awards** in spring 2021 which resulted in eight awardees receiving a combined \$67,712 to install infrastructure and increase capacity at urban agriculture projects.

To address food insecurity in response to the COVID-19 pandemic, the **District's Get Help Hotline** delivered nearly 12,000 boxes with seven days' worth of shelf stable food items by summer 2021 to residents that were advised to quarantine by a healthcare provider.



The **Well at Oxon Run**, a planned community-run urban farm and wellness space in Ward 8 and part of the Department of Parks and Recreation's Partner Urban Farm program, celebrated its "ground opening" and anticipates starting plantings and programs in summer 2022.

The latest round of the **Food Access Fund** launched, which includes \$58.67 million over three years to support grocery stores and restaurants in areas with low food access, with a focus on Wards 7 and 8.

11% FOOD INSECURE

11% of residents lack consistent access to enough food for an active, healthy life. Source: DC Food Policy Council



Goal: 0%



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 Energy and Environment completed the pilot project for the Centers for Disease Control and Prevention **Lead-Free Communities Initiative**, which identified new mechanisms for eliminating lead and other healthy homes hazards.



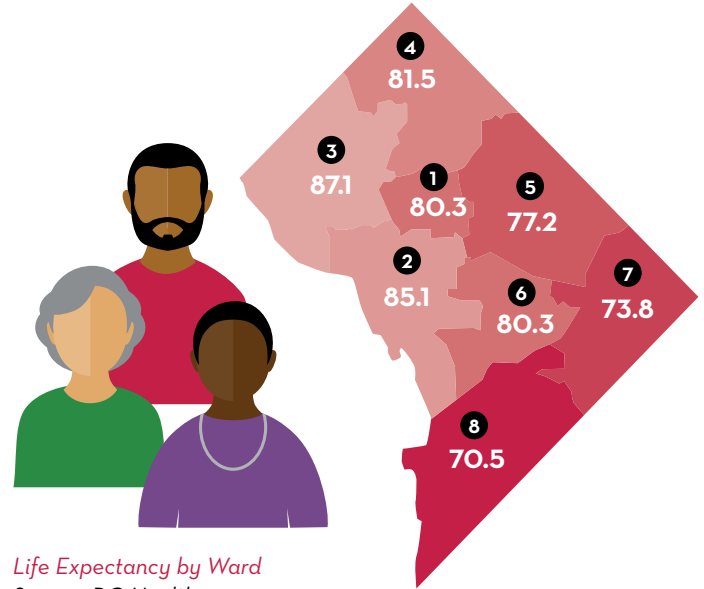
DC Health expanded the availability of COVID-19 testing and vaccination sites, and facilitated a transition to Ward-based COVID Centers.

The District's parks were ranked #1 in the country by **The Trust for Public Land** based on access, investment, acreage, amenities, and equity.



Mayor Muriel Bowser hosted the fourth annual **Maternal and Infant Health Summit**, which took place virtually due to the COVID-19 pandemic, and focused on improving maternal and infant health outcomes.

Through a partnership with the Friends of Oxon Run, the Department of Parks and Recreation assisted in **year-round outdoor education in Oxon Run**, promoting outdoor recreation, nature conservation, and outdoor cultural arts.

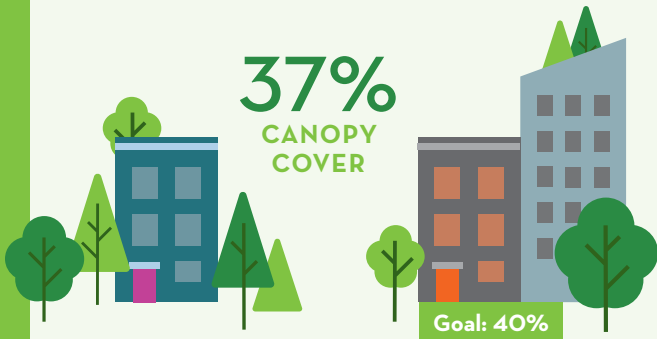


Life Expectancy by Ward
Source: DC Health, 2019



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.



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

The Department of Parks and Recreation completed renovations at Carolina Park and Foxhall Playground, adding approximately **500 feet of fully accessible boardwalk** to facilitate immersion and observation of the natural environment and birds.



Through a partnership involving District agencies, federal agencies, nonprofits, and others, **13,470 trees were planted** in the year prior to October 2021.

The Department of Energy and Environment (DOEE) secured a grant for a five-year project to expand **submerged aquatic vegetation restoration** efforts in the Potomac and Anacostia Rivers.

The District Department of Transportation partnered with the Northern Institute of Applied Climate Science on a **Climate-Adapted Tree Planting Analysis** that will lead to more diverse, resilient, and enduring public forests.



DOEE's **River Corps program** removed 23 acres of invasive species plants in parks throughout the District.



TRANSPORTATION

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

The District Department of Transportation (DDOT) opened the newly constructed **Frederick Douglass Memorial Bridge**, which was designed to be safer for pedestrians and cars, enhancing options for multimodal transportation, and supporting economic development on both sides of the river.



48.2% of trips were taken by bicycle, walking, or transit in 2016–2020. Source: 2020 American Community Survey



DDOT completed its update to **moveDC**, the District's Long Range Transportation Plan, reflecting community priorities of delivering excellent transportation facilities and services in ways that address structural injustices and inequities.

The Washington Metropolitan Area Transit Authority (WMATA) and DDOT coordinated to achieve five permanent dedicated bus lanes, bus prioritization at 14 key intersections, and final design for transit signal priority corridors in Southeast and Northeast, all aligned with the region's **Bus Transformation Project**.



DDOT completed its four-year **battery-electric bus demonstration pilot** for the DC Circulator, which will help DDOT transition the entire Circulator fleet to electric buses.

DDOT added 7.4 miles of protected lanes, and an additional 3.4 miles of standard bike lanes for a total of **10.8 miles of new bike lanes** in 2021.

WMATA implemented **fare and service improvements** to support the region's recovery, encourage more customers to use transit, and advance equity.



WASTE

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



The Department of Public Works (DPW) achieved its **lowest observed contamination rate in recycling**—from 33% down to 11%—through ongoing education and outreach and the Feet on the Street program.

The Department of Small and Local Business Development launched the **Food Waste Innovation Grants**, which will distribute \$500,000 to address food waste from commercial food businesses.



The Mayor's Office of the Clean City supported **over 100 community cleanups** in all eight Wards.

The **Office of Contracting and Procurement** recommended opportunities to purchase Environmentally Preferable Products or Services whenever possible while reviewing more than 5,000 submissions completed by District agencies during fiscal year 2021 acquisition planning.



The **Zero Waste Omnibus Amendment Act** became law, laying the groundwork for new initiatives on disposable food ware, food waste diversion, and recycling.

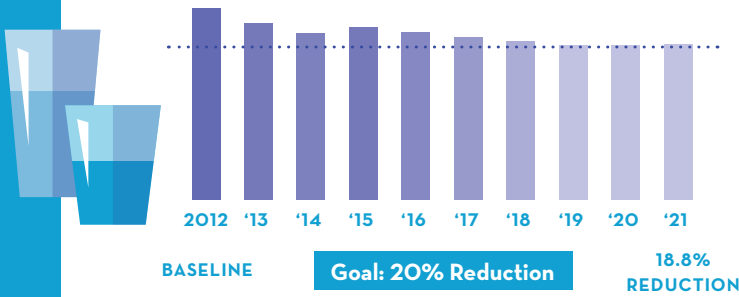
16%
WASTE DIVERSION



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

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.

DC Water created **two new pandemic relief programs** to support renters in multi-family buildings and customers that fell behind on their water bills.



18.8% reduction in per capita water consumption compared to 2012. Source: DC Water



The Department of Energy and Environment (DOEE) initiated the **Anacostia Corridor Restoration Plan** aimed at restoring habitat, enhancing resiliency to climate change and sea level rise, reducing pollution, and increasing inclusive and equitable public access for the corridor.

DC Water advanced several **Clean Rivers Green Infrastructure Projects** in the Rock Creek and Potomac River sewersheds which will significantly reduce the level of pollution to the District's waterways.

The DC Green Bank established a revolving financing facility for Green Compass for the construction of a portfolio of **new green infrastructure** to manage and clean stormwater runoff in Wards 5, 7, and 8.



DOEE launched the **Anacostia Green Boats program** which allows residents to reserve kayaks and canoes free of charge to explore the Anacostia River's Kingman Lake while removing trash and debris.

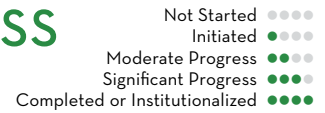
The District reached over **5.7 million square feet of green roofs installed** on businesses and homes for the purpose of capturing and storing stormwater runoff.



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	DOEE, OP	●●●●
GV1.7 Develop a citywide strategy for greening internal District Government operations to save money and improve environmental performance.	Short	DOEE, OP	●●●●
GV1.8 Ensure that all Sustainable DC 2.0 Plan actions promote population health to address health disparities.	Short	DC Health, OP	●●●●
EQUITY			
EQ 1.1 Create an Equity Impact Committee to guide equity in the development and implementation of the Sustainable DC 2.0 Plan.	Short	DOEE	●●●●
EQ 1.2 Develop an Equity Impact Assessment Tool to help the District immediately address racial inequities related to sustainability.	Short	DOEE	●●●●
EQ 1.3 Provide equity-focused training for all District Government employees.	Medium	DOEE, DCHR	●●●●
EQ 1.4 Focus community engagement on communities that have been historically under-represented.	Medium	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	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	DCRA	●●●●
BE2.2 Encourage the development of affordable live-work units.	Medium	DHCD	●●●●
BE2.3 Locate affordable, high-density housing close to commercial zones and high capacity transit.	Long	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	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	DCHA	●●●●
BE3.2 Develop a green building workforce by training built environment professionals and building operations staff in the latest green skills.	Short	DOES	●●●●
BE3.3 Build public-private partnerships to expand best practices for building operations and maintenance.	Short	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	DGS	●●●●
BE3.5 Complete energy assessments of all District homes and buildings.	Medium	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	DOEE	●●●●
BE4.2 Provide incentives for new building projects to achieve net-zero energy.	Medium	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	DCRA	●●●●

	ACTION	TIME FRAME	LEAD AGENCY	PROGRESS
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	DOEE	●●●●
CL1.4	Measure and eliminate methane gas leaks into the atmosphere throughout the District.	Long	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	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	HSEMA	●●●●
CL2.3	Require all new development projects to assess climate risks and incorporate climate adaptation solutions.	Medium	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	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	DSLBD, DMPED	●●●●
EC1.4	Increase the number of businesses that offer sustainable products and services by connecting them to third party certification programs.	Short	DOEE	●●●●
EC1.5	Provide training and connect District businesses to financial resources to operate more sustainably.	Short	DOEE	●●●●
EC1.6	Launch the DC Green Bank by 2020.	Short	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	DOEE, DOES	●●●●
EC2.2	Help connect underemployed residents with jobs in sustainability with opportunities in growing fields.	Medium	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	DOEE	●●●●
EC2.4	Track the economic impact of jobs in sustainability jobs on the local economy.	Short	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	DGS, DCPL	●●●●
ED1.2	Implement a program to encourage all District schools to adopt healthy, green, and sustainable practices.	Long	DOEE, OSSE	●●●●
ED1.3	Implement the Environmental Literacy Plan.	Short	OSSE	●●●●
ED1.4	Provide adequate support so that every student will have access to meaningful environmental experiences in elementary, middle, and high school.	Long	DOEE, OSSE	●●●●
ED1.5	Provide dedicated scholarship funding to allow District residents of color to major in sustainability programs in higher education.	Long	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	DOEE	●●●●
ED2.2	Increase participation of people of color in Sustainable DC community events, planning efforts, and implementation of programs and policies.	Short	DOEE	●●●●
ED2.3	Recognize residents and community leaders for their sustainability achievements with awards and in public sustainability campaigns.	Short	DOEE	●●●●
ED2.4	Develop a list of actions that residents should take to help reach our sustainability goals based on data.	Short	DOEE	●●●●
ED2.5	Create and promote accessible opportunities for adults to learn and build connections to the natural world.	Short	DOEE	●●●●

	ACTION	TIME FRAME	LEAD AGENCY	PROGRESS
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	DOEE	●●●●
EN1.2	Establish a Building Energy Performance Standard for existing large buildings.	Short	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	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	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	DOEE	●●●●
EN1.6	Launch a program to accelerate deep energy retrofits in at least 20% of all buildings.	Short	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	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	DOEE	●●●●
EN2.3	Provide residents with renewable energy by default, sourced from regional wind and solar farms by 2023.	Medium	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	DOEE	●●●●
EN3.3	Remove all barriers to modernizing electricity infrastructure to enable the deployment of neighborhood-scale energy systems and distributed energy resources.	Medium	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	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. DOEE, DCFPC				
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	DGS, DPR	●●●●
FD1.2	Develop food-producing landscaping on five acres of District public spaces distributed throughout all eight wards.	Medium	DGS	●●●●
FD1.3	Develop and support school gardens and garden-based food system education to engage DCPS and charter school students.	Short	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	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	DSLBD	●●●●
FD2.3	Expand and promote food assistance programs at grocery stores, farmers markets, and corner stores citywide.	Medium	DC Health	●●●●
FD2.4	Support evidence-based nutrition and cooking education efforts across all populations to help residents make healthier choices.	Short	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	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	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	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	DCFPC, OP, DOES, WIC	●●●●



	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	DPW	●●●●
FD4.2	Educate businesses and institutions on how to prevent food waste, recover unused food, and understand liability protections.	Medium	DPW, DCFPC	●●●●
FD4.3	Incentivize food donations by businesses, schools, and institutions through policy changes.	Medium	OTR, DME	●●●●
FD4.4	Educate residents and food related businesses on proper buying, storing, and disposing of food to minimize waste.	Medium	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	DPR	●●●●
HE1.2	Prioritize community-driven strategies to support physical activity in unexpected but everyday spaces.	Medium	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	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	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	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	DPR, OP, DDOT	●●●●
HE2.4	Audit and eliminate environmental health threats (mold, lead, and carbon monoxide) in 100% of the Washington DC's public housing.	Long	DCHA	●●●●
HE2.5	Develop an interagency heat management strategy to minimize the injury rate associated with extreme cold and heat temperature days.	Short	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	DC Health, OP	●●●●
HE3.2	Study healthy community design principles for inclusion in all new affordable housing projects and major retrofits.	Short	DHCD	●●●●
HE3.3	Launch a comprehensive multi-level health literacy campaign across the District.	Short	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	DOEE	●●●●
NA1.2	Plant and maintain an additional 150 acres of wetlands in targeted Conservation Opportunity Areas.	Long	DOEE	●●●●
NA1.3	Partner with developers to incorporate living shorelines in waterfront developments.	Short	DOEE	●●●●
NA1.4	Reduce threats to 75 aquatic species of greatest conservation need.	Long	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 UFA	●●●●
NA2.2	Remove invasive plants on 500 acres of critical habitat based on a strategic management plan.	Medium	DOEE	●●●●
NA2.3	Create or restore a minimum of 200 acres of meadow habitat.	Long	DOEE	●●●●
NA2.4	Incorporate biodiversity and the use of native plants in green infrastructure on District Government land.	Short	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	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	DOEE	●●●●

	ACTION	TIME FRAME	LEAD AGENCY	PROGRESS
	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	DDOT	●●●●
NA3.2	Increase the number of “nature play spaces” at District playgrounds.	Medium	DPR	●●●●
NA3.3	Create or improve small parks and natural spaces in underserved areas.	Short	DPR	●●●●
NA3.4	Provide informational resources on backyard wildlife habitats, native plant gardening, container and vertical gardening, and creating pollinator habitats.	Short	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	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	DDOT, WMATA	●●●●
TR1.2	Improve transit connections to employment and activity centers from underserved areas.	Medium	DDOT	●●●●
TR1.3	Define and secure permanent funding for transit planning and improvements.	Short	DDOT	●●●●
TR1.4	Develop design guidelines to ensure transit systems are resilient to climate change.		DDOT	●●●●
TR1.5	Identify and remove the obstacles to families taking transit.	Medium	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	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	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	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	DDOT	●●●●
TR2.6	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	DDOT	●●●●
	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	DDOT	●●●●
TR3.2	Encourage private businesses to offer incentives to employees for transit, biking, and walking.	Medium	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	DDOT, DOEE	●●●●
TR3.4	Develop a strategy in response to autonomous vehicles.	Short	DDOT	●●●●
TR3.5	Encourage and promote telecommuting and alternative work schedules for District Government employees.	Short	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	DOEE	●●●●
TR4.2	Require the District Government to purchase green fleet and passenger vehicles.	Medium	DPW, MPD, OSSE	●●●●
TR4.3	Encourage network of electric vehicle charging stations throughout the city.	Medium	DOEE, DDOT	●●●●
TR4.4	Fully electrify District-controlled buses, and work with regional bus systems to reduce regional bus emissions.	Medium	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	DPW	●●●●
WS1.2	Study the feasibility of an equitably priced collection billing structure (like Save-As-You-Throw).	Short	DPW	●●●●
WS1.3	Expand current bans and fees on waste products like expanded polystyrene and disposable bags.	Medium	DOEE	●●●●
WS1.4	Work with surrounding jurisdictions to develop and implement a regional approach to reducing plastic waste.	Long	DOEE, DPW	●●●●
WS1.5	Increase purchases of Environmentally Preferable Products and Services.	Short	OCP, DOEE	●●●●

	ACTION	TIME FRAME	LEAD AGENCY	PROGRESS
	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	DOEE	●●●●
WS2.2	Reuse 5% of total non-hazardous residential building materials.	Long	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	DOEE	●●●●
WS2.4	Support the development of a locally based, circular economy by facilitating the separation of waste into commodity streams.	Short	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	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	DPW	●●●●
WS3.3	Increase the number of co-located (trash and recycling) receptacles that are publicly accessible.	Medium	DPW	●●●●
WS3.4	Aggressively enhance educational resources and outreach campaigns that educate residents, workers and visitors on waste minimization, recycling, and composting.	Short	DPW	●●●●
WS3.5	Expand Washington, DC's product stewardship program to include additional product streams.	Medium	DOEE	●●●●
WS3.6	Bolster enforcement efforts to ensure that commercially-serviced businesses and multifamily buildings comply with the requirements to provide adequate and timely on-site recycling and trash collection.	Medium	DPW	●●●●
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	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	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	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	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	DOEE	●●●●
WT1.6	Restore 10 miles of streams in the District.	Long	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	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	DDOT	●●●●
WT2.4	Grow the District's Stormwater Retention Credit Trading program.	Short	DOEE	●●●●
WT2.5	Streamline and coordinate incentive programs for combined green roofs and solar projects.	Short	DOEE	●●●●
WT2.6	Pilot a large scale network of green infrastructure with smart controls to better understand performance and inform future project designs.	Medium	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	DCRA	●●●●
WT3.2	Develop incentives for water-efficiency measures in landscaping and buildings.	Long	DOEE	●●●●
WT3.3	Pilot water efficiency projects in the District Government to lead by example.	Short	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	DC Water, DOEE	●●●●
WT4.2	Eliminate all lead service lines and plumbing from District Government-owned buildings.	Long	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	DC Water	●●●●

NOTE: The COVID-19 public health emergency continued to impact sustainability progress in 2021, including data gathering.

THE HEALTHIEST, GREENEST, MOST LIVABLE CITY FOR ALL RESIDENTS BY 2032

Would you like a refresher on the Sustainable DC 2.0 Plan? Check out [this short video](#) to learn how the plan can bring about equitable benefits across a variety of areas for District residents like you.

Thanks to the dedicated efforts of our agencies, residents, businesses, and all other partners, the District has come a long way in meeting its sustainability goals. But we still have more work to do. Together, let's implement [Sustainable DC](#) and make this the healthiest, greenest, most livable city for all residents!



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