



SUSTAIN
ABLE



DC

2021
PROGRESS
REPORT



LETTER FROM MAYOR MURIEL BOWSER



Dear Washingtonians:

2020 was a year like no other. A global pandemic turned our lives upside down, and almost overnight we had to reimagine so much of how we live and interact. In the midst of it all, we had a reckoning on racial injustice, moved closer to DC statehood than ever before, witnessed a terrifying attack on our democracy, and began the process of vaccinating an entire global population. At every step along the way, I have witnessed the resiliency and selflessness of Washingtonians.

Sustainability, we know, is about balancing the environmental, economic, and social needs of today with the needs of the next generation, and the one after that. This past year has shown the importance of careful planning, strong partnerships, coordinated efforts across District Government agencies, and creativity in meeting changing community needs. Those are the strengths of initiatives like Sustainable DC.

As we keep pushing toward a new and better normal, I am confident that we can come out of this a more resilient, more equitable, and more sustainable DC.

To learn more and to get involved, please visit sustainable.dc.gov.

Muriel Bowser
Mayor, District of Columbia



SUSTAINABLE DC AND COVID-19

Sustainability is more important during the coronavirus (COVID-19) than ever before. Collaboratively addressing largescale problems with systemic solutions is where sustainability shines. However, it has been equally important this past year to adapt priorities to meet urgent needs across the District. Here are a few ways Sustainable DC adapted during COVID-19:

Connecting Community to Resources



We released a brand new website in 2020 with information on the Sustainable DC 2.0 Plan, past progress reports, ways to be more sustainable at home, and opportunities to get involved in sustainability programs across the District. During the height of the pandemic, we re-tasked the Sustainable DC website to provide information on urgent resources such as staying cool while staying home, growing your own food, and safely experiencing nature for mental wellness. Similarly, our social media and newsletters focused on connecting residents to critical COVID-19-related information.

Creating Space for Healing

While COVID-19 caused stress for everyone, some communities faced much more intense stress than others. In talking with the community-based organization, Movement Matters, it was clear that Latinx/Hispanic residents were disproportionately impacted. Sustainable DC partnered with Movement Matters to provide space for frontline workers to heal and de-stress during a traumatic time for many residents.

Celebrating Successes



The District Sustainability Awards have celebrated leaders in environmental stewardship for 10 years, but in 2020, the Awards were expanded to a truer definition of sustainability that better balances equity with the environment. Rev. Lennox Yearwood Jr. of the Hip Hop Caucus helped connect equity to climate change and seven winners were honored: Anica Landreneau, Bradley Site Design, Eco Caters, The Green Scheme, ISTUDIO Architects, Ward 8 Woods Conservancy, and S.C. Herman & Associates, Inc.



Collaborative Partnerships

Complicated problems require coordinated solutions. One strength of Sustainable DC is its ability to convene people from across District Government, diverse sectors, and different neighborhoods in the District. The College and University Sustainability Pledge pivoted during COVID-19 to discuss how best to connect with students during virtual learning. Sustainable DC also convened several interagency working groups on strategic topics in sustainability, including food waste, equitable transportation, and sustainable purchasing.

Learning from Community Experts

Building upon work from the past two years, Sustainable DC helped convene the Resilience Hub Community Committee with the Fauntery Community Enrichment Center in developing a resiliency hub in Far Northeast Ward 7. Residents were compensated for their time in helping determine what a resilience hub in their neighborhood should offer. Similarly, the 100% Renewable and Equitable Communities cohort with Empower DC, Solar United Neighbors, and the DC Fiscal Policy Institute worked together to better understand how carbon neutrality can advance community priorities like jobs and healthcare.



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

Sustainable DC launched a **brand new website** at sustainable.dc.gov to better communicate the content of the Sustainable DC plan, related projects, opportunities to get involved, and implementation progress.



Several sustainability-focused **interagency working groups** met regularly, including groups on transportation equity, food waste reduction, extreme heat, sustainable procurement, green schools certification, and District Government waste management.

Sustainable DC partnered with **Movement Matters** to hold COVID-appropriate Community Healing and Action Circles tailored to residents most severely impacted by the pandemic.

As a part of a Department of Energy and Environment grant-funded project, **Loop Closing, Recycle Leaders** and **Soilful Cities** developed programs for residents to implement Sustainable DC 2.0 Plan actions that align with their own priorities.

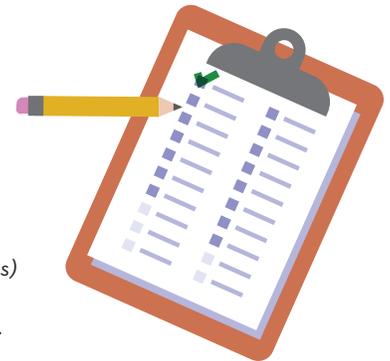


Mayor Muriel Bowser commissioned **#MuralsDC51**, a project to create 51 murals on statehood, Black history, and social justice.

94%
UNDERWAY
OR COMPLETE

Goal: 100%

86 percent of actions are underway (146 actions) and 8 percent of actions (14 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 Department of Energy and Environment released a **Racial Equity Impact Assessment** process to address the problems faced by residents impacted by historical and systemic inequities when developing new programs, policies, and plans.

Mayor Muriel Bowser is hiring a Chief Equity Officer to coordinate strategic equity initiatives and create a new District Government-wide equity team.



The Office of Planning (OP) published the **Housing Equity Report**, specifying intentional affordable housing goals to build more inclusive and diverse neighborhoods throughout DC.

OP launched the **Congress Heights Small Area Plan**, an equitable development plan that will use racial and socio-economic equity goals from the Comprehensive Plan update to establish a vision for the future of Congress Heights.



To help students with virtual learning during COVID-19, **District of Columbia Public Schools** distributed 41,000 laptops to students who didn't have reliable equipment.





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

As part of the effort to build 36,000 new homes by 2025, the District increased the **Inclusionary Zoning** requirement for affordable housing of up to 20 percent of residential gross floor area when additional residential density is requested through a zoning map change.



63 percent of DC neighborhoods are walkable. Source: walkscore.com/DC/Washington_D.C.



To protect residents from losing their housing during the pandemic, the District Government instituted an **eviction and utility cut-off moratorium**. Additionally, the Department of Housing and Community Development (DHCD) and the Deputy Mayor for Planning and Economic Development (DMPED) created **emergency rental and mortgage assistance funds**.

The Office of Planning conducted the **Re-Imaging Reeves: Public Life Study** at the intersection of 14th and U Streets, NW, which describes how people perceive the public spaces around them and how they would like to see in these spaces in the future.



The **Building Innovation Hub** was launched by the Institute for Market Transformation to increase energy efficiency and building performance throughout the District.

DMPED broke ground at **MLK Gateway Community**, a renovation that will bring office, retail, and other neighborhood amenities to Historic Anacostia.



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.

DC Water is building a **17.2 foot sea wall** at the Blue Plains Advanced Wastewater Treatment Plant to protect against higher sea level rise and storm surges.



The Department of Parks and Recreation's (DPR) **Statewide Comprehensive Outdoor Recreation Plan** identified resiliency as a key priority to build a park system that helps the District adapt to climate change. DPR also planted 1,094 trees to increase shade cover and constructed three splash pads to provide opportunities to stay cool during increased heat waves.

The Department of Energy and Environment (DOEE) partnered with **Empower DC's 100% Renewable and Equitable Cities cohort** to help shape **Carbon Free DC**, the District's strategy to reach carbon neutrality by 2050.



DOEE released **resilient design guidelines** to incorporate solutions to climate vulnerabilities into designs for District Government buildings and landscapes.

A **Climate-Adapted Tree Planting Analysis** was completed by the Department of Transportation to inform tree planting decisions to increase the use of non-invasive, climate-adapted species to better tolerate future conditions.



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.



Thanks to the Fair Shot Minimum Wage Act of 2016, the minimum wage in the District is now **15 dollars an hour** and will now increase in proportion with the Consumer Price Index.

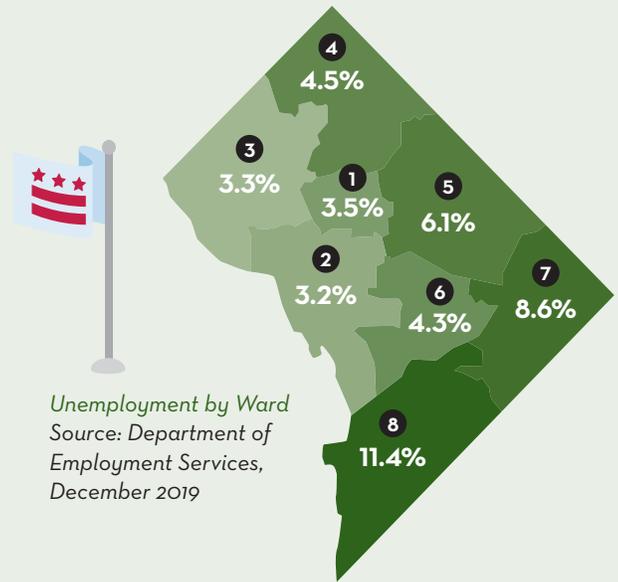
Mayor Muriel Bowser and District Government provided **\$1.5 billion in unemployment benefits** to District workers during the pandemic.

The Department of Small and Local Business Development awarded **\$976 million in local government funding to small business enterprises** and launched the DC Green Book website to provide access to capital in order to grow the clean economy.

The Department of Employment Services' **Mayor Marion S. Barry Summer Youth Employment Program** went virtual in 2020, providing more than 8,400 young people with meaningful job opportunities.



Mayor Bowser announced the investment of \$4 million through the new **Streatory Winter Ready Grant** program to assist restaurants as they winterized their outdoor dining areas to maintain outdoor dining operations through the colder months.



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.

During the 2019-20 school year, 110 public and public charter campuses in the District had active school gardens and **engaged 15,362 students and 787 teachers**.



Fifty-two DC Public Schools, including those buildings still under construction, are designed for LEED Silver certification, five of which are designed for LEED Platinum certification.

The Office of the State Superintendent of Education piloted the **Capital Leaders in Environmental Actions for our Future** (LEAF) program to recognize green, healthy, and sustainable schools in the District.



The Green Scheme, a sustainability and health-focused community-based organization, taught youth in Wards 7 and 8 about gardening, nutrition, entrepreneurship, and healthy living in programs like Code Green and Girls Gone Green.

The 2020 virtual **District Sustainability Awards** featured keynote speaker Rev. Lennox Yearwood Jr. of the Hip Hop Caucus and seven winners: Anica Landreneau, Bradley Site Design, Eco Caters, The Green Scheme, ISTUDIO Architects, Ward 8 Woods Conservancy, and S.C. Herman & Associates, Inc.

38% OF STUDENTS

Goal: 100%

38 percent of students in the District learned about environmental and sustainability concepts.
Source: Office of the State Superintendent of Education





ENERGY

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

The Department of Energy and Environment (DOEE) has established its first set of **Building Energy Performance Standards** (BEPS) to improve energy efficiency in existing buildings.



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



There are now **397 electric car charging stations** throughout the District.

DOEE's **Solar for All** program, in partnership with the DC Sustainable Energy Utility, installed solar panels on 160 low-income households and built 98 new community solar projects.



The Washington Metropolitan Area Transit Authority (WMATA) signed a deal to host **17 acres of solar panels** at its stations, the largest community solar project in the metropolitan area.

WMATA also installed energy-efficient LED lighting in stations that will reduce energy use by approximately **24,000 megawatts** annually, enough energy to power more than 1,900 homes for a year.

DC Public Schools upgraded its building automation system at 45 new schools, **reducing 40 percent of a building's electricity and 75 percent of natural gas usage**.



FOOD

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



The Office of Planning enabled **40 farmers markets to operate during COVID-19** to expand access to healthy food as part of a special waiver program.

The DC Food Policy Council published the **Make Food Work Strategy**, a road map for improving job quality and expanding career pathways within the District's food workforce.



Four new **healthy food stores** will be opening in Wards 7 and 8 between 2020 and 2022.

The Deputy Mayor for Planning and Economic Development announced it will provide up to \$1 million for the **Nourish DC Fund** to provide grants, loans, and technical assistance to local food businesses in underserved communities.

Responding to COVID-19, the **Food Access and Food Security in the District of Columbia** report provided recommendations to address food access needs during and following the public health emergency.



The Department of Parks and Recreation partnered with local restaurants to launch the **Feed the Fridge** program consisting of eight refrigerators stocked with free and fresh meals across the District to help residents during COVID-19.

10.6%
FOOD INSECURE

Source: DC Food Policy Council





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.



DC Health launched a new **Faith in Vaccines** to use faith-based groups to build trust in the COVID-19 vaccine.

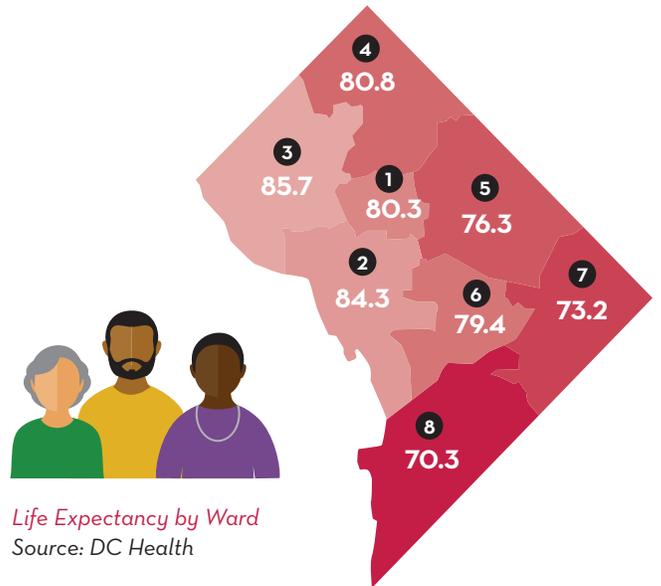
Washington DC's 2020 **ParkScore** was ranked **second in the nation** by the Trust for Public Land based on access, investment, acreage, and amenities.

Mayor Muriel Bowser hosted a **virtual Maternal and Child Health Summit**, the third annual summit focused on improving maternal and child health outcomes.



The Office of the State Superintendent of Education and the Deputy Mayor for Planning and Economic Development launched the **DC Child Care Provider Relief Fund** to provide \$5 million in emergency operational funding to local child care facilities to ensure a supply of child care for families during COVID-19.

Mayor Bowser launched the **#FITDC3** campaign to prepare residents for 2021 and beyond by offering a new, online health and wellness resource guide designed to make healthy living easier.



NATURE

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

The Department of Energy and Environment (DOEE) adopted regulations to **prevent further loss** of valuable wetland and stream resources.



Source: Department of Energy and Environment



The Department of Parks and Recreation (DPR) and the Department of General Services completed playground renovations with **nature-inspired equipment** in five parks across the District. They focused on new parks on underserved areas of the District.

1,094 trees were planted on DPR properties in 2020 to help minimize the effects of heat waves in the District.



Park stewards from **Ward 8 Woods**, a grassroots nonprofit organization, removed trash and invasive species from more than 500 acres of forest in Ward 8.

DOEE completed the first **Wetland Conservation Plan** and wetland creation site suitability guidance to help identify opportunities for new and restored wetlands.



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.

Mayor Muriel Bowser announced that the District will join the **Transportation and Climate Initiative**, a multi-jurisdictional collaboration to cut transportation pollution by 26 percent and invest in clean mobility and healthier neighborhoods, particularly for communities of color.



52.4%
COMMUTER TRIPS

Goal: 75%

52.4 percent of trips are taken by bicycle, walking, or transit. Source: American Community Survey



The Department of Transportation (DDOT) now has **325 Capital Bikeshare stations in DC**, putting approximately 80 percent of the District's population within a quarter mile of a station.

As part of Mayor Bowser's Vision Zero initiative, DDOT temporarily installed **26 miles of Slow Streets** to support neighborhood-based safe social distancing.



The Washington Metropolitan Area Transit Authority launched a Zero Emission Bus Program, including an electric bus test and evaluation project.

DDOT installed **care-free lanes** on Martin Luther King Jr. Avenue SE and M Street SE and protected bus lanes on 14th Street NW, bringing the total lane-miles to 6.2.



DDOT added **6.12 street miles of bike lanes**, including a half mile of off-street trail.



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 Parks and Recreation **trained more than 1,000 residents** to compost food scraps across the District to reduce food waste.

The Department of Energy and Environment's (DOEE) **DumpBusters** program increased enforcement actions against illegal dumping in the District by 33 percent.



eCYCLE program participants organized 59 public electronics drop-off events in 2020, diverting **3.38 million pounds of electronic waste**. Similarly, PaintCare recycled more than **25,000 gallons of paint** as part of DOEE's paint stewardship program.

The Department of Public Works launched the **East of the River Compost Stewards Program** with a cohort of four paid stewards who help with composting systems at the REDEEM Farm at the First Baptist Church of Deanwood and Kelly Miller Farm.

The Department of Small and Local Business Development's Clean Teams program cleaned 53 miles of commercial corridors and **removed almost 10 million pounds of trash** and recyclables from commercial districts.

25%
WASTE
DIVERSION



Goal: 80%

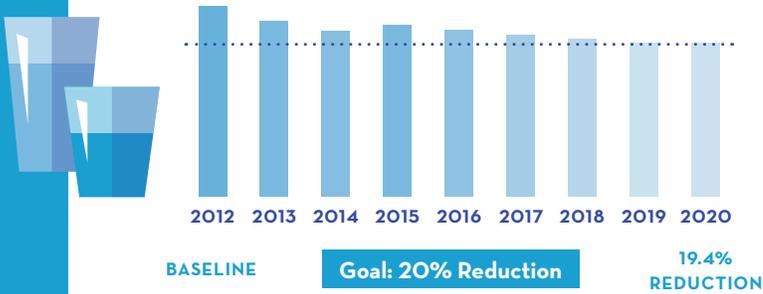
25 percent waste diversion from District-serviced residents. Source: Department of Public Works



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.

DC Water has completed 365 acres of the first Rock Creek project, and 133 impervious areas in the Potomac River watershed were completed as part of the Green Infrastructure project.



19.4 percent reduction in per capita water consumption. Source: DC Water



The Department of Energy and Environment (DOEE) has reintroduced **25,000 native fresh-water** mussels into the Districts waterways.

70,000 pounds of trash and debris have been removed from District waterways through the installation of seven trash traps since the Anacostia River Clean Up and Protection Act went into effect 10 years ago.



5.77 million square feet in the District will now drain to green infrastructure thanks to DOEE's work on 208 Stormwater Management Plans.

113 residential homes and businesses had their lead service lines partially by DOEE.

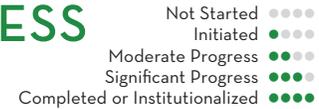
DOEE conducted **847 RiverSmart home audits**, helping residents improve their properties while reducing stormwater runoff and flooding.



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, DSLBD, 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	●●●●
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.				
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, DC Health, 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	●●●●

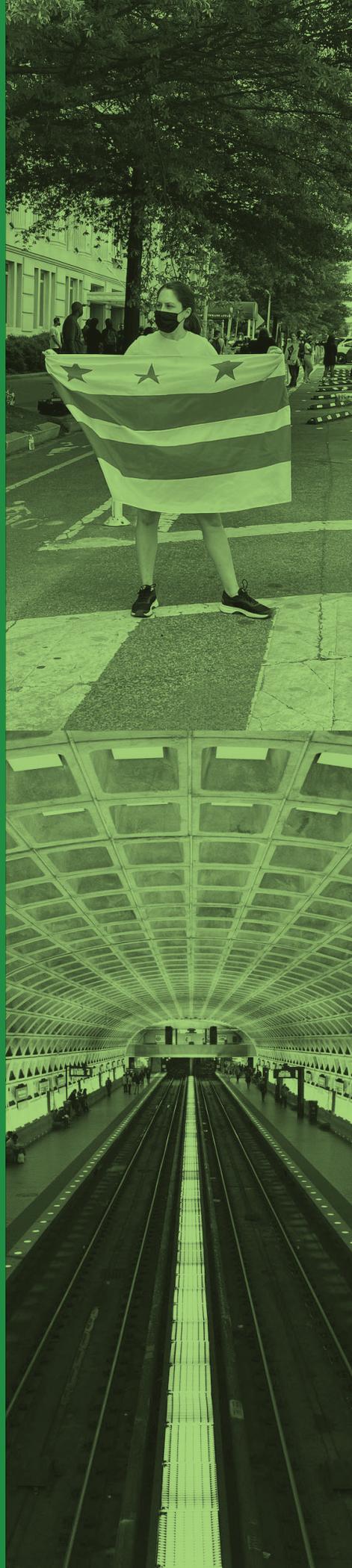
TRANSPORTATION

	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	●●●●
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	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-served 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	●●●●



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