

Sustainable DC 2.0
2021 Detailed Progress Report

ACTION TEXT	TIME FRAME	LEAD AGENCY	PARTNER AGENCIES	2021 Progress	APRIL 2021 STATUS
GOVERNANCE					
Goal 1: Expand District Government leadership to implement the <i>Sustainable DC 2.0 Plan</i> .					
Target 1: Implement 100% of the Sustainable DC actions by 2032.	Ongoing				
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		4	In 2020, the Sustainable DC team included 1 full time and 2 full time equivalent team members working towards implementation, communications, progress tracking, and making results publicly available.
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		4	DOEE and OP released the sixth annual Sustainable DC Progress Report, continuing every year since the plan was released. The robust process includes a progress kickoff meeting of District Government agencies involved in plan implementation, each agency completing a spreadsheet of their updates, and an intensive process to rate each of the 167 plan actions on its level of completion (the results of which are written in this spreadsheet).
GV1.3: Identify existing laws, regulations, and policies that conflict with sustainability goals and areas where new authority is required.	Ongoing	DOEE, OP		2	In June 2019, DOEE and OP did an analysis of which actions would require legislation for implementation. A new analysis will be done in 2021.
GV1.4: Expand sector-based sustainability partnerships and pledges to promote adoption of sustainable practices.	Ongoing	DOEE, OP		2	The College and University Sustainability Pledge (CUSP) remained active throughout the COVID-19 public health emergency, meeting quarterly and discussing ways to engage students on sustainability remotely. DOEE also supported the State Department International Agency's Greening Embassy Forum and continues to work on training businesses outside of a formal business pledge program.
GV1.5: Increase federal and regional collaboration by partnering with the federal government and regional council of governments.	Ongoing	DOEE, OP	EOM, DMPED, DCRA, DDOT	2	District Government remains very active within the Metropolitan Washington Council of Governments, particularly the Anacostia Watershed Steering Committee, the Climate Energy & Environment Policy Committee, the Recycling Committee, and, the Food and Agriculture Regional Member Ad Hoc Advisory Committee. DDOT is also on the National Capital Region Transportation Planning Board, a regional board of local, state and federal partners that coordinate regional programs. DOEE and OP convene the Anacostia Working Group, which includes Federal agencies.

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GV1.6: Designate a sustainability lead in every District Government agency to coordinate efforts across government.	Short term	DOEE, OP		2	Continuing this year, DOEE met with 26 different sustainability leads within District agencies to coordinate efforts across government on a yearly basis. Formal points of contact have not yet been established.
GV1.7: Develop a citywide strategy for greening internal District Government operations to save money and improve environmental performance.	Short term	DOEE, OP	DGS, DPR, DDOT, DPW, OCP, OCA	1	DGS, DOEE, and the Office of the Clean City met as part of an informal working group to plan for increased diversion in District Government buildings, but due to the COVID-19 public health emergency, implementation was put on hold.
GV1.8: Ensure that all <i>Sustainable DC 2.0 Plan</i> actions promote population health to address health disparities.	Short term	DC Health, OP	DOEE, DCPS	0	This year's Sustainable DC Progress Reporting reflects that not every agency is being asked whether they are considering population health and health disparities in every action's planning and implementation. DOEE will incorporate this into next year's progress reporting.
EQUITY					
	Timeframe	Lead Agency	Partner Agency		
EQ 1.1: Create an Equity Impact Committee to guide equity in the development and implementation of the <i>Sustainable DC 2.0 Plan</i> .	Short term	DOEE	DPR, DC Health, OHR, EOM	4	DOEE's Racial Equity Impact Assessment tool and process guide was completed in December 2020. The tool was based on the work of an Equity Impact Committee that met for several years, including the leadership of Temi Bennet of the Consumer Health Foundation who helped fund and finalize the tool.
EQ 1.2: Develop an Equity Impact Assessment Tool to help the District immediately address racial inequities related to sustainability.	Short term	DOEE		4	DOEE's Racial Equity Impact Assessment tool and process guide was completed in December 2020. One training was held as part of a pilot in Summer 2020 at which point it was determined significantly more training, including on the history of racism in DC, will be necessary for tools to be successfully rolled out. DOEE's Equity and Engagement lead and Equity Committee are prioritizing this training in its work plan for 2021 and 2022.
EQ 1.3: Provide equity-focused training for all District Government employees.	Medium term	DOEE, DCHR	OHR	2	Many individual District Government agencies are holding small-scale racial equity trainings but trainings are not coordinated centrally. In November 2020, District Council passed the REACH Act which requires racial equity training for all District Government employees and establishes an Office of Racial Equity in the Council and in the executive branch.

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EQ 1.4 Focus community engagement on communities that have been historically under-represented.	Medium term	DOEE	EOM	1	Pockets of District Government agencies have prioritized underrepresented residents (including Black, Indigenous, and People of Color, and people with limited English proficiency) in their engagement processes. Examples include the Food Policy Council prioritizing locating meetings across the District, particularly in Wards 7 and 8, at times convenient to residents, and providing food at select meetings. DPR is also engaging non-English speakers, specifically Hispanic population, by delivering meetings and surveys in Spanish. Likewise, DCRA is launching ambassadors that work directly in each of the Wards, and DOEE focusing climate and sustainability work in Ward 7, Spanish speakers, and a East of the River communities for three specific priority projects.
BUILT ENVIRONMENT					
Goal 1: Sustainably and equitably accommodate future population growth within the District.	Timeframe	Lead Agency	Partner Agency		
Target 1: By 2032, accommodate the District's projected population growth while maintaining quality and affordability for those who need it most.	Ongoing				
BE1.1: Create and preserve energy- and water-efficient affordable housing (including low-income and workforce housing) that accommodates different family sizes.	Ongoing	DMPED	OP, DHCD, DCHFA, DCHA, DOEE	2	The Clean Energy DC Act, passed in 2019, continues to expand resources for low-income energy efficiency programs that include audits and retrofits. DOEE's Solar for All grants supported several public-private partnerships between affordable housing and District solar projects.
BE1.2: Expand brownfield redevelopment incentives.	Medium term	DOEE	DMPED, DHCD	1	Since 2013, DOEE has been supporting the implementation of the DC Brownfield Revitalization Act. Larger brownfield redevelopment and restoration programs continued progress in 2020 -- Poplar Point, Riggs Park, and the Anacostia River Sediment Project. DMPED has continued to support DOEE on their efforts to achieve this action. In 2019, DOEE released a Request for Proposal (RFP) to find a third party to establish a fee structure for a brownfield redevelopment incentive program, which is ongoing.
Goal 2: Strengthen existing neighborhoods to be vibrant and walkable while maintaining their historic character.					

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Target 2: By 2032, provide essential services within a quarter-mile walk, and a variety of services and amenities within a half-mile walk of all residents.					
BE2.1: Enhance programs to support businesses to open and operate in neighborhood commercial corridors, focusing on vacant and underused spaces. ○	Short term	DCRA	OP, DMPED, EOM, DHCD, DSLBD	1	During the public health emergency, the District made several partnerships with the Main Streets and Business Improvement Districts, to help local businesses ‘pop-up’ in vacant spaces throughout the District. DSLBA has also specifically supported several markets as they design as recruit makers, including in Southwest, Farragut, Georgetown, and U Street.
BE2.2: Encourage the development of affordable live-work units.	Medium term	DHCD	OP, DMPED	1	The Arts Place Development on South Dakota Ave has been designed to combine housing for 30 artist live-work units in the upper floors and an art incubator in the lower levels.
BE2.3: Locate affordable, high-density housing close to commercial zones and high capacity transit.	Long term	DHCD	OP, DMPED, DCHFA	2	Metro’s growth in ridership and service expansions have allowed for more compact development in the District, which reduces the need for single-occupancy vehicle trips and its associated greenhouse gas emissions. Metro continues to work with other agencies to promote high quality, more intensive development on and near Metro-owned properties. As a consequence, Metro reduces sprawl and traffic congestion, and preserves open space for recreational use and watershed protection. Requests for Proposals also specify transit proximity to accommodate high-density housing close to commercial zones.
BE2.4: Expand the Great Streets program to five streets east of the Anacostia River to strengthen walkable, accessible, and vibrant commercial corridors.	Long term	DMPED, DSLBD, DHCD	OP, DDOT	2	There are now four named Great Streets East of the River representing seven walkable commercial corridors. The number of streets did not increase, but the total space covered in these programs did increase.
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.					

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BE3.1: Rehabilitate public housing to be energy- and water-efficient, equipped to meet net-zero energy standards, and to provide a healthy environment for occupants.	Long term	DCHA	DOEE, DMPED	1	DCHA performed a physical needs assessment of its housing portfolio that included energy audits of properties in Fall 2020, continuing through Winter 2021. DCHA's contractor will compile their findings in the Spring of 2021, to be used for capital improvements projects inline with the District's climate and sustainability goals.
BE3.2: Develop a green building workforce by training built environment professionals and building operations staff in the latest green skills.	Short term	DOES	DGS, DOEE, DCPS, UDC	2	In 2020, DGS had Boiler Plant Operators undergo building re-tuning training and coaching to enhance their skills in improving building operations and identifying energy-savings opportunities. There are currently 17 Operators enrolled in the training courses funded by DGS using rebates from the DC Sustainable Energy Utility.
BE3.3: Build public-private partnerships to expand best practices for building operations and maintenance.	Short term	DGS	DOEE, OP3, UDC, DCPS	1	DCPS will partner with DGS to implement an Energy Savings Agreement (ESA) Pilot across approximately 25 schools in FY21. Through a public-private partnership, companies will pay for all upfront costs associated with energy retrofits, share energy savings with the District, and use their share of the energy savings to realize a return on investment. This program enables DGS and DCPS to achieve energy savings and greenhouse gas reductions at no cost to the District. This multi-year effort will identify qualified vendors and result in upgrades and scopes of work for each school.
BE3.4 Retrofit and maintain all buildings owned by the District Government to reduce energy use by 50% and maximize the installation of renewable energy technology.	Long term	DGS	DOEE	1	DOEE has continued its partnership with DGS to work on completing the Strategic Energy Management Plan (SEMP) for reducing energy and water usage across DGS' portfolio of buildings as mandated by the Clean Energy DC Act. The SEMP is required to include timelines and cost estimates to implement the Energy Retrofit Program (ERP) across 9 percent of DGS' building portfolio to achieve at least 30 percent reduction in energy consumption and greenhouse gas emissions. DOEE and DGS are also continuously seeking to identify funding opportunities to install solar on District government owned buildings and public spaces, or make them solar ready, such as roof repair or replacement. DGS has developed a pipeline of applicable projects, should funding become available.
BE3.5: Complete energy assessments of all District homes and buildings.	Medium term	DOEE	DC SEU	1	Energy audits and assessments continued to be completed by existing DOEE and DCSEU programs for District homes (including low-income) and buildings (including single family and multifamily). DOEE also participated in working groups convened by the Public Service Commission to help develop and structure new energy efficiency programs to be implemented by the natural gas and electric utility companies as an ongoing process.

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Goal 4: Ensure the highest standards of building performance and operation for all new construction, including net-zero energy use, while advancing health and overall livability.					
Target 4: By 2032, meet net-zero energy use standards with 100% of new construction projects and develop policies or regulation to improve the sustainability, livability, and resilience of new development.					
BE4.1: Require higher levels of energy efficiency, renewable energy requirements, net zero standards for new construction, and broader sustainability metrics for public projects.	Long term	DOEE	DGS, DCRA, DCPS, OCA	1	The District has prioritized building world-class schools that advance health, happiness, productivity, and learning while minimizing buildings' environmental footprint. As of 2020, 52 schools, including those buildings still under construction, were designed for LEED certification. Of those, five schools were designed for LEED Platinum certification. All new DPR recreation centers are certified LEED Silver or higher, and Metro requires higher levels of energy efficiency in new buildings and equipment upgrades, and adopts the LEED framework as a best practice to achieve full life-cycle cost analysis, increased energy efficiency, and reduced operation costs.
BE4.2: Provide incentives for new building projects to achieve net-zero energy.	Medium term	DOEE, DCRA, OTR	EOM, DMPED	3	In December 2020, DOEE published the third request for applications (RFA) for Building Innovation Design Assistance, to support projects pursuing net zero energy (NZE), as well as projects committed to measuring and reducing embodied carbon. This RFA can support up to \$85,000 in grants, which are in the process of being awarded Spring 2021. DCRA's NZE incentive pilot program has \$20,000 remaining to award. There is no additional funding identified from the DC Sustainable Energy Utility to support an extension of that program. DOEE staff are exploring additional incentives, both financial and structural, that could be offered in the near term.

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BE4.3: Incorporate sustainability best practices into neighborhood planning.	Ongoing	OP	DOEE, DMPED	1	The Office of Planning launched the Congress Heights Small Area Plan in 2020, which is an equitable development plan for Congress Heights and adjacent neighborhoods in Southeast, DC. By working with the residents and community stakeholders, the effort will use the racial and socio-economic equity goals established in the Comprehensive Plan update to establish a vision for the future of Congress Heights, serve as a toolkit for Congress Heights stakeholders to lead conversations around equitable community development, and guide District implementing agencies and developers on community needs and priorities.
BE4.4: Continuously adopt the latest green construction codes.	Ongoing	DCRA	DOEE, DGS, EOM, DCPS	2	The 2017 DC Construction Codes went live in May 2020, including updates to the Energy and Green Construction Codes. Appendix Z to the Commercial provisions of the Energy code provides a voluntary net zero energy compliance pathway. Planning is already underway to begin development of the 2023 DC Codes which will be based on the most recently released national model codes.
BE4.5: By 2026, update the building energy codes to require that all new buildings achieve net-zero energy use or better.	Medium term	DCRA	DOEE	1	The CCCB has officially launched the development of the next DC Construction Code, anticipated to be adopted in 2023. DOEE and DCRA are engaged with the New Buildings Institute to chart a path for DC Energy Code to achieve net zero energy, with updates in 2023 and 2026.
CLIMATE					
Goal 1: Reduce greenhouse gas emissions from all local sources to put us on track to eliminate emissions by 2050.	Timeframe	Lead Agency	Partner Agency		
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	OCTO	2	The District launched two awareness campaigns to help residents and businesses reduce their energy costs while coping with the financial impacts of COVID-19. These include the #here2HelpDC campaign, which helps residents and businesses find and access energy-related financial resources, and the Reduce Energy DC initiative sponsored by Pepco, the DC government and other partners.
CL1.2: Report District emissions annually to track the reductions that can be attributed to specific initiatives.	Ongoing	DOEE	DGS, DPW, DDOT, DCRA, OPC	4	DOEE continues to report the District's greenhouse gas emissions to the Carbon Disclosure Project (CDP) on an annual basis, -- which has now been institutionalized into DOEE's annual work. Climate Ready DC data and District greenhouse gas inventories are available online. The most recent data from 2018 shows the District has reduced its districtwide greenhouse gas emissions 27 percent since 2006.

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CL1.3: By 2020, develop a plan to achieve carbon neutrality by 2050.	Short term	DOEE	DDOT, DPW, DGS	3	DOEE launched public outreach for the Carbon Free DC plan in Fall 2020, to shape our vision for a healthy, safe, equitable, and carbon-free by 2050. Those visions and ideas from stakeholders on policy and program ideas will guide the final strategy, to be released in 2021.
CL1.4: Measure and eliminate methane gas leaks into the atmosphere throughout the District.	Long term	DOEE	OPC	1	No new progress
Goal 2: Advance physical adaptation and human preparedness to increase the District's resilience to climate change.					
Target 2: By 2032, require 100% of new buildings, major infrastructure, and neighborhood plans to consider climate risks and identify adaptation solutions.					
CL2.1: Evaluate and reduce the vulnerability of the District's transportation, energy, water, and telecommunications infrastructure to the anticipated impacts of climate change.	Medium term	DOEE	HSEMA, OP, DGS, DDOT, DC Water, OCTO, UCC, ORM, EOM	1	In 2020, the Climate Resilience Design Guidelines were published, addressing the need for resiliency measures throughout the District. DC Water also developed a flood mitigation plan for critical water infrastructure, alongside DDOT and HSEMA continually evaluating flood risks in Buzzard Point SW, where residents are susceptible to a 500-year flood. HSEMA is working with DC Water on the protection of critical infrastructure, including the pump stations, as well as DC Water's continued construction of the Blue Plains seawall.
CL2.2: Improve emergency and community preparedness to respond to climate change events including extreme heat, storms, and flooding, with a focus on the most at-risk populations.	Medium term	HSEMA	MPD, FEMS, DOEE, OP, DCHA, DPW, DC Water	2	The HSEMA Resilience Bureau Community Outreach Team continues to engage District communities and disseminates on a broad range of hazard specific information including extreme heat, storms and flooding with an emphasis on informing at-risk populations and individuals with disabilities. New fact sheets related to urban heat were released, focus groups were held, and a survey was conducted to get feedback on comprehensive heat planning. In support of extreme climatic events, DC Water has also expanded their backwater reimbursement program to eligible households in the separate sewer areas of the District.
CL2.3: Require all new development projects to assess climate risks and incorporate climate adaptation solutions.	Medium term	OP	DOEE	1	In 2020, the District published the Climate Resilience Design Guidelines. The Design Guidelines provides a methodology for conducting a climate resilience needs assessment and suggests steps for planning, designing, and constructing projects, to support resilient outcomes in the built environment. The guidelines can be utilized to inform new construction projects, as well as renovations and modernizations.

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CL2.4: Fully implement and regularly update the <i>Climate Ready DC Plan</i> , the District's plan to adapt to the changing climate.	Ongoing	DOEE		1	DOEE is currently working on publishing the 2021 Climate Ready DC progress report, working across District agencies to peruse climate resilience related work.
ECONOMY					
Goal 1: Grow and diversify the District's economy, focusing on sustainability, climate, and resilience industries.	Timeframe	Lead Agency	Partner Agency		
Target 1: By 2032 develop two times as many small District-based businesses.					
EC1.1: Provide training, financial assistance, and marketing for jobs in sustainability business start-ups, targeting strategic populations. ○	Medium term	DSLBD, DOEE	DMPED, DHCD, DMGEO, DCRA, UDC	2	No new progress
EC1.2: Coordinate with anchor institutions such as hospitals and universities to encourage purchasing from local sustainability-related businesses.	Ongoing	DOEE	DSLBD, OCP	1	OCP continues to manage and assist with vendor relations and the procurement activities that support providing greater opportunities to the local and Certified Business Enterprise business community.
EC1.3: Work with private partners to support new incubators and "maker spaces" with a focus on communities most in need. ○	Medium term	DSLBD, DMPED	DCPL, DMGEO, OP	1	Current incubators and maker spaces are on hold or have closed due to the ongoing public health emergency.
EC1.4: Increase the number of businesses that offer sustainable products and services by connecting them to third party certification programs. ○	Short term	DOEE	DSLBD, DMPED	1	DSLBD continues to; (1) Capacity building training for DC energy businesses via the SEICBPP (Sustainable Energy Infrastructure Capacity Building and Pipeline Program); (2) Increasing number of green jobs and green businesses by connecting small local businesses to capacity building resources via the DC Business Toolkit; (3) DSLBD supports Made in DC businesses that have held small conferences about sustainable supply chains. DSLBD also has supported several RiverSmart contractors and urban farmers through Aspire, Dream Grants, and general TA.
EC1.5: Provide training and connect District businesses to financial resources to operate more sustainably. ○	Short term	DOEE	DSLBD, DMPED	2	DOEE continues to hold several trainings each quarter for businesses to operate more sustainably. Similarly, DSLBD connects businesses to capacity building resources, including sustainability resources. Additionally, the District has generous environmental incentives for businesses available through the DC SEU, DOEE, and the DC Green Bank.

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EC1.6: Launch the DC Green Bank by 2020. ○	Short term	DOEE		4	The DC Green Bank has been launched in 2020, and is fully operational. See https://dcgreenbank.com/ for more information.
Goal 2: Train District residents to be competitive for livable wage jobs in growing industries such as sustainability, the environment, and resilience. ▲					
Target 2: By 2032, reduce citywide unemployment in severely unemployed populations by 50%. ▲					
EC2.1: Partner with the Workforce Investment Council to identify the fastest growing sustainability fields for future job training programs. ▲	Short term	DOEE, DOES	WIC, DMPED, DMGEO, DC SEU	0	No new progress
EC2.2: Help connect underemployed residents with jobs in sustainability with opportunities in growing fields. ○	Medium term	DOES, DHS	DOEE, DMPED	2	DHS has memorandum of understandings in place with DOES and the Office of Neighborhood Safety and Engagement to support Supplemental Nutrition Assistance Program (SNAP) recipients in participating in their programs, including programs focused on green construction and infrastructure training and employment.
EC2.3: Create new paid job opportunities in sustainability fields for young adults and high school students, focusing on populations with highest unemployment rates. ▲	Medium term	DOEE	DOES, DCPS, OSSE	1	DOEE's Solar Works program continues to train residents, working through the pandemic and transitioned its Green Zone Environmental and Green Fellows program virtually in 2020.
EC2.4: Track the economic impact of jobs in sustainability on the local economy. ○	Short term	DOEE, OP		1	No new progress
EDUCATION					
Goal 1: Ensure that every student in the District graduates with the knowledge to protect and restore their local environment. ▲	Lead Agency	Partner Agency			
Target 1: By 2032, teach 100% of children in the District about environmental and sustainability concepts. ▲					

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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. Δ	Medium term	DGS	DCPS, DCPL, DPR, DOEE	2	Over 50 percent of the DCPS portfolio has been fully modernized. As of 2020, 52 schools, including those buildings still under construction, were designed for LEED certification. Of those, five schools were designed for LEED Platinum certification. All schools are targeted to complete modernization by 2035. DCPS also provides "Green Cleaning" resources to its custodial staff, and encourages adoption of sustainable specifications for cleaning products published under the Office of Contracting and Procurement, Sustainable Purchasing Program. DPR has also completed the modernization of recreation centers to reduce their environmental footprint, and have sustainable operations such as the Fort Stanton new solar well pump and solar panels, and the Lafayette Recreation center renovation and expansion is ongoing to offer a more energy efficient space for an expanded programming.
ED1.2: Implement a program to encourage all District schools to adopt healthy, green, and sustainable practices. ○	Long term	DOEE, OSSE	DCPS	2	In FY20, OSSE piloted the Capital LEAF (Leaders in Environmental Actions for our Future) program to recognize green, healthy, and sustainable schools in the District. In the 2019-20 school year, OSSE began field testing the recognition process with a small number of schools representing DCPS and charter elementary, middle, and high school students from almost every ward in the District. Due to the COVID-19 public health emergency, not every school remained actively involved in the initiative. The schools that completed the field test included Cardozo Education Campus, DC Bilingual Public Charter School, Key Elementary, Marie Reed Elementary and Whittier Education Campus. Feedback from these schools will be integrated into the program pilot, which is planned to launch in the 2020-21 school year.
ED1.3: Implement the Environmental Literacy Plan. Δ	Short term	OSSE	DOEE, DCPS	3	OSSE completed the triennial update of the DC Environmental Literacy Plan in coordination with other District agencies, the updated plan was released in January 2021. COVID-19 impacted outcomes for environmental literacy grants and programs in the second half of FY20; however, OSSE adapted to the new operational realities under the public health emergency and continues to support schools in promoting health and wellness for all students and families. Prior to March 2020, 1,648 students received in-person environmental instruction from grant partners. Based on the School Healthy Profile and other data sources, over 200 school campuses engaged in varying degrees of environmental education. This includes 2,171 high school students enrolled in an AP or standard environmental science course. With the shift to distance learning, OSSE created a webpage with links to numerous resources District agencies and community organizations developed to support students, teachers, and families.

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ED1.4: Provide adequate support so that every student will have access to meaningful environmental experiences in elementary, middle, and high school. ○	Long term	DOEE, OSSE	DCPS, DOEE	1	OSSE created a webpage with distance learning resources created by environmental partners, which includes lessons, activities, and videos about watershed education. OSSE funds school gardens, and each School Garden Grantee is required to provide at least one meaningful watershed educational experience to an entire grade. OSSE created a Community of Practice to support the delivery of this requirement, and conducted a virtual training to help schools improve their watershed experiences in May 2020. These efforts offer ways to expand the use of the gardens aside from growing produce. OSSE also helped facilitate the distribution of watershed learning kits for students at summer meal food sites.
ED1.5: Provide dedicated scholarship funding to allow District residents of color to major in sustainability programs in higher education. ○	Long term	EOM	OSSE, DCPS, DOEE, UDC	1	No new progress
Goal 2: Expand community education and engagement on sustainability practices that will help residents live green lifestyles and save money. ○					
Target 2: By 2032, leverage resources to expose 100% of District residents living in underserved and underrepresented communities to sustainability events and initiatives in their neighborhood. ▲					
ED2.1: Increase District residents' awareness of sustainable living using culturally-relevant and community-driven materials. ▲	Short term	DOEE	OP	3	The Sustainable DC team during the COVID-19 pandemic prioritized online materials and social media posts that reflect community priorities during the public health emergency.
ED2.2: Increase participation of people of color in Sustainable DC community events, planning efforts, and implementation of programs and policies. ○	Short term	DOEE	DMGEO, OP, EOM	1	Sustainable DC ran two cohort-based programs in 2020 that focused on underserved communities during COVID-19. One focused on making the most of food, with a focus on families East of the River. This program is designed to lift up the ongoing efforts of communities to achieve the goals within Sustainable DC. The other cohort focused on community and individual mental health through outdoor healing action circles with a cohort of older women from immigrant communities.

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ED2.3: Recognize residents and community leaders for their sustainability achievements with awards and in public sustainability campaigns. ▲	Short term	DOEE	EOM	3	The District Sustainability Awards continued as a major part of this recognition in 2020, with the beginnings of shifts to center questions of equity and engagement. 2020 saw awards going to Anica Landreneau, for her service to the District of Columbia's Green and Energy Codes Technical Advisory Group (TAG) and the Green Building Advisory Council for her work authoring high-performance building codes, and contribution to the development of the Clean Energy DC. Due to the public health emergency, the 2020 awards committee focused on developing an engaging, thoughtful and virtual event to promote the incredible works of businesses and individuals across the District, focusing on recognizing diverse residents, community leaders, and businesses. DSLBD has also begun preparation to incorporate a Sustainability and Innovation category into their Small Business Awards.
ED2.4: Develop a list of actions that residents should take to help reach our sustainability goals based on data. ○	Short term	DOEE	OP, DDOT, DPW	3	During the COVID-19 pandemic, Sustainable DC developed a set of specific actions relevant during the challenging times of 2020 to address key sustainability issues of being at home, accessing food, maintaining connection to our natural environment, and staying both mentally and physically healthy.
ED2.5: Create and promote accessible opportunities for adults to learn and build connections to the natural world. ○	Short term	DOEE	DPR, DMGEO, UDC	2	As a result of the public health emergency, DPR launched #FITDC3, a year-long campaign initiated by Mayor Muriel Bowser and powered by AETNA to empower residents to take control of their health and promote wellness and true fitness for every body, mind, and community in the District, while staying safe at home. #FITDC3 offers a new, online health and wellness resource guide for free at home fitness resources to reduce anxiety during the stay at home order through exercise and meditation. The campaign is a response to the need for comprehensive approaches to strengthening immune systems, improving mental health, and adapting to a new and healthier lifestyle during the COVID-19 pandemic.
ENERGY					
Goal 1: Improve the efficiency of District-wide energy use to reduce overall consumption. ▲	Timeframe	Lead Agency	Partner Agency		
Target 1: By 2032, cut per capita energy use District-wide by 50%. ▲		DOEE			

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EN1.1: Expand regular tracking and disclosure of energy performance. ▲	Short term	DOEE	DGS	2	The Clean Energy DC Omnibus Act of 2018 lowers the size threshold of private buildings required to benchmark down to 25,000 square feet in 2022, and to 10,000 square feet in 2025. DOEE is encouraging smaller buildings to start reporting their data early to ensure they are well set up, and familiar with the process in advance of their required reporting year. The benchmarking program is offering personalized assistance to smaller buildings voluntarily, as a way to incentivize this early reporting. DOEE, in conjunction with the DCSEU, also offered free data verification services in 2020 for private buildings currently covered by the benchmarking law in anticipation of the first Building Energy Performance Standards.
EN1.2: Establish a Building Energy Performance Standard for existing large buildings. ▲	Short term	DOEE	DCRA	4	The Clean Energy DC Act passed in 2019, mandated the creation of a Building Energy Performance Standard.
EN1.3: Replace all street and public lighting with high efficiency fixtures that protect public health, reduce light pollution, and don't harm wildlife. ▲	Short term	DDOT	DGS, DCPS, DPR	2	DPR has adopted a LED standard lighting pole for all new projects to reduce light pollution in public parks and recreational amenities. In 2020, DPR completed the Legacy Metro Memorial Park improvements in 2020 , which included the installation of street lights and upgrading of the existing street lights to LED fixtures. To date 8,000 tons of green house gas emissions have been saved annually, and up to 60 percent energy savings.
EN1.4: Fully fund, implement, and regularly update the <i>Clean Energy DC Plan</i> , the plan to achieve the District's greenhouse gas reduction goals. ▲	Medium term	DOEE	DGS, EOM	2	The District made significant progress in implementing the Clean Energy DC Plan and the Clean Energy DC Omnibus Amendment.
EN1.5: By 2020, launch a citywide educational and behavioral campaign to lower citywide energy use and expand awareness of the District's resources for efficiency and renewable energy. ▲	Short term	DOEE	EOM, DCHA, DC SEU, DOEE	2	In partnership with OPC, DCSEU, and PSC the District launched the Here2HelpDC web page: https://here2helpdc.dc.gov , which outlines resources on energy efficiency kits, weatherization kits, Solar for All, ENERGY STAR rebates, and energy assistance programs. The web page also includes educational material on RPS and DC Power Connect. The District has released a Solar Finance Guide in partnership with the Clean Energy States Alliance to make the solar buying process easier for residents to understand. Additionally, the District has embarked on a solar education campaign called Solarize DC, which involves making presentations and sharing resources with District residents to explain the process of going solar.

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EN1.6: Launch a program to accelerate deep energy retrofits in at least 20% of all buildings. ▲	Short term	DOEE	DGS, DCHA, DC SEU	2	<p>The Building Innovation Hub is operational and has started developing technical support resources aimed at assisting building owners improve their building performance, available on the Hub's website and via their events calendar. The Green Bank has two products aimed at assisting building energy retrofits for BEPS compliance; (1) Commercial Loan for Energy Efficiency and Renewables, and; (2) Navigator, a pre-development loan. The DC Green Bank received \$12 million in FY20 to support clean energy and energy efficiency projects.</p> <p>To help the real-estate community identify and access financing opportunities, the Building Innovation Hub has provided a number of technical resources, including a database with financing and funding products. The 2021 Building Energy Performance Standards (BEPS) were established on January 1, 2021 through emergency rulemaking, which formally started the first compliance cycle of the District's BEPS program, giving buildings below their property type's standard 5 years to make a 20 percent energy improvement.</p>
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.		DOEE			
EN2.1: Reduce the use of fossil fuels for electricity generation and heating, and eliminate the dirtiest fuels by 2023. ▲	Medium term	DOEE	OPC	1	DOEE and DCSEU successfully implemented the Low Income Decarbonization Pilot Program (LIDP), to provided deep energy retrofits and installed solar photovoltaic systems on single-family homes owned or rented by low-income District residents that utilized natural gas or fuel oil as the primary source of heating and cooling. LIDP was designed and implemented in close coordination with the DC Sustainable Energy Utility to determine costs, lifecycle energy and green house gas emission savings, and road blocks encountered when converting natural-gas or oil fired heating systems to electric heat pumps in single family homes. The LIDP also provided the installation of energy efficiency measures to reduce energy consumption, and installation of solar PV systems to offset any increases in household electricity costs.

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EN2.2: Build and support commercial and residential renewable energy projects sufficient to get at least 5 percent of citywide electricity from local generation. Δ	Long term	DOEE	DC Water	2	<p>DCSEU has completed 7.4 megawatts of solar installations in FY20, which are estimated to provide benefits to approximately 2,119 low- and moderate-income households. The Public Service Commission registered 42.8 megawatts of Renewable Portfolio Standard (RPS)-eligible solar in 2020, which represents a 71 percent growth from 2019 solar registrations. At the end of CY20, there were 150.8 megawatts of RPS-eligible solar. This represents 102 percent of the effective RPS goal for solar installed capacity and 79 percent of Clean Energy DC.</p> <p>The Power Purchase Agreement (PPA) was initiated to install and operate a large solar photovoltaic system at DC Water's Blue Plains Advanced Wastewater Treatment Plant, with commercial operations scheduled to begin in 2021.</p>
EN2.3: Provide residents with renewable energy by default, sourced from regional wind and solar farms by 2023. Δ	Medium term	DOEE		1	In Formal Case No. 1017, Public Service Commission has issued an order requiring Pepco to buy renewable energy Power Purchase Agreement for 5 percent of scope of service in 2021. DOEE, along with other stakeholders, have been participating in this process.
EN2.4: Expand the use of renewable sources of heating and cooling. ○	Ongoing	DOEE	DGS, OP, DC Water	1	DC Water continues to operate the wastewater-sourced system to generate energy for conditioning of its headquarters, HQO. Sewage from the DC Water system is also used to heat and cool the American Geophysical Union headquarters. At DC Water's Blue Plains Advanced Wastewater Treatment Plant, steam from solid treatments is produced from biogas and treated effluent is used to cool hot solids and processes within the power plant. DC Water provided information to several private buildings with interest in evaluating wastewater as a thermal energy source in 2020.
Goal 3: Modernize energy infrastructure for improved efficiency and resilience. Δ					
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. Δ		DOEE			
EN3.1: Use smart meters and smart grid infrastructure to collect data on electricity use. Δ	Ongoing	DOEE	DGS, OCTO, OP, DDOT, OPC	1	No new progress

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EN3.2: Improve the reliability and resilience of the transmission and distribution of electricity, using smart grid technologies and distributed energy resources. △	Medium term	DOEE	OCTO, OP, DDOT, OPC	1	DOEE continued its work on existing Public Service Commission cases, and intervened in new relevant cases, and submitted comments and testimony as required, to help achieve this action.
EN3.3: Remove all barriers to modernizing electricity infrastructure to enable the deployment of neighborhood-scale energy systems and distributed energy resources. △	Medium term	DOEE	OCTO, OP, DDOT, OPC, DC Water	1	DOEE made significant progress in the US DOE-funded study, and anticipates it to be completed in 2021. DC Water also commissioned an evaluation of cost and major aspects of technical feasibility for the Buzzard Point sewer thermal system in 2020. The final report will be presented in early 2021.
EN3.4: By 2020, complete and begin implementing a neighborhood-scale energy system development plan to target high load growth areas and at risk communities. ○	Short term	DOEE	DC Water, OP, OPC	1	DOEE completed the development of the neighborhood energy map that shows the potential for clean, local energy resources in specific locations throughout the District. The analysis includes GIS mapping of locations with high heat-pump adoption potential, and DOEE identified the neighborhoods with the highest net zero energy potential, after considering the solar and energy efficiency potential of the buildings in those locations. DC Water continues to support development of neighborhood-scale energy systems, and has provided information to MWCOG and DOEE regarding inclusion of DC Water facilities as nodes or customers of such
FOOD					
Goal 1: Expand agricultural uses and production within the District. △	Timeframe	Lead Agency	Partner Agency		
Target 1: By 2032, put 20 additional acres, including public right of way and rooftops, under cultivation for growing food. △					
FD1.1: Implement the “ <i>Urban Farming and Food Security Act</i> ” and expedite the process to make public and private lands available for a variety of urban agriculture uses. △	Short term	DGS, DPR, DOEE	DOEE, DCFPC, OP, DDOT, DCRA, DC Health, EOM	2	In 2020, a new office in DOEE was created, the Office of Urban Agriculture, to lead the implementation of the private property urban agriculture tax abatement and the land lease program, in partnership with OTR and DGS, with OTR beginning to give property tax rebates to private property owners. FY20 allotted \$39,900 in tax abatements through the urban farm tax abatement program to 6 organizations. The director of the office of urban agriculture acts as cochair of the urban agriculture working group, that continues to facilitate important conversations and drive policy development.

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FD1.2: Develop food-producing landscaping on five acres of District public spaces distributed throughout all eight wards. ▲	Medium term	DGS	DOEE, DDOT, DPR, DCFPC, OP	2	DDOT Urban Forestry (UFD) has constructed 2 food forests on public land, with a third currently in design. UFD has also pursued a strategy of increasing the use of edible trees in plantings at multiple sites across the District, while also improving our initial orchard along Suitland Pkwy. The first rooftop community garden in DC at Edgewood Recreation Center is operational, and DPR distributed free vegetables to the community.
FD1.3: Develop and support school gardens and garden-based food system education to engage DCPS and charter school students. ▲	Short term	OSSE	DCPS, DOEE, DGS	2	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. OSSE awarded over \$600,000 in school garden grant funds over fiscal years 2019 and 2020. OSSE continued implementing training for teachers on school gardens, including the Summer Institute for Garden-Based Teaching, which successfully pivoted to a series of virtual trainings during Summer 2020 due to the COVID-19 public health emergency.
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. ▲		DCFPC			
FD2.1: Identify and implement effective, innovative policies to recruit quality, full-service grocery stores to underserved areas. ○	Medium term	DCFPC, OP, DMPED	DSLBD	3	Significant progress was made to advance healthy food access and the connection to food as medicine through the establishment of four new healthy food retail stores in Ward 7 and 8. DMPED specifically funded one of these, Good Food Markets, through a Neighborhood Prosperity Grant. DSLBD has also supported the Good Food Markets program through its own funding and Technical Assistance. The DCFPC has also begun research into how people East of the River are currently spending and where people are shopping. Big name grocers want to know about customer buying power, customer demand, and not just the information about the existing grocers sales East of the River, knowing that demand is lost to neighboring wards and jurisdictions. Representatives from DSLBD, DCFPC, and DOES participated as chairs of a sub working group of the Food Policy Council and recipients of the SEED Fellowship to work on supporting small full-service grocery development and food cooperatives.

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FD2.2: Provide financial support and technical assistance to small retailers and mobile food vendors to expand healthy, culturally-appropriate food options for neighborhoods with limited access to fresh and healthy food. ○	Short term	DSLBD	DC Health	2	No direct progress was made this year due to the COVID-19 pandemic, but DPR's Food to Fridge program placed refrigerators stocked with free and fresh restaurant provided meals across the District to help residents in need. The District will also provide up to \$1 million in public funding for the Nourish DC Fund to a partnering fund manager (a Community Development Financial Institution or Community Benefit Organization). The Fund will provide a combination of grants, loans, and technical assistance to local food businesses in underserved communities, with a preference for businesses owned by residents of these communities.
FD2.3: Expand and promote food assistance programs at grocery stores, farmers markets, and corner stores citywide. ▲	Medium term	DC Health	DSLBD, DHS	2	DC Health, in partnership with DOEE, and FPC, worked to bring Produce Plus online for ease of sign-up and distribution during COVID-19. In response to the public health emergency, a coordinated emergency food response was established across DC government and convening of emergency food providers. DSLBD has been participating as chairs of a sub working group of the Food Policy Council and the SEED Fellowship to work on supporting small grocery development and cooperatives. DSLBD has also provided one-on-one referrals regarding EBT cards, and we have made grants to corner stores to upgrade infrastructure to allow for more onsite refrigeration in Wards 7 and 8.
FD2.4: Support evidence-based nutrition and cooking education efforts across all populations to help residents make healthier choices. ○	Short term	DC Health	DCFPC, OP, DSLBD, UDC	2	The DCFPC's Nutrition Education working group has begun a nutrition education landscape assessment to determine the programs that operate in the District, their overlap, outcomes, best practices, and target populations to better understand how to best measure and achieve collective outcomes for District residents. This landscape assessment will aid in better informing policy recommendations in the future.

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<p>FD2.5: Implement the Nutrition Education Plan to make nutrition education as comprehensive as possible and to nurture students' healthy eating habits. ○</p>	<p>Medium term</p>	<p>OSSE</p>	<p>DCPS, DCFPC, OP, UDC</p>	<p>2</p>	<p>The DCPS Food and Nutrition Services team continues to maintain a thoughtful food services contract, partnering with local non-profits to incorporate healthy eating habits into class time, partnering with embassies to introduce students to new foods, frequent sampling of menu items with students and adults, as well as collecting data from students to increase the palatability of healthy foods. Of the 110 public and public charter campuses in the District with active school gardens during the 2019-20 school year, 73 included edible gardens, which were used to teach nutrition courses. Among the schools with active school gardens; 76% taught nutrition, and 60% taught cooking. During the 2019 Strawberries & Salad Greens Day, which was hosted on June 5, 2019, 152 schools and child care facilities registered to participate by either serving locally grown strawberries and/or salad greens as part of their school lunch, or by hosting an educational station during the school day or during after school programming. In 2019, OSSE expanded Strawberries & Salad Greens Day to include child care facilities and developed a resource guide, which included age-appropriate educational materials and activities for child care facilities to utilize. The 2020 Strawberries & Salad Greens Day, which was scheduled for June 3, 2020, was cancelled due to the public health emergency associated with the COVID-19 outbreak.</p>

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<p>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. ▲</p>	<p>Medium term</p>	<p>DCFPC</p>	<p>OSSE, DCPS, DHS, DOC, OCP, DBH</p>	<p>3</p>	<p>In the 2018-19 school year, 45 percent of locally produced items for District school meals came from 100 miles of DC. 18 percent of locally produced items came from within 100 miles of DC during the first three quarters of the 2019-20 school year. Eighty seven farms provided local foods to District schools during the 2019-20 school year. The Healthy Tots Act of 2014 provides a five cent enhanced meal reimbursement for every lunch or supper served through the Child and Adult Care Food Program that contains at least one component that meets the definition of locally grown, unprocessed food. The Healthy Tots team has partnered with FRESHFARM (formerly Community Foodworks) to provide locally grown fresh fruits and vegetables to childcare centers around the District. The program, called the Early Learners Market Share, allows for FRESHFARM to aggregate fresh produce from local vendors in order to offer competitively priced fruits and vegetables to childcare facilities that do not necessarily have the purchasing power to buy wholesale. In 2020, in the months following the COVID-19 pandemic and the stay at home order, FRESHFARM began distributing the market share directly to family instead of child facility sites, where many remain closed or restricted. They shifted their model from subsidized to free distribution, as well as from pick-up to direct home delivery. From March to October, each enrolled family received a minimum of six meals worth of produce per week, amounting to 18-24 servings of fresh vegetables and fruits per delivery. Both the produce and direct delivery were provided free of charge. They were able to enroll nearly 700 families in the Family Share program during the COVID-19 closure.</p> <p>In 2020, DPR extended the Summer Meals Program through December. The DC Youth Meals Program features no-cost, grab and go afternoon meals for kids 5-18 years old. It focuses on healthy eating, fresh produce and nutritious sources of protein that can be found in each meal. DC Greens and the DC Food Policy Council are leading a DC Green Food Purchasing Program Coalition of organizations to try to get this policy implemented at a larger scale in DC, which have been included in proposed legislation (Healthy Students Amendment Act of 2017) before the DC Council. DC Office on Aging rebid their food service contracts which began in FY18 and include specifications for locally produced food and seasonal produce.</p>
<p>Goal 3: Develop and support the food industry as a vibrant and equitable sector of the local economy. ▲</p>					

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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. ▲		DCFPC			
FD3.1: Complete a comprehensive study of the District's food system and recommend policies to improve the current system. ▲	Ongoing	DCFPC, OP		3	The DCFPC published the Food Security and Food Access report as part of an ongoing effort to update the information in the previous Food System Assessment, and in response to the difficulties created and exacerbated by the COVID-19 public health emergency. This report provides information on the District's current emergency food programming and efforts of stakeholders within the food system to address food access and food insecurity since the start of the public health emergency. Recommendations for policy changes are included and will be updated in 2021.
FD3.2: Collaborate regionally on the creation of a local food hub and other facilities for aggregation, processing, and distribution of local food products. ▲	Medium term	DCFPC, DMPED	OP	1	The DCFPC Centralized Kitchen Study initial document has been completed by a consultant team and is undergoing internal review with expected publication in FY21. Continued work is being completed in conjunction with the Metropolitan Washington Council of Governments and HSEMA to determine opportunities for how the Centralized Kitchen Study may impact and help deliver emergency food and water resources as part of crisis management and local-regional food systems development.
FD3.3: Develop a citywide workforce development strategy focused on expanding food sector jobs that promote public health and fair working conditions. ○	Medium term	DCFPC, OP, DOES, WIC	DOES, DSLBD, DMPED	4	The Make Food Work: A Strategy to Strengthen the DC Food Workforce, was released in early 2020. The Strategy provides a roadmap for improving job quality, expanding opportunities, and increasing equity within the food workforce and thereby the food economy in the District. Although the food economy is often considered as part of larger hospitality or tourism sectors, this report highlights the unique challenges faced by workers in the food economy and the unique opportunities to decrease unemployment and create meaningful career pathways within this industry. The Strategy leverages insights from stakeholder interviews, the February 2018 convening, and promising practices from across the country. In addition, the DCFPC developed a new Employer Guide To Promoting Workforce Development in the Food Industry in collaboration with DC Central Kitchen. This guide draws on interviews with District-based food business employers and distills tangible ways that employers can support their workers through training and connection to existing resources for support.
Goal 4: Prevent, reduce, and recover food waste. ○					

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Target 4: By 2032, reduce food waste by 60%. ○		DPW			
FD4.1: Conduct a food waste assessment to identify the types and quantities of food that are thrown away in the District. ○	Medium term	DPW	DCFPC, OP	0	No new progress
FD4.2: Educate businesses and institutions on how to prevent food waste, recover unused food, and understand liability protections. ○	Medium term	DPW, DC Health, DCFPC	DOEE, OP, ORM, DPR	2	DPW, DC Health, and DCFPC have been collaborating on the development of a best practices guide for food donations (required by the Save Good Food Amendment Act of 2018). The Sustainable Supply Chain working group started work on creating a guide to sustainable food practices, utilizing the EPA's food recovery hierarchy, which is aimed at utilizing more sustainable foods and creating a source reduction.
FD4.3: Incentivize food donations by businesses, schools, and institutions through policy changes. ○	Medium term	OTR, DME	DCFPC, OP, DPW, DCPS, OCTO, DSLBD	1	In 2020, DPR partnered with local restaurants to launch the Feed the Fridge program at eight DPR facilities across the District, to alleviate the effects of the COVID-19 public health emergency. Feed the Fridge places refrigerators stocked with free and fresh restaurant provided meals across the District to help residents in need. Feed the Fridge meals are “grab-n-go” and no registration or ID is required.
FD4.4: Educate residents and food related businesses on proper buying, storing, and disposing of food to minimize waste. ○	Medium term	DCFPC, DPW	DC Health, OP, DPW, DPR, DSLBD, DCPS	2	In 2020, DPW launched the Home Composting Program and the East of the River Compost Stewards Program. These two programs are geared towards spurring interest, providing sound education and guidance, and increasing access to composting options in the District. In addition, the Food Waste Drop-off Program continued its growth by collecting 32% more food scraps in FY20 as compared to FY19. DPR’s Home Composting Program launched, and switched to online training in 2020, where 600 residents were trained in first year. DPR’s Urban Garden Division continued the urban garden education program virtually. The Division created the free Advanced Grower Webinar Series every Tuesday between May and July, including over 20 free webinars taught by over a dozen local experts on a variety of advance gardening techniques and skills. The Division also created the free DPR Basics of Urban Growing Webinar Series for first time gardeners. This course is a 2-hour long webinar covering the basics of gardening only. DC Parks and Recreation Community Compost Cooperative Network uses new critter proof and smell proof compost bins designed by Urban Farm Plans to allow trained community members to compost food scraps with garden waste from DPR and partner DPR gardens to responsibly create high quality compost. To join each member must take an hour training and help process compost 1-hour a month.

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HEALTH					
Goal 1: Provide residents with resources to achieve healthy, active lifestyles, regardless of income, ability, employment, or neighborhood.	Timeframe	Lead Agency	Partner Agency		
Target 1: By 2032, 65% of residents get at least 150 minutes per week of physical activity. ▲		DC Health			
HE1.1: Collect data at parks and recreation centers, particularly in areas of low-use and low income, to improve planning and programming decisions. ○	Short term	DPR	DGS, OP, DC Health, OCTO	3	DPR continues collecting the following data districtwide, which informs planning and programming decisions: (1) Customer survey, distributed at the end of each season to all customers enrolled in any agency's programs; (2) Program demographics; (3) Program enrollment; (4) Fees paid to DPR; (5) Transportation and stagecraft requests; (6) DPR's quarterly program quality assessment; (7) Programmatic needs results from a statistically valid community survey on the recreational programmatic needs of the residents; (8) Daily site attendance for each outdoor pool, aquatic center, and recreation center; (9) Record of permits and reservations of DPR facilities, and; (10) Data of meals distributed per site. Additionally, the team released a districtwide survey to collect data online through https://ready2playdc.com/ , and at a few open recreation centers between November 2020 and April 2021. The survey included questions about amenities and programs in the District, which will be used to plan the future investments and improvements at parks and recreational amenities, and programs in DC for the coming 20 years. The promotion of the survey was reinforced in Wards 7 and 8 through posturing at different parks, playgrounds, recreation centers and schools that serve as the COVID-19 testing, vaccination and meal distribution sites, as well as retailers, and Metro stations.

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HE1.2: Prioritize community-driven strategies to support physical activity in unexpected but everyday spaces. ▲	Medium term	DPR	OP, DDOT, CAH	2	<p>During the public health emergency, DPR and Mayor Bowser offered 'Flatten The Curve Fitness' with #FITDC, which included free at home fitness resources to reduce anxiety during the stay at home order through exercise and meditation. Flatten the curve Fitness with #FITDC included morning sessions for adults, seniors, and kid friendly sessions. The campaign is a response to the need for comprehensive approaches to strengthening immune systems, improving mental health, and adapting to a new and healthier lifestyle during the COVID-19 pandemic.</p> <p>Other events also switched to a virtual mode like Teens Run DC, and DC Bike Ride Month. As a result of the COVID-19 pandemic, the usual summer camps offered by the agency were conducted virtually. DPR offered Camp-at-Home that included arts and crafts, culinary activities, science experiments and outdoor explorations.</p>
HE1.3: Design parks, open spaces, and recreational facilities to reflect the resident preferences and culture of the local population, and to accommodate a range of age groups and abilities. ○	Long term	DPR	DGS, OP, DC Health, DBH	2	<p>In 2020, DPR continues engaging in all the capital projects, including modernizations and small parks and stabilizations. The likewise surrounding communities were consulted for the designs of each project, so they will reflect the resident preferences and the culture of the population, as well as include activities for different age groups. DPR's planning team continued their Ready2Play engagement plan, which included virtual meetings with diverse stakeholder groups and community members to get feedback for Ready2Play DPR Master Plan. These groups included youth, community groups, and Spanish speakers.</p> <p>In Summer 2020, DPR's planning team launched a children's activity called "Young Park Planners" at the https://ready2playdc.com/ready2play-childrens-summer-activities website, including three activities for kids to design, write and explore park planning. These activities were responsive, as a means to share your final work with our planning team and help inform DPR's future planning for parks and recreation in DC</p>
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%. ▲		DC Health			

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HE2.1: Complete a new study on the intersection between the built environment and health to understand the social, environmental, and economic barriers to healthy outcomes. ▲	Short term	OP, DC Health	DDOT, DOEE, DGS, DPR, DBH	1	OP, DDOT, and DC Health completed 'Reimagining Outdoor Space: Restaurants and Retail – Guidelines for Expanded and New Outdoor Seating.' This effort focused on achieving the crucial balance of reopening restaurants while minimizing the spread of COVID-19. In addition, OP completed the Florida Avenue/New York Avenue Intersection Public Life Study, which includes recommendations for improving people's feelings of safety and comfort at the FL/NY intersection align with identified strategies in addressing the impacts of COVID-19, through ongoing public health responses and future recovery efforts.
HE2.2: Eliminate the human health impacts of contaminated sites in Washington DC and identify areas where new authority is required. ○	Long term	DOEE	DC Health, DMPED, EOM	2	DOEE accepted an invitation from the Centers for Disease Control and Prevention (CDC) to be a pilot site for CDC's Lead-Free Communities Initiative. DOEE will lead a multisector team in a yearlong project to identify new mechanisms for eliminating lead and other healthy homes hazards, supported by training and coaching from the Public Health Institute's National Leadership Academy for the Public's Health. With CDC funding, DOEE also awarded six grants to conduct outreach to vulnerable populations and to build community and workforce capacity to address housing conditions that put District children at risk for lead exposure and asthma.
HE2.3: Improve public safety through the development and implementation of resident-driven design, programming, and maintenance of streetscapes, parks, and other public spaces. ○	Medium term	DPR, OP, DDOT	DGS, MPD	2	DPR has worked with the community and other DC agencies to improve safety and enhance accessibility at their parks and recreation centers. In the FY20 budget, DPR continues to use Access and Security enhancement to implement security systems (cameras) and enhancements (lighting and fencing) at different recreation centers and parks. Additionally, DPR has engaged with MPD for the review of their projects and has involved the community during the design phase, to enhance safety through designs of parks. DGS and DPR have discussed with MPD and OCTO possible opportunities for collaboration between agencies to further increase security and safety in parks and recreation centers.

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HE2.4: Audit and eliminate environmental health threats (mold, lead, and carbon monoxide) in 100% of the Washington DC's public housing. Δ	Long term	DCHA	DOEE ESA, DHCD	2	<p>DOEE renewed its data-sharing memorandum of agreement with the DC Housing Authority (DCHA) to identify DCHA-assisted property addresses likely to contain lead hazards for investigation and remediation by DCHA. DOEE's Lead-Safe and Healthy Housing Division also refers households with lead hazards to DOEE's Lead Reduction Program, which provides funds from the United States Department of Department of Housing and Urban Development (HUD) to reduce lead-based paint hazards in low-income homes.</p> <p>The Lead Compliance and Enforcement Branch formed multiple partnerships within the branch, division and agency. This includes hosting, trainings, as well as providing case referrals. The partnership created within Department of Consumer and Regulatory Affairs assist in preventing projects that are not using lead safe work practices and obtaining permits for applicable projects in properties built before 1978 when required.</p>
HE2.5: Develop an interagency heat management strategy to minimize the injury rate associated with extreme cold and heat temperature days. ○	Short term	HSEMA, DOEE	OP, DPR, DDOT, DGS, FEMS, DHS, DPW, DBH, UCC, DC Health, DC Water	2	<p>DOEE has contracted a consultant to develop a Comprehensive Heat Strategy for the District to identify opportunities to cool the city and improve preparedness for extreme heat days, and in 2020 began public engagement. This project involves developing a heat map that identifies heat sensitive neighborhoods. DOEE also conducted a modeling analysis to better understand which cooling interventions are most effective, and the Heat Management Plan for shelters was released in May 2020. DDOT has a Heat Stress Prevention Program and Cold Stress Prevention Program, to prioritize tree planting in areas with the great heat island impact. The programs also define extreme weather conditions and offer instructions to employees and managers to be followed to protect against the elements. Both are available the department's intranet for all employee's use. DDOT uses DCGIS heat island information to prioritize shade-creating planting in higher heat risk areas.</p>
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%. ○		DC Health			

ACTION TEXT	TIME FRAME	LEAD AGENCY	PARTNER AGENCIES	2021 Progress	APRIL 2021 STATUS
HE3.1: Evaluate Health Impact Assessments as a tool for promoting health through new policies, practices, developments and renovations. ○	Medium term	DC Health, OP	DOEE, DMPED	2	In collaboration with OP and partnering District agencies, DC Health is conducting a pilot Rapid Health Impact Assessment (Rapid HIA) concurrently with the Congress Heights Small Area Plan process. Pilot Rapid Health Impact Assessment of Congress Heights in collaboration with OP, projected to be published in Fall 2021.
HE3.2: Study healthy community design principles for inclusion in all new affordable housing projects and major retrofits. ○	Short term	DHCD	OP, DOEE, DC Health, DDOT, DPR	0	DDOT development review does not differentiate between affordable or market rate housing, but it does review to ensure projects have a complete sidewalk network and a complete network to the nearest transit stop, as well as preservation of existing trees where possible and/or required. This is an ongoing function of development review.
HE3.3: Launch a comprehensive multi-level health literacy campaign across the District. ○	Short term	DC Health	DBH	0	Mayor Bowser launched coronavirus.dc.gov, which includes information on COVID-19 testing, vaccinations, reopening guidelines, food resources, operating status, data, and health guidance.
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	HSEMA	0	HSEMA has identified mosquitoes as an ongoing problem, but collaborative public awareness campaigns have not yet begun.
NATURE					
Goal 1: Protect, restore, and expand aquatic ecosystems. ▲	Timeframe	Lead Agency	Partner Agency		
Target 1: By 2032, protect, restore, and create 1,000 acres of critical aquatic habitat. ▲		DOEE			
NA1.1: Develop a Wetland Registry to facilitate restoration or creation of wetland habitat.	Long term	DOEE	DPR, OCTO, DGS	4	In May 2020, DOEE published an updated Wetland Conservation Plan and Wetland Registry. The Wetland Registry allows the public to view data collected during the inventory of District wetlands through a 'boots on the ground' analysis, and displays a map of all known wetlands in the District. The Registry does not replace the requirement to perform site-specific wetland delineations for land-use planning or development, but will help guide initial site level planning for development and restoration projects.

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ACTION TEXT	TIME FRAME	LEAD AGENCY	PARTNER AGENCIES	2021 Progress	APRIL 2021 STATUS
NA1.2: Plant and maintain an additional 150 acres of wetlands in targeted Conservation Opportunity Areas. Δ	Long term	DOEE	DPR, DGS	1	In 2021, DOEE and DPR commented on the interim record of decision issued by National Park Service on the restoration of the Kenilworth Park landfill. DOEE and DPR both recommended that restoration of 21 acres of tidal wetlands in Kenilworth Park to be included in the final record of decision. DOEE will advance designs for 5-7 acres of wetland restoration behind the seawall where Fort Dupont outfalls into the Anacostia River. This portion will daylight over 400 foot of stream, call for the excavation of fill material and restore wetlands in this area. DOEE will also contract designs for Oxon Run which will include wetland restoration opportunities along the stream corridor and at Oxon Cove.
NA1.3: Partner with developers to incorporate living shorelines in waterfront developments. Δ	Short term	DOEE	OP	1	DOEE will issue a grant in 2021 to an entity to develop a comprehensive restoration plan for aquatic habitat in the tidal Anacostia River corridor. The plan will identify opportunities for the restoration of wetlands, living shorelines, and submerged aquatic vegetation beds throughout the river corridor. Having this plan will help make DOEE eligible for future federal funding resources for restoration of aquatic habitat, as well as guide potential restoration projects which come from the Natural Resources Damage Assessment phase of the Anacostia River Sediment Project. This plan may also inform implementation of restoration projects on private property that abut the river.
NA1.4: Reduce threats to 75 aquatic species of greatest conservation need. ○	Long term	DOEE		1	DOEE continues to work on stream and wetland restoration efforts. The agency restored a tributary of Oxon Run and has undertaken planning for restoration of Oxon Run, Fort Dupont, Pinehurst Branch, and Stickfoot Branch. Additionally DOEE is working on a comprehensive habitat restoration plan for the mainstem of the Anacostia River to be completed in 2023. In addition to in-stream work, the District continues to reduce pollution going into waterways. To date 4.6 percent of District land area has been retrofitted with green infrastructure that prevents stormwater runoff from becoming pollution. Furthermore, DOEE continues to address the issue of resident Canada geese, unchecked these animals decimate existing wetlands as well as wetland rehabilitation projects, and submerged aquatic vegetation, both of which contribute to habitat loss, erosion, and diminished surface water quality
Goal 2: Protect, restore, and expand land ecosystems. Δ					
Target 2: By 2032, restore, protect, create, or improve 2,000 acres of critical land habitat. Δ					

ACTION TEXT	TIME FRAME	LEAD AGENCY	PARTNER AGENCIES	2021 Progress	APRIL 2021 STATUS
NA2.1: Plant and maintain 10,500 new trees per year in priority areas to achieve 40% tree canopy cover by 2032. Δ	Ongoing	DDOT UFA	DOEE, DGS, DPR, OCTO	4	Tree planting numbers have exceeded annual goals for canopy cover and MS4 permit consecutively for three years despite the public health emergency. A total of 12,974 trees were planted in FY20, representing a collective effort of multiple partners, including DDOT, DOEE, Casey Trees, Pepco, General Service Administration, National Park Service and others. Additionally, DDOT has expanded its funding of tree-planting subsidies in partnership with DOEE and non-profit partners, in an effort to increase tree planting on private lands.
NA2.2: Remove invasive plants on 500 acres of critical habitat based on a strategic management plan. o	Medium term	DOEE	DGS	1	DOEE's River Corps members manually removed 19 acres of English Ivy, Porcelain Berry, Kudzu, Oriental Bittersweet, Beefsteak, Bush Honeysuckle, Bamboo, Wineberry, and Japanese Stilt grass, in CY20 at Branch Avenue, Pope Branch, Alger Park, Linnean Park, and Watts Branch. The Partners in the National Capital PRISM will be deploying a crew in summer 2021 to inventory and manage invasive species in restored habitats in the District.
NA2.3: Create or restore a minimum of 200 acres of meadow habitat. o	Long term	DOEE	OP, DDOT, DGS, DPR, DCHA, DHCD	1	DOEE and DDOT completed the creation of 2 meadow areas on public spaces, resulting in an additional 1.25 acres of meadow restoration in 2020. The additional acreage is part of an existing project located on outbound New York Avenue in the Fort Lincoln area. DOEE is working with DDOT to identify more locations for future meadow restoration.
NA2.4: Incorporate biodiversity and the use of native plants in green infrastructure on District Government land. o	Short term	DOEE, DDOT	OP, DPR, DGS	2	DOEE Green Area Ration review team is developing a native and non-native plant list for use in future Green Area Ration plans. Further, DOEE is developing regulations that will limit the sale and use of invasive, non-native plants in the District.
NA2.5: Create a habitat connectivity plan to guide restoration of viable, native habitats throughout Washington DC and in coordination with surrounding jurisdictions. Δ	Short term	DOEE	DDOT, OP, DPR, DGS, OCTO	1	DOEE will issue a grant in 2021 to an entity to develop a comprehensive restoration plan for aquatic habitat in the tidal Anacostia River corridor. Although focused on riverine habitat, the plan will include habitat in the 100 year floodplain The plan will identify and prioritize restoration projects, and will have the input and buy-in of agencies managing land in the watershed. Additionally, working with Federal and sister agencies DOEE used this and other similar projects to establish habitat corridors from within and connecting to neighboring jurisdictions. These habitat corridors will increase the instruct value, viability, and sustainability of habitats while providing for greater wildlife movements and reducing human wildlife conflict.

ACTION TEXT	TIME FRAME	LEAD AGENCY	PARTNER AGENCIES	2021 Progress	APRIL 2021 STATUS
NA2.6: Require the District Government to use native plants and trees in all landscaping and green infrastructure outside the roadway right-of-way. ○	Short term	DOEE	DDOT, DGS, OP	3	DOEE, in partnership with DDOT, DGS, and OCP developed the Environmental Specification Guidance for Native Landscaping. This document provides language to be inserted into contracting documents to utilize native plants in landscaping outside the right-of-way. DDOT continues to specify mainly native plants, with a focus on avoiding any non-native species which have the potential to displace native species. As DDOT continues to insulate our public forest resources from threats associated with a changing climate, trees are being analyzed with best practices with which are native nearby, and may be more tolerant of future anticipated climate conditions.
Goal 3: Improve human access to and stewardship of nature. Δ					
Target 3: By 2032, provide access to the natural environment or quality green space within a 10-minute walk of all residents. Δ		DPR, OP			
NA3.1: Improve the formal trail network for hiking and biking—prioritizing areas east of the Anacostia River—while balancing protection of habitat. Δ	Medium term	DDOT	DPR, OP	2	DDOT funded and constructed multiple projects throughout 2020, including; (1) trail maintenance in Kenilworth Aquatic Gardens and on Kingman Island for hiking; (2) the Metropolitan Branch Trail to Fort Totten and advanced designs for the Arboretum Bridge and South Capitol Street Trail; (3) the South Capitol St Bridge which includes two miles of new multi-use trails, and; (4) continues to administer the Trail Ranger program, in partnership with our grantee WABA. .
NA3.2: Increase the number of “nature play spaces” at District playgrounds. Δ	Medium term	DPR	DCPS, DGS	1	In 2020, DPR completed playground renovations with nature-inspired playground themes and equipment in W Street (Foxhall) Park, Carolina Park, Takoma Recreation Center and Eastern Market Metro Park, Petworth Park, and Alethia Tanner Park.
NA3.3: Create or improve small parks and natural spaces in underserved areas. Δ	Short term	DPR	DCPS, OP, DDOT, DOEE, DGS	2	DOEE has been coordinating with DPR to install landscape-based green infrastructure on park properties around the District. In 2020, DPR completed playground renovations with nature-inspired playground themes and equipment in W Street (Foxhall) Park, Carolina Park, Takoma Recreation Center and Eastern Market Metro Park, Petworth Park, and Alethia Tanner Park. To date, stormwater management practices have been implemented at Amidon Park, Congress Heights Recreation Center, Palisades Recreation Center, Fort Greble Recreation Center and Douglass Community Center. Projects located at Woody Ward (Benning Park) Recreation Center and Fort Stevens Recreation Center are under construction and in permitting (respectively).

ACTION TEXT	TIME FRAME	LEAD AGENCY	PARTNER AGENCIES	2021 Progress	APRIL 2021 STATUS
NA3.4: Provide informational resources on backyard wildlife habitats, native plant gardening, container and vertical gardening, and creating pollinator habitats. o	Short term	DOEE	DPR, DC Health	1	RiverSmart Homes Auditors met with 579 residents thus far in FY21. Each resident was given information about native plant gardening and resources to explore more deeply on their own. This information included one pagers about the benefits of native plants on stormwater retention and providing habitat for native to pollinators and wildlife, and the harmful affects of invasive plants on their native counterparts. Thus far in FY21, RiverSmart Homes installed more than 197 native plant gardens throughout all 8 Wards of the District.
NA3.5: The District Government will incorporate nature into the places we live, play, and work, to reduce stress and improve health – known as biophilic design.	Medium term	DOEE	DGS, DCPS	1	DPR is working on the renovation and repurposing project of the Joy Evans Therapeutic Recreation Center which will include incorporating biophilic design principles to create the building and surrounding area into the premier therapeutic center in the District.
TRANSPORTATION					
Goal 1: Improve connectivity and accessibility through efficient, integrated and affordable transit systems.	Timeframe	Lead Agency	Partner Agency		
Target 1: By 2032, increase use of public transit to 50% of all commuter trips in all wards. Δ					
TR1.1: Expand high capacity transit on high ridership corridors. Δ	Medium term	DDOT, WMATA		2	DDOT installed dedicated bus lanes on MLK Jr. Avenue SE and M Street SE as part of the District's COVID-19 response. DDOT also installed protected bus lanes on 14th Street NW in Columbia Heights, completed in November 2020. These projects added 4.2 lane-miles of bus lanes, bringing the total lane length to 6.2 miles. Construction is also underway on the 16 Street NW bus lanes, to be completed in early 2022. The updated design construction for the H and I Street NW bus lanes is scheduled to start in spring 2021. Planning and design for up to 10 additional bus priority projects is slated for FY21. WMATA coordinates closely with DDOT on these projects.
TR1.2: Improve transit connections to employment and activity centers from underserved areas. Δ	Medium term	DDOT	WMATA	2	During COVID-19, WMATA actively sought to continue Metrobus service in high-ridership areas, which was concentrated in low-income neighborhoods. DDOT installed bus lanes on MLK Jr. Avenue SE connecting Anacostia to St Elizabeth. DDOT will lead additional planning in FY21 for this corridor to further support fast and reliable bus service. Planning for bus priority and safety improvements on Minnesota Avenue SE is also underway in FY21. As a goal throughout the District, DDOT is also advancing several projects to better serve currently underserved areas, including Pennsylvania Avenue SE and H Street NW.

ACTION TEXT	TIME FRAME	LEAD AGENCY	PARTNER AGENCIES	2021 Progress	APRIL 2021 STATUS
TR1.3: Define and secure permanent funding for transit planning and improvements.	Short term	DDOT	EOM	3	The District of Columbia continues to honor its commitment to fully fund its share of WMATA funding. Additionally, DDOT's Bus Priority Program has secured an additional planner and dedicated funding in FY21. A Bus Priority Plan will be completed in FY21 to help identify future project and funding priorities.
TR1.4: Develop design guidelines to ensure transit systems are resilient to climate change. Δ		DDOT	DOEE, HSEMA, WMATA	1	WMATA has presented draft Sustainability Principles to their Board of Directors to provide guidance to advance sustainability projects and efforts including, improve energy efficiency and modernize infrastructure, enhance performance with an equity lens, and support engagement with stakeholders. WMATA is also initiating the development of a Resilience Implementation Strategy to identify risks and make cost-effective investments, to protect Metro's assets and operations from the adverse effects caused by extreme weather. The Strategy will deliver a agency wide framework to guide capital investment decisions.
TR1.5: Identify and remove the obstacles to families taking transit. ○	Medium term	DDOT	WMATA	1	No progress specific to this action in 2020, but Metro continues to improve the travel experience for families by implementing initiatives such as the SmarTrip® app to pay fares easier and safer, the new youth service unit within MTPD, and continuous engagement efforts between schools and the Bus Planning office.
Goal 2: Expand safe, connected infrastructure for pedestrians and cyclists. Δ					
Target 2: By 2032, increase biking and walking to 25% of all commuter trips in all wards. Δ					
TR2.1: Develop and maintain a safe and convenient citywide bicycle lane and trail network. Δ	Long term	DDOT	MWCOG	2	DDOT added 6.12 street miles of bike lanes in 2020, including 0.5 miles of off-street trail in 2020.
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. Δ	Medium term	DDOT		4	As of early 2021 Capital Bikeshare has 325 stations within DC, putting approximately 80 percent of the District's population within a quarter mile of a station

ACTION TEXT	TIME FRAME	LEAD AGENCY	PARTNER AGENCIES	2021 Progress	APRIL 2021 STATUS
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	MPD, DMV	1	DDOT added goals and strategies to moveDC, as a means to increase biking and walking. While the public health emergency reduced direct community engagement, DDOE launched the Slow Streets pilot and other creative use of public space during COVID-19.
TR2.4: Collect data to improve understanding of cyclist and pedestrian travel patterns.	Short term	DDOT, OCTO		2	DDOT made its bicycle and pedestrian count data publicly available on the DDOT website: https://ddot.dc.gov/page/dc-automated-bicycle-and-pedestrian-counters
TR2.5: Program crosswalks and traffic lights for improved safety and convenience of pedestrians, prioritizing children, older adults, and people with disabilities. ▲	Short term	DDOT		2	DDOT implemented over 230 Leading Pedestrian Intervals (LPIs) throughout DC, giving pedestrians a few seconds to start crossing before vehicular lights change, as a part of Mayor Bowser's Vision Zero programs. Additionally, DDOT extended crossing times at over 95 intersections in Northwest DC as part of the new Age-Friendly DC component of the Citywide Optimization Program (to be continued in all eight wards over the next three years).
TR-2.6: Ensure sidewalks are in good repair on at least 90% of District streets, prioritizing new sidewalk construction in pedestrian priority areas such as schools, parks, transit stops, and retail corridors. ○	Medium term	DDOT		1	DDOT has three Districtwide contracts that are actively repairing sidewalks. Additionally, porous flexible pavement is used around trees where appropriate instead of concrete, and the Safe Routes to School contract has been building new sidewalks around the District.
Goal 3: Enhance affordable, convenient transportation options to reduce dependency on single occupant vehicles. ▲					
Target 3: By 2032, reduce commuter trips made by car to 25%. ▲					
TR3.1: Encourage carpooling and carsharing. ▲	Short term	DDOT	DOEE	1	In light of COVID-19 impacts on commuter travel, goDCgo focused more on providing telework information and resources. However, goDCgo did still promote Carfree Day, Parking Day, set the groundwork to enroll schools in Carpool to School, and hosted a commuter challenge where carpooling was an option. In terms of carsharing, that information is always a part of regular communication via newsletters, social media, and outreach. A moveDC policy is to reduce dependence on SOV to 25 percent or less of commute mode

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TR3.2: Encourage private businesses to offer incentives to employees for transit, biking, and walking.	Medium term	DOEE, DDOT, DOES		2	In light of COVID-19 impacts on commuter travel, goDCgo focused more on providing telework information and resources. However, goDCgo did still promote Carfree Day, Parking Day, set the groundwork to enroll schools in Carpool to School, and hosted a commuter challenge where carpooling was an option. Additionally, WMCOG launched a pilot to financially incentivize people to take transit, bike, or walk.
TR3.3: Complete a study to understand the best strategies for reducing congestion for all without unfairly burdening residents with low incomes. Δ	Medium term	DDOT, DOEE	OP	3	DDOT's congestion pricing study is currently being reviewed and anticipated to be released in FY21.
TR3.4: Develop a strategy in response to autonomous vehicles. ○	Short term	DDOT	DOEE, DPW	4	The AV Strategy was completed and DDOT transmitted to the Council on April 7, 2020
TR3.5: Encourage and promote telecommuting and alternative work schedules for District Government employees. Δ	Short term	DCHR	DOEE	3	During COVID-19, all non-essential District Government employees (approximately 60 percent of total employees) have been telecommuting since the beginning of the COVID-19 pandemic. DCHR is determining what telecommuting will look like when employees return to their physical work locations.
Goal 4: Reduce greenhouse gas emissions and air pollution from the transportation sector. Δ					
Target 4: Reduce greenhouse gas emissions from transportation by 60%. Δ		DOEE			
TR4.1: Strictly limit idling engines.	Short term	DOEE ESA	DDOT	2	DOEE continues to promote its Citizen's Engine Idling Enforcement Pilot Program, which provides opportunities for District residents to assist in improving air quality. Under this program, citizens who would like to report violations of the engine idling regulation use the District of Columbia 311 Mobile App to report and submit information about violations in a manner that will allow for civil enforcement of the regulations. DOEE inspectors have provided guidance to citizens collecting evidence of engine idling and undertook enforcement for several engine idling cases based on evidence collected through the Citizen's Engine Idling Enforcement Program.

ACTION TEXT	TIME FRAME	LEAD AGENCY	PARTNER AGENCIES	2021 Progress	APRIL 2021 STATUS
TR4.2: Require the District Government to purchase green fleet and passenger vehicles. Δ	Medium term	DPW, MPD, OSSE	DDOT, DOEE	2	Beginning in 2020, DPW began mandating that all District fleet's Sedan replacements would be Electric or Plug-In Hybrid Electric (PHEV). There are currently 117 Electric or PHEV vehicles in the District's fleet and DPW will be receiving an additional 88 in 2021. DPW has also begun its first, two large scale electric vehicle charging station projects that will install 44 chargers at two facilities. Permitting is underway for six more facilities with another 83 chargers installed this fiscal year. DPW plans to begin testing two new types of electric vehicles in 2021 (Street Sweepers & Pickup Trucks). To reduce green house gas emission, DPW has also begun to replace refuse trucks and heavy plows with models that run on 100 percent biodiesel. These trucks have been found to reduce emissions by 75 percent over their diesel counterparts. The District fleet currently has 24 of these vehicles with another 84 set to arrive in 2021.
TR4.3: Encourage network of electric vehicle charging stations throughout the city. Δ	Medium term	DOEE, DDOT	OP, DFHV, DPW, PSC, WMATA	1	WMATA launched a Zero Emission Bus Program, and during 2020, initiated the electric bus test and evaluation project (partially supported by a Low No grant from the Federal Transit Administration). This project continues to incorporate 'electric bus ready' design in new bus garages, issued an request for proposals for renewable gas, and engaged utilities to identify required service availability and investments. Additionally, DDOT is in the final stages of preparing to establish and stand up a curbside charging program, which is estimated to launch in early 2021.
TR4.4: Fully electrify District-controlled buses, and work with regional bus systems to reduce regional bus emissions. Δ	Medium term	DOEE ESA	DDOT, OP	1	DDOT continues to move procurements forward to add additional electric buses to the Circulator fleet and share findings with WMATA as they continue to pilot electric buses themselves.
WASTE					
Goal 1: Reduce waste generated per capita in the District. Δ	Timeframe	Lead Agency	Partner Agency		
Target 1: By 2032, reduce per capita waste generation by 15%.Δ		DPW			
WS1.1: Develop a comprehensive Zero Waste plan with the objective of decreasing all citywide waste streams and achieving source reduction goals. Δ	Short term	DPW	DOEE, DPR, DGS, OP	1	The development of the Waste Characterization Study is ongoing, which details the tonnage and composition of the District waste stream by single family residential, multifamily, non-residential commercial and construction and demolition waste. The report will provide the underlying data needed to develop the District's zero waste plan, and is estimated to be published in Spring 2021.

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WS1.2: Study the feasibility of an equitably priced collection billing structure (like Save-As-You-Throw). ▲	Short term	DPW	DOEE	1	In late 2020, the Zero Waste Omnibus Bill was passed which requires DPW to study the efficacy of an equitably priced collection billing structure (such as Save-As-You-Throw). This study will commence when sufficient funding is appropriated.
WS1.3: Expand current bans and fees on waste products like expanded polystyrene and disposable bags. ▲	Medium term	DOEE	DPW, EOM	2	No new progress
WS1.4: Work with surrounding jurisdictions to develop and implement a regional approach to reducing plastic waste. ▲	Long term	DOEE, DPW	EOM	1	No new progress
WS1.5: Increase purchases of Environmentally Preferable Products and Services.	Short term	OCP, DOEE		1	OCP began the strategic planning and roll-out of its environmentally preferred products refresh. Due to the pandemic, EPPS refresh halted as the District government switched to teleworking and all focus was shifted to responding to the pandemic health emergency. As a work around, OCP is educating, training and raising awareness through; (1) adding EPPS categories list to the OAPT form used for Acquisition Planning; (2) alerting programs during the Acquisition Planning process of possible sustainable purchasing opportunities, and; (3) examining OPIFs and alerting programs of sustainable purchasing opportunities. OCP was recognized for sustainable purchasing in Information Technology and received the prestigious Green Electronics Certification 2020 EPEAT Award. In total, in FY20, DC spent \$11.6 million for EPP.
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. ▲		DOEE			
WS2.1: Reuse or recycle 50% of all commercial construction waste. ▲	Medium term	DOEE	DPW, DGS, DCRA	2	There will be more information on a baseline for commercial and demolition waste in the Waste Characterization Study. It is clear that construction waste is very much tied to economic development, and with it, construction. Based on the current codes, DCRA actively enforces construction waste goals of recycling or reusing 50 percent or more, of construction waste. DCRA and DOEE are exploring the potential to verify certain haulers and recyclers at 80 percent or more, making the District better able to track towards this action. There is a new action in the Comprehensive Plan regarding increasing recycling of construction waste.
WS2.2: Reuse 5% of total non-hazardous residential building materials. ▲	Long term	DOEE	DPW, DCRA	1	The 2017 DC Residential Energy Code specifically requires permit plans to include the reuse of demolition materials.

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WS2.3: Develop a greenhouse gas impact calculator for specific waste streams to support the development of a circular economy and guide further policy development. ○	Short term	DOEE	DPW	1	The results of the Waste Characterization Study are needed to further a green house gas impact calculator to; (1) inform development of a calculator, and; (2) establish baselines for green house gasses from solid waste.
WS2.4: Support the development of a locally based, circular economy by facilitating the separation of waste into commodity streams. Δ	Short term	DOEE	DPW	1	No new progress
Goal 3: Achieve zero waste citywide. Δ					
Target 3: By 2032, achieve 80% waste diversion citywide without the use of landfills, waste-to-energy or incineration. Δ					
WS3.1: Provide District Government-served households with three, right-sized bins for collecting compostable materials, recyclable items, and trash. Δ	Medium Term	DPW	DOEE	1	No new progress
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. Δ	Medium Term	DPW	DOEE, OP, DGS, DC Water	1	DPW continues to identify and vet opportunities within and without the District to establish new organics processing capacity via both anerobic digestion and composting. DC Water continues to study the technical, economic, and regulatory feasibility of accepting a variety of potentially digestible wastes at Blue Plains, and continues to work with DPW and other agencies as needed.
WS3.3: Increase the number of co-located (trash and recycling) receptacles that are publically accessible. Δ	Medium term	DPW	DOEE, OP, DPR, DCPL, OP, DGS	0	No new progress

ACTION TEXT	TIME FRAME	LEAD AGENCY	PARTNER AGENCIES	2021 Progress	APRIL 2021 STATUS
WS3.4 Aggressively enhance educational resources and outreach campaigns that educate residents, workers and visitors on waste minimization, recycling, and composting. Δ	Short term	DPW	DOEE, DPR, DCPL, OP	3	In 2020, DPW acquired a \$308,000 private grant from The Recycling Partnership to improve recycling behavior in the District. These funds will be used to host the widest reaching recycling outreach campaign to in Spring 2021. This outreach campaign will include residential cart tagging of 16,000 single-family households, dissemination of a multi-family educational toolkit for property managers and janitorial staff, 400 on-site inspections of multi-family properties by Solid Waste Education and Enforcement Program inspectors, and development of a refreshed recycling outreach campaign. Due to the public health emergency, these plans were shifted to 2021 and are expected to be implemented in the spring of 2021.
WS3.5: Expand the Washington, DC's product stewardship program to include additional product streams. ○	Medium term	DOEE	OP, DGS, DPW	1	No new progress
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 term	DPW	DOEE, OP, DPR, DCPL, DGS	1	In 2021, DPW will initiate a recycling outreach campaign, including, the disseminate a multi-family educational toolkit for property managers and janitorial staff, 400 on-site inspections of multi-family properties by Solid Waste Education and Enforcement Program inspectors, and development of a "refreshed" recycling outreach campaign.
WATER					
Goal 1: Improve the quality of waterways to standards suitable for fishing and swimming.	Timeframe	Lead Agency	Partner Agency		
Target 1: By 2032, make 100% of District waterways fishable and swimmable.		DOEE			
WT1.1: Encourage reduced use of personal care products, pesticides, and fertilizers that contain existing and emerging contaminants. Δ	Long term	DOEE	DPW, DC Water	2	DC Water runs public outreach campaigns on a regular basis, including recommendations to toss, not flush, drugs, grease, and wipes. DOEE's pesticides team continues ongoing outreach on making sure anyone applying pesticides is appropriately trained and certified. RiverSmart auditors met with 579 residents thus far in FY21. Each resident was given information about the harmful effects of fertilizer on our waterways and best practices in caring for your lawn without the use of fertilizer.

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ACTION TEXT	TIME FRAME	LEAD AGENCY	PARTNER AGENCIES	2021 Progress	APRIL 2021 STATUS
WT1.2: Create and adopt a salt management strategy for snow and ice removal that minimizes the use of road salt, and study alternatives to reduce Washington, DC's reliance on road salt. ▲	Short term	DOEE, DPW	DDOT, DC Water	2	<p>Over the last 1.5 years, DPW and DOEE have been developing a strategy for implementing a salt reduction pilot that will have minimal effects on plant life and biological oxygen demand, to reduce oversalting at DC Water facilities. The pilot will test more environmentally-friendly deicing alternatives to rock salt, such as calcium magnesium acetate. Snow plow drivers have been trained in the event 2 inches of snow hits DC, the pilot will be tested. The pilot is underway and results will be shared in 2021.</p> <p>As a supplemental project, DOEE is conducting a survey of commercial buildings and places of worship to learn what strategies are being using to manage ice on sidewalks, parking lots, and driveways, to find ways to encourage safe, environmentally-friendly practices. The survey has been developed, and outreach is just starting. The outcome will utilizes as a strategy for encouraging adoption of alternative practices.</p>
WT1.3: Provide education on how people can reduce stormwater pollution through good housekeeping, vehicle maintenance, proper lawn care, and pet waste management. ○	Medium term	DOEE		2	<p>Through the Green Wrench (GW) Program, pollution prevention education is being provided with the GW Education program with a target audience is auto-technical students. The program currently works with Ballou high school, and is having a cohort of 15 to 20 students every two month. GW Technical Assistance program provides shops with free compliance assistance with a goal of reducing virtual townhall workshop planning for Spring 20201. Green Wrench also sends out a newsletter with pollution prevention tips that are sent out to auto shops on a quarterly bases.</p>
WT1.4: Develop and implement an Anacostia River remediation work plan that restores fish and wildlife habitat while improving public access to the river. ○	Long term	DOEE		2	<p>DOEE has finalized the Anacostia Sediment Remediation Plan in 2020. DOEE will issue a grant in 2021 to an entity to develop a comprehensive restoration plan for aquatic habitat in the tidal Anacostia River corridor. The plan will identify opportunities for the restoration of wetlands, living shorelines, and submerged aquatic vegetation beds throughout the river corridor. Having this plan will help make DOEE eligible for future federal funding resources for restoration of aquatic habitat, as well as guide potential restoration projects which come from the Natural Resources Damage Assessment phase of the Anacostia River Sediment Project.</p>

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ACTION TEXT	TIME FRAME	LEAD AGENCY	PARTNER AGENCIES	2021 Progress	APRIL 2021 STATUS
WT1.5: Increase public access to water quality monitoring data for public waterways and develop partnerships to expand the scope of water quality monitoring. ○	Medium term	DOEE		3	DOEE awarded a grant to Anacostia Riverkeeper in 2018 to develop and implement the District's volunteer-based water quality monitoring program. Due to the outbreak of COVID-19 in 2020, Anacostia Riverkeeper and partners rethought volunteer science to train and retain new volunteers with virtual trainings. Between May and September 2020, Anacostia Riverkeeper, partners, and volunteers, from all 8 wards, collected and analyzed over 460 water quality samples over 20 weeks of monitoring. Since 2018, over 1,000 samples have been collected. Data collected from the water quality monitoring programs is published and updated on a weekly bases via public facing apps and database: Swim Guide, Water Reporter and CMC database. In 2019, DOEE acquired the EQUIS database to serve as the database for all of DOEE. The database will store both field and laboratory data, including the citizen science generated data and make all data available to the public. In 2020, EQUIS included historic ambient water quality monitoring data into the database. The inclusion of water quality data, and data entry, analyses, and reporting is ongoing.
WT1.6: Restore 10 miles of streams in the District. ○	Long term	DOEE		2	In 2020, DOEE completed the restoration of 442 feet of streams and 152 feet of gullies, and advanced the Environmental Assessment for 7,000 feet of stream restoration at Pinehurst Branch in the Rock Creek watershed. Four more parks are slated in the design faze for restoration and modernization throughout the District.
Goal 2: Reduce the volume of stormwater runoff. Δ					
Target 2: By 2032, implement green infrastructure practices to capture, retain, or reuse stormwater from at least 10% of the District's land area. Δ		DOEE			
WT2.1: Install and maintain four million new square feet of green roof. Δ	Medium term	DOEE, DGS, DCRA		4	Since 2012, there has been a total of 3.3 million square feet of green roof installed, bringing the District's green roof total to 4.7 million square feet, surpassing the goal. Green roofs can be used to comply with the District's stormwater management regulations. Further, DOEE continues to provide incentives for the installation of green roofs that exceed the stormwater retention requirements and green roofs that are not obligated to comply with the stormwater regulations.

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ACTION TEXT	TIME FRAME	LEAD AGENCY	PARTNER AGENCIES	2021 Progress	APRIL 2021 STATUS
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. Δ	Ongoing	DOEE		2	In FY21, 579 RiverSmart Homes audits have been conducted, including more than 100 audits in Wards 7 and 8. RiverSmart Homes transitioned to conducting stormwater audits remotely using online, virtual platforms during COVID-19 , and in person outreach and engagement efforts were put on hold. RiverSmart Homes and its grantees are in the planning phases and will begin rolling out a number of strategies to increase participation in underserved communities.
WT2.3: Incorporate neighborhood-scale stormwater collection into large-scale planning efforts early in the redevelopment process, including public right of way and parks. ○	Medium term	DDOT	DOEE, DC Water, OP, DPR, DGS	2	DC Water's work to assess, design, and install green infrastructure has continued throughout 2020 on schedule to address Combined Sewer Overflows via its Clean Rivers Program. DDOT and its partners have been actively creating new tree spaces, expanding existing tree spaces to accommodate growing trees, and encouraging the use of porous paving to facilitate enhanced infiltration of stormwater.
WT2.4: Grow the District's Stormwater Retention Credit Trading program. ○	Short term	DOEE		2	The Stormwater Retention Credit program has incentivized green infrastructure projects that have retrofitted nearly 20 acres of unmanaged area in the Municipal Separate Storm Sewer System, with over 10 additional acres currently in the design process. The District continues to refine the program to increase the demand for the Stormwater Retention Credits that insure the protection of the Anacostia and Potomac Rivers.
WT2.5: Streamline and coordinate incentive programs for combined green roofs and solar projects. ○	Short term	DOEE	DCRA	2	DOEE has revised the Stormwater Regulations Guidebook in January 2020 to include the combinations of Green Roof and Solar Energy generation.
WT2.6: Pilot a large scale network of green infrastructure with smart controls to better understand performance and inform future project designs. ○	Medium term	DOEE	DGS	2	DOEE continues to work with a grantee to receive a report on the results from the real time controls in a bioretention facility located at Jay Street, SE from March to June, 2020. The results indicate that the field performance of the best management practices outperforms its design. The results also suggest that an underdrain retrofit could potentially increase retention and functionality of the best management practices. These findings were consistent with a similar study using real time controls in bioretention facilitations along Nannie Helen Burrough's Ave.
Goal 3: Reduce demands for potable water and increase rainwater reuse.					
Target 3: By 2032, decrease per capita potable water use by 20%. Δ		DC Water			
WT3.1: Update the District building codes to increase water-efficiency standards and allow the use of alternative water systems.	Medium term	DCRA	DOEE	3	The 2017 DC Green Construction Code include improved water efficiency requirements, as do the alternative compliance pathways to the Energy and Green Construction Codes. Currently, and in the 2017 Green Construction Codes, greywater can only be used for external uses.

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WT3.2: Develop incentives for water-efficiency measures in landscaping and buildings.	Long term	DOEE	DCRA, DC Water	0	DOEE and DCRA does not currently have any incentives for water-efficiency. DC Water provides an incentive in their rate structure for water conservation by offering a discount to household customers for the first 4 hundred cubic feet of water used.
WT3.3: Pilot water efficiency projects in the District Government to lead by example. ○	Short term	DGS	DOEE, OCTO	1	DGS has made significant progress on the procurement to launch the Energy Savings Agreement (ESA) Pilot Program with an initial list of DCPS pilot sites. The capital projects undertaken as part of the ESA are expected to result in water savings.
Goal 4: Ensure safe, accessible drinking water. ○					
Target 4: By 2032, ensure 100% of District residents have access to clean, affordable drinking water. ○		DC Water			
WT4.1: Identify and implement the most effective steps to improve the resilience of the drinking water system to natural and human disasters. ○	Medium term	DC Water, DOEE	HSEMA, EOM	2	<p>In 2020, DC Water revised an authority-wide risk and resilience assessment that identified various risks and produced a Hazard Mitigation Plan to prioritize mitigation efforts. Working with HSEMA, critical infrastructure is continuing to be hardened with the protection of the pump stations, several of which have been hardened, as well as DC Water's continued construction of the Blue Plains seawall.</p> <p>DC Water facilitates an annual workshop to identify and schedule risk and resilience training and exercises over a multi-year frequency and collaborates in disaster planning exercises with the Washington Aqueduct. DC Water also collaborates with the Metropolitan Washington Council of Governments and regional water systems to identify and prioritize water source resilience strategies.</p>
WT4.2: Eliminate all lead service lines and plumbing from District Government-owned buildings. ○	Long term	DGS	DC Water	1	As District buildings are modernized, lead service lines are replaced

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WT4.3: Replace at least 1% of water pipes each year. ○	Ongoing	DC Water		1	<p>Spending constraints over the past year, including the negative impact of COVID-19 on revenue, have impeded our ability to achieve the goal of replacing 1 percent of our small diameter water mains with a number of projects have delayed and/or deferred. DC Water replaced 1.2 miles in FY19 and 3.3 miles in FY20. In FY21, DC Water is scheduled to replace approximately 8 miles followed by 11 miles in FY22, dependent on available funding. With the support of the District and DOEE's lead program, partial lead service lines on private property are replaced upon request with a 50 to 100 percent discount based on income. In FY20, 200 lead service line replacements were free or discounted, saving customers about \$600,000 in replacement costs. When a lead service line passes through both public and private space, DC Water will replace the entire line upon request, with DC Water paying for the public portion of replacement. In total, lead lines from 520 homes were replaced in FY20. Free lead testing kits are distributed by DC Water to all ratepayers to help identify the material type of unknown service lines, available upon request, and maintains a publicly-available map of lead service lines for every ratepayer residence.</p>
WT4.4: Work with the Washington Aqueduct to ensure that the District's drinking water is of the highest possible quality by protecting source water, addressing emerging contaminants, and upgrading drinking water treatment processes. ○	Long term	DC Water		1	<p>DC Water participated in a Potomac River spill response exercise with the regional water systems and regulatory agencies. DC Water also continued to work with the regional water systems, USGS, and MWWCOG to install water quality monitors upstream of water intakes to provide early warning contamination detection.</p>