

Department of Energy and Environment FY2021

Agency Department of Energy and Environment

Agency Code KGO

Fiscal Year 2021

Mission The mission of the Department of Energy and Environment (DOEE) is to improve the quality of life for the residents and natural inhabitants of the nation's capital by protecting and restoring the environment, conserving our natural resources, mitigating pollution, increasing access to clean and renewable energy, and educating the public on ways to secure a sustainable future.

Summary of Services DOEE is the leading authority on energy and environmental issues affecting the District of Columbia. Using a combination of regulations, outreach, education, and incentives, our agency administers programs and services to fulfill our mission. We work collaboratively with other government agencies, residents, businesses, and institutions to promote environmentally responsible behavior that will lead to a more sustainable urban environment.

2021 Accomplishments

Accomplishment	Impact on Agency	Impact on Residents
Established the nation's first building energy performance standards to retrofit and increase energy efficiency of the district's lowest-performing buildings.	The standards are designed to meet Mayor Bowser's Sustainable DC goals of reducing greenhouse gas emissions and energy consumption by 50 percent by 2032.	One of the most ambitious city climate action plans in the nation. Improving energy performance in our existing buildings has the potential to reduce carbon emissions by 10 percent District wide and is a driving force in the District meeting its carbon reduction goals.
Launching an Anacostia Green Boats program at Kingman and Heritage Islands.	This programs served as a great way to engage residents to come explore Kingman Island while also benefitting the Anacostia River with trash pickup.	Launched on Earth Day 2021, the Green Boats program offers free canoes for trash pickup on the Anacostia. Residents can check out a kayak or canoe for free—if they use it to paddle the Anacostia River while collecting trash, with boats available every Saturday through the end of August at Kingman Island, near RFK stadium. Boats can be booked online. DOEE strongly believes in equity and inclusion, that the Anacostia river be accessible to everyone, no matter which side of the river you live on.
Launched internal Racial Equity training workshops for DOEE staff and "Equity at DOEE" Lunch & Learn series	A series 3 workshops (optional) were offered multiple times (7 total sessions) between March and June 2021. An average of 59 staff participated in the 3 workshops, and staff responses were used to inform plans for the staff training and rollout of DOEE's Equity Framework. 115 staff members participated in the first Lunch & Learn session, and 87 participated in the second.	Additionally, DOEE has drafted an agency wide "lite" version of a Racial Equity Impact Assessment (REIA) Process Guide and Tool. The REIA Lite will be incorporated into DOEE's FY22 Equity Framework rollout, with agency wide piloting in FY22 Q2. The REIA will ensure that DOEE's programs are equitable and fair for all DC residents.

2021 Key Performance Indicators

Measure	Frequency	FY 2019 Actual	FY 2020 Actual	FY 2021 Target	FY 2021 Quarter 1	FY 2021 Quarter 2	FY 2021 Quarter 3	FY 2021 Quarter 4	FY 2021 Actual	Was 2021 KPI Met?	Explanation For Unmet KPI
1 - Conserve the natural environment and wildlife of the District, and restore and protect aquatic resources from pollution and degradation (3 Measures)											
Number of trees planted by DOEE to help the District meet its goal of 40 percent tree canopy coverage by 2032	Quarterly	3238	2390	2750	889	900	1108	393	3290	Met	
Percent of District land retrofitted with green infrastructure that prevents stormwater runoff from becoming pollution	Annually	4.1%	4.6%	3.8%	Annual Measure	Annual Measure	Annual Measure	Annual Measure	5.19%	Met	
Square footage of green roofs installed	Quarterly	616,566	649,641	300,000	393,901	170,177	153,786	166,228	884,092	Met	
2 - Protect the public health of all District residents by improving the environment in areas related to air, soil, and indoor pollution (4 Measures)											
Compliance rate of underground storage tanks inspected	Quarterly	86.1%	93.9%	85%	100%	93%	93%	100%	96.5%	Met	
Percent of National Emission Standards for Hazardous Air Pollutants (NESHAP) permits that receive an asbestos inspection	Quarterly	New in 2020	33.3%	25%	33%	39%	33%	31.4%	33.7%	Met	
Percent of children with a newly identified blood lead level of 5 µg/dL or greater, out of all District children less than six years old, who had a blood lead test during the fiscal year	Annually	0.4%	0.5%	1%	Annual Measure	Annual Measure	Annual Measure	Annual Measure	0.5%	Met	
Percent of properties with identified lead-based paint hazards that are issued an Administrative Order related to the identification of a lead-based paint hazard within 28 calendar days of the property's risk assessment	Quarterly	88.6%	84.8%	90%	100%	86%	81.8%	100%	92.7%	Met	
3 - Reduce the energy burden on the District's most vulnerable and low income populations, reduce overall energy consumption, and increase the use of renewable energy generated in the District, and enhance reliability, resiliency and environmental performance of energy systems in the District. (2 Measures)											
Number of low-income households receiving solar installations	Quarterly	8526	2732	2000	1852	416	532	29	2829	Met	
Compliance rate of energy benchmarking	Annually	95.9%	96%	90%	Annual Measure	Annual Measure	Annual Measure	Annual Measure	96%	Met	
4 - Increase engagement with District residents and businesses in an equitable way to increase understanding and adoption of sustainability practices, and implement programs and policies that ensure the District remains a national and international leader in sustainability and climate change. (2 Measures)											
Percent of greenhouse gas emissions reduction from the 2006 baseline year to meet 2050 goal	Annually	30%	27%	32%	Annual Measure	Annual Measure	Annual Measure	Annual Measure	31%	Nearly Met	The District has reduced citywide greenhouse gas emissions 31% between 2006-2019. Key drivers behind those reductions include greening of the region's electric grid, reduced energy use intensity of large/commercial buildings, increased vehicle efficiency combined with fewer vehicle miles traveled per capita. While we have continued to see efficiency improvements in both buildings and vehicles, the District has also continued to grow. While each new resident to the city adds a smaller share of additional emissions today than in 2006, the pace of growth compared to efficiency has slowed, as has the pace at which we are seeing our regional grid get cleaner, which overall is responsible for the majority of our reductions to date.​
Percent of actions in the Sustainable DC Plan complete	Quarterly	32.9%	25.3%	10%	3%	3%	8.4%	8.4%	8.4%	Unmet	Many partner agencies reported that they needed to focus on COVID priorities which slowed their progress on Sustainable DC 2.0.
5 - Administer efficient and effective environmental enforcement operations, strategies, and outreach that bring polluters into compliance with the District's environmental laws (2 Measures)											
Rate of Compliance with District Environmental Law Detected through Inspections	Annually	79.5%	89.8%	75%	Annual Measure	Annual Measure	Annual Measure	Annual Measure	85.98%	Met	

Measure	Frequency	FY 2019 Actual	FY 2020 Actual	FY 2021 Target	FY 2021 Quarter 1	FY 2021 Quarter 2	FY 2021 Quarter 3	FY 2021 Quarter 4	FY 2021 Actual	Was 2021 KPI Met?	Explanation For Unmet KPI
Air monitoring network performance- Percent of data captured for submitting to EPA's national air quality database	Quarterly	New in 2020	93.5%	75%	96%	96%	95%	96%	95.8%	Met	

2021 Workload Measures

Measure	FY 2019 Actual	FY 2020 Actual	FY 2021 Quarter 1	FY 2021 Quarter 2	FY 2021 Quarter 3	FY 2021 Quarter 4	FY 2021 Actual
1 - Natural resources services performed by agency (10 Measures)							
Number of RiverSmart Homes audits performed	1207	847	355	363	272	331	1321
Number of rain gardens installed by RiverSmart Homes	89	82	44	8	14	22	88
Number of stormwater management and erosion/sediment control inspections	6044	7083	994	925	1444	1280	4643
Number of Bag Law inspections	553	215	14	2	22	118	156
Number of Aquatic Resources Education Center visitors	6647	1206	0	0	244	903	1147
Number of Food Service Ware inspections	310	153	55	60	60	78	253
Number of Stormwater Retention Credits sold since program inception	New in 2021	New in 2021	1,105,769	1,133,407	1,187,278	1,364,378	1,364,378
Number of Construction Stormwater Inspections	New in 2021	New in 2021	194	144	175	194	707
Number of industrial stormwater inspections	New in 2021	New in 2021	0	5	21	26	52
Number of Stormwater Management Plan Maintenance Notices issued	New in 2021	New in 2021	5	5	19	12	41
2 - Environmental health services performed by agency (7 Measures)							
Number of contaminated site clean-ups under regulatory oversight in the District	27	104	27	27	28	32	32
Number of full-compliance evaluations of Title V facilities	20	5	5	8	2	9	9
Number of Significant Operational Compliance inspections of underground storage tanks conducted	84	72	12	15	14	15	56
Number of hazardous waste inspections conducted	91	48	12	23	28	19	82
Number of pesticide inspections conducted	76	56	35	24	31	40	130
Number of National Emission Standards for Hazardous Air Pollutants (NESHAP) asbestos permits processed	488	467	86	99	138	169	492
Number of leaking UST (underground storage tank) cleanups completed	New in 2021	New in 2021	7	8	1	3	19
3 - Energy services provided by agency (4 Measures)							
Number of low-income households receiving energy assistance	20,236	15,779	4716	4076	2132	2265	13,189
Number of low-income households receiving CRIAC Relief	New in 2020	4706	2631	1400	843	649	5523
Number of residents receiving assistance under the Lead Pipe Replacement Assistance Program	New in 2020	131	30	68	52	74	224
Number of low-income households receiving energy efficiency measures and services	360	402	1	104	184	201	490
4 - Sustainability and engagement activities performed by the agency (3 Measures)							
Number of businesses and institutions participating in sustainability pledges or challenges	826	330	405	425	525	532	1887
Number of social media posts and electronic communications containing environmental and sustainability engagement messaging	2900	2340	284	333	372	339	1328
Number of school visits, community meetings, and events where environmental and sustainability programs, activities, and initiatives are promoted	128	50	13	6	10	7	36
5 - Enforcement services performed by the agency (2 Measures)							
Amount collected from fines and penalties	\$390,892.3	\$229,082	\$50,188.3	\$32,806.6	\$13,325	\$34,095	\$130,414.9
Number of Notices of Infraction processed	481	312	27	14	21	163	225

2021 Operations

Operations Title	Operations Description	Type of Operations
1 - Conserve the natural environment and wildlife of the District, and restore and protect aquatic resources from pollution and degradation (1 Activity)		
Natural resources services performed by agency	The DOEE Natural Resources Administration oversees fisheries and wildlife, water quality, watershed protection, and stormwater management in the District. It provides certification, review, and technical services to businesses, Federal and District government agencies, and District residents through licensing, inspections, monitoring, permitting, and technical assistance. It also provides natural resources education and outreach and demonstrates new technologies to protect natural resources.	Daily Service
2 - Protect the public health of all District residents by improving the environment in areas related to air, soil, and indoor pollution (1 Activity)		
Environmental health services performed by agency	The DOEE Environmental Services Administration works to reduce hazards and contaminants in District land, air, water, and homes by certifying facilities and professional service providers, reviewing plans, issuing permits, conducting inspections, and recommending new policy directions. Specific programs include lead poisoning prevention, healthy homes, air quality, pesticides, hazardous waste, underground storage tanks, and contaminated site remediation.	Daily Service
3 - Reduce the energy burden on the District's most vulnerable and low income populations, reduce overall energy consumption, and increase the use of renewable energy generated in the District, and enhance reliability, resiliency and environmental performance of energy systems in the District. (1 Activity)		
Energy services provided by agency	The DOEE Energy Administration provides advice and recommendations to the Mayor on current or impending energy related problems, and serves as the lead entity to develop and implement a comprehensive long-range District energy plan to achieve maximum effective management and use of present and future sources of energy. It administers energy efficiency and renewable energy programs that help District residents use less energy and generate on-site clean energy, and provides direct financial assistance and discounts to low-income residents to help off-set their energy bills.	Daily Service
4 - Increase engagement with District residents and businesses in an equitable way to increase understanding and adoption of sustainability practices, and implement programs and policies that ensure the District remains a national and international leader in sustainability and climate change. (1 Activity)		
Sustainability and engagement activities performed by the agency	The DOEE Urban Sustainability Administration develops innovative policy and programming to address environmental challenges and increase sustainability in the District. It coordinates programs and communications with sister agencies, the Mayor's office, and non-government stakeholders to promote widespread adoption of sustainable practices through implementation of the District's Sustainable DC Plan, waste reduction initiatives, green building policy and programs, greenhouse gas emission reductions, and climate change resiliency planning.	Daily Service

Operations Title	Operations Description	Type of Operations
5 - Administer efficient and effective environmental enforcement operations, strategies, and outreach that bring polluters into compliance with the District's environmental laws (1 Activity)		
Enforcement services performed by the agency	The DOEE Office of Enforcement and Environmental Justice develops and implements effective practices to support DOEE enforcement efforts. The office works directly with DOEE's environmental enforcement programs by coordinating planning, providing training, developing standard procedures, and managing the civil infractions program. The office serves as the lead agency contact for enforcement matters involving U.S. Environmental Protection Agency (EPA) Region 3.	Daily Service
6 - Create and maintain a highly efficient, transparent, and responsive District government. (1 Activity)		
Operation services performed by the agency	Agency Support	Daily Service

2021 Strategic Initiatives

Strategic Initiative Title	Strategic Initiative Description	Completion to Date	Status Update	Explanation for Incomplete Initiative
Energy services provided by agency (5 Strategic initiatives)				
Conduct Competitive Capacity Market Withdrawal Study	In FY 2021, pursuant to the directive of the Council of the District of Columbia, DOEE will complete a "Competitive Capacity Market Withdrawal Study", through a grant, to evaluate and make recommendations regarding the District's continued participation or withdrawal from the regional transmission organization (PJM) capacity market. The study will evaluate the effects of the Federal Energy Regulatory Commission (FERC) decision that requires PJM to alter its bid pricing rules for its forward capacity market auctions to account for what FERC considers to be "out-of-market payments" or "state-subsidized" resources; the study then will describe the pros and cons of (1) continuing to buy capacity from PJM's forward capacity market and (2) participating in any alternative capacity markets in adjacent states that are, or may become, available to the District.	Complete	The report is complete, and all briefings to the stakeholders (environmental, institutional, and internal) have been provided.	
Implement new DC Municipal Aggregation Program (DCMAP) Contract	In FY21, DOEE will implement the revamped District of Columbia Municipal Aggregation Program (DCMAP) by working with a contractor to: 1) advise the District on energy market conditions; 2) serve as an energy broker to secure the best value for energy supply; 3) conduct customer recruitment and enrollment on a no upfront cost basis; 4) aggregate energy among small businesses through an opt-in process; and 5) design and implement a marketing campaign to promote awareness and increase participation in the program.	Complete	The contractor continued with outreach & enrollment activities, which included a second round of postcards to building with 50,000+ sq. ft, radio ads played over three stations, using pay-per-click Google ads to find customers and the call center calls began to make follow up calls. There were a 16 enrollment request received.	
Develop and Deploy a Market-Rate Solar Energy Adoption Campaign	In FY21, DOEE will create a program focused on supporting District residents in better understanding the benefits of solar energy and the opportunities adoption of solar energy presents. We will then deploy a campaign to provide residents with educational materials through the web, partnerships with other district agencies (e.g. PSC, OPC), engage k-12 students through Energy Education initiatives, and set up an e-mail hotline for answering questions on solar adoption. The initiative plans to: 1) Develop program elements; 2) Deploy marketing campaign for financial guide; 3) Revamp Solar Initiative Website to include updated information and resources; and 4) Perform extensive outreach via other agencies, ANC's, MOCR's, and schools to educate district citizens on their solar adoption options. DOEE will track the number of private solar permits (particularly on systems of 7kW or less), interconnection requests, website visits, outreach events, and education events.	Complete	DOEE published EnergySage partnership press release. Launch event followed to highlight new online resources. Since launch, over 400 new users have signed-up for more information on rooftop and community solar. DOEE completed working with local jurisdictions to promote Capital Area Solar Co-Op and successfully signed-up 178 residents, greatly surpassing original goal of 50.	
One Less Fossil-Fuel Peaking Plant	In FY21, DOEE will establish a new database, by collecting and synthesizing the necessary data from the regional transmission organization (PJM), EPA (Air Markets Program Data), and DOEE's benchmarking and electrification roadmap data (expected to be finished by early 2021), which will help DOEE to develop a peak demand reduction pilot program. This initiative is aimed at reducing the grid's greenhouse gas emissions caused by DC consumption, and therefore it is different from utility's Demand Response program that is primarily driven by the price of peak supply. The synthesized database can be updated annually to reflect the changing conditions of grid supply.	75-99%	All of the modeling and analytical work have been completed, but DOEE needs to purchase the data from a third-party to complete the task. This initiative will be completed in FY22-Q2.	All of the modeling and analytical work have been completed, but DOEE needs to purchase the data from a third-party to complete the task. This initiative will be completed in FY22-Q2.
Implementation of a Coordinated Weatherization Assistance Program and Lead Hazard Control Program	In FY21, DOEE will implement a coordinate energy efficiency program that will allow DOEE to provide seamless energy efficiency and lead hazard controls and provide best-in-class service to low-income District residents. It will integrate funding from three federal sources: the Low-Income Home Energy Assistance Program (HHS), the Weatherization Assistance Program (DOE), and the Lead Hazard Control Program (HUD). For the first time, DOEE received notice of a grant award from HUD in March 2020 and has been working to prepare for the implementation of a coordinated energy efficiency, health and safety and lead hazard control initiative.	75-99%	DOEE made great strides towards this effort, including receiving OGC and ORM approval for the grant awards, and beginning the process of conducting Lead Inspection and Risk Assessments (LIRAs) in the first set of applicant households. The initiative remains as 75% as DOEE will work to implement the actual measures in FY22.	DOEE made great strides towards this effort, including receiving OGC and ORM approval for the grant awards, and beginning the process of conducting Lead Inspection and Risk Assessments (LIRAs) in the first set of applicant households. The initiative remains as 75% as DOEE will work to implement the actual measures in FY22.
Environmental health services performed by agency (2 Strategic initiatives)				
Implement a New Automated Lead File Conversion Solution	To accelerate the availability of childhood lead surveillance data for medical and case management response, DOEE will identify contractors to develop and establish an Automated Lead File Conversion Solution. The solution will automatically detect, convert, and process incoming laboratory data into DOEE's Healthy Homes and Lead Poisoning Surveillance System and interface the data with the new DC Lead Registry. Anticipated benefits include fewer data errors, real-time detection of new lead cases received outside normal business hours, and seamless onboarding of new laboratory and point-of-care testing sites.	25-49%	Tested trial versions of software options and selected software vendor. Installation of selected software is pending purchase of the software and the updating of DOEE's lead servers to Windows SQL Server 2019. LSHHD's IT contractor will then install and customize the software for DOEE's use.	Tested trial versions of software options and selected software vendor. Installation of selected software is pending purchase of the software and the updating of DOEE's lead servers to Windows SQL Server 2019. LSHHD's IT contractor will then install and customize the software for DOEE's use.
Implement a Green Remediation LUST (leaking underground storage tank) Program in the District	In FY2021, DOEE will work with stakeholders to develop and implement a Green Remediation Program in the District. DOEE will develop green remediation guidance, provide incentives to developers and consultants to use green cleanups, and track the number of green cleanups in the LUST database.	50-74%	This initiative is incomplete because it was attempted only by 4 LUST staff in a working group. Among other priorities, the COVID-19 pandemic, sick and annual leave and due to losing one staff later in the year. Research has been completed and information compiled into a draft document. Some chapters of the guidance have to be completed, reviewed by internal and external stakeholders for comments then implemented, in addition to flyers, incentives and website updates to publicize.	This initiative is incomplete because it was attempted only by 4 LUST staff in a working group. Among other priorities, the COVID-19 pandemic, sick and annual leave and due to losing one staff later in the year. Research has been completed and information compiled into a draft document. Some chapters of the guidance have to be completed, reviewed by internal and external stakeholders for comments then implemented, in addition to flyers, incentives and website updates to publicize.
Natural resources services performed by agency (5 Strategic initiatives)				
Oxon Run Stream and Anacostia Wetland Restoration	For Anacostia wetlands, DOEE will issue a contract solicitation for the designs of wetland restoration in Kingman Lake in FY21. This effort is being undertaken so that restoration work can coincide with the remediation of toxic sediments in the lake. Additionally DOEE will complete the solicitation for an Anacostia restoration plan and project prioritization. These two efforts will aid the District in meeting its Sustainable DC goals (for wetland creation and stream restoration), Resilient DC goals (for resilient rivers), and equity goals. For Oxon Run, DOEE will complete conceptual designs and will complete the preliminary work towards an Environmental Assessment. This is the initial step in the District's effort to restore Oxon Run, which has the potential to be one of the largest stream restoration projects in the nation.	75-99%	The Oxon Run contract is moving forward towards award but is still with OCP. Additionally, a final RFP for the restoration of Kingman Island wetlands was completed by DOEE the last week in October. DOEE is waiting for OCP to release the RFP for proposals. Finally, a grant was awarded in May of 2021 to Biohabitats, Inc. to develop the Anacostia River Corridor Restoration Plan.	The Oxon Run contract is moving forward towards award but is still with OCP.
Coal Tar Pavement Sealant Ban Updates and Outreach Campaign	In FY21, DOEE will conduct an outreach campaign informing the regulated community of amendments made to the Coal Tar Pavement Sealant Ban in FY19. Council expanded the ban to include additional pavement sealant products high in PAHs that pose a risk to human health and aquatic wildlife. The campaign will take the form of phone calls, emails, and mailers to notify the regulated community of the new requirements. Enforcement will begin the summer of FY21.	50-74%	Outreach campaign on hold pending publication of program regulations in DC Register. Regulations are in final phase of external review with OPLA and are expected to be published by January 2022. Outreach campaign is planned for Feb-Mar 2022.	Outreach campaign on hold pending publication of program regulations in DC Register. Regulations are in final phase of external review with OPLA and are expected to be published by January 2022. Outreach campaign is planned for Feb-Mar 2022.

Strategic Initiative Title	Strategic Initiative Description	Completion to Date	Status Update	Explanation for Incomplete Initiative
Tribal Amity License Program	In FY21, Fisheries and Wildlife Division staff will work with members of the Piscataway Indian Nation and the Piscataway Conoy Tribe to develop a commemorative, lifetime licensing and education program.	25-49%	DOEE has reached out to the tribe and nation to establish a working partnership to develop the program. Unfortunately, the primary point of contact, Chief Tayak, passed away and several months were required to establish a new point of contact. DOEE will continue to work with the Tribe and Nation to establish the lifetime licensing program in FY22.	DOEE has reached out to the tribe and nation to establish a working partnership to develop the program. Unfortunately, the primary point of contact, Chief Tayak, passed away and several months were required to establish a new point of contact. DOEE will continue to work with the Tribe and Nation to establish the lifetime licensing program in FY22.
Integrated Flood Model	This multiyear project will produce an integrated flood model that will enable the District to consolidate its modeling of all three types of flooding and allow District agencies to have a tool to more effectively plan to mitigate, respond, and recover from floods. By the end of FY21, DOEE anticipates having a contract awarded, the model software and hardware architecture selected, and future storm and rainfall scenarios selected.	0-24%	OCP established a competitive range and held "Negotiation" meetings with vendors in August. Following the "Negotiation" meetings, OCP asked vendors for their Best and Final Offers, which were submitted on 9/15/21. The TEP will meet on 10/1/21 to re-score the vendors and send the consensus scores to OCP. Once a vendor is selected, the selection will require Council approval.	OCP established a competitive range and held "Negotiation" meetings with vendors in August. Following the "Negotiation" meetings, OCP asked vendors for their Best and Final Offers, which were submitted on 9/15/21. The TEP will meet on 10/1/21 to re-score the vendors and send the consensus scores to OCP. Once a vendor is selected, the selection will require Council approval.
Construct a floating dock for public use at Kingman Island	In FY21, Department of Energy & Environment (DOEE) will construct a boat dock and composting toilet on Kingman Island to provide a free public access point for recreational boating to District residents, particularly those who live within walking distance in the surrounding Ward 7 and Ward 6. This initiative will help increase public access to the upper Anacostia River. The location will serve as a supporting resource for fulfilling some of the educational goals of the DC Environmental Literacy Plan and the Sustainable DC Plan.	75-99%	The construction permit was issued in 4th quarter, due to the extensive time required for plans to be reviewed at DCRA. Site has been prepared for installation and dock components have been delivered. Construction is under way. Project will be completed in 1st quarter of FY22	The construction permit was issued in 4th quarter, due to the extensive time required for plans to be reviewed at DCRA. Site has been prepared for installation and dock components have been delivered. Construction is under way. Project will be completed in 1st quarter of FY22
Sustainability and engagement activities performed by the agency (6 Strategic initiatives)				
Accelerate the adoption of Net Zero Energy Buildings	In FY21, DOEE will accelerate the adoption of net zero energy (NZE) buildings. First, DOEE will lead the development of the next Energy Conservation and Green Construction Codes as chair of the technical advisory group. The majority of the planning and code development will take place in FY21 with full adoption planned for 2023. In addition, DOEE will provide technical assistance, grants and develop new incentives to encourage projects to pursue NZE ahead of a statutory requirement in the 2026 Energy Code as called for by the Clean Energy DC plan. DOEE will also launch the Building Innovation Hub as a central resource to support the transition to high performance buildings and compliance with the new building energy performance standards. DOEE will focus in particular on supporting the affordable housing community by ensuring the BEPS program is designed with their unique challenges in mind and by providing training and resources in partnership with the District's housing agencies.	Complete	Significant progress made toward developing 2023 DC Energy Code with eye to increased efficiency and electrification, continuing trajectory to NZE by 2026. Four grants completed in FY21, two focused on early stage NZE support-lessons learned will be shared. The Hub continues to serve as a central resource for building owners and designers. FY22 funding awarded for Hub to continue that resource. DHCD RFP released which now requires near NZE as threshold eligibility.	
Launch the District's strategy to achieve an equitable and net-zero carbon city by 2050	In FY21, DOEE will launch a strategy for achieving carbon neutrality to meet the Mayor's pledge to be carbon neutral by 2050 and adopt a Paris Accord-compliant carbon reduction plan. The strategy will focus on the nexus between community priorities - health, opportunity, affordability, equity -- and high-impact emissions reduction policies such as high-performance buildings and reducing congestion. FY21's focus will be on public engagement: to capture key community priorities, to identify barriers to meeting our equity and carbon goals, and to develop evaluation criteria for future climate policy development ensuring accountability. By engaging residents on achieving and measuring an equitable transition, and with technical stakeholders on policy ideas, the final strategy will be a community-centered climate action plan that will align with and support SDC 2.0, the Mayor's affordable housing goals, and the concurrent moveDC update.	75-99%	The Carbon Free DC strategy is drafted and with agency leadership for review. An enhanced focus on community engagement along with several staff vacancies on the climate team prevented the plan from being finalized.	An enhanced focus on community engagement along with several staff vacancies on the climate team prevented the plan from being finalized.
Build resilience to extreme heat and flooding	In FY21, DOEE will focus on increasing community resilience to the climate impacts of extreme heat and flooding. Current response practices for both of these impacts have been strained by COVID-19, and we will incorporate lessons from this time into future work. DOEE will develop a comprehensive heat strategy and support resilience initiatives that will help keep people safe including resilience hubs and updates to floodplain regulations. To do this, DOEE will work closely with District residents, especially those in priority neighborhoods identified in Climate Ready DC, and with other District government agencies who can help coordinate on these goals.	75-99%	In Q4, we received feedback from partner agencies on the full draft heat plan, but due to staff vacancies were unable to release the strategy for public comment. We anticipate finalizing the draft in Q1 of FY22.	Due to staff vacancies were unable to release the strategy for public comment. We anticipate finalizing the draft in Q1 of FY22.
Adapt sustainability programs to be appropriate and relevant during COVID-19	In FY 2021, DOEE will develop a strategy to help staff ensure community events and resources are responsive to community needs during and immediately COVID-19. With people spending the vast majority of their time in their own homes and facing new economic pressures, the sustainability challenges are different than prior years for our residents and businesses. By December 2020, based on best practices from around the country, DOEE will develop COVID-appropriate guidance to run at least five of programs through, including community engagement, product stewardship collection events, sustainable material management and sustainable business programming. This guidance will be shared with other District Government agencies as appropriate.	Complete	In Q4, many community events were able to be held in person again (including product stewardship collection events and some general sustainability events). Those that were held virtually followed the best practices developed earlier in the FY. One positive outcome of the may virtual events is we have greatly improved our them to be more inclusive and accessible, which will improve engagement beyond the pandemic as well.	
Deepen racial equity work through internal training and piloting equity tools	In FY 2021, DOEE will deepen its racial equity work through internal staff training and piloting the Racial Equity Impact Assessment (REIA) tool that was created in FY20. Staff training will consist of at least three cohorts of staff participating in racial equity programs by December 2020. DOEE's Urban Sustainability Administration will also use the REIA to evaluate and adapt its current community and business engagement (such as training opportunities, engagement materials, and community events like the District Sustainability Awards) to be more meaningful and culturally-relevant for residents and workers across the city, particularly communities of color.	Complete	In Q4, staff participated in 4 listening sessions to give feedback on DOEE's draft Equity Framework and 2nd ed. racial equity impact assessment (REIA). The series had 75-115 participants and provided training on equity (as well as a preview of materials). The Equity Framework and REIA were finalized with staff input, and we recruited DOEE Equity Ambassadors for our FY22 rollout. The draft materials have already been used to inform internal and external projects.	
Launch Infrastructure Grant Program to support increased production and programming at District farms	In FY21, DOEE Office of Urban Agriculture (OUA) will launch a grant program, making funding available to no fewer than four District farms to support the construction of much needed infrastructure for growing, processing, and storing locally produced crops. This program is a direct response to requests from District farmers and will be implemented in partnership with the DC Food Policy Council, The University of the District of Columbia and the Department of Parks and Recreation. Additionally, in effort to support the Urban Farm Land Lease Amendment Act, OUA will soil test sites being made available for the Urban Farm Land Lease Program.	Complete	In Q4, the Office of Urban Agriculture (OUA) closed the FY21 Urban Ag Infrastructure Grant. \$69,234 was awarded to seven awardees including a partnership with the Chesapeake Bay Trust, which improved access to grant funding for lower-capacity organizations. Two awardees were unable to spend their funds prior to the end of FY21. 21 soil samples from four potential urban farmland lease sites were submitted and processed by UDC CAUSES.	