



DEPARTMENT OF ENERGY AND ENVIRONMENT

FY 2024 PERFORMANCE PLAN

DECEMBER 1, 2023

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1 DEPARTMENT OF ENERGY AND ENVIRONMENT

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 nations 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.

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.

2 2024 OBJECTIVES

Strategic Objective

Conserve the natural environment and wildlife of the District, and restore and protect aquatic resources from pollution and degradation

Protect the public health of all District residents by improving the environment in areas related to air, soil, and indoor pollution

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.

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.

Administer efficient and effective environmental enforcement operations, strategies, and outreach that bring polluters into compliance with the District's environmental laws

Reduce the water burden on the District's most vulnerable and low-income populations by helping with water utility assistance and through residential services related to lead.

Create and maintain a highly efficient, transparent, and responsive District government.

3 2024 OPERATIONS

Operation Title	Operation Description	Type of Operation
Conserve the natural environment and wildlife of the District, and restore and protect aquatic resources from pollution and degradation		
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
Protect the public health of all District residents by improving the environment in areas related to air, soil, and indoor pollution		
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, radon exposure, mold remediation licensing, air quality, pesticides, hazardous waste, underground storage tanks, and contaminated site remediation.	Daily Service
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.		
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
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.		

(continued)

Operation Title	Operation Description	Type of Operation
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
Administer efficient and effective environmental enforcement operations, strategies, and outreach that bring polluters into compliance with the District's environmental laws		
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
Reduce the water burden on the District's most vulnerable and low-income populations by helping with water utility assistance and through residential services related to lead.		
Utility assistance and residential services provided by agency	The DOEE Utility Affordability Administration administers energy efficiency and weatherization programs that help District residents use less energy and provides direct financial assistance and discounts to low-income residents to help off-set their energy and water bills.	Daily Service
Create and maintain a highly efficient, transparent, and responsive District government.		
Operation services performed by the agency	Agency Support	Daily Service

4 2024 STRATEGIC INITIATIVES

Title	Description	Proposed Completion Date
Initiate the new Office of Waterways Management	In FY24, DOEE will establish a new Office of Waterways Management, which will plan, promote, advocate for, and facilitate stakeholder cooperation for the diverse uses of and access to the District's waterways and adjacent property. The new office will work with the Mayor, Council Chair, and DOEE leadership to establish the District Waterways Advisory Commission and begin contracting for the development of a District Waterways Advisory Plan.	9/30/2024
Maintain District-Owned Stormwater Infrastructure	In FY22, DOEE assumed responsibility for maintaining all District-owned stormwater infrastructure and has worked over the past two years to stand up this initiative. In FY24, DOEE will begin to implement its green infrastructure signage plan by uniquely marking all District-owned facilities in an effort to educate the public about these facilities and create a simple and accessible way for residents to submit maintenance requests. Additionally, the agency will complete the development of a maintenance database and begin its use for tracking maintenance visits and agency responsiveness to 311 requests.	9/30/2024
Sustainable DC 3.0	In FY24, DOEE will release the 10-year update to the Sustainable DC Plan. The updated plan will incorporate the research and recommendations completed in FY23 that analyzed the Plan's impact on racial equity and assessment of progress towards meeting the Plan's 35 targets.	9/30/2024
Integrated Flood Model	In FY24 (Year 3), DOEE will continue to implement the Integrated Flood Model (IFM). With IFM, DOEE will be able to develop maps of where flooding is expected to occur, now and in a future with heavier rain and sea level rise. There are areas of the city that are vulnerable, and with these maps, we will be able to identify all DC's flood risk areas, do more targeted outreach to flood vulnerable residents, and propose infrastructure in places that we know will reduce flood risk in neighborhoods that need it the most. In FY24 DOEE expects that the hydraulic models for interior, riverine and coastal flooding will be complete and integrated together, and calibrated. Initial maps depicting the cities flood risk will be produced, and substantial work will have been done on a graphic interface to allow DOEE to test various flooding scenarios and see the map outputs. DOEE expects that work designing new resilience infrastructure to test in the IFM will begin in FY24 as well.	9/30/2024
Climate Ready DC plan update	DOEE is working toward the 10-year update to the District's 2016 Climate Ready DC climate adaptation plan. In FY24, DOEE will update the District's climate projections and publish a summary report on the agency's website.	9/30/2024

Energy Efficiency Program for Small Commercial Buildings	In FY24, DOEE will draft a framework for implementing a program to address the energy efficiency of small commercial buildings (<50,000 square feet) that will eventually be subject to the Building Energy Performance Standards (BEPS) program. The draft framework will investigate the efficacy of a low-cost, scalable energy efficiency program geared towards these smaller buildings, with a particular focus on those buildings located in environmental justice communities.	9/30/2024
Residential Electrification Program	In FY24, DOEE will develop a draft framework for standing up and implementing a residential electrification rebate program for the District. The program will address all building types and income groups but pay specific attention to equitable and accessible ways to support electrification for low-income residents. The program will be designed to utilize funding from the Inflation Reduction Act (IRA) Home Electrification and Appliance and Home Energy Rebate Programs and adhere to the programmatic rules to be laid out and described by the U.S. Department of Energy (DOE).	9/30/2024
Increase air monitoring stations in the District's overburdened communities	In FY24, DOEE will expand the District's ambient air quality monitoring network to better capture air pollution in the District's overburdened communities. DOEE will add a new federal method monitoring station in Ward 8, expanding the agency's federal method monitoring network from five stations to six. DOEE will also work closely with community groups to deploy three park-bench air quality monitoring stations in overburdened communities.	9/30/2024
Lead-Safe and Healthy Housing Water Filter Installation Program	In FY24, DOEE will hire a contractor to install 1,750 lead filters on each drinking water source in compliance with the Childhood Lead Exposure Prevention Amendment Act of 2017. Additionally, DOEE will conduct annual drinking water sampling, and the OSSE-licensed child development facilities will take steps for remediation if elevated lead concentration levels are identified.	9/30/2024

5 2024 KEY PERFORMANCE INDICATORS AND WORKLOAD MEASURES

Key Performance Indicators

Measure	Directionality	FY 2021	FY 2022	FY 2023	FY 2024 Target
Conserve the natural environment and wildlife of the District, and restore and protect aquatic resources from pollution and degradation					
Percent of District land retrofitted with green infrastructure that prevents stormwater runoff from becoming pollution	Up is Better	5.2%	5.6%	5.9%	6.3%
Protect the public health of all District residents by improving the environment in areas related to air, soil, and indoor pollution					
Compliance rate of underground storage tanks inspected	Up is Better	96.5%	98.2%	89%	82%
Percent of lead-safe and healthy housing clients who are referred to DOEE that receive an initial contact call or letter in accordance with the Healthy Housing Standard Operating Procedures	Up is Better	New in 2023	New in 2023	98.6%	100%
Percent of properties with identified lead-based paint hazards that are issued an Enforcement Order or a Notice related to the identification of a lead-based paint hazard within 28 days of the property's risk assessment	Up is Better	92.7%	100%	93.5%	92%
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.					
Number of low-income households receiving solar installations/benefits	Up is Better	2,829	1,091	2,005	2000
Compliance rate of energy benchmarking for public buildings and buildings over 25,000 sq ft	Up is Better	96%	84%	88.9%	85%
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.					
Percent of greenhouse gas emissions reduction from the 2006 baseline year to meet 2045 goal	Up is Better	31%	Not Available	36.5%	36%
Percent of all actions in the current Sustainable DC Plan that are complete	Up is Better	8.4%	12%	12.6%	15%
Percent of all actions in the current Sustainable DC Plan that are underway	Up is Better	New in 2024	New in 2024	New in 2024	New in 2024
Administer efficient and effective environmental enforcement operations, strategies, and outreach that bring polluters into compliance with the District's environmental laws					

Key Performance Indicators (*continued*)

Measure	Directionality	FY 2021	FY 2022	FY 2023	FY 2024 Target
Air monitoring network performance- Percent of data captured for submitting to EPA's national air quality database	Up is Better	95.8%	96%	94%	75%
Rate of Compliance with District Environmental Law Detected through Inspections	Up is Better	86%	62.1%	75.4%	75%

Workload Measures

Measure	FY 2021	FY 2022	FY 2023
Natural resources services performed by agency			
Number of RiverSmart Homes audits performed	1,321	1,068	1,172
Number of Stormwater Management Plan Maintenance Notices issued	41	178	33
Number of Stormwater Retention Credit Use Applications Processed	New in 2023	New in 2023	40
Number of Soil Erosion and Sediment Control plans Approved	New in 2023	New in 2023	1,137
Number of Stormwater Management plans Approved	New in 2023	New in 2023	175
Number of properties receiving water bill discounts through the RiverSmart Rewards program	New in 2023	New in 2023	505
Number of participants in fish and wildlife education and outreach programs	1,147	3,764	3,713
Number of trees planted by DOEE to help the District meet its goal of 40 percent tree canopy coverage by 2032	3,290	4,098	3,888
Number of rivers and tributary streams monitored for water quality and habitat assessment	New in 2024	New in 2024	New in 2024
Number of Compliance Assistance and Policy team inspections	New in 2024	New in 2024	New in 2024
Number of fish and wildlife surveys conducted	New in 2024	New in 2024	New in 2024
Number of stormwater inspections	Not Available	Not Available	Not Available
Environmental health services performed by agency			
Number of Significant Operational Compliance inspections of underground storage tanks conducted	56	74	67
Number of hazardous waste inspections conducted	82	97	105
Number of pesticide inspections conducted	130	104	69
Number of contaminated site clean-ups under regulatory oversight in the District	32	175	546
Number of National Emission Standards for Hazardous Air Pollutants (NESHAP) asbestos permits processed	492	498	497

Workload Measures (continued)

Measure	FY 2021	FY 2022	FY 2023
Energy services provided by agency			
Amount of solar capacity installed (kW) through the Solar for All program	Not Available	6,481.1	2.7
Sustainability and engagement activities performed by the agency			
Number of school visits, community meetings, and events where environmental and sustainability programs, activities, and initiatives are promoted	36	40	79
Number of social media posts containing environmental and sustainability engagement messaging	1,328	1,613	2,864
Number of newsletters containing environmental and sustainability engagement messaging	New in 2023	New in 2023	68
Enforcement services performed by the agency			
Amount collected from fines and penalties	\$130,414.90	\$272,293.00	\$296,696.00
Number of Notices of Infraction processed	225	223	443
Utility assistance and residential services provided by agency			
Number of low-income households receiving Clean Rivers Impervious Area Charge (CRIAC) Relief	5,523	8,700	8,814
Number of residents receiving assistance under the Lead Pipe Replacement Assistance Program	224	241	653
Number of low-income households receiving energy efficiency measures and services	490	558	524
Number of low-income households receiving home energy assistance through the Low-Income Home Energy Assistance Program (LIHEAP)	13,189	16,772	20,368
Operation services performed by the agency			
Number of participants enrolled in a DOEE workforce training program	Not Available	108	161
Number of participants in a DOEE workplace training program placed in full-time job post program	Not Available	32	104

Workload Measures (continued)

Measure	FY 2021	FY 2022	FY 2023
Number of participants who have completed a DOEE workforce training program	Not Available	63	82