

# Department of Energy and Environment FY2019

**Agency** Department of Energy and Environment

**Agency Code** KGO

**Fiscal Year** 2019

**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.

## 2019 Accomplishments

Accomplishment	Impact on Agency	Impact on Residents
The final Sustainable DC 2.0 Plan was released on April 23, 2019 and was distributed digitally via the Sustainable DC and DOEE websites, email, social media, and a press release. DOEE updated the plan to be more innovative and more inclusive.	DOEE's mission is to address climate change and restore our natural environment. Sustainable DC 2.0 helps us accomplish this mission by being a comprehensive plan to make the District of Columbia the most sustainable city in the country. Implementing Sustainable DC 2.0's 167 actions and 36 targets will make the District of Columbia more equitable and relevant to the entire community.	Sustainable DC 2.0 focuses on making the District the healthiest, greenest, most livable city for ALL District residents. Sustainable DC 2.0 started by having 3,000 conversations with residents from across the District to better understand community priorities. In total, the process took place over 20 months with more than 4,000 people participating. DOEE updated the plan to be more innovative and more inclusive. The new plan contains full sections on equity, climate, economy, education, health.  Sustainable DC 2.0 aims to address the equally pressing economic and social needs of residents, balancing the environmental, economic, and social needs of the District of Columbia today as well as the needs of the next generation, and the one after that.
Developed and administered Clean Rivers Impervious Area Charge (CRIAC) relief programs	Over the past 10 years, the Clean Rivers Impervious Area Charge (CRIAC) rates have increased to help pay for a \$2.7 billion project to significantly reduce the discharge of raw sewage and stormwater runoff into the Anacostia and Potomac Rivers, and Rock Creek. It is an important project to help restore our rivers and to help make the District the healthiest, greenest, and most livable city in the nation.	The CRIAC Relief Programs provide financial relief to eligible nonprofits, and low-to-moderate-income District residents experiencing hardship paying the Clean Rivers Impervious Area Charge (CRIAC) on their DC Water bills.  From October 1, 2019 the end of FY19, DOEE has provided relief on the DC Water CRIAC to 218 households through the residential Customer Assistance Program (CAP), and 174 organizations through the nonprofit relief program. As of November 1, 2019, DOEE has provided approximately \$1,844,176.72 in CRIAC Relief.
Implemented Clean Energy DC (CEDC), the city's energy and climate action plan	Clean Energy DC is the District of Columbia's energy and climate action plan. It explains how DOEE will use forward-looking energy policies, while also encouraging innovation, efficiency, and resiliency. Implementing the 57 short, medium and long term action items, required in Clean Energy DC, that need to be taken between now and 2032 in our buildings, our energy infrastructure, and our transportation system will help meet the District's ambitious goal of reducing greenhouse gas emissions in the District by 50% by 2032.	Implementing Clean Energy DC is a huge step towards reducing, and ultimately eliminating, our greenhouse gas emissions while ensuring access to clean energy is equitable and affordable. This accomplishment will create a cleaner, greener, and healthier environment for residents of DC.

## 2019 Key Performance Indicators

Measure	Frequency	FY 2017 Actual	FY 2018 Actual	FY 2019 Target	FY 2019 Q1	FY 2019 Q2	FY 2019 Q3	FY 2019 Q4	FY 2019 Actual	KPI Status	Explanation
<b>1 - Conserve the natural environment and wildlife of the District, and restore and protect aquatic resources from pollution and degradation (3 Measures)</b>											
Square footage of green roofs installed	Quarterly	363,800	516,348	225,000	176,620	95,905	99,890	244,151	616,566	Met	
Percent of District land retrofitted with green infrastructure that prevents stormwater runoff from becoming pollution	Annually	2.7%	3.6%	3.8%	Annual Measure	Annual Measure	Annual Measure	Annual Measure	4.1%	Met	
Number of trees planted by DOEE to help the District meet its goal of 40 percent tree canopy coverage by 2032	Quarterly	3389	3052	2050	900	200	1861	277	3238	Met	
<b>2 - Protect the public health of all District residents by improving the environment in areas related to air, soil, and indoor pollution (5 Measures)</b>											
Number of days in which ozone levels exceed the National Ambient Air Quality Standards	Annually	2	6	8	Annual Measure	Annual Measure	Annual Measure	Annual Measure	5	Met	
Compliance rate of underground storage tanks inspected	Quarterly	89.5%	92%	85%	75%	89.7%	91.7%	82.6%	86.1%	Met	

Measure	Frequency	FY 2017 Actual	FY 2018 Actual	FY 2019 Target	FY 2019 Q1	FY 2019 Q2	FY 2019 Q3	FY 2019 Q4	FY 2019 Actual	KPI Status	Explanation
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	0.7%	0.6%	1%	Annual Measure	Annual Measure	Annual Measure	Annual Measure	0.4%	Met	
Compliance rate of selected, permitted minor sources, e.g., gas stations and drycleaners	Quarterly	87%	79%	80%	0	39.4	72.7	84.8	84.8%	Met	This should be cumulative which means that Q4 is the full year data. 28/33 = 85%, target of 80% was met. For the year, 33 out-of-compliance gas stations, dry cleaners, etc were chosen. At the start of the year 0 of them were compliant. At the end of the year, 28 of them were in compliance.
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	Quarterly	100%	93.3%	90%	90%	100%	100%	71.4%	88.6%	Nearly Met	Due to increased personal leave and complaint referrals received, two (2) inspectors got behind on issuing Administrative Orders to property owners with identified hazards.
<b>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. (4 Measures)</b>											
Number of low-income households receiving energy efficiency measures and services	Quarterly	624	502	300	13	97	196	54	360	Neutral Measure	
Percent of renewable energy usage in the District	Annually	13.6%	14.7%	13.5%	Annual Measure	Annual Measure	Annual Measure	Annual Measure	6.7%	Unmet	6.7% is the revised EPA Green Power Communities figure, derived from voluntary green power sales reported by the various suppliers directly to the EPA. In the past, it was 14% and shown as an annual figure. The calculation was recently revised, based on overall electricity sales, to include the mandatory supply under the RPS. DOEE reports the data provided here: <a href="https://www.epa.gov/greenpower/green-power-communities">https://www.epa.gov/greenpower/green-power-communities</a> .
Number of low-income households receiving solar installations	Quarterly	20	364	500	81	30	455	7960	8526	Met	
Compliance rate of energy benchmarking	Annually	75.5%	91.2%	80%	Annual Measure	Annual Measure	Annual Measure	Annual Measure	95.9%	Met	
<b>4 - Increase engagement with District residents, businesses, and institutions in meaningful and equitable ways to increase understanding and adoption of innovative sustainability practices, and implement cutting edge programs and policies that ensure the District remains a national and international leader in areas of sustainability, green building deployment and climate change mitigation and adaptation. (4 Measures)</b>											
Number of LEED certified projects in the District	Quarterly	861	973	1050	1004	1042	1070	1091	1091	Met	
Percent of greenhouse gas emissions reduction from the 2006 baseline year to meet 2050 goal	Annually	23.8%	29%	33%	Annual Measure	Annual Measure	Annual Measure	Annual Measure	30%	Nearly Met	In 2017, the District's GHG emissions were 7,339,600 tons of carbon dioxide equivalent, down 3,147,085 tons since 2006. We are on target to reach our 50% by 2032 goal. While this KPI contains targets beyond DOEE's control for this year, DOEE is implementing Building Energy Performance Standards as part of Clean Energy DC that will play a huge factor in the District's GHG emissions.
Percent of actions in the Sustainable DC Plan under way	Quarterly	72%	70.6%	67%	70.6%	70.6%	71.3%	4.8%	53.1%	Neutral Measure	

Measure	Frequency	FY 2017 Actual	FY 2018 Actual	FY 2019 Target	FY 2019 Q1	FY 2019 Q2	FY 2019 Q3	FY 2019 Q4	FY 2019 Actual	KPI Status	Explanation
Percent of actions in the Sustainable DC Plan complete	Quarterly	25.2%	27.3%	33%	27.3%	27.3%	3.6%	71.9%	32.9%	Nearly Met	1) This should be cumulative 2) An updated Sustainable DC 2.0 plan was released April 2019. New actions and revised "completed" actions result in a lower percentage of actions completed in Q3. However in Q4, DC Food System Analysis released and Equity Impact Committee has been created and we were at a 71% completion rate.
<b>5 - Administer efficient and effective environmental enforcement operations, strategies, and outreach that bring polluters into compliance with the District's environmental laws (1 Measure)</b>											
Rate of Compliance with District Environmental Law Detected through Inspections	Annually	Not Available	76.5%	75%	Annual Measure	Annual Measure	Annual Measure	Annual Measure	79.5%	Met	
<b>6 - Create and maintain a highly efficient, transparent and responsive District government. (8 Measures)</b>											
HR MANAGEMENT - Percent of eligible employees completing and finalizing a performance plan in PeopleSoft (Updated by OCA)	Annually	New in 2019	New in 2019	Not Available	Annual Measure	Annual Measure	Annual Measure	Annual Measure	99.1%	No Target Set	
HR MANAGEMENT - Percent of eligible employee performance evaluations completed and finalized in PeopleSoft (Updated by OCA)	Annually	New in 2019	New in 2019	Not Available	Annual Measure	Annual Measure	Annual Measure	Annual Measure	Waiting on Data	No Target Set	
FINANCIAL MANAGEMENT - Quick Payment Act Compliance - Percent of QPA eligible invoices paid within 30 days (Updated by OCA)	Annually	New in 2019	New in 2019	Not Available	Annual Measure	Annual Measure	Annual Measure	Annual Measure	97.8%	No Target Set	
FINANCIAL MANAGEMENT - Percent of local budget de-obligated to the general fund at the end of year (Updated by OCA)	Annually	New in 2019	New in 2019	Not Available	Annual Measure	Annual Measure	Annual Measure	Annual Measure	Waiting on Data	No Target Set	
CONTRACTS AND PROCUREMENT - Percent of Small Business Enterprise (SBE) annual goal spent (Updated by OCA)	Annually	New in 2019	New in 2019	100%	Annual Measure	Annual Measure	Annual Measure	Annual Measure	Waiting on Data		
IT POLICY AND FOIA COMPLIANCE - Percent of "open" data sets identified by the annual Enterprise Dataset Inventory published on the Open Data Portal (Updated by OCA)	Annually	New in 2019	New in 2019	Not Available	Annual Measure	Annual Measure	Annual Measure	Annual Measure	86.8%	No Target Set	

Measure	Frequency	FY 2017 Actual	FY 2018 Actual	FY 2019 Target	FY 2019 Q1	FY 2019 Q2	FY 2019 Q3	FY 2019 Q4	FY 2019 Actual	KPI Status	Explanation
IT POLICY AND FOIA COMPLIANCE - Percent of FOIA Requests Processed in more than 25 business days - statute requirements allow 15 business days and a 10 day extension - (Updated by OCA)	Annually	New in 2019	New in 2019	Not Available	Annual Measure	Annual Measure	Annual Measure	Annual Measure	Waiting on Data	No Target Set	
HR MANAGEMENT - Average number of days to fill vacancy from post to offer acceptance (Updated by OCA)	Annually	New in 2019	New in 2019	New in 2019	Annual Measure	Annual Measure	Annual Measure	Annual Measure	Waiting on Data	No Target Set	

\*Mayoral agencies include agencies under the Health and Human Services, Education, Public Safety and Justice, Operations and Infrastructure, Economic Development, and Internal Services clusters. It excludes all independent agencies and select EOM agencies.  
 \*The HR management, Financial Management, IT Policy and FOIA Compliance, and Contracts and Procurement measures were collected for all mayoral agencies in FY 2019. OCA calculates these measures based on summary-level data from various agencies, and cannot verify the accuracy of any calculations.  
 \*The 2019 DC Enterprise Data Inventory (EDI) contains datasets published on DC's Open Data Portal, which is current as of March 9, 2019, and any datasets published to the portal after the above date were not included in the measure's calculation.  
 \*Due to data lags, FY 2019 data for the following core business measures will be published in March 2020: Contracts and Procurement - Percent of Small Business Enterprise (SBE) annual goal spent; Financial Management - Percent of local budget de-obligated to the general fund at the end of year; Human Resource Management - Average number of days to fill vacancy from post to offer acceptance; Human Resource Management - Percent of eligible employee performance evaluations completed and finalized in PeopleSoft; and IT Policy and Freedom of Information Act (FOIA) Compliance - Percent of FOIA Requests Processed in more than 25 business days - statute requirements allow 15 business days and a 10 day extension.

## 2019 Workload Measures

Measure	FY 2017 Actual	FY 2018 Actual	FY 2019 Q1	FY 2019 Q2	FY 2019 Q3	FY 2019 Q4	FY 2019 Actual
<b>1 - Natural resources services performed by agency (11 Measures)</b>							
Number of RiverSmart Homes audits performed	930	1037	297	233	366	311	1207
Number of rain gardens installed by RiverSmart Homes	122	151	14	22	26	27	89
Number of installations for RiverSmart Communities Program	2	5	0	3	1	0	4
Number of stormwater management and erosion/sediment control inspections	4040	5089	1153	884	1920	2087	6044
Number of Bag Law inspections	555	552	133	133	132	155	553
Number of coal tar inspections	64	60	0	0	0	63	63
Number of Food Service Ware inspections	309	293	75	78	86	71	310
Number of MS4 outfalls inspected	229	255	54	115	120	88	377
Number of Aquatic Resources Education Center visitors	5592	5851	788	944	2642	2273	6647
Number of Stormwater best management practices (BMPs) inspections	New in 2019	New in 2019	95	184	296	352	927
Number of MS4 facilities inspected	106	90	28	29	37	19	113
<b>2 - Environmental health services performed by agency (9 Measures)</b>							
Number of contaminated site clean-ups under regulatory oversight in the District	22	23	23	26	27	27	27
Number of open leaking UST remediation sites under regulatory oversight	148	149	146	152	146	145	145
Number of Brownfield assessments completed	0	0	0	0	0	0	0
Number of full-compliance evaluations of Title V facilities	19	20	4	4	18	20	20
Number of Significant Operational Compliance inspections of underground storage tanks conducted	86	52	20	9	41	14	84
Number of pesticide inspections conducted	79	77	4	29	12	31	76
Number of hazardous waste inspections conducted	240	105	16	16	12	47	91
Number of National Emission Standards for Hazardous Air Pollutants (NESHAP) asbestos permits processed	New in 2019	New in 2019	111	96	122	159	488
Number of asbestos inspections conducted	99	108	No data available	No data available	No data available	No data available	Not Available
<b>3 - Energy services provided by agency (1 Measure)</b>							
Number of low-income households receiving energy assistance	20,696	20,270	8478	4887	4668	2203	20,236

Measure	FY 2017 Actual	FY 2018 Actual	FY 2019 Q1	FY 2019 Q2	FY 2019 Q3	FY 2019 Q4	FY 2019 Actual
<b>4 - Sustainability and engagement activities performed by the agency (3 Measures)</b>							
Number of businesses and institutions participating in sustainability pledges or challenges	130	130	140	177	227	282	282
Number of social media posts and electronic communications containing environmental and sustainability engagement messaging	2029	1934	756	763	780	601	2900
Number of school visits, community meetings, and events where environmental and sustainability programs, activities, and initiatives are promoted	210	158	35	39	22	32	128
<b>5 - Enforcement services performed by the agency (2 Measures)</b>							
Amount collected from fines and penalties	\$196,416	\$253,889.4	\$107,470	\$57,355	\$62,231.3	\$163,835.9	\$390,892.3
Number of Notices of Infraction processed	343	270	190	72	110	109	481

## 2019 Operations

Operations Header	Operations Title	Operations Description	Type of Operations
<b>1 - Conserve the natural environment and wildlife of the District, and restore and protect aquatic resources from pollution and degradation (1 Activity)</b>			
Natural Resources Services	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
<b>2 - Protect the public health of all District residents by improving the environment in areas related to air, soil, and indoor pollution (1 Activity)</b>			
Environmental Services	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
<b>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)</b>			
Energy services	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
<b>4 - Increase engagement with District residents, businesses, and institutions in meaningful and equitable ways to increase understanding and adoption of innovative sustainability practices, and implement cutting edge programs and policies that ensure the District remains a national and international leader in areas of sustainability, green building deployment and climate change mitigation and adaptation. (1 Activity)</b>			
Sustainability	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
<b>5 - Administer efficient and effective environmental enforcement operations, strategies, and outreach that bring polluters into compliance with the District's environmental laws (1 Activity)</b>			
Enforcement	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

## 2019 Strategic Initiatives

Strategic Initiative Title	Strategic Initiative Description	Completion to Date	Status Update	Explanation for Incomplete Initiative
<b>Energy services provided by agency (6 Strategic initiatives)</b>				
Execute Solar for All DC Innovation and Expansion Grants, and integrate the Solar for All Implementation Plan with existing low-income energy programs (2 YR INITIATIVE CONT)	In FY19, DOEE will continue to administer the Solar for All DC Innovation & Expansion Grants in the amount of \$12.6M, and will provide robust monitoring and oversight of the grants, and employ quality assurance protocols, to ensure the projects are installed as proposed, on time, and on budget. DOEE will ensure the projects result in the deployment of almost 7 megawatts (MW) of solar generation capacity, and that the benefits go to low-income District residents. DOEE will continue existing partnerships with sister-agencies to complete innovative solar projects on their properties. DOEE will integrate the Solar for All Implementation Plan with DOEE's existing low-income energy programs (Low-Income Home Energy Assistance Program, Utility Discount Program and Weatherization Assistance Program). DOEE will also analyze how to incorporate net-metering and virtual net-metering as part of the energy assistance benefit matrix. Completion Date: September 30, 2019.	Complete	DOEE successfully completed the innovation phase of Solar for All, installing almost 7 MW of solar, and serving over 8,000 households. In Q4, Innovation Grantees and interagency partners submitted permit applications for their solar projects and substantially met goals to interconnect systems. There were 126 single family installations with a capacity of 520kW, and over 6.1 MW of community solar installed, serving 8,400 households.	

Strategic Initiative Title	Strategic Initiative Description	Completion to Date	Status Update	Explanation for Incomplete Initiative
Establish the DC Green Bank and create a strategic pathway to transfer DC PACE to the Green Bank (2 YR INITIATIVE CONT)	In FY19, DOEE will implement the provisions of the Act, including confirmation of the Board of Directors, hiring of an Executive Director, and announcing financial products to the market. DOEE will continue efforts to develop organizational documents, term-sheets for financial products, coordination with partner programs such as the DC Sustainable Energy Utility (DCSEU), and outreach materials, so that the Board of Directors can act as quickly as possible to get products to market. DOEE will also prepare for the transfer of the existing DC Property Assessed Clean Energy (PACE) program to the Green Bank, a multi-agency coordinated effort. Completion date: September 30, 2019.	75-99%	The DC Green Bank was launched successfully in FY 2019. The Board of Directors was appointed, two grant projects were administered to develop the organizational and finance tools, and as of October 4th, 2019, banking services were established through Wells Fargo and the initial \$14MM of REDF capitalization was transferred to the Green Bank. Due to the late Board confirmation, the Board will advertise for the Executive Director position in Q1 FY 20.	Due to the late Board confirmation, the Board will advertise for the Executive Director position in Q1 FY 20.
Enhance the District's Benchmarking Program through the creation of a Building Performance Standard, improved communication with building owners, and more detailed data sharing (2 YR INITIATIVE CONT)	In FY19, DOEE will continue to develop a building energy performance standard (BEPS) and related building performance policies for the District. The BEPS policy suite, as recommended in the Sustainable DC and Clean Energy DC plans, will move beyond the measurement and transparency work being done through the benchmarking program to require specific large public and private buildings to either meet certain efficiency standards or undertake additional measures such as audits, retro-commissioning, operator training, and/or efficiency improvements. Additionally, DOEE will work to improve the communication and outreach to building owners that submit reports to DOEE through the creation and distribution of scorecards that will educate owners on how their buildings are performing compared to their peers. Completion date: September 30, 2019.	Complete	DOEE wrapped up the BEPS working group sessions and awarded the High Performance Building training hub grant. Year one of the grant concluded with the grantee providing a needs assessment and business plan for the hub. DOEE completed the design of the scorecards and distributed them in September to building owners that submit benchmarking reports to DOEE.	
Implement Clean Energy DC	In FY19, DOEE will organize, prioritize, and sequence the 57 action items in Clean Energy DC. DOEE will identify the action items that are ready for implementation by DOEE and its sister agencies and will begin implementation. For those action items that require the cooperation and collaboration of non-agency stakeholders, DOEE will engage those stakeholders to develop an implementation pathway. In addition, DOEE will examine the findings of the feasibility study for the Standard Offer Service action item, and the Building Energy Performance Standard action item, and will begin engaging the key stakeholders for those action items to develop an implementation pathway. Completion date: September 30, 2019.	Complete	DOEE developed short, medium and long term goals to track the implementation of the 57 action items in the CEDC Plan. DOEE facilitated meetings with numerous stakeholders in developing CEDC Act programs, including BEPS, the utility energy efficiency programs, transportation electrification program, and workforce development program. DOEE completed the Standard Offer Service feasibility study and presented the results.	
Develop Neighborhood Energy Map	In FY19, DOEE will develop an analysis that shows the potential for clean, local energy resources in specific locations in the District. The analysis will begin with GIS mapping of locations with high heat-pump adoption potential, and DOEE will identify the neighborhoods with the highest net zero energy potential, after considering the solar and energy efficiency potential of the buildings in those locations. The analysis will seek to include additional studies of district energy system potential and biogas potential. Completion date: September 30, 2019.	75-99%	In FY19, DOEE successfully completed analysis of the resource potential for clean, local energy in the District, along with GIS mapping of locations with high heat-pump adoption potential, existing solar resources and the urban heat island. Due to ongoing interconnection and grid modernization work, modeling for net zero, district energy and biogas potentials will be completed in Q1 FY20.	Due to ongoing interconnection and grid modernization work, modeling for net zero, district energy and biogas potentials will be completed in Q1 FY20.
Implement a new model for the District of Columbia Sustainable Energy Utility (DCSEU) Contract to include an Emergency HVAC Program for Seniors and a Solar For All Program to support the creation of new solar energy sources in the District	In FY19, DOEE will coordinate with the District of Columbia Sustainable Energy Utility (DCSEU) and the District of Columbia Office on Aging's Safe at Home Program to design and implement an Emergency Heating, Cooling, and Air Conditioning (HVAC) Repair/Replacement Program ("Emergency HVAC Program"), on a pilot basis, to serve low-income households occupied by seniors (60 years and above) or residents (18 to 59 years old) living with disabilities. DOEE will also collaborate with the DCSEU to launch a Solar For All Program that will expand low-income households' access to solar power via on-site single family home installations and community renewable energy facilities. The DCSEU will provide technical assistance and financial incentives to experienced solar developers/installers to build single family and CREF projects that can obligate 100 percent of the PV system's measured out to DOEE designated low-income households for a minimum of 15 years. Completion date: September 30, 2019.	Complete	DCSEU successfully completed implementation of the emergency HVAC program for low-income, seniors and resident living with disabilities, and substantially completed single family and community solar installations. 100% of the power produced from solar systems incentivized by DCSEU will benefit low-income households.	
<b>Environmental health services performed by agency (4 Strategic initiatives)</b>				
Establish the Rail Safety Office	In FY19, DOEE will establish the Rail Safety Office, and complete the planning and certification process with the U.S. Federal Railroad Administration (FRA) pursuant to the Rail Safety and Security Amendment Act of 2016, which will provide oversight of rail safety in the District. Completion date: September 30, 2019.	Complete	The Rail Safety & Emergency Response Division Associate Director is in place. Offers have been extended and accepted for (2) Rail Safety Inspectors. The Federal Railroad Administration, State Partnership Grant to facilitate the training of the Rail Safety staff has been awarded.	

Strategic Initiative Title	Strategic Initiative Description	Completion to Date	Status Update	Explanation for Incomplete Initiative
Implement a New Lead Registry	In FY19, DOEE will implement a new lead screening registry, operated in collaboration with the DC Department of Health. The registry will allow health providers to submit and track data for child blood level testing in the District. Completion date: September 30, 2019.	50-74%	Contract negotiations completed in FY19 Q4. Contract signed and purchase order approved as of October 8, 2019. Pending public notice of the award, DOEE's contractor will commence to build the lead registry in FY20 with input from external stakeholders on the system's design and functionality. After initial development and testing, DOEE anticipates implementation of the lead registry in March 2021.	The delays were due to 1) the complexity of the contract for the database; 2) the number of agencies/organizations having input to ensure the product met the goals/needs as intended; and 3) researching the possibility of pairing it with an existing database.
Implement the Volkswagen Settlement Beneficiary Mitigation Plan	In FY19, DOEE will begin to implement the District's Beneficiary Mitigation Plan, which has been submitted to the Volkswagen (VW) Trust. The District received \$8.125 million as part of the settlement with VW resulting from its illegal use of cheat devices that increased the air pollution emitted by its diesel-fueled vehicle. Elements of the plan include repowering switcher locomotives, replacing heavy duty diesel vehicles with electric- or compressed natural gas (CNG)-powered vehicles, and installing tailpipe emission reduction equipment. Completion date: September 30, 2019.	Complete	In Q4 DOEE completed implementation of program and began execution. Activities completing implementation include establishment of budget and on-boarding of program staff. Additionally 2 proposals have been selected for execution, Amtrak switcher locomotive replacement (sub-grant was awarded to COG to coordinate project) and Electrification of DC Circulator buses (DOEE-DDOT MOU is in process).	
Implement Safe Drinking Water in Child care Facilities Program	In FY19, DOEE will require each Child Development Facility to locate all drinking water sources, and post signs on sources that are not acceptable for drinking water. A DOEE inspector will contact the facility to arrange an appointment to sample and install a drinking water filtering system on all facilities identified with drinking water sources. DOEE will then sample drinking water from these sources and determine if it is necessary to install filters. Completion date: September 30, 2019.	Complete	We have identified sources with lead content above 5 PPM in all licensed Child Development Facilities. Those identified sources were tagged out for non-use. Subsequently, those sources, along with all identified drinking water sources in the Child Development Facilities, have been outfitted with point of used source filters.	
<b>Natural resources services performed by agency (6 Strategic initiatives)</b>				
Develop and administer Clean Rivers Impervious Area Charge (CRIAC) relief programs	In FY19, DOEE will coordinate with DC Water to establish and administer relief programs for eligible organizations and residents experiencing hardship paying the Clean Rivers Impervious Area Charge (CRIAC) on their DC Water bills. DC Water uses the funding to reduce the discharge of raw sewage mixed with stormwater through the District's antiquated combined sewer system. DOEE's Natural Resources Administration (NRA) will administer the relief program for eligible organizations, and the Energy Administration (EA) will administer the relief program for eligible residents. Completion Date: September 30, 2019 .	Complete	From January 2, 2019 through the end of FY19, DOEE provided relief on the DC Water CRIAC to 148 nonprofit organizations through the CRIAC relief program. Relief granted in FY19 totaled \$1,424,331. During Q4, The Regulatory Review Division (RRD) also finalized the programs regulations, updated the MOU with DC Water and opened the FY20 program.	
Manage a safety study of Bloom biosolids	In FY 19, DOEE will coordinate with DC Water to study the safety effects of DC Water's Bloom biosolids. The study will look for potential toxic residue, metals, and chemicals that could remain in the product even after it is treated. DC Water and Sierra Club DC will conduct the study in future fiscal years. Completion date: September 30, 2019.	Complete	An MOU providing for the transfer of DOEE funds to DC Water to support the Bloom Biosolid Study was executed on 9/6/19. The \$25,000 included in DOEE's budget in this year's BSA was transferred to DC Water prior to the end of FY19.	
Improve flood resiliency regulations	In FY19, DOEE will release revised floodplain regulations. These regulations will 1) incorporate requirements from the Federal Emergency Management Agency that are necessary for District properties to continue to have the opportunity to purchase federally subsidized insurance under the National Flood Insurance Program; 2) reduce the risk of damage to property and harm to life during flooding events; and 3) increase the District's resiliency in adapting to climate change. Completion date: September 30, 2019.	75-99%	RRD (Regulatory Review Division) provided a revised version to OGC on July 17. OGC returned comments and RRD has been working through the latest comments. RRD expects to release the regulations for public comment in Winter 2019. The new regulations propose an expansion of the regulated floodplain from the 100-year to the 500-year, and increased the height of the first floor elevation that will be required of buildings in floodplains. Together these changes (and others) will address the 3 items in the description.	1. Throughout FY19, staff has been working through multiple rounds of comments with OGC to address significant legal questions around how DOEE can inspect properties, fine owners for non-compliance, define properties that store hazardous materials, and require proof of flood insurance. These issues, in combination with limited staff resources due to the departure of 2 out of 3 floodplain staff, have caused the delay. Three new positions for the floodplain team have recently been advertised on DCHR. 2. Estimated completion Date - DOEE plans to send the draft version to stakeholders by end of December 2019. After responding to comments and routing the draft through OAG, OPLA, and OCA, DOEE aims to publish a rulemaking in the DC Register by September 2020.

Strategic Initiative Title	Strategic Initiative Description	Completion to Date	Status Update	Explanation for Incomplete Initiative
Expand and enhance the self-inspection and self-reporting pilot program for maintenance of stormwater best management practices	In FY19, DOEE will expand and enhance the pilot program to allow all property owners with regulated BMPs in the District, including District agencies, to self-inspect and self-report required maintenance for stormwater best management practices (BMPs) via the DOEE Stormwater Management Database. This program is anticipated to provide flexibility and reduce processing time for the regulated community and to enable the agency to reallocate resources to meet increased demand for pre-construction inspections. Completion date: September 30, 2019.	Complete	11 pre- and post-maintenance reports for over 35 Best Management Practices (BMPs) were successfully submitted and approved through the Self Inspection Self Reporting (SISR) portal. A workshop for Stormwater Management Plan (SWMP) owners/agents was conducted ; 9 persons attended and 2 were from DGS.	
Develop volunteer Water Quality Monitoring Program	In FY19, DOEE will develop a volunteer water quality monitoring program in collaboration with the Anacostia Riverkeeper. The volunteer water quality monitoring program will recruit a diverse group of District residents from all 8 wards to sample water for E. coli in areas where residents and visitors recreate. Monitoring will take place from May to September, and the data will be accessible through the Chesapeake Monitoring Cooperative (CMC) database. Completion date: September 30, 2019.	Complete	DOEE and Anacostia Riverkeeper developed the District's volunteer-based water quality monitoring program. 80 of the 120+ trained volunteers from 8 wards monitored 22 sites weekly from May - September; tested pH, turbidity, air and water temperatures at 7 sites each on the Anacostia and Potomac Rivers and 8 Rock Creek sites. 500+ bacteria samples were collected and analyzed, 2200+ baseline data points were published, via Swim Guide, Water Reporter and CMC database.	
Implement Stormwater Pollution Prevention Program Plan for District Operations (2 YR INITIATIVE)	In FY19, DOEE will work with sister agencies to implement Stormwater Pollution Prevention Program Plan for District Operations (also known as P2 O&M Plan) to fulfill a Consent Order with EPA for the District's MS4 program. DOEE will implement the following parts of the O&M Plan: Develop an inventory of Critical Source Facilities with information on contacts, operations, and BMPs for every site; Work with all Tier 1 facilities on SWPPP development; Work with DGS to develop, beta test, and launch P2 Database, and coordinate at least one training on it; Provide stormwater P2 trainings for at least 20 facilities and at the snow plow operator trainings; and Share BMP locations and maintenance needs to O&M Plan facilities. Completion of phase 1: September 2019. Completion of project: September 2020.	75-99%	In FY2019 DOEE achieved the following progress towards completing this project: -The inventory of Critical Source Facilities is complete, except for identifying DGS staff (95% done). -All but 6 facilities have Stormwater Pollution Prevention Plans (SWPPPs), and a template SWPPP and workshop have been provided to sister agencies (85% done). -The Pollution Prevention (P2) Database is being beta tested at 2 facilities (50% done). -Trainings have been provided to over 20 facilities (100% done), 93% of all required staff are current on trainings. -Share BMP and maintenance needs to O&M Plan facilities (100% done).	This initiative was created as a 2-year initiative. The original completion date is September 2020.
<b>Sustainability and engagement activities performed by the agency (6 Strategic initiatives)</b>				
Create an implementation strategy and design guidelines for Climate Ready DC	In FY19, DOEE will continue to implement Climate Ready DC through coordination with District agencies, outside consultants, and community partners. Specific initiatives to implement Climate Ready DC will include the development of a strategic implementation plan, design guidelines for climate resilient infrastructure, and an assessment of potential funding and financing options including an assessment of the DC Green Bank. DOEE will also continue to support efforts to better understand flood risk and address areas most vulnerable to flooding, such as the neighborhoods along Watts Branch through continued engagement with DC Silver Jackets and US Army Corps of Engineers. In addition, DOEE will continue to work with other agencies to incorporate climate resilience into relevant plans including the Comprehensive Plan, the District Mitigation Plan, and the Resilient DC. Completion date: September 30, 2019.	75-99%	DOEE has completed the Climate Ready DC Roadmap to be published soon, a draft of the Design Guidelines to be shared with DC agencies, and case studies of funding and financing options. DOEE is supporting a residential flood assistance program study and community engagement project in the Watts Branch area. Climate risks were incorporated into FY19 plans including Resilient DC.	It has taken us longer than expected to move the Climate Ready DC strategic implementation plan through review and layout. It should be published publicly by the end of November 2019. Additionally, based on interagency feedback we have rethought the timeline on Resilient Design Guidelines to make sure that the final deliverable is more useful. In FY19 we completed a beta-version of the document, but are opting to use the next year to rework and revise that document for a version 2 of the document. The resilience design guidelines version 2 should be completed May 2020.
Advance the development and implementation of green buildings through interagency coordination and technical assistance.	In FY19, DOEE will provide policy development and implementation assistance for green and high performance buildings. This will include providing technical assistance to sister-agencies which fund and regulate affordable housing to advance green practices in the affordable sector. DOEE will continue to improve the resilience of affordable housing through implementation of the Resilience Audit/Solar Tool for Affordable Housing, funded by DOEE in FY18. DOEE will also support the implementation of the building sector strategies in Clean Energy DC, including providing education and outreach around the new proposed building energy codes, participating in the development cycle for the next building codes, and providing analysis and technical assistance guide the development of a building energy performance standard. DOEE will leverage the Green Building Fund grant program to drive research and innovation in green building practices in the District. Completion date: September 30, 2019.	Complete	Resilience Assessment Tool grant and four Net Zero Energy project grants completed. Business plan for the launch of a high performance building hub complete. Second public comment for Building Codes reviewed and no major changes necessary. Codes are being finalized and sent out for final approval. Two meetings held with DHCD to brief on BEPS, and support provided for multiple engagement events. Worked with OP to refine the Historic Sustainability Guide.	



Strategic Initiative Title	Strategic Initiative Description	Completion to Date	Status Update	Explanation for Incomplete Initiative
Develop strategy to meet Mayor Bowser's pledge to be carbon neutral by 2050 (2 YR INITIATIVE)	In FY19, DOEE will begin to develop a strategy for achieving carbon neutrality that will build on the Clean Energy DC and Sustainable DC plans in order to meet the Mayor's pledges to be carbon neutral by 2050 and to adopt a Paris Accord-compliant carbon reduction plan by the end of 2020; DOEE will finalize the strategy in FY20. DOEE will lead the District's participation in the C40 Climate Leadership Group, Global Covenant of Mayors for Climate & Energy, Carbon Neutral Cities Alliance, and Climate Mayors networks to support the District's climate commitments. DOEE will also release an annual greenhouse gas inventory showing progress since 2006, publicly report its actions to reduce carbon and adapt to a changing climate, and participate in projects and peer-learning opportunities to advance climate solutions, particularly around energy, buildings, and transportation. Completion date: September 30, 2020.	50-74%	DOEE has begun to coordinate with sister agencies to develop a public engagement strategy for FY20, which will kick-off in Q2. DOEE has also engaged a community partner to facilitate a set of community conversations in Q2 – Q3. These will inform the community values core to the strategy, and help define criteria by which to evaluate the equity implications for future policy.	
Create an enforcement program and begin enforcement of eCYCLE DC and PaintCare programs	In FY19, DOEE will develop an enforcement program and begin enforcement for the eCYCLE DC and PaintCare product stewardship programs. DOEE will develop a standard operating procedure (SOP) for enforcement of the eCYCLE DC and PaintCare product stewardship programs. DOEE will also begin enforcement of both product stewardship programs, including charging shortfall fees for entities falling short of their established eCYCLE DC collection targets. Completion date: September 30, 2019.	Complete	SOP for the Paint Stewardship Program was developed and utilized in inspections of 27 paint retail stores in the District. Administrative enforcement of Electronics Stewardship Program for the 2019 calendar year was completed with shortfall fees charged to manufacturers that did not meet their collection targets.	
Update the District's Sustainable DC Plan: Sustainable DC 2.0 (2 YR INITIATIVE CON'T)	In FY19, DOEE will finalize the five-year update of the District's sustainability plan, Sustainable DC 2.0. The final plan is set to be released to the public in December 2018. The 18-month plan update began in April 2017 and has included over 30 community meetings, coordination with 27 sister-agencies, topic-specific working groups, stakeholder roundtables, open houses, pop-up events, and has utilized creative, online feedback tools to solicit input on drafts. A technical consultant team is also involved in assessing the feasibility and soundness of the goals, targets, and actions in the plan update. In August 2018, a draft plan will be released to the public and will be open to feedback for 30-days. After incorporating feedback on this draft plan, the final plan will be released by the end of 2018. Completion date: September 30, 2019.	Complete	The Sustainable DC 2.0 Plan was released in early 2019, and was distributed digitally via the Sustainable DC and DOEE websites, email, social media, and a press release. In Q4, the plan was mailed to all directors of relevant District Government agencies, all Council Members and ANCs throughout the city that represent neighborhoods with majority populations of color.	
Use community engagement best practices to expand the reach of programs into historically underserved communities	In FY19, DOEE will implement best management strategies gained from last year's pilot inclusive engagement project. This will include launching an Equity Impact Committee that will create an Equity Impact Assessment Tool as part of Sustainable DC 2.0. DOEE will also work to specifically target senior and youth populations through creative engagement strategies that involve partnerships with community leaders to address community priorities. Through these engagements, DOEE will work to expand the reach of its business programming to better educate business owners on sustainable practices and to also recognize the sustainable work of businesses in historically underserved communities. Completion date: September 30, 2019.	75-99%	DOEE formed the Equity Impact Committee, which is working on the Equity Assessment Tool, anticipated to be completed in December. DOEE is in the process of implementing the first year of the engagement strategy for Sustainable DC. In addition to delivering copies of the updated plan to all District libraries and targeted ANC members, DOEE also completed 12 sustainability conversation cards to help attract new audiences. DOEE has also hosted two compliance workshops where a total of 55 people attended.	Our consultant working on the equity impact assessment tool closed their business in the middle of our project. We've been working to bring someone new on to finish the project but it's been tricky to find the right consultant. We anticipate the project will be done by January.