

Department of Energy and Environment FY2018

FY2018 Performance Accountability Report

The Performance Accountability Report (PAR) measures each agency's performance for the fiscal year against the agency's performance plan and includes major accomplishments, updates on initiatives, and key performance indicators (KPIs).

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.

FY18 Top Accomplishments

What is the accomplishment that your agency wants to highlight?	How did this accomplishment impact residents of DC?	How did this accomplishment impact your agency?
Solar For All awarded \$13.2 million in grants to fund the expansion of solar capacity in Washington, DC. As of Sept 30, 2018, approximately 1 MW of the 7 MW goal has been installed as part of this 2-year initiative. Installation of additional solar capacity by the Solar for All Innovation and Expansion grantees is expected to increase exponentially in FY19 and DOEE will achieve its 7MW goal of new solar capacity by the end of FY19.	As of September 30, 2018, Solar for All has installed rooftop solar arrays on 76 income-qualified single family homes through the Solar Works DC job training program, and secured 84 income eligible subscribers to the Open Market ESCO community solar project in the District. Additionally, 203 seniors and disabled residents will be served as part of the Garfield Terrace project, totaling 363 low-income households served through DOEE solar programs.	This progress brings DOEE closer to achieving the vision of Solar for All, which aims to bring solar energy benefits to 100,000 low-income households, and to cut their electricity bills in half, by 2032. We expect to make significant strides in completing the first phase of Solar for All in FY19, including the completion of the nine Innovation and Expansion Grants.
<p>The District has been recognized for its significant work and commitment in the areas of climate change and sustainability:</p> <p>1) Climate Ready DC won the Cities4Tomorrow Award from C40 Cities Bloomberg Philanthropies, the District was recognized as a Top 10 Climate Action City, and Mayor Bowser reiterated the District's commitment to make the DC carbon-neutral and climate resilient by 2050.</p> <p>2) DC, a city that has the most LEED-certified projects per capita than any state, became the first city in the world to receive a LEED for Cities Platinum leadership certification, the U.S. Green Building Council's highest award. The District entered into one of the largest municipal onsite solar projects in the nation, completed the largest wind power purchase agreement by an American city, and pledged to uphold the commitments of the</p>	<p>1) The District's leadership in climate adaptation will have important long-term benefits for District residents. Preparing for a changing climate will protect the economic well-being, prosperity, safety, and diversity that makes DC resilient. Better understanding how climate change will impact the District, and taking action to prepare for those risks, will position DC to be successful in the years ahead and protect future generations.</p> <p>2) Since the launch of Sustainable DC, Climate Ready DC, and other critical initiatives, 65 percent of neighborhoods are walkable, 58 percent of commuter trips are by biking, walking, or using the transit, and greenhouse</p>	<p>2) LEED measures the District's sustainability across an array of metrics such as energy, water, waste and transportation. The program also factors in the human experience, which includes education, prosperity, equity, health and safety. DOEE has built and cultivated meaningful relationships with sister-agencies, key stakeholders, and the District residents to engage in a collaborative process, that has led to these successful outcomes and national recognition.</p>

What is the accomplishment that your agency wants to highlight?	How did this accomplishment impact residents of DC?	How did this accomplishment impact your agency?
Paris Climate Accord to reduce greenhouse gases by 80 percent by year 2050. In addition to releasing Climate Ready DC, Sustainable DC 2.0 was launched, incorporating innovative technologies that will monitor the District's progress on reaching our sustainability goals.	gas emissions were reduced by 24 percent, thus improving the quality of life for all who live and visit the District.	
<p>DOEE made great strides in its efforts to manage issues impacting our rivers and conservation efforts:</p> <p>1) DOEE launched a newly redesigned Online Fishing License Permit and Fee System, which has reduced time and increased efficiency for District and non-residents who purchase fishing permits.</p> <p>2) The Potomac River achieved a B Grade on the Potomac RiverKeeper Report Card and received high marks (all As) for Nitrogen, Phosphorus, and Sediment levels, which all help meet Chesapeake Bay obligations.</p> <p>3) The District made significant progress, in coordination with the National Park Service, on efforts to address contaminated sediments in the Anacostia River. The Remedial Investigation was completed, and a draft report was released for public comment. A Feasibility Study (FS) to determine the best way to remediate contaminated sediments is underway.</p> <p>4) Mayor Bowser announced a \$4.7 million investment in educational and recreational improvements at Kingman and Heritage Islands. Additionally, the islands were designated as State Conservation Areas, and the southern area of Kingman Island was designated as a Critical Wildlife Area. These designations mimic the federal covenant for protecting natural areas, restricting their use to environmental, educational, and recreational purposes.</p>	<p>1) The process to obtain a DC fishing license used to take 25 minutes and was a 20+ click process. It now takes about 2 minutes and 2 clicks. DOEE also for the first time began issuing fishing licenses electronically.</p> <p>2) The passing grade for the Potomac River demonstrates to District residents that investments in restoring local waters are making a difference and the health of the river is improving. This grade also reinforces perceptions that our local rivers are a valuable resource and provide important recreation opportunities, including boating and fishing. In addition to the passing grade, there are other key indicators that the health of the River is improving.</p> <p>3) Completion of Anacostia River Sediment Project is the first step towards cleanup of the Anacostia River. While cleanup activities are not expected to begin until 2020, DC residents can look forward to a cleaner, healthier Anacostia River.</p> <p>4) Residents of the District will benefit from having close access to their own first-of-its-kind natural park where they can learn about the natural environment and enjoy the benefits of recreating in nature. Young residents will have improved facilities that will enable them to continue to benefit from the numerous environmental education programs that currently take place on the islands.</p>	<p>1) This new, streamlined process has provided greater efficiency and management of licenses, by eliminating potential bottlenecks or delays in processing and issuing license permits.</p> <p>2) This passing grade helps DOEE demonstrate to the public that investments in restoring local waters is making a difference and we are making progress towards meeting our goals of swimmable and fishable waters in the District. In addition, the passing grade demonstrates that we are making progress towards meeting our Chesapeake Bay water quality obligations, as well as our local water quality obligations.</p> <p>3) In FY18, DOEE further characterized the nature and extent of contamination in the Anacostia River and identified its risk to human and ecological health. DOEE continues to make progress towards the District's goal of a restored Anacostia River.</p> <p>4) The designation of Kingman and Heritage Islands as State Conservation Area and the southern area of Kingman Island as a Critical Wildlife Area enables DOEE to continue its work towards achieving the goals of the 2015 Wildlife Action Plan of protecting its wildlife and habitats and Sustainable DC goals of increasing environmental literacy through meaningful watershed education.</p>

2018 Strategic Objectives

Objective Number	Strategic Objective
1	Conserve the natural environment and wildlife of the District, and restore and protect aquatic resources from pollution and degradation
2	Protect the public health of all District residents by improving the environment in areas related to air, soil, and indoor pollution
3	

Objective Number	Strategic Objective
	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	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.
5	Administer efficient and effective environmental enforcement operations, strategies, and outreach that bring polluters into compliance with the District's environmental laws
6	Create and maintain a highly efficient, transparent and responsive District government.**

2018 Key Performance Indicators

Measure	Freq	Target	Q1	Q2	Q3	Q4	FY2018	KPI Status	Explanation
1 - Conserve the natural environment and wildlife of the District, and restore and protect aquatic resources from pollution and degradation (3 Measures)									
Square footage of green roofs installed	Quarterly	225,000	154,225	140,166	71,066	150,891	516,348	Met	
Percent of District land retrofitted with green infrastructure that prevents stormwater runoff from becoming pollution	Annually	3.1%	Annual Measure	Annual Measure	Annual Measure	Annual Measure	3.6%	Met	
Number of trees planted by DOEE to help the District meet its goal of 40 percent tree canopy coverage by 2032	Quarterly	2050	1121	416	1146	369	3052	Met	
2 - Protect the public health of all District residents by improving the environment in areas related to air, soil, and indoor pollution (5 Measures)									
Number of days in which ozone levels exceed the National Ambient Air Quality Standards	Annually	8	Annual Measure	Annual Measure	Annual Measure	Annual Measure	6	Met	
Compliance rate of underground storage tanks inspected	Quarterly	85%	87.5%	89%	92%	92%	90.1%	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	1%	Annual Measure	Annual Measure	Annual Measure	Annual Measure	0.6%	Met	
Compliance rate of permitted minor sources, e.g., gas stations and drycleaners, inspected	Quarterly	80%	90%	67%	59%	79%	73.8%	Nearly Met	
Percent of properties with identified lead-based paint hazards that are issued an	Quarterly	90%	100%	100%	84.6%	88.9%	93.3%	Met	

Measure	Freq	Target	Q1	Q2	Q3	Q4	FY2018	KPI Status	Explanation
Enforcement Order or a Notice related to the identification of a lead-based paint hazard within 28 days of the property's risk assessment									
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)									
Number of low-income units weatherized	Quarterly	220	0	0	41	461	502	Neutral Measure	
Percent of renewable energy usage in the District	Annually	14%	Annual Measure	Annual Measure	Annual Measure	Annual Measure	14.7%	Met	
Number of solar installations incentivized for renewable energy for low income residents	Quarterly	250	23	4	220	117	364	Met	
Compliance rate of energy benchmarking	Annually	80%	Annual Measure	Annual Measure	Annual Measure	Annual Measure	91.2%	Met	
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)									
Number of LEED certified projects in the District	Quarterly	950	884	916	944	973	973	Met	
Percent of greenhouse gas emissions reduction from the 2006 baseline year to meet 2050 goal	Annually	29%	Annual Measure	Annual Measure	Annual Measure	Annual Measure	29%	Met	
Percent of actions in the Sustainable DC Plan under way	Quarterly	65	72	72	70.6	70.6	70.6	Neutral Measure	
Percent of actions in the Sustainable DC Plan complete	Quarterly	30	25.2	25.2	27.3	27.3	27.3	Nearly Met	
5 - Administer efficient and effective environmental enforcement operations, strategies, and outreach that bring polluters into compliance with the District's environmental laws (1 Measure)									
Rate of Compliance with District Environmental Law Detected through Inspections	Annually	75%	Annual Measure	Annual Measure	Annual Measure	Annual Measure	76.5%	Met	

**We've revisited a project to standardize District wide measures for the Objective "Create and maintain a highly efficient, transparent and responsive District government." New measures will be tracked in FY18 and FY19 and published starting in the FY19 Performance Plan.

Measure	Freq	Q1	Q2	Q3	Q4	FY 2018
1 - Natural resources services performed by agency (10 Measures)						
Number of RiverSmart Homes audits performed	Quarterly	267	301	267	202	1037
Number of rain gardens installed by RiverSmart Homes	Quarterly	47	30	40	34	151
Number of installations for RiverSmart Communities Program	Quarterly	2	0	2	1	5
Number of stormwater management and erosion/sediment control inspections	Quarterly	946	1393	1325	1425	5089
Number of Bag Law inspections	Quarterly	131	144	141	136	552
Number of coal tar inspections	Quarterly	5	0	55	0	60
Number of Foam Ban inspections	Quarterly	82	74	88	49	293
Number of MS4 outfalls inspected	Quarterly	64	84	31	76	255
Number of MS4 facilities inspected	Quarterly	26	17	18	29	90
Number of Aquatic Resources Education Center visitors	Quarterly	788	829	3071	1163	5851
2 - Environmental health services performed by agency (9 Measures)						
Number of contaminated site clean-ups under regulatory oversight in the District	Quarterly	22	23	23	23	23
Number of open leaking UST remediation sites under regulatory oversight	Quarterly	152	148	148	149	149
Number of Brownfield assessments completed	Quarterly	0	0	0	0	0
Number of full-compliance evaluations of Title V facilities	Quarterly	0	1	5	14	20
Number of asbestos inspections conducted	Quarterly	28	30	30	20	108
Number of Significant Operational Compliance inspections of underground storage tanks conducted	Quarterly	8	19	12	13	52
Number of pesticide marketplace inspections conducted	Quarterly	12	22	16	27	77
Number of hazardous waste inspections conducted	Quarterly	10	17	29	49	105
Number of requests to respond to potential spills, releases, and other environmental emergencies	Quarterly	10	41	45	55	151
3 - Energy services provided by agency (2 Measures)						
Number of buildings reporting ENERGY STAR benchmarking data to DOEE	Annually	Annual Measure	Annual Measure	Annual Measure	Annual Measure	1670

Measure	Freq	Q1	Q2	Q3	Q4	FY 2018
Number of households receiving energy assistance	Quarterly	8367	5038	3954	2911	20,270
4 - Sustainability and engagement activities performed by the agency (3 Measures)						
Number of businesses and institutions participating in sustainability pledges or challenges	Quarterly	130	130	130	130	130
Number of social media posts and electronic communications containing environmental and sustainability engagement messaging	Quarterly	456	242	474	762	1934
Number of school visits, community meetings, and events where environmental and sustainability programs, activities, and initiatives are promoted	Quarterly	37	35	28	58	158
5 - Enforcement services performed by the agency (2 Measures)						
Amount collected from fines and penalties	Quarterly	\$46,067.9	\$41,773	\$70,832.5	\$95,216	\$253,889.4
Number of Notices of Infraction processed	Quarterly	66	69	35	100	270

2018 Strategic Initiatives

Title	Description	Complete to Date	Status Update	Explanation
Energy services (6 Strategic initiatives)				
Execute Solar for All DC Innovation and Expansion Grants, and integrate the Solar for All Implementation Plan with existing low-income energy programs	In FY18, DOEE will 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 MW of solar generation capacity, and that the benefits go to low-income District residents. This is a two year initiative; the grant period is 21 months from the date of award; however, the solar systems must be completely installed and interconnected within 18 months from the date of award. DOEE will also pursue new partnerships with sister agencies in the form of MOUs to facilitate 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 analyze how to incorporate	0-24%	As of Sept 30, 2018, approximately 1 MW of the 7 MW goal has been installed, as part of this 2-year initiative. Installation of additional solar capacity by the Solar for All Innovation and Expansion grantees is expected to increase exponentially in FY19 as many grantees are finalizing site access and have initiated permitting and part 1 (of a 2 part) interconnection process with Pepco. We expect to achieve the goal of building 7 MW of new solar capacity by the end of FY 19. This is a 2 year initiative.	This is a 2 year initiative with a completion date of 9/30/19.

Title	Description	Complete to Date	Status Update	Explanation
	net-metering and virtual net-metering as part of the energy assistance benefit matrix. Completion Date: September 2019.			
Develop and Implement the Solar Works DC solar systems installation and job training program	In FY18, DOEE will implement Solar Works DC, a new low-income solar systems installation and job training program, which is the workforce development component of the District's Solar For All implementation. In addition to preparing District residents to enter careers in solar and related industries, Solar Works DC will increase solar capacity in the District and reduce energy costs for qualified low-income District homeowners by installing solar systems on their homes. In year one, the program will train up to 75 residents, ages 18 and over, for solar careers and will install solar systems on 60-100 low-income households. Completion Date: September 2018.	Complete	As of September 30, 2018, the Solar Works DC program has successfully installed 76 rooftop solar arrays on income-qualified single family homes throughout the District. Additionally, 100 District residents across 4 cohorts have been trained to install rooftop solar arrays, 78 graduated from the program, resulting in gainful employment for 25 District residents in solar-related fields, following their training.	
Establish the DC Green Bank and create a strategic pathway to transfer DC PACE to the Green Bank	In FY18, DOEE will establish a DC Green Bank in accordance with the District of Columbia Green Finance Authority Establishment Act of 2017. As the first municipal green bank in the nation, the DC Green Bank will be a new, innovative policy tool to help the District meet its sustainability, energy, climate change, and resiliency goals. DOEE will also prepare for the transfer of the existing DC PACE program to the Green Bank, a multi-agency coordinated effort. This is a two year initiative in light of pending legislation. Completion Date: September 2019.	50-74%	The Act completed Congressional review on August 22, 2018. A slate for the Board of Directors was proposed to EOM and MOTA; no decisions can be made until the Board of Directors is in place. DOEE continues to focus on developing core documents, conduct market and other research, and provide any support required so that the Board may proceed once confirmed this winter. The Phase 1 product development grant concluded and Harcourt Brown & Carey (HB&C, a national consulting energy and consulting firm) proposed 3 products for early development- a single family loan, commercial credit enhancement, and gap financing for solar. A Phase 2 RFA will be posted on 10/5. A Program Analyst to support the Green Bank will start 10/1/18. This is a 2 year initiative.	This is a 2 year initiative with a completion date of 9/30/19.
Finalize the Clean Energy DC Plan	In FY18, DOEE will finalize Clean Energy DC, the District's plan to achieve its aggressive greenhouse gas emissions targets through energy innovation, efficiency, and resiliency. The plan will clearly identify actions to be taken between now and 2032 in our buildings, energy infrastructure, and transportation system to meet our energy and climate goals. DOEE will incorporate comments received from the public during FY17, and produce a final version that accounts for changes to the national energy landscape since the draft plan was completed in 2016. DOEE will work to ensure that Clean Energy DC and Sustainable	Complete	The final Clean Energy DC plan (CEDC) was published on the DOEE web site on August 28, 2018. A press release was issued just prior to Director Wells' appearance at the Global Climate Action Summit (GCAS) on September 13, 2018. DOEE will hold their CEDC kick-off meeting on October 18, 2018 to discuss goals, action items, priorities, and implementation of the 57 items listed.	

Title	Description	Complete to Date	Status Update	Explanation
	DC 2.0 are aligned and mutually-supporting. DOEE will propose new legislation based on key actions in the Clean Energy DC plan, and initiate studies needed to implement other areas of the plan. Completion Date: September 2018.			
Enhance the District's Benchmarking Program through the creation of a Building Performance Standard, improved communication with building owners, and more detailed data sharing	In FY18, DOEE will begin a 2 year initiative 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 2019.	50-74%	Legislation that includes a Building Energy Performance Standard (BEPS) was introduced by Council in July. DOEE's working group continued to meet regularly to discuss the legislation and provide data to Council regarding the impact of the bill. DOEE provided further input to the Institute for Market Transformation (IMT) on the design of the scorecard, which are intended to educate owners on how their buildings are performing compared to their peers; DOEE expects to see a final design mock-up from IMT in early FY19. This is a 2 year initiative.	This is a 2 year initiative with a completion date of 9/30/19.
Update and enhance DC's Energy Assurance Plan	In FY18, DOEE will update and enhance the District's Energy Assurance Plan (EAP). The EAP provides information on how the District, and DOEE in particular, will respond in case of an energy emergency, and promotes the resiliency of the District's energy systems to reduce vulnerabilities. The plan also provides DOEE's participation in promoting policies and programs that enhance the District's energy systems. Completion Date: September 2018.	Complete	DOEE has completed its update of the 2018-2023 DC Energy Assurance Plan (EAP). This update includes the Emergency Fuel Coordination Plan (EFCP), which enables DOEE to execute its responsibilities under the 2015 District Response Plan (DRP). This update describes the role of DOEE's responsibilities and its effort on promoting resiliency of the energy systems in the District.	
Enforcement (1 Strategic Initiative)				
Establish and maintain regulations that protect and improve the	In FY 18, DOEE will update and improve the portions of the Municipal Code of Regulations under its regulatory authority to protect public health and the environment. The Department will	75-99%	1) Mold licensure schedule of fines: At the end of FY18, OAG requested additional changes, but the schedule of fines will be finalized for transmittal to Council for approval in FY19; 2) Underground storage tank regulations: At the	Delays are due to parts of the process which DOEE has no control over. Timelines for

Title	Description	Complete to Date	Status Update	Explanation
environment for District residents, specifically in the areas of natural resources, environmental services, energy, and sustainability	also develop new regulations when required by newly enacted laws, and develop regulations to enact new programs. The Department expects to promulgate final versions of regulations to: establish the mold licensure schedule of fines; update the underground storage tank regulations; implement the non-woven disposable wipes requirements; and update the fisheries and wildlife regulations. Completion Date: September 2018.		end of FY18, EPA provided a third round of comments on the regulations and OAG began reviewing them; the regulations will be published in early FY19; 3) Non-woven disposable wipes requirements: In late FY18, regulations were reviewed by DC Water and will be submitted to the federal judge assigned the case contesting the rulemaking in early FY19; and 4) Fisheries and wildlife regulations: To accommodate additional licensing program changes, DOEE decided to finalize the draft of the regulations by FY19 Q2 ahead of the fishing season.	completion are highlighted in the "Initiative Status Update" section.
Environmental Services (5 Strategic initiatives)				
Issue the final Remedial Investigation and Feasibility Study for remediation of contaminated sediments in the Anacostia River and Washington Channel	In FY18, DOEE will complete and release the final Remedial Investigation and Feasibility Study for remediation of contaminated sediments in the Anacostia River and Washington Channel. This will include a third round of tributary work and ongoing public outreach, community meetings, and opportunities for public input. This work will support the agency's development of a Record of Decision detailing cleanup options for the river. Completion Date: September 2018.	25-49%	The response to comments for the Remedial Investigation (RI) report is being finalized. The Preliminary Remediation Goals (PRG) calculations for the initial draft was too conservative to get concurrence from stakeholders; DOEE evaluated options with recommendations to use 10-5 risk levels for sediment cleanup; the City Administrator and Deputy Mayor for Economic Development concurred with this assessment. The Feasibility Study (FS) draft is currently being prepared. DOEE initiated a source control strategy for upstream polychlorinated biphenyl (PCB, an organic chlorine compound) contaminated sediments in tributaries.	Due to the extended review and findings in several of the reports, the release of the Feasibility Study will be moved into FY19. DOEE has completed this additional research, and is now moving forward with final drafts on the reports and feasibility study. DOEE also needs concurrence from sister-agencies to release documents. DOEE anticipates that a draft will be available FY19 Q1.
Improve monitoring of sources of minor air pollution in the District through enhanced inspections	In FY18, DOEE will expand its inspections of minor sources of air pollution and revisit auto painting operations. DOEE will optimize the compliance monitoring of sources through the use of portable electronic devices and expanded inspection checklists. These activities will increase the quantity and quality of inspections	Complete	DOEE developed checklists, which have been implemented for all minor source inspection types. In addition, DOEE has developed and will deploy e-inspection reporting forms for asbestos, odor complaints, and major sources of air pollution in FY19.	

Title	Description	Complete to Date	Status Update	Explanation
	performed in an effort to reduce air pollution in the District. Completion Date: September 2018.			
Enhanced outreach and compliance assistance pertaining to tenants' rights under the Lead Hazard Prevention and Elimination Act	In FY18, DOEE will work to reduce lead exposure to District children from lead-based paint hazards through outreach and compliance assistance focused on education around the District's Lead-Hazard Prevention and Elimination Act. DOEE will engage in committed partnerships with sister agencies, including the Office of the Tenant Advocate, the Department of Consumer and Regulatory Affairs, and the DC Housing Authority, and with community partners that include the Apartment and Office Building Association and the Greater Capital Area Association of REALTORS®. To support this initiative and enhance the prospects for its ultimate success, DOEE will also develop partnerships with tenant organizations and legal aid providers, among other community groups and non-profits. Completion Date: September 2018.	Complete	DOEE's lead compliance activities included placing print, web, mobile, and cinema ads that made nearly 850,000 impressions, updating Office of Tenant Advocate's (OTA) Tenant Bill of Rights, tabling at OTA's 11th Annual Tenant Summit, conducting webinars with 36 attendees, and convening two Interagency Working Group on Healthy Housing meetings. DOEE's DC Healthy Homes Digest grew to 328 subscribers, up 76% from prior quarter.	
Develop a new program to reduce lead exposure from drinking water in child development facilities throughout the District	In FY18, DOEE will work to reduce lead exposure to District children from drinking water and secure new staff and contractual support to start developing a new program aimed at coordinating with daycare and child development facilities. Additionally, DOEE will develop a tool to track compliance with the Childhood Lead Exposure Prevention Amendment Act of 2017. Completion Date: September 2018.	Complete	This new program was launched in early FY18. New staff were hired and sampling began. DOEE developed a database to track which facilities had been sampled, their respective results, and if needed, corrective actions taken. Meetings have been held with DGS and OSSE to keep them informed on the program, and so that they can also update their data pertaining to water concerns at daycare facilities.	
Phase II Airplane Noise Study -	In FY18, DOEE will conduct public engagement with the	Complete	The grantee, CSDA Design Group, completed the additional field survey in July	

Title	Description	Complete to Date	Status Update	Explanation
(Council Enhancement)	affected communities and stakeholders, draft the project scope (or statement of work) based on stakeholder feedback, and issue a Request for Application. Completion Date: September 2018.		and completed all the analyses in this 4th quarter. CSDA prepared a comprehensive report of their assessment of the DCA airplane noise environment and made recommendations for mitigating noise impacts on the District communities. On September 20, 2018, EOM, DOEE and CSDA conducted a public meeting and discussed the results and recommendations with the community. The project team engaged the community regularly throughout this project. The DCA assessment report has been shared with EOM in early October and it will be posted on DOEE's website soon; project work concluded in FY2018.	
Natural Resources Services (7 Strategic initiatives)				
Launch a large parcel tree planting program	In FY18, DOEE will coordinate with the District Department of Transportation and grantees to launch a large parcel tree planting program with the goal of planting an additional 750 trees annually. This program will plant trees on parcels that can accommodate 25 or more trees. In FY16, Mayor Bowser launched an effort to form the Urban Forestry Advisory Committee and increase the District's annual planting to 15,000 trees. This initiative will build upon that accomplishment. Completion Date: September 2018.	Complete	After coordinating with DDOT, the MOU was approved and DOEE fully awarded the Large Parcel Tree Planting grant to Casey Trees. DOEE will need to re-initiate the DDOT-DOEE MOU for FY 19. Grant activities are currently underway.	
Develop a self-inspection and self-reporting pilot program for maintenance of stormwater best management practices	In FY18, DOEE will develop a pilot program to allow District agencies to self-inspect and self-report required maintenance for stormwater best management practices (BMPs). This program will be expanded later to	Complete	The Self-Inspection/ Self Reporting (SISR) pilot program is operational and ready to receive submissions of stormwater Best Management Practices (BMP), for owner self-inspection of maintenance and maintenance service. Throughout FY18, DOEE met with DGS, DPW, and DDOT to explain how SISR will work and benefit them. An abbreviated guidance manual	

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	<p>include all property owners with regulated BMPs. 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.</p> <p>Completion Date: September 2018.</p>		<p>for users is complete, as well as a user-friendly interface for property owners /agents in the stormwater database. A beta test of the SISR interface and functionality was conducted with the initial participants, and final revisions and changes were made to improve forms and simplicity for users. DOEE received its first submissions of SISR from DDOT for Green infrastructure Stormwater BMPs.</p>	
<p>Develop a story map that provides the public with holistic information about the condition of the District's waters and progress with restoration projects</p>	<p>In FY18, DOEE will develop and publish a story map that synthesizes open data from various DOEE divisions to provide the public with information about the health of the District's waterways, restoration projects in each watershed, and additional work needed to meet water quality objectives. A story map is an online format that combines maps with text, website links, images, and video to provide an interactive educational experience.</p> <p>Completion Date: September 2018.</p>	<p>Complete</p>	<p>In Q4 the draft StoryMap underwent final review to ensure it was ready to be made publicly accessible. This review was completed and the StorMap was made publicly accessible via a link on the DOEE website on 9/28/18 (https://doee.dc.gov/publication/ms4-discharge-monitoring-and-annual-reports). DOEE will publicize and build awareness of this product.</p>	
<p>Stream Restoration Projects</p>	<p>In FY18, DOEE will partner with the National Park Service (NPS) in an effort to make the Fort Dupont tributary (a tributary of the Anacostia River) the first stream fully restored to fishable and swimmable conditions in the District. DOEE will contract for stream restoration designs, complete an</p>	<p>25-49%</p>	<p>1) Fort Dupont Environmental Assessment (EA): DOEE and NPS are meeting biweekly to guide the completion of the EA. A site walk took place to determine the extent of additional archaeological investigations, if any, prior to completion of the EA. Guidance on the EA should be given before end of Oct 2018; 2) Fort Dupont Stormwater Management Projects: Construction work has started on the roadway and LID project. Construction work aims to be completed by 12/31/18, however this is dependent on</p>	<p>1) Fort Dupont Environmental Assessment (EA): Present barriers are gaining final guidance on what is needed to complete EA; 2) Fort Dupont Stormwater Management Projects: Work is dependent on</p>

Title	Description	Complete to Date	Status Update	Explanation
	<p>Environmental Assessment, and work with NPS to install stormwater retention practices on roadways that drain to the Fort Dupont tributary. Also in FY18, DOEE will oversee the design and permitting of the Spring Valley stream and park restoration project in coordination with the Department of General Service and the Department of Parks and Recreation. Completion Date: September 2018.</p>		<p>the weather; work will have to stop for freezing temperatures. Project work will be completed by 4/30/19; 3) Spring Valley: Permits have been obtained the stream restoration work will move forward once the contractor completes a project they are currently working on probably in Dec 2018.</p>	<p>the weather; 3) Spring Valley: Present barrier for completion is that the construction contractor needs to finish up another stream project first prior to commencing work at Spring Valley.</p>
<p>Conduct a flood risk management study for Watts Branch</p>	<p>In FY18, DOEE will partner with the U.S. Army Corps of Engineers and other members of the DC Silver Jackets (an interagency team dedicated to reducing flood risk in the District) to conduct a study to better understand flooding in District neighborhoods around Watts Branch and identify possible solutions. The study, which supports actions in the Climate Ready DC plan and the 100 Resilient Cities initiative, will help determine how changing weather patterns may impact flooding in the future. DOEE will finalize engineering models and maps to predict the extent of flooding for different types of storms, identify potential solutions based on data collection and</p>	<p>50-74%</p>	<p>DOEE secured a contract with a DC licensed professional surveyor, Dewberry, to collect the necessary elevation survey data for 70 properties selected due to their location and other geographic indicators with survey completion expected by December 2018. The result of this study will help DOEE to determine community-based flood risk reduction measures and provide residents with a better understanding of their individual flood risks and measures they can undertake to ameliorate their risks. DOEE has reached out to Councilmember Vincent Gray, community leaders, and residents about the work and the need for residents and DC-government-owned facilities managers to participate in the building elevation survey.</p>	<p>DOEE continues to face challenges related to coordination with multiple ongoing and planned initiatives in Watts Branch neighborhoods, and engaging with Watts Branch communities to participate in the building elevation survey with a tight timeline.</p>

Title	Description	Complete to Date	Status Update	Explanation
	<p>modeling work from FY17, assess the elevations of buildings within 100 and 500 year floodplains along Watts Branch, and engage community leaders and residents to create and share strategies to prepare for and manage flooding. A final report will document collected data, maps, best practices, and potential policies and structural solutions for future implementation. Completion Date: September 2018.</p>			
<p>Conduct tracking and monitoring activities to aid in the restoration of the District's American shad population</p>	<p>In FY18, DOEE will continue its effort to restore the District's American shad population as part of the implementation of the Omnibus Fisheries Bill. The Fisheries and Wildlife Division will capture adult fish that will be strip spawned, and an estimated 500,000 young of which will be chemically marked and released into the Anacostia River. Completion Date: September 2018.</p>	<p>Complete</p>	<p>All American shad monitoring and restoration work for FY18 has been completed. DOEE was able to perform all scheduled push-net surveys to evaluate spawning success and determine an annual Juvenile index. There was no chemical marking this year so otolith (each of three small oval calcareous bodies in the inner ear of vertebrates, involved in sensing gravity and movement) extraction and analysis was not performed.</p>	
<p>Expand and enhance educational programming and outreach activities for the Aquatic Resources Education Center</p>	<p>In FY18, DOEE will sponsor and host community fishing events, most notably the Family and Youth Casting Call and the routine fishing clinics associated with aquatic resources education. In addition, DOEE will institute a new District-wide community arts program targeting</p>	<p>Complete</p>	<p>The Anacostia River Family Fishing Days new pilot program, grew each month, attracting veterans and their families, community members from the Anacostia, youth clubs and several cub scout troops. This program will be presented at a national conference in Oct and DOEE will co-lead an educational session on Veteran Programs. DOEE outreach helped contribute to the number of schools served through our field trip program (58 schools, 2580 students/ teachers),</p>	

Title	Description	Complete to Date	Status Update	Explanation
	youth and adults that focuses on the District's living aquatic resources. Completion Date: September 2018.		number of camps in our summer program (25), number of community events (20). Two courses were offered, and 32 educators received either Aquatic WILD and/or Growing Up WILD Environmental Education certification. Over 600 people participated in our angling programs; 900 people visited the AREC.	
Sustainability (5 Strategic initiatives)				
Update the District's Sustainable DC Plan: Sustainable DC 2.0	In FY18, DOEE will develop an updated draft Sustainable DC 2.0 plan for public comment. The process will involve robust community outreach and engagement, including, soliciting feedback via surveys, focus groups, community meetings, topic-specific working groups, input from businesses, and meetings with sister-agencies. DOEE will complete Sustainable DC 2.0 in FY19. Completion Date: September 2019.	Complete	DOEE released the draft Sustainable DC 2.0 plan for a 30-day public comment period on August 30. This draft incorporated feedback received from the release of the SDC 2.0 Outline. DOEE used several platforms to solicit feedback on the draft plan, including two online platforms, CiviComment and MindMixer, as well as hosted four office hours across the city for residents to share their thoughts. DOEE is on track to release the final SDC 2.0 plan in December 2018.	
Grow material management initiatives around textiles, paint, and electronics, and strengthen sustainable procurement and events guidance	In FY18, DOEE's electronics Extended Producer Responsibility (EPR) program, eCycle DC, will add implementation of the Electronics Disposal Ban (effective January 1, 2018). DOEE will align enforcement efforts with the Department of Public Works (DPW) Solid Waste Education and Enforcement Program (SWEEPS). DOEE will work with PaintCare to expand the number of	Complete	The Share a Bag NOMA pilot has been successful and partners have continued to host the kiosks. The Interagency Waste Reduction Working Group held their quarterly meeting with stakeholders. eCycle DC ensured that manufacturers who were required to submit a registration form were in compliance. DOEE continued the process of invoicing manufacturers for 2018 fees and continued to respond to manufacturer inquiries. Also, Rethread DC, the District's textile and reuse initiative, sponsored the District's first Sustainable Fashion Summit.	

Title	Description	Complete to Date	Status Update	Explanation
	<p>permanent paint drop-off locations in the District and increase local reuse of collected paint. DOEE will research which new product categories should be considered in expanding the District's EPR programs (e.g., pharmaceuticals, mattresses, etc.). DOEE will roll out a textile waste diversion initiative that will include a partnership with DC based non-profits to encourage the donation of unwanted textiles to local organizations whose social mission benefits the residents of the District. DOEE will develop a broad outreach and education strategy to reduce waste produced at local events. The strategy, including a "Path to Zero Waste" event guide, will provide resources, tips and summaries of local waste laws to support local event planners and residents. DOEE will partner with the Office of Contracting and Procurement (OCP) in the development of an updated Sustainable Purchasing Program website. DOEE will also support OCP's incorporation of Environmentally Preferable Purchasing (EPP) training into OCP's regular course offerings. Completion Date: September 2018.</p>			
		Complete		

Title	Description	Complete to Date	Status Update	Explanation
Develop a strategy for agency-led inclusive engagement	In FY18, DOEE will utilize the Partners for Places grant and framework with Sustainability as a lens to measure the qualitative impact of the Sustainable DC plan and relating initiatives in communities within the District (specifically Ward 7 and communities within Watts Branch). This effort will assess or seek to understand the culture of the implementing institution (DOEE), programs and initiatives and their impact or relation to the intended communities, modes of communication and the impact of intended communities, and the supports from the implementing institution (DOEE) that would assist all communities to address and overcome inherent barriers. Completion Date: September 2018.		The Partners for Places (P4P) project evolved into an opportunity to pilot equitable processes in DOEE's work. The final outcome for the P4P work is a Community Engagement Guide that defines an equitable planning process, which offers best management practices. The lessons learned from the P4P project are being applied to the discovery area for Resilient DC, DOEE's role in the 100 Renewable and Equitable Cities Project, and the update of the Sustainable DC 2.0 Plan.	
Research, test, and implement innovative policies and programs within the areas of green building, energy efficiency, and renewable energy.	In FY18, DOEE will continue to provide thought leadership, policy development and implementation assistance for green and high performance buildings. One means of achieving this end is research on new techniques in green building and the broader built environment, such as living shorelines, through the Green Building Fund Grant Program. Projects and	Complete	DOEE worked with a grantee to create a housing resilience assessment tool and deploy it to 20 properties across the District; the grant was extended for an additional 12 months to continue refining and deploying the tool. DOEE completed another grant project to create resources for net-zero energy buildings and held a workshop with 150+ attendees. DOEE also worked with DCRA to finalize the proposed building energy codes, which were released for public comment at the end Q4.	

Title	Description	Complete to Date	Status Update	Explanation
	<p>research for future projects will include evaluation of solar + storage projects for public buildings, thermal mapping for detailed assessment of urban heat island effect, and development of technical bulletins. Completion Date: September 2018.</p>			
<p>Advance Climate Resilience & Action</p>	<p>In FY18, DOEE will continue to implement Climate Ready DC through coordination with District agencies and community partners. Specific initiatives to implement Climate Ready DC will include the development of a draft strategic implementation plan and draft design guidelines for climate resilient infrastructure and facilities and a grant that DOEE will issue to develop and implement a resilience audit tool to assess the vulnerability of public and affordable housing and identify upgrades include solar and energy storage. In order to ensure that the implementation of Climate Ready DC advances the District's equity goals, DOEE will utilize a grant from the Partners for Places initiative to create an Equity Advisory Group to guide the implementation of Climate Ready DC in the neighborhoods along Watts Branch,</p>	<p>Complete</p>	<p>DOEE wrapped up projects including thermal mapping, leading the Climate Action Discovery Area for Resilient DC, and engaging the Equity Advisory Group. DOEE also held a stakeholder workshop to inform the implementation of Climate Ready DC and completed a benchmarking assessment and funding and financing compendium. DOEE led the District's participation in the Global Climate Action Summit, where DC joined leading cities in making new commitments to climate action.</p>	

Title	Description	Complete to Date	Status Update	Explanation
	<p>working in partnership with the DC Silver Jackets and US Army Corps of Engineers on a related project to study flood risks in the area. DOEE will also continue to work with other agencies to incorporate climate resilience into relevant plans including the Comprehensive Plan, the All Hazard Mitigation Plan, and the 100 Resilient Cities Resilience Strategy. In order to realize the goals established in Mayor Bowser's executive order to honor the Paris Climate Accord, DOEE will continue to work on cutting edge energy efficiency, renewable and district energy, and microgrid solutions, update the District's greenhouse gas emissions inventory, and learn about and share best practices with international organizations. Specifically, DOEE will lead the District's participation in the C40 Climate Leadership Group, Climate Mayors, and other networks. Completion Date: September 2018.</p>			