

Department of Energy and Environment FY2017

Agency Department of Energy and Environment

Agency Code KGO

Fiscal Year 2017

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.

2017 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	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.**

2017 Key Performance Indicators

Measure	New Measure/ Benchmark Year	Frequency of Reporting	Add Data Fields (if applicable)	FY 2014 Actual	FY 2015 Target	FY 2015 Actual	FY 2016 Target	FY 2016 Actual	FY 2017 Target
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	<input type="checkbox"/>	Quarterly		Not available	175000	135275	200000	249991	225000
Percentage of District land retrofitted with green infrastructure that prevents stormwater runoff from becoming pollution	<input checked="" type="checkbox"/>	Quarterly		Not available	Not available	Not available	Not available	New Measure	2.2%
Number of trees planted by DOEE to help the District meet its 40 percent tree canopy goal by 2032	<input type="checkbox"/>	Quarterly		10516	2875	1709	2050	1630	2050
2 - Protect the public health of all District residents by improving the environment in areas related to air, soil, and indoor pollution (5 Measures)									
Percentage 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	<input type="checkbox"/>	Quarterly		Not available	100%	83%	100%	88.24%	100%
Percentage 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	<input checked="" type="checkbox"/>	Annually		Not available	Not available	1.3%	1.2%	New Measure	1.1%
Number of days in which ozone levels exceed the National Ambient Air Quality Standards	<input type="checkbox"/>	Quarterly		Not available	12	3	12	5	12

Human Resources- Employee Onboard Time	✓			Forthcoming October 2017	Forthcoming October 2017	Forthcoming October 2017	Forthcoming October 2017	Forthcoming October 2017	Forthcoming October 2017
Performance Management- Employee Performance Plan Completion	✓			Forthcoming October 2017	Forthcoming October 2017	Forthcoming October 2017	Forthcoming October 2017	Forthcoming October 2017	Forthcoming October 2017

2017 Operations

Operations Header	Operations Title	Operations Description	Type of Operations
1 - Conserve the natural environment and wildlife of the District, and restore and protect aquatic resources from pollution and degradation (1 Activity)			
Natural Resources Services	Natural resources services performed by agency	The DOEE Natural Resources Administration oversees fisheries and wildlife, water quality, watershed protection, and stormwater management in the District. It provides certification, review, and technical services to businesses, Federal and District government agencies, and District residents through licensing, inspections, monitoring, permitting, and technical assistance. It also provides natural resources education and outreach and demonstrates new technologies to protect natural resources.	Daily Service
2 - Protect the public health of all District residents by improving the environment in areas related to air, soil, and indoor pollution (1 Activity)			
Environmental 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
3 - Reduce the energy burden on the District's most vulnerable and low income populations, reduce overall energy consumption, and increase the use of renewable energy generated in the District, and enhance reliability, resiliency and environmental performance of energy systems in the District. (1 Activity)			
Energy services	Energy services provided by agency	The DOEE Energy Administration provides advice and recommendations to the Mayor on current or impending energy related problems, and serves as the lead entity to develop and implement a comprehensive long-range District energy plan to achieve maximum effective management and use of present and future sources of energy. It administers energy efficiency and renewable energy programs that help District residents use less energy and generate on-site clean energy, and provides direct financial assistance and discounts to low-income residents to help off-set their energy bills.	Daily Service
4 - Increase engagement with District residents, 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)			
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
5 - Administer efficient and effective environmental enforcement operations, strategies, and outreach that bring polluters into compliance with the District's environmental laws (1 Activity)			
Enforcement	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

2017 Workload Measures

Measure	New Measure/ Benchmark Year	Add Historical and Target Data (FY17)	Numerator Title	Units	Frequency of Reporting	FY 2014	FY 2015	FY 2016 Actual
1 - Natural resources services performed by agency (11 Measures)								
Number of requests to respond to potential spills, releases, and other potential environmental emergencies	<input type="checkbox"/>		Number of requests to respond to potential spills, releases, and other potential environmental emergencies	Number of requests received	Quarterly	23	15	172
Number of RiverSmart Homes audits performed	<input type="checkbox"/>		Number of RiverSmart Homes audits performed	Number of RiverSmart Homes audits performed	Quarterly	1117	1071	1032

Number of rain gardens installed by RiverSmart Homes	<input type="checkbox"/>		Number of rain gardens installed by RiverSmart Homes	Number of rain gardens installed by RiverSmart Homes	Quarterly	Not available	Not available	66
Number of installations for RiverSmart Communities Program	<input type="checkbox"/>		Number of installations for RiverSmart Communities Program	Number of installations for RiverSmart Communities Program	Quarterly	5	8	12
Number of stormwater management and erosion/sediment control inspections	<input type="checkbox"/>		Number of stormwater management and erosion/sediment control inspections	Number of stormwater management and erosion/sediment control inspections	Quarterly	7200	6932	5594
Number of Bag Law inspections	<input type="checkbox"/>		Number of Bag Law inspections	Number of Bag Law inspections	Quarterly	567	552	570
Number of coal tar inspections	<input type="checkbox"/>		Number of coal tar inspections	Number of coal tar inspections	Quarterly	184	83	59
Number of Foam Ban inspections	<input checked="" type="checkbox"/>		Number of Foam Ban inspections	Number of Foam Ban inspections	Quarterly	Not available	Not available	New Measure
Number of MS4 outfalls inspected	<input type="checkbox"/>		Number of MS4 outfalls inspected	Number of MS4 outfalls inspected	Quarterly	127	172	192
Number of MS4 facilities inspected	<input type="checkbox"/>		Number of MS4 facilities inspected	Number of MS4 facilities inspected	Quarterly	153	133	124
Number of Aquatic Resources Education Center visitors	<input type="checkbox"/>		Number of Aquatic Resources Education Center visitors	Number of Aquatic Resources Education Center visitors	Quarterly	3886	3653	2135
2 - Environmental health services performed by agency (8 Measures)								
Number of contaminated site clean-ups under regulatory oversight in the District	<input type="checkbox"/>		Number of contaminated site clean-ups under regulatory oversight in the District	Number of contaminated site clean-ups under regulatory oversight in the District	Quarterly	6	159	163
Number of open leaking UST remediation sites under regulatory oversight	<input type="checkbox"/>		Number of open leaking UST remediation sites under regulatory oversight	Number of open leaking UST remediation sites under regulatory oversight	Quarterly	459	440	420
Number of Brownfield assessments completed	<input type="checkbox"/>		Number of Brownfield assessments completed	Number of Brownfield assessments completed	Quarterly	6	25	0
Number of full-compliance evaluations of Title V facilities	<input type="checkbox"/>		Number of full-compliance evaluations of Title V facilities	Number of full-compliance evaluations of Title V facilities	Quarterly	12	19	19
Number of asbestos inspections conducted	<input type="checkbox"/>		Number of asbestos inspections conducted	Number of asbestos inspections conducted	Quarterly	94	101	200
Number of Significant Operational Compliance inspections of underground storage tanks conducted	<input type="checkbox"/>		Number of Significant Operational Compliance inspections of underground storage tanks conducted	Number of Significant Operational Compliance inspections of underground storage tanks conducted	Quarterly	44	69	80
Number of pesticide marketplace inspections conducted	<input type="checkbox"/>		Number of pesticide marketplace inspections conducted	Number of pesticide marketplace inspections conducted	Quarterly	45	56	67
Number of hazardous waste inspections conducted	<input type="checkbox"/>		Number of hazardous waste inspections conducted	Number of hazardous waste inspections conducted	Quarterly	12	48	55
3 - Energy services provided by agency (2 Measures)								
Number of buildings reporting ENERGY STAR benchmarking data to DOEE	<input type="checkbox"/>		Number of buildings reporting ENERGY STAR benchmarking data to DOEE	Number of buildings reporting ENERGY STAR benchmarking data to DOEE	Annually	1438	1418	1580
Number of households receiving energy assistance	<input type="checkbox"/>		Number of households receiving energy assistance	Number of households receiving energy assistance	Quarterly	18110	21096	23820
4 - Sustainability and engagement activities performed by the agency (3 Measures)								
Number of businesses and institutions participating in sustainability pledges or challenges	<input type="checkbox"/>		Number of businesses and institutions participating in sustainability pledges or challenges	Number of businesses and institutions participating in sustainability pledges or challenges	Quarterly	203	614	290

Number of social media posts and electronic communications containing environmental and sustainability engagement messaging	<input type="checkbox"/>		Number of social media posts and electronic communications containing environmental and sustainability engagement messaging	Number of social media posts and electronic communications containing environmental and sustainability engagement messaging	Quarterly	Not available	Not available	2037
Number of school visits, community meetings, and events where environmental and sustainability programs, activities, and initiatives are promoted	<input type="checkbox"/>		Number of school visits, community meetings, and events where environmental and sustainability programs, activities, and initiatives are promoted	Number of school visits, community meetings, and events where environmental and sustainability programs, activities, and initiatives are promoted	Quarterly	Not available	Not available	87
5 - Enforcement services performed by the agency (2 Measures)								
Amount collected from fines and penalties	<input type="checkbox"/>		Amount collected from fines and penalties	Amount collected from fines and penalties	Quarterly	110255	224553	\$178274
Number of Notices of Infraction processed	<input type="checkbox"/>		Number of Notices of Infraction processed	Number of Notices of Infraction processed	Quarterly	132	274	474

2017 Strategic Initiatives

Strategic Initiative Title	Strategic Initiative Description	Proposed Completion Date
Energy services (5 Strategic initiative-operation links)		
Increase enrollment in Utility Discount Programs (UDP) and provide energy efficiency and renewable energy incentives to help reduce the energy costs of low-income households	In FY 17, DOEE aims to increase enrollment in the UDP by processing applications during the LIHEAP energy benefit intake appointment time to ensure that qualifying residents receive their LIHEAP and UDP benefits simultaneously. DOEE will promote the ability to apply for energy assistance and UDP through the online portal, and will utilize the energy assistance processing software to increase the timeliness of processing applications received through the UDP recertification process. DOEE will build upon collaborative efforts with the DCSEU to strategically target low income households that are high energy users and LIHEAP energy benefit assistance recipients, to provide deep energy efficiency, weatherization improvements, and solar systems. DOEE will use data analyzed in FY16 to target households with high energy burdens and improve data and software systems to further streamline the processes for each program.	09-30-2017
Modify the District's Benchmarking Reporting Template and utilize building energy benchmarking data to develop next-generation energy performance policies and drive deeper energy savings	In FY 17, DOEE plans to modify the District's Benchmarking Reporting Template to facilitate the transfer of monthly energy consumption data from EPA's Energy Star Portfolio Manager Tool. Collecting energy consumption data on a more granular level will allow DOEE and the DCSEU to better understand the consumption patterns of the District's largest energy users, and design programs that result in larger energy savings. DOEE will work with the Public Service Commission and the electric utility company to provide the DCSEU real-time access to utility consumption data for buildings that are required to submit an annual benchmarking report. DOEE will work with the DCSEU to put the benchmarking data to work by developing a suite of energy performance tools and policies for public and private buildings, rooted in analysis of benchmarking data and the recommendations from the Comprehensive Energy Plan. DOEE will also continue to make it easier for District residents and businesses to access benchmarking data via public-facing District Benchmarking Visualization Map that will provide specifics about each building that has submitted an annual benchmarking report.	09-30-2017
Expand opportunities to make solar power more accessible and affordable to District residents and businesses	In FY 17, DOEE will invest a substantial portion of the Renewable Energy Development Fund (REDF) to increase opportunities for community solar and on-site installations of solar and thermal systems. DOEE will implement a multiyear, multifaceted "Solar for All Program" to help small businesses, non-profits, seniors, and income-eligible households install and use more renewable energy. DOEE will collaborate with DGS and community solar developers to build solar systems on high potential and easily accessible District-owned buildings and facilities. DOEE will partner with the DCSEU and local financial institutions to expand solar financing options and reduce investment risks for solar contractors. DOEE will also develop a centralized online solar platform to provide information for customers to learn about solar programs, incentives, financing options, and to accelerate the adoption of solar and thermal systems.	09-30-2017
Conduct feasibility studies and develop proposals for decarbonizing the District's energy system, with a focus on alternative sources for thermal comfort, efficient energy systems, and decarbonizing electricity from all segments of the electric system: consumption, distribution, transmission, and generation	In FY 17, DOEE will conduct studies and develop proposals that include: 1) the feasibility of community choice aggregation for Standard Offer Service customers using long-term power purchase agreements maximizing renewable energy; 2) methods of renewable or low-carbon (waste heat) heating and cooling, including river cooling, geo-exchange, and biogas fuel-cell CHP; 3) feasibility of designing district energy systems including microgrids - a planning and evaluation tool for distributed energy resources; and 4) methods for reducing peak demand, including the use of battery storage as a demand response tool, to produce power during peak periods and reduce the cost of electricity, as well as other cost-effective demand response measures.	09-30-2017

<p>Lead the work on modernizing the District's energy delivery system through the Public Service Commission's Formal Case 1130 by developing a roadmap, identifying operational, planning, and policy issues, helping to develop tools and analysis that can solve those issues, and proposing and engaging in pilot projects to demonstrate key concepts and technologies.</p>	<p>Formal Case 1130 aims to realize an energy system that balances the priorities of sustainability, reliability, resiliency, efficiency, and affordability in the District. In FY 17, DOEE will continue to lead discussions and working groups representing the District Government in the collaborative stakeholder process, and will develop key pilot projects, concept studies, and analytical tools that will inform policy and regulatory issues. DOEE will participate in the overall infrastructure planning of the electric and natural gas distribution systems, including the strategic deployment of distributed energy resources like microgrids, and providing substantive input to ensure that the District's ratepayers realize the maximum possible benefit from utility investments and commercially available technologies. DOEE will continue to intervene in proceedings that will impact the modernization of the District's energy delivery systems to ensure that rate designs, incentives, and utility business-models promote sustainable and cost-effective solutions.</p>	<p>09-30-2017</p>
<p>Enforcement (2 Strategic initiative-operation links)</p>		
<p>Establish and maintain regulations that protect and improve the environment for District residents, specifically in the areas of natural resources, environmental services, energy, and sustainability</p>	<p>This initiative is continuing into FY 17, as DOEE is required to regularly update and improve the portions of the Municipal Code of Regulations under its regulatory authority to protect public health and the environment. The Department also develops new regulations when required by newly enacted laws, and develops regulations to enact new programs. By the end of FY 17 the Department expects to promulgate final versions of regulations to: update air quality permitting regulations, set standards around wetland management, wildlife protection, and energy efficiency.</p>	<p>09-30-2017</p>
<p>Develop and implement an environmental cost recovery program</p>	<p>In FY 17, DOEE will expand use of its authority to recover the money spent by the government to respond to pollution incidents. When a person or company is responsible for dumping, spilling, or other release of toxic substances, DOEE can require the polluter to undertake or pay for the cleanup. Under District laws, DOEE can seek reimbursement for the costs the District incurs in assessing the nature and extent of the threat, addressing the problem, and taking any necessary enforcement action. In FY 17, DOEE will develop and begin implementation of a program to help ensure that those who are responsible for pollution reimburse the District for its costs in responding to and monitoring cleanup operations.</p>	<p>09-30-2017</p>
<p>Environmental Services (5 Strategic initiative-operation links)</p>		
<p>Complete Remedial Investigation (RI) of the Anacostia River and Washington Channel</p>	<p>In FY 17, DOEE will complete the RI of the Anacostia River and Washington Channel and will complete a second round of sampling to fill data gaps that were discovered in FY 15-16. DOEE will also perform work on tributaries that feed the Anacostia River and outfalls that directly impact both the river and the Washington Channel. The final RI report and draft Feasibility Study will be released in FY 17.</p>	<p>09-30-2017</p>
<p>Enhanced inspection of minor air pollution sources in the District</p>	<p>There are many minor sources of air pollution in the District, that when combined, account for approximately one-third of ozone formation emissions. Ensuring that these sources comply with applicable laws could measurably reduce air pollution in the District. In FY 16 (year one of this two-year initiative), DOEE expanded minor source inspections, with focus on permitted emergency generators and auto painting operations. In FY 17, DOEE will expand the monitoring of minor sources, starting with the development of written procedures for minor source inspections. Lists of minor sources will be verified for quality control. Further, inspection checklists will be developed and newly purchased iPads will be used to allow more efficient inspection and documentation of the inspections. These activities will increase the quantity and quality of inspections performed.</p>	<p>09-30-2017</p>
<p>Revise the Voluntary Remediation Action Program (VRAP) to facilitate cleanup of more petroleum contaminated properties during redevelopment at leaking underground storage tank (LUST) sites</p>	<p>In FY 17, DOEE will develop new VRAP regulatory requirements and standard operating procedures, and evaluate the implementation of an application fee. The Department will also aim to increase participation in the program by streamlining the application and approval process.</p>	<p>09-30-2017</p>
<p>Engage the public through outreach and compliance assistance focused on educating tenants and residential rental property owners and property managers about District requirements pertaining to tenant rights under the District's Lead-Hazard Prevention and Elimination Act ("the Act")</p>	<p>Under the Act, residential rental property owners and managers have certain duties that they owe both current and prospective new tenants of housing built prior to 1978. These include owner/manager responsibilities pertaining to (1) maintaining paint in good condition, (2) adhering to the District's lead disclosure requirements and those related to the distribution of the District's Tenant Rights form, (3) complying with the District's lead-related rental unit turnover and tenant relocation requirements, and (4) complying with requirements related to owners/managers seeking access to homes to conduct lead-related activities. In FY 17, DOEE will engage in committed partnerships with sister agencies that include 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.</p>	<p>09-30-2018</p>
<p>Implement Integrated Pest Management (IPM) program and new pesticides database.</p>	<p>In FY 17, DOEE will implement a mandatory IPM program aimed at preventing possible accidental exposure of pesticides to children at daycare facilities and schools. A District-wide outreach effort will be conducted to inform the public about the District's revised pesticides regulations. Additionally, DOEE will employ the new pesticides database to track pesticide usage data, pesticide product registrations, and information on the certification and training of pesticide operators and applicators in the District.</p>	<p>09-30-2017</p>
<p>Natural Resources Services (7 Strategic initiative-operation links)</p>		

Conduct a floodplain study of Oxon Run	DOEE has initiated multi-jurisdictional coordination between the District and Prince George's County, which resulted in an agreement to restore Oxon Run, a tributary of the Potomac River. In FY 17, DOEE will work with the US Army Corps of Engineers to complete a floodplain study along Oxon Run that will provide comprehensive flood modeling and mapping in support of the restoration project. Oxon Run will be the largest stream restoration undertaken by the District and will result in numerous environmental benefits, including potential flood mitigation for existing properties located within a high-risk flood zone.	09-30-2017
Coordinate and track Canopy 3,000 tree planting and initiate the Urban Forestry Advisory Committee	In FY 16, Mayor Bowser kicked off Canopy 3,000, an initiative to plant 3,000 more trees, increasing the District's annual planting goal to 15,000 trees. In FY 17, DOEE will work with its grantees and coordinate with other local and federal agencies to achieve this goal. In FY17, DOEE and DDOT will also launch the Urban Forestry Advisory Committee, which will facilitate coordination and communication across the District on tree canopy policy, research, and best practices to work toward achieving 40 percent tree canopy by 2032.	09-30-2017
Complete the design and permitting of the Spring Valley stream and park restoration project	In FY 16, the Council of the District of Columbia tasked DOEE with contracting and oversight of the design, permitting, and construction of the Spring Valley stream and park restoration. In FY 17, DOEE will oversee the design and permitting of the project in coordination with the Department of General Services and the Department of Parks and Recreation.	09-30-2018
Conduct a District-wide Microbial Source Tracking study to identify sources of bacteria in District waters	In FY 17, DOEE will begin a District-wide Microbial Source Tracking Study. Ambient monitoring and other sampling and analysis programs have detected elevated levels of bacteria in District Waters, including E. coli. This study will determine whether the bacteria concentrations detected in District Waters are of human origin or naturally occurring. In FY17, DOEE will compile background literature and historical data and hire a contractor to draft the study work plan and begin to implement the initial phases.	09-30-2017
Implement the Stormwater Retention Credit Purchase Agreement Program	The Stormwater Retention Credit (SRC) trading program is the first of its kind in the nation and allows properties that voluntarily install green infrastructure to generate and sell SRCs in an open market. In FY 16, DOEE awarded a grant to a nonprofit organization that will assist with the administration of an SRC Purchase Agreement Program to jumpstart the SRC market and leverage greater private investment in green infrastructure. In FY 17, DOEE and its grantee will implement this program, which gives property owners and others who voluntarily install runoff-reducing green infrastructure the option to sell SRCs from these projects to the District.	09-30-2017
Implement a meadow restoration program in partnership with sister agencies	. In FY 17, DOEE will work with the Department of Public Works, the Department of Parks and Recreation, and the Department of General Services to identify green spaces in the District that are suitable to be converted from mowed areas to meadow habitats. DOEE will prepare these sites for planting by using chemical free methods. DOEE will then plant native seed mixes most suited to the District.	09-30-2017
Restore boating access to Fletcher's Cove	In FY 17, DOEE will work the National Park Service, Guest Services, Inc., and the Friends of Fletcher's Cove to dredge Fletcher's Cove in an effort to restore non-motorized boating access to the Potomac River. DOEE will use a combination of federal aid and private funding to pay for the removal of decades of sediment deposits.	09-30-2017
Sustainability (6 Strategic initiative-operation links)		
Enhancing the Green Economy	In FY 17, DOEE will take steps to improve the green economy by enhancing the District's Green Zone Environmental Program (GZEP), which incorporates a job training solar installation program for 18-24 year olds. DOEE will also support this effort by hiring the second cohort of Green Fellows—highly competitive paid opportunities for graduate students attending DC-based higher education institutions. In FY 17, DOEE will hire 5 new Green Fellows, as well as a Green Doctoral Fellow who will analyze the District's Low Income Energy Assistance Program (LIHEAP). In addition, DOEE will establish a pilot to train young adults to inspect and maintain green infrastructure. Finally, DOEE will help implement the Renewable Portfolio Standard Amendment Act of 2016, which provides the District with the ability to create approximately 100 green jobs in the first year.	09-30-2017
Redesign and launch sustainability partnerships with strategic District sectors to support the Sustainable DC Plan	Based on input from former participants and best practices from around the country, DOEE will redesign partnerships in FY 17 with at least three of the following sectors in the District: private sector businesses and non-profit organizations, universities, embassies, and health care providers. Partnerships will build capacity in each sector through trainings, research, connecting participants to financial incentives, and sharing best practices in sustainability. This initiative will support the District's sustainability plan, Sustainable DC, and cover topics such as energy and water consumption reduction, sustainable materials management, stormwater management, sustainable procurement, and sustainable landscaping.	09-30-2017
Launch paint and electronics product stewardship programs	In FY 17, DOEE will implement two key Extended Producer Responsibility (EPR) programs created to insure product stewardship. The Paint Stewardship Program, managed in partnership with PaintCare, provides drop-off sites for District residents to bring excess paint for reuse or proper disposal. The second program, eCycle DC, is the District's electronics stewardship program, which will allow District residents to properly dispose of televisions, computers, and related equipment. DOEE will monitor program participation and the level of service provided to ensure a high quality program that meets statutory requirements. DOEE will also help increase the effectiveness of the District's sustainable purchasing program by proposing expanded product categories and by assisting the Office of Contracting and Procurement in delivering trainings to staff with purchasing authority throughout city government.	09-30-2017
Build staff capacity in diversity and equity to better serve District residents	In order to better serve all residents of the District of Columbia, DOEE will design and deliver staff trainings and conversations on human diversity and social equity. These trainings will build off an existing pilot for a small number of staff, but will be expanded in FY 17. Increasing staff awareness in these two critical areas can, in turn, improve the reach and effectiveness of DOEE programming, improve community relationships, and build trust with constituents.	09-30-2017

<p>Research and test new, innovative policies and programs within green building, energy efficiency, and renewable energy in order to advance the commitment for sustainable development for all projects and provide greener, healthier and more efficient buildings for businesses and residents</p>	<p>In FY 17, DOEE will research and test new techniques in green building through the innovative Green Building Fund Grant Program, collaborate with other leading cities to advance best practices, and run innovative pilot programs. Research and programs anticipated for FY 17 will include creation of green finance mechanisms, such as a green bank, technical support for microgrid deployments, deep sustainability planning for the District's large scale development projects, and the creation of historic building sustainability guidelines. DOEE will also work with private developers to incorporate higher commitments to sustainability, push for construction of net zero energy and Living Building Challenge projects, and work to deploy district- and neighborhood-level green building strategies. DOEE will continue work to create greener affordable housing with sister agencies DHCD and DCHA, and will finalize the plan for, and begin implementation of, a first-ever green building program for single family homes in the District. Finally, DOEE staff will work with DCRA to update the new DC Energy Conservation and Green Construction Codes, including conducting broad community outreach.</p>	<p>09-30-2017</p>
<p>Advance climate change mitigation and adaptation</p>	<p>In FY 17, DOEE will begin implementation of the citywide climate adaptation plan, Climate Ready DC, which assesses the vulnerability of and provides strategy and policy recommendations for the District to adapt to climate-related threats. DOEE will coordinate with other District agencies and the newly formed 100 Resilient Cities effort to explore new programs to advance resilience in the city. DOEE will also work with other agencies to incorporate resilience strategies into relevant District policies and plans, including the District's Comprehensive Plan, construction codes, and capital improvement plans. In order to advance climate change mitigation, DOEE will 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.</p>	<p>09-30-2017</p>

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