

Department of Energy and Environment FY2016

Agency Department of Energy and Environment

Mission The mission of the Department of Energy and Environment (DOEE) is to improve the quality of life for the residents and natural inhabitants of the 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.

2016 Objectives

FY16 Objectives

Objective Number	Objective Description
Energy Administration/DOEE (3 Objectives)	
1	Reduce the energy burden on the District's most vulnerable and low income populations
2	Reduce overall energy consumption and increase the use of renewable energy generated in the District
3	Enhance reliability, resiliency and environmental performance of energy systems in the District
Environmental Services Administration/DOEE (3 Objectives)	
1	Transform District residential housing into homes that do not contain environmental health hazards
2	Improve the design, implementation, and enforcement of emission control programs to reduce air pollution
3	Return District lands to productive use by effectively managing brownfields and underground storage tanks
Natural Resources Administration/DOEE (4 Objectives)	
1	Promote the installation of green infrastructure practices, such as rain barrels, rain gardens, and green roofs on public and private lands to help control stormwater runoff and make the District more environmentally sustainable
2	Improve regulatory compliance through increased enforcement and more efficient customer service
3	Monitor the health of the District's natural resources
4	Encourage the public to protect natural resources through education and outreach
Office of Community Relations (1 Objective)	
1	Educate District residents, businesses, institutions and government through targeted public education campaigns to encourage environmentally-friendly and energy efficient practices
Office of Enforcement/DOEE (1 Objective)	
1	Increase enforcement quality and activities in order to bring polluters into compliance with the District's environmental laws
Office of the Director/DOEE (4 Objectives)	

1	Oversee the implementation of agency-wide priorities
2	Increase transparency of grant programs
3	Establish and continuously maintain regulations that protect and improve the environment for District residents
4	Promote green business and job development
Urban Sustainability Administration/DOEE (2 Objectives)	
1	Increase the understanding and adoption of innovative sustainability practices, including climate change adaptation, within DOEE, the District Government, and the community
2	Continue to implement the Sustainable DC Plan (Sustainable DC Plan Governance Actions 1.1 and 1.2, Equity and Diversity 2.2, Climate and Environment Action 1.1, and Water Actions 1.2 and 1.3)

2016 Key Performance Indicators

Measure	Division	Frequency of Reporting	FY 2013	FY 2014	FY 2015	FY 2015 Target	FY 2016 Target
1 - Educate District residents, businesses, institutions and government through targeted public education campaigns to encourage environmentally-friendly and energy efficient practices (2 Measures)							
Number of school visits, community-related meetings/events that promote DOEE program and activities		Quarterly					104
Number of online-related posts (including press releases, tweets, Facebook posts)		Quarterly					664
1 - Increase enforcement quality and activities in order to bring polluters into compliance with the District's environmental laws (3 Measures)							
Amount collected from fines and penalties		Monthly	186,449	110,255	224,553.4	187,250	190000
Compliance rate of enforcement actions processed		Quarterly	80	73	50	90	55
Number of Notices of Infraction processed		Quarterly	160	132	274	177	180
1 - Increase the understanding and adoption of innovative sustainability practices, including climate change adaptation, within DOEE, the District Government, and the community (3 Measures)							
Number of businesses and institutions participating in sustainability pledges or challenges		Quarterly	213	203	614	300	400
Number of LEED certified projects in the District		Quarterly	424	489	572	550	600

Greenhouse gas emissions reductions from the 2006 baseline year to meet 2050 goal	Annually	15					17.5
1 - Promote the installation of green infrastructure practices, such as rain barrels, rain gardens, and green roofs on public and private lands to help control stormwater runoff and make the District more environmentally sustainable (7 Measures)							
Number of participants in RiverSmart Homes Program	Quarterly	1,010	1,117	1,071	1,300		1300
Number of rain gardens installed on private land	Quarterly		348	714	900		125
Square footage of green roofs installed	Quarterly	199,440	148,818	135,275	175,000		200000
Number of trees planted through third-party agreements	Quarterly		10,516	1,709	2,875		2050
Number of installations for RiverSmart Communities Program	Quarterly	5	5	8	6		8
Number of acres of District landscape retrofitted with green infrastructure to be able to naturally filter or capture rainwater for reuse	Quarterly	82	159	207	20		50
Average cost incurred per RiverSmart Home Audit	Quarterly						422.35
1 - Reduce the energy burden on the District's most vulnerable and low income populations (2 Measures)							
Number of low-income units weatherized	Quarterly	504	190	398	220		220
Average cost per household to provide energy assistance	Quarterly						620.2
1 - Transform District residential housing into homes that do not contain environmental health hazards (3 Measures)							
Percentage of elevated blood level cases and other properties with identified hazards that are issued an Order to Eliminate Lead-Based Paint Hazards within 21 days of the property's risk assessment	Quarterly	95	95	83	100		100
Percentage of children under 36 months of age that are being screened for lead poisoning	Annually	50	47	45	65		68

Number of pesticide marketplace inspections		Quarterly	62	65	56	50	50
2 - Continue to implement the Sustainable DC Plan (Sustainable DC Plan Governance Actions 1.1 and 1.2, Equity and Diversity 2.2, Climate and Environment Action 1.1, and Water Actions 1.2 and 1.3) (1 Measure)							
Percentage of actions in the Sustainable DC Plan completed or under way		Quarterly	46	62	69	65	70
2 - Improve regulatory compliance through increased enforcement and more efficient customer service (7 Measures)							
Percentage of stormwater management plans approved that contain a low impact design component		Quarterly	50	68	78	70	80
Number of inspections for stormwater management erosion/sediment control		Quarterly	8,447	7,200	6,932	9,000	9500
Percentage of drainage complaints responded to within 2 business days		Quarterly	100	89	67	100	100
Percentage of illicit discharge complaints investigated within 5 business days		Quarterly	97	100	100	100	100
Number of Bag Law inspections		Quarterly	587	567	552	550	550
Number of coal tar inspections		Quarterly					60
Number of MS4 facilities inspected		Quarterly					170
2 - Improve the design, implementation, and enforcement of emission control programs to reduce air pollution (5 Measures)							
Number of full-compliance evaluations of Title V facilities		Quarterly	18	19	19	18	20
Number of days in which ozone levels exceed the National Ambient Air Quality Standards		Quarterly		1	3	12	12
Compliance rate of gas stations and dry cleaners inspected		Quarterly	95	100	100	83	70
Number of asbestos inspections conducted		Quarterly	82	131	101	50	60

Percentage of facilities taking corrective action to mitigate air quality violations as required by an NOV or compliance order		Quarterly		100	100	100	100
2 - Increase transparency of grant programs (1 Measure)							
Percentage of scheduled monitoring reports as defined in agency monitoring plan completed for each grant award		Annually	90	99	100	100	100
2 - Reduce overall energy consumption and increase the use of renewable energy generated in the District (8 Measures)							
Increase in generation capacity resulting from solar installations		Quarterly	828.5	0	2,467	2,300	2900
Number of applications reviewed within 45 days after receipt		Quarterly			187	100	100
Number of buildings reporting ENERGY STAR benchmarking data to DOEE		Annually	968	1,438	1,418	1,600	1800
Compliance rate of Energy Benchmarking		Annually	77	64	83	85	90
Rate of expenditure of DCSEU contract		Annually	96.7	100	100	100	100
Percentage of renewable energy usage		Quarterly	11.4	12.9	13.02	13.5	14.5
Number of solar installations incentivized for renewable energy		Quarterly	194	0	151	100	100
Average cost per household to weatherize units		Quarterly					4661.22
3 - Monitor the health of the District's natural resources (1 Measure)							
Number of MS4 outfalls inspected		Quarterly	178	165	133	188	190
3 - Return District lands to productive use by effectively managing brownfields and underground storage tanks (4 Measures)							
Number of Brownfield assessments completed		Quarterly	17	6	25	8	8
Number of Significant Operational Compliance inspections of underground storage tanks completed		Quarterly	72	64	69	90	90

Compliance rate of underground storage tanks inspected	Quarterly	77	75	79	83	83
Number of hazardous waste inspections completed	Quarterly	12	46	48	45	75
4 - Encourage the public to protect natural resources through education and outreach (1 Measure)						
Number of Aquatic Resources Education Center visitors	Quarterly	4,625	3,886	3,653	3,500	4000

2016 Workload Measures

Measure	Frequency of Reporting	FY 2013	FY 2014	FY 2015
Workload Measure (16 Measures)				
Number of complaints received about presence of deteriorated paint	Quarterly	53	47	64
Number of households receiving energy assistance	Quarterly	22,726	18,110	21,544
Number of applications received for renewable energy incentives	Quarterly	920	50	248
Number of chapter 2 permit applications received	Quarterly	249	168	177
Number of air quality complaints received	Quarterly	263	300	466
Number of ambient air quality monitors operated and maintained	Quarterly	35	37	30
Number of applications received for the RiverSmart Homes program	Quarterly	1,429	1,214	1,663
Number of Environmental Impact Screening Forms received	Quarterly	58	43	44
Number of requests to respond to potential spills or releases	Quarterly	40	23	15
Number of complaints of potentially unsafe pesticide use	Quarterly	21	16	31
Number of new applications received for the Voluntary Cleanup Program (Brownfields)	Quarterly	0	0	3
Number of pesticide applicators inspected in the District	Quarterly	163	89	120
Number of active underground storage tank (UST) facilities registered in the District	Quarterly	459	455	440
Number of active hazardous waste generators registered in the District	Quarterly	869	956	1,023
Number of contaminated site clean-ups under regulatory oversight in the District	Quarterly	6	6	159
Number of open leaking UST remediation sites under regulatory oversight	Quarterly			151

2016 Initiatives

Objective Number	Objective Title	Initiative Number	Initiative Title	Initiative Description
Energy Administration/DOEE - 1 (3 Initiatives)				
1	Reduce the energy burden on the District's most vulnerable and low income populations	1.1	Evaluate the effectiveness and impact of LIHEAP in reducing the energy burden of households that received energy benefit assistance in FY 15	In FY 16, DOEE will analyze the annual energy costs, amount of LIHEAP energy benefit assistance payment, and annual household income to determine LIHEAP's impact on reducing the energy burden of FY 15 program participants. DOEE will continue to process residents' Utility Discount Program (UDP) applications for the natural gas, electric, and water utility discounts during the LIHEAP energy benefit intake appointment time, to ensure that residents receive their LIHEAP and UDP benefits in a timely manner. DOEE will continue to collect the required data and information that will allow continued effectiveness and enhancement of both LIHEAP and UDP.
1	Reduce the energy burden on the District's most vulnerable and low income populations	1.2	Implement holistic approach to enhance the delivery of services offered to low income households	In FY 16, DOEE will launch a pilot program in collaboration 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 and weatherization improvements and solar systems. The intent of this effort is to develop a seamless method of providing comprehensive energy efficiency and renewable measures, and leverage resources to reduce the energy costs of low income/high energy households. The EA will also conduct a study to provide recommendations regarding a mechanism for leveraging low-income utility subsidies authorized by the Public Service Commission of the District of Columbia (PSC), to finance deep weatherization and efficiency retrofits.
1	Reduce the energy burden on the District's most vulnerable and low income populations	1.3	Promote energy efficiency programs and energy efficient practices through an educational campaign. (Sustainable DC Plan Energy Action 1.6)	In FY 16, DOEE will continue to promote energy education and energy-efficient practices to encourage behavioral changes that result in decreasing the energy burden of low income households. DOEE will provide do-it-yourself weatherization packages to LIHEAP energy benefit recipients and streamlined energy saving tips to all LIHEAP and UDP participants who are waiting to receive energy benefit assistance at DOEE's Energy Centers. DOEE will continue to strengthen its partnerships with low-income and social service providers and other community stakeholders to leverage energy efficiency resources and identify innovative approaches to market the energy programs and services offered in the District.
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Energy Administration/DOEE - 2 (3 Initiatives)				

2	Reduce overall energy consumption and increase the use of renewable energy generated in the District	2.1	Increase the impact of DOEE's innovative energy data disclosure program through enhanced enforcement and utilization of data collected. (Sustainable DC Plan Energy Action 1.1)	In FY 16, DOEE will focus on increasing the compliance rate for buildings required to submit annual energy and water consumption data to DOEE. DOEE will expand enforcement actions against non-compliant building owners to ensure that all reports are completely and accurately submitted by the annual due date, as required by District law. Data quality issues will be detected through careful review and quantitative analysis of each report submitted. Notices of Violations ("written warnings") and Notices of Infractions ("fines") will be issued to non-compliant building owners and/or renters for failure to report their annual energy and water consumption data. DOEE will make the benchmarking data easier to access through customized maps and open source application program interfaces, and by providing more feedback to building owners and the public on how to accurately interpret the results. DOEE will also collaborate with the DCSEU, the US Department of Energy, other District agencies, and private sector stakeholders to design programs to help drive energy savings in large commercial buildings.
2	Reduce overall energy consumption and increase the use of renewable energy generated in the District	2.2	Install electric vehicle charging stations at District-owned buildings and develop a comprehensive suite of strategies to help guide large fleets toward greater fuel efficiency and lower emissions	In FY 16, DOEE will utilize funds from the U.S. Department of Energy's State Energy Program to purchase and install level 1 and 2 electric vehicle charging stations at District facilities to accelerate the adoption and use of electric and low emission vehicles in the District. DOEE will create a catalog of current large vehicles owned by District and federal governments, the Washington Metropolitan Area Transit Authority (WMATA), local universities, and other private entities such as United Parcel Service and FedEx. DOEE will also develop policies, programs, incentives, and new purchasing strategies to encourage fleet owners to switch to lower emission vehicles that will substantially exceed federal vehicle standards and result in cleaner air and improved quality of life.

2	Reduce overall energy consumption and increase the use of renewable energy generated in the District	2.3	Expand DOEE's strategic partnership with the DCSEU to explore new ways to finance energy efficiency and renewable energy projects and initiatives. (Sustainable DC Plan Energy Action 1.4, 2.3 and 3.4)	In FY 16, DOEE will continue to provide technical assistance and guidance to help the DCSEU leverage significant amounts of private capital to finance cost-effective energy efficiency and renewable energy projects across the District's residential and commercial sectors. A major part of this initiative will involve DOEE working with the DCSEU and other private entities to sell any electric system capacity and environmental credits from energy efficiency projects funded by the DCSEU to the PJM Capacity Market. DOEE also plans to continue its partnership with the DCSEU to install solar photovoltaic systems on low-income homes through the Solar Advantage Plus Program.
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Energy Administration/DOEE - 3 (4 Initiatives)

3	Enhance reliability, resiliency and environmental performance of energy systems in the District	3.1	Promote distributed energy resources by representing District Government in Formal Case 1130 convened by the Public Service Commission of the District of Columbia to broadly consider the technologies and policies that would be necessary to modernize the energy delivery system in the District.	The proceeding will cover many topics impacting the sustainability, reliability, resiliency, and affordability of the District's energy system, and may include implementable policy recommendations. In FY 16, DOEE will help lead discussions, projects, and studies impacting policy and regulatory issues and participate in the collaborative stakeholder process. DDOE will seek opportunities to participate in the overall infrastructure planning of the electric and natural gas distribution systems, including the deployment of microgrids, and will provide substantive input to ensure that the District's ratepayers benefit from utility investments .
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3	Enhance reliability, resiliency and environmental performance of energy systems in the District	3.2	Develop and implement an outreach, education, and recruitment strategy to expand the DC Municipal Aggregation Program (MAP), to help residents and businesses understand the benefits of bulk purchasing of electricity to reduce the cost of electricity and increase the District's commitment to purchasing 100 percent clean energy.	In FY 16, DOEE will facilitate the completion of a survey to develop a baseline of the general understanding of electric choices and renewable energy options among targeted communities and customer classes in the District. The results of the survey will be used to develop a campaign, and to identify and build rapport with communities most likely to be a part of an aggregation. DOEE will also facilitate the design of a basic aggregation program with the goal of leading the customer through a simple process, from awareness to execution. The focus of the outreach phase will be to spread the message as far and wide as possible with uniform distribution across all 8 Wards. Through the development of a grassroots campaign, DOEE will operate with a goal to generate a greater understanding of electric choice, spread knowledge of the advantages of aggregation, and provide education regarding the accessibility and reliability of renewable energy, including solar Photovoltaic and thermal systems.
3	Enhance reliability, resiliency and environmental performance of energy systems in the District	3.3	Launch a demonstration project in collaboration with sister agencies to develop an implementation plan for a Neighborhood Resiliency Center	In FY 16, DOEE will study the effectiveness of low-carbon resiliency and sustainability measures and examine the development of a specific demonstration project on a government-owned property, to incorporate innovative distributed generation and support technologies. The EA at a minimum will produce an implementation plan for the demonstration project, which would serve as a Neighborhood Resiliency Center for the nearby residents and businesses in the event of a prolonged outage.
3	Enhance reliability, resiliency and environmental performance of energy systems in the District	3.4	Conduct feasibility studies and in-depth research to provide recommendations for enhancing the performance of the District's energy systems and reducing environmental impacts	In FY 16, DOEE will conduct studies that include: 1) examining the Renewable Portfolio Standard to determine the eligibility of Combined Heat & Power and other resources; 2) exploring the feasibility of developing Energy Efficiency Resource Standards for the District; 3) analyzing various methods of low-carbon (waste heat) heating and cooling, including passive cooling, in collaboration with DC Water to study the potential for supplying heat and hot water to buildings from recaptured waste heat from sewer pipe; and 4) examining additional methods to reduce 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.

TOT

Environmental Services Administration/DOEE - 1 (2 Initiatives)

1	Transform District residential housing into homes that do not contain environmental health hazards (Age-Friendly DC Goal: Domain # 3)	1.1	Refine interagency coordination processes supporting the DC Partnership for Healthy Homes to eliminate environmental health hazards in the homes of vulnerable residents. (Sustainable DC Plan Built Environment Action 3.2, Age-Friendly DC Goal: Domain # 3)	DOEE chairs the DC Partnership for Healthy Homes, which includes other District agencies and private sector partners. In FY 16, the Partnership will seek to solidify existing interagency agreements as well as initiate collaborative relationships with additional public and private sector partners. The enhanced Partnership will result in the identification of an increased number of homes where vulnerable populations live, and increased pathways to hazard remediation.
1	Transform District residential housing into homes that do not contain environmental health hazards (Age-Friendly DC Goal: Domain # 3)	1.2	Enforce against property owners and managers violating laws to protect tenants from exposure to lead (Sustainable DC Plan Built Environment Action 3.2)	DOEE enforces compliance with the District's lead laws and regulations, including requirements to inform tenants about lead hazards. During FY 14 and FY 15, DOEE conducted office audits of property owners and/or property managers to verify their compliance with requirements to provide tenants with a completed District Lead Disclosure Form and the District Tenant Rights Form. It was found that most of those audited failed to comply with these requirements, and DOEE responded by providing compliance education. In FY 16, DOEE will follow up with the violators and take enforcement action against those who fail to provide tenants with information they need to protect their health.

TOT

Environmental Services Administration/DOEE - 2 (2 Initiatives)

2	Improve the design, implementation, and enforcement of emission control programs to reduce air pollution	2.1	Enhance inspection of minor air pollution sources in the District (Sustainable DC Plan Transportation Goal 4)	There are many minor sources in the District that when combined account for approximately one-third of the emissions in the District that lead to ozone formation. Ensuring that these sources comply with applicable laws and make corrections and repairs where needed, will reduce air pollution in the District. Previously gas stations, dry cleaners, and auto painting operations have been inspected periodically or as complaints are received. In FY 16, that list of sources will be expanded to include emergency generators with air quality permits. Verification of a complete list of gas stations will also be undertaken. In addition, written procedures will be developed to determine how often each source is inspected and the criteria for selecting which sources to inspect in which years. 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 number of inspections that can be performed with the same staff.
2	Improve the design, implementation, and enforcement of emission control programs to reduce air pollution	2.2	New and revised air quality regulations in the District (Sustainable DC Plan Transportation Goal 4)	In FY 16, DOEE proposes at least three regulations to improve air quality in the District. The list of potential regulations includes: extensive revision of the asbestos abatement regulations, to include for the first time, buildings with fewer than five residential units; reasonably available control technology (RACT) requirements for sources of oxides of nitrogen (NOx), the primary precursor pollutant for ozone formation; extensive revisions of the regulations for automotive painting, a source not only of ozone precursor pollutants but also a nuisance odor issue; revisions to the air quality permitting regulations; and regulations for a variety of generators, which are also sources of NOx.

TOT

Environmental Services Administration/DOEE - 3 (6 Initiatives)

3	Return District lands to productive use by effectively managing brownfields and underground storage tanks	3.1	Implement new cost effective measures within the Voluntary Cleanup Program (VCP) for remediation of contaminated properties (Sustainable DC Plan Built Environment Action 3.1)	In FY 16, DOEE will finalize VCP guidance documents that will be reviewed by the respective regulated community. DOEE will also work with Council to update the VCP provisions of the District's Brownfields Revitalization Act, resulting in a more streamlined process that will allow District property owners and developers to realize cost savings by working with the District on an effective corrective action plan approval and oversight process.
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3	Return District lands to productive use by effectively managing brownfields and underground storage tanks	3.2	DOEE will continue to encourage and facilitate an increase in Voluntary Remediation Action Program applications and support redevelopment of petroleum contaminated properties at Leaking Underground Storage Tank (LUST) sites	In FY 16, DOEE will conduct an evaluation of the process for reviewing site assessment reports, corrective action plans, permits, approvals, and case closures, to identify and eliminate any weaknesses within the process. This will increase the throughput of applications and encourage greater participation by the development community.
3	Return District lands to productive use by effectively managing brownfields and underground storage tanks	3.3	DOEE will enhance how information is collected, tracked, and shared on Brownfields and LUST Cases	In FY 16, DOEE will liaise with the Department of Consumer and Regulatory Affairs (DCRA), the District Zoning Office, and DC GIS to improve data sharing and public access to information on sites that are contaminated, remediated, or need deed restrictions as institutional controls against residential use. In addition, a new database will be developed that will allow for better tracking of USTs and improve inspection capabilities. Whenever a decision to open or close a case, or an application is made to the Voluntary Remediation Action Program, the information will be made available to the public.
3	Return District lands to productive use by effectively managing brownfields and underground storage tanks	3.4	Improve release detection and release prevention at UST facilities and facilitate better site assessments and cleanup at petroleum contaminated sites	In FY 16, DOEE will review District UST regulations to meet the U.S. EPA June 2015 amendments. DOEE will consider updates to the public participation policy, voluntary remediation action program, and District risk-based assessment guidance, in addition to the development of new guidance on vapor intrusion and institutional control.
3	Return District lands to productive use by effectively managing brownfields and underground storage tanks	3.5	Implement mandatory Integrated Pest Management (IPM) program aimed at preventing possible accidental exposure of pesticides to children at daycare facilities and schools	In FY 16, DOEE will augment outreach to inform the public about the District's revised pesticides regulations for daycare facilities and schools. Printed material will be distributed and the media will be utilized to inform the public about the new program.

3	Return District lands to productive use by effectively managing brownfields and underground storage tanks	3.6	Improve the current certification process of pesticide operators and applicators to apply registered pesticides in the District	In FY 16, DOEE will install a new database that will improve tracking of the certification and training of pesticide operators and applicators. Additionally, DOEE will enhance the pesticide product registration process to better track the products registered.
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Natural Resources Administration/DOEE - 1 (7 Initiatives)

1	Promote the installation of green infrastructure practices, such as rain barrels, rain gardens, and green roofs on public and private lands to help control stormwater runoff and make the District more environmentally sustainable	1.1	Implement a program to purchase Stormwater Retention Credits (SRCs) (Sustainable DC Plan Water Goal 2 and Actions 1.4, 3.3, and 3.4)	The SRC trading program, established on July 19, 2013, is the first of its kind in the nation. This program allows properties that voluntarily install green infrastructure to generate and sell SRCs in an open market to projects required to comply with DOEE's stormwater management regulations. In FY 16, DOEE will implement a program to purchase SRCs to encourage greater private investment in green infrastructure retrofits in order to reduce stormwater runoff.
1	Promote the installation of green infrastructure practices, such as rain barrels, rain gardens, and green roofs on public and private lands to help control stormwater runoff and make the District more environmentally sustainable	1.2	Finalize and implement updated RiverSmart Homes incentives (Sustainable DC Plan Water Goal 2, Action 2.3)	In FY 16, DOEE will finalize revisions to the RiverSmart Homes program to provide District homeowners with more choices and greater incentives to increase voluntary installation of green infrastructure on private properties. These changes will be incorporated into new requests for applications and grants awarded in FY 16.

1	Promote the installation of green infrastructure practices, such as rain barrels, rain gardens, and green roofs on public and private lands to help control stormwater runoff and make the District more environmentally sustainable	1.3	Retrofit the Rock Creek Park Carter Barron Tennis Center and Amphitheater with green infrastructure (Sustainable DC Plan Water Goal 2)	In FY 16, DOEE will begin the design and construction of stormwater retrofits for this highly visible 11-acre parking area on National Park Service land. This project will reduce stormwater pollution, restore natural hydrology, prevent flooding and erosion, and enhance natural habitat for the federally listed endangered Hay's Spring amphipod (<i>Stygobromus hayi</i>).
1	Promote the installation of green infrastructure practices, such as rain barrels, rain gardens, and green roofs on public and private lands to help control stormwater runoff and make the District more environmentally sustainable	1.4	Design and install stormwater retrofits on Department of Parks and Recreation (DPR) lands (Sustainable DC Plan Water Goal 2)	In a new partnership with DPR, DOEE will undertake the design and construction of stormwater retrofits for at least five District parks. The projects will address uncontrolled stormwater, which has negatively impacted DPR infrastructure, as well as beautify the parks and enhance recreational activities.
1	Promote the installation of green infrastructure practices, such as rain barrels, rain gardens, and green roofs on public and private lands to help control stormwater runoff and make the District more environmentally sustainable	1.5	Encourage restoration of native meadows and early successional habitat on public and private lands	In accordance with the District's 2015 Wildlife Action Plan, in FY 16 DOEE will encourage native meadow and early successional habitat restoration by meeting with landowners and providing them with comprehensive suitability assessments. DOEE will also quantify and map lands that have been converted to meadow or early successional habitats. These restoration efforts will provide vital habitat for native wildlife while helping to control stormwater runoff.

1	Promote the installation of green infrastructure practices, such as rain barrels, rain gardens, and green roofs on public and private lands to help control stormwater runoff and make the District more environmentally sustainable	1.6	Conduct a floodplain study of Oxon Run	In FY15, DOEE initiated multi-jurisdictional communications and coordination where representatives from the District and Prince George's County agreed to collaborate to restore Oxon Run, a tributary of the Potomac River. The watershed is shared by the jurisdictions. In FY 16, DOEE will conduct 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.
1	Promote the installation of green infrastructure practices, such as rain barrels, rain gardens, and green roofs on public and private lands to help control stormwater runoff and make the District more environmentally sustainable	1.7	Field test stormwater smart control devices (Sustainable DC Plan Water Action 1.1)	The Metropolitan Washington Council of Governments (COG) received a grant from the National Fish and Wildlife Foundation to study the effectiveness of stormwater smart controls in the Anacostia River watershed. The District of Columbia, Prince George's County, and Montgomery County supported the application and are assisting with the project. The control devices receive real-time weather data and use rainfall prediction to optimize the storage capacity of stormwater management practices, such as ponds, cisterns, and bioretention. The controllers release only the volume of water necessary to accommodate the predicted event. COG has installed two controllers at stormwater ponds: one that drains to Sligo Creek in Montgomery County and another that drains to Lower Beaverdam Creek in Prince George's County. DOEE is assisting with design review and interagency coordination for a third controller that COG will install at a bioretention facility on Nannie Helen Burroughs Avenue NE in FY16. COG will collect stormflow water quality data for approximately one year. DOEE will use the study results to determine the feasibility for using this technology at other locations.

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Natural Resources Administration/DOEE - 2 (7 Initiatives)				
2	Improve regulatory compliance through increased enforcement and more efficient customer service	2.1	Optimize the Stormwater Database to improve enforcement, program efficiency, and customer service	In FY 15, DOEE developed a web-based database that integrates information from Stormwater Management Plans (SWMPs), Erosion and Sediment Control Plans, and inspections. In FY 16, DOEE will expand the functions of the Stormwater Database to improve the process of submitting and approving SWMP applications. The database will also collect inspection data, including photo evidence, track environmental impacts to District waterbodies, and incorporate a feature to electronically stamp plan documents.

2	Improve regulatory compliance through increased enforcement and more efficient customer service	2.2	Update the Soil Erosion and Sediment Control Standards and Specifications and develop a field guide for contractors	In FY 16, DOEE will update Soil Erosion and Sediment Control Standards and Specifications guidance to include the latest technologies to control sediment runoff. DOEE will also develop an easy-to-read, laminated companion field guide that provides illustrated examples of soil erosion control best management practices at construction sites. The field guide will be published in English and Spanish and distributed to building contractors.
2	Improve regulatory compliance through increased enforcement and more efficient customer service	2.3	Coordinate FEMA's Community Assistance Visit (Sustainable DC Plan Water Goal 2)	In FY 16, DOEE will coordinate with the District Homeland Security and Emergency Management Agency (HSEMA) and DCRA to prepare for the Federal Emergency Management Agency's (FEMA's) Community Assistance Visit (CAV) in March 2016. This visit is an audit of the District's implementation of National Flood Insurance Program (NFIP), including a review of the past five years of floodplain development permits and a tour of floodplain areas to identify any violations of the District's floodplain regulations. This will be first FEMA CAV since the District joined NFIP in 1976. DOEE will work with sister agencies to conduct the CAV and address issues FEMA has identified, including revising the standard operating procedures for the District's Floodplain Regulations.
2	Improve regulatory compliance through increased enforcement and more efficient customer service	2.4	Expand and refine the mobile application for water quality inspection and investigation	DOEE coordinated with the Office of the Chief Technology Officer (OCTO) in FY 13 and FY 14 to develop a custom software application to capture inspection and enforcement data in a relational geodatabase. In FY 15, DOEE inspectors began using this software in the field. The application is helping to improve data accuracy, completeness, and reporting for inspections of Municipal Separate Storm Sewer System (MS4) facilities, outfalls, federally permitted facilities, and illicit discharges. In FY 16, DOEE will refine the software to streamline workflow and reporting and improve query capabilities by adding two new modules: one to track follow-up visits/inspections and one to track individual and Multi-Sector General Permit inspections related to National Pollutant Discharge Elimination System requirements.

2	Improve regulatory compliance through increased enforcement and more efficient customer service	2.5	Identify illegal discharges to Hickey Run and take enforcement action against polluters	In FY 16, DOEE will conduct a strategic investigation of sources of pollution in Hickey Run, a tributary of the Anacostia River that flows through the National Arboretum. Development and impervious surfaces in the surrounding areas have seriously degraded and polluted the stream. The investigation will include collection of evidence to support enforcement actions against those responsible for the pollution, and DOEE will initiate enforcement actions to hold responsible parties liable.
2	Improve regulatory compliance through increased enforcement and more efficient customer service	2.6	Implement water well regulations and develop a related guidance document	In FY15, DOEE proposed water well regulations that establish standard procedures for the construction, maintenance, and abandonment of wells in the District. DOEE will implement the regulations and begin enforcing them before the end of FY 16. DOEE will also develop a guidance document to assist applicants with the well registration process and fee calculation.
2	Improve regulatory compliance through increased enforcement and more efficient customer service	2.7	Implement new Foam Ban	Expanded polystyrene, also known as foam or Styrofoam™, is one of the most common forms of trash pollution in District waterways. A new law, effective January 1, 2016, prohibits District businesses and organizations from serving prepared food and beverages in foam containers. DOEE will conduct a comprehensive, District-wide outreach campaign that will include in-person visits, mailings, phone calls, and emails to regulated entities and other relevant stakeholders. Once the ban takes effect, DOEE will begin enforcement, initially focusing on compliance assistance and warnings and then ramping up issuance of fines to regulated entities that continue to distribute foam products.
TOT				

Natural Resources Administration/DOEE - 3 (6 Initiatives)

3	Monitor the health of the District's natural resources	3.1	Update the project and data framework for the Wetland Conservation Plan and Registry (Sustainable DC Plan Nature Goal 1, Actions 1.1 and 1.2)	In FY 16, DOEE will create the Wetland Registry geodatabase structure, which involves defining the attributes and restoration/mitigation potential for the District's known wetlands, creating suitability guidelines for wetland creation, and aggregating and normalizing data according to OCTO's geographic information system (GIS) standards. DOEE will continue to engage stakeholders and will also work with federal and District partners to secure access to land that needs to be assessed.
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3	Monitor the health of the District's natural resources	3.2	Update fine-scale mapping project of District watersheds and subwatersheds (Sustainable DC Plan Nature Goal 1, Action 1.3)	In FY 16, DOEE will continue to collaborate with the Office of the Chief Technology Officer, DC Water, and the United States Geological Survey on the fine-scale mapping project. FY 16 deliverables include developing a pilot local-resolution for the Anacostia Watershed test case, conducting staff training, and developing draft National Hydrography/Watershed Boundary Datasets for the District's portion of the project.
3	Monitor the health of the District's natural resources	3.3	Propose rulemaking for the triennial review of the District's Water Quality Standards	The District Water Quality Standards are revised every three years with public participation and a public hearing under the authority of the federal Clean Water Act and the DC Water Pollution Control Act of 1984. In FY 16, DOEE will use the latest scientific findings on ambient water quality criteria to update the Water Quality Standards and publish a proposed rulemaking, which will protect designated uses as identified in the regulations. DOEE will conduct stakeholder engagement activities prior to publication.
3	Monitor the health of the District's natural resources	3.4	Publish proposed wetland regulations (Sustainable DC Plan Nature Goal 1, Action 1.2)	In FY 16, DOEE will finalize the review and comment process for the draft wetland regulations, which will be promulgated in FY 17. DOEE will coordinate efforts with DCRA and the United States Army Corps of Engineers. DOEE will also conduct stakeholder's engagement activities prior to publication.
3	Monitor the health of the District's natural resources	3.5	Implement a revised monitoring program consistent with the requirements of the District's MS4 Stormwater Permit. (Sustainable DC Plan Water Goal 3, Action 3.5)	In FY15, DOEE submitted a revised monitoring program to the U.S. EPA Region 3 for approval. The revised monitoring program will be used to produce wet weather pollutant loading estimates, identify pollutant sources, track progress toward total maximum daily load (TMDL) waste load allocations, and evaluate the health of receiving waters. DOEE will implement the revised monitoring program in FY 16, upon EPA's approval.

3	Monitor the health of the District's natural resources	3.6	Implement a Fisheries Management Plan to restore DC's native fisheries	DOEE developed a 5-year work plan for fisheries research and provides annual status reports to the US Fish and Wildlife Service. Plan components address sport fish species populations, site selection and restoration criteria for planting submerged aquatic vegetation to increase sport fish habitats, dietary preferences of invasive fish and their effects on other aquatic resources, chemical marking as part of regional American shad restoration, and communications with District anglers to promote youth angling recruitment and retention and increase regulatory fishing compliance. In FY 16, DOEE will collect and analyze fisheries management data that will guide the agency's legislative, regulatory, and management decisions.
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TOT

Natural Resources Administration/DOEE - 4 (4 Initiatives)				
4	Encourage the public to protect natural resources through education and outreach	4.1	Develop and publish a new RiverSmart Homes website and blog. (Sustainable DC Plan Water Goal 2, Action 2.3)	In FY 16, DOEE will create an external website and blog to engage current, past, and future RiverSmart Homes participants by providing resources that empower them to better understand and prevent stormwater runoff on their properties and in their communities. The website, www.riversmarthomes.org , will provide a suite of "evergreen" resources for homeowners on maintenance, pesticide use, habitat creation, street tree assistance, and other stormwater related issues. The blog, embedded in the website at www.riversmarthomes.org/blog , will feature examples of practices and timely updates, such as seasonal maintenance tips and reminders to prepare for major rainstorms.
4	Encourage the public to protect natural resources through education and outreach	4.2	Increase fishing regulation compliance by employing an "education before enforcement" approach	In FY 16, DOEE will work with District landowners to erect signs in high-target areas to inform the angling community of the District's fishing and licensing requirements and anglers' responsibilities. DOEE will also conduct a survey to gauge regulatory compliance.
4	Encourage the public to protect natural resources through education and outreach	4.3	Conduct enhanced outreach on the fish consumption advisory	In FY 16, DOEE will conduct fish consumption advisory outreach to provide the general public with information regarding the risks associated with, and best practices for, consuming fish from the Anacostia and Potomac river. DOEE will maintain physical signage at popular fishing locations, in addition to disseminating information on the agency website, on fishing licenses, and via social media.

4	Encourage the public to protect natural resources through education and outreach	4.4	Create a connectivity map to guide development of viable habitats throughout the District	In FY 16, DOEE will collect and analyze data on plant species population, distribution, and abundance and create comprehensive maps of vegetative cover. These maps will help DOEE identify corridors that wildlife can utilize for home range and migratory behaviors and that are the most successful or harmful for species movements. DOEE will prioritize the maps and corridors to identify greater species risks and methods to reduce those risks.
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TOT

Office of Community Relations - 1 (3 Initiatives)

1	Educate District residents, businesses, institutions and government through targeted public education campaigns to encourage environmentally-friendly and energy efficient practices	1.1	Expand DOEE visibility and rapport with District residents, particularly in historically underserved neighborhoods (Sustainable DC Plan Equity and Diversity Action 2.1)	In FY 16, DOEE will enhance efforts to directly engage District residents (including children, seniors, and low-income residents) through community service organizations and community events. The OCR will coordinate efforts with the Department's new equity and engagement program analyst.
1	Educate District residents, businesses, institutions and government through targeted public education campaigns to encourage environmentally-friendly and energy efficient practices	1.2	Enhance the Energy Patrol Program for District elementary and middle school students	In FY 16, DOEE will augment the Energy Patrol Program to include broad environmental education. In addition, the program will implement a tracking mechanism to measure student progress and collect information on program effectiveness.
1	Educate District residents, businesses, institutions and government through targeted public education campaigns to encourage environmentally-friendly and energy efficient practices	1.3	Plan and execute community outreach activities and produce outreach materials and social media content to promote the mission and services of DOEE and Sustainable DC	In FY 16, DOEE will continue to develop targeted outreach materials and participate in community events with focus on the environment, energy, and sustainability. Sample events that the Department will participate in include Earth Day, Adam's Morgan Day, Senior Expo, DC Housing Fair, school conventions, and World Environment Day.

TOT

Office of Enforcement/DOEE - 1 (3 Initiatives)

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1	Increase enforcement quality and activities in order to bring polluters into compliance with the District's environmental laws	1.1	Enhance enforcement planning	In FY 16, DOEE will implement a process to coordinate development of enforcement goals and initiatives. This process will help focus enforcement efforts by identifying priorities and opportunities for cross-agency enforcement to address environmental problems that threaten the District's air, water, lands, wildlife, and the health of its people.
1	Increase enforcement quality and activities in order to bring polluters into compliance with the District's environmental laws	1.2	Streamline enforcement by adopting templates for common enforcement documents	DOEE enforces multiple laws that protect public health and the environment. In FY 16, DOEE will adopt a set of standardized enforcement templates for use by all agency enforcement programs to streamline enforcement and help ensure consistency and quality.
1	Increase enforcement quality and activities in order to bring polluters into compliance with the District's environmental laws	1.3	Facilitate tracking of enforcement actions	In FY 16, DOEE will facilitate tracking of agency-wide enforcement by including enforcement actions in a centralized database. This will make it easier to identify repeat violators, areas of concern, and enforcement priorities. This database will become part of an integrated agency-wide inspection, compliance, and enforcement database now under development.

TOT

Office of the Director/DOEE - 1 (6 Initiatives)

1	Oversee the implementation of agency-wide priorities	1.1	Continue managing the remedial investigation and initiate a feasibility study for remediating contaminated Anacostia River sediments	In FY 16, DOEE will produce a draft remedial investigation (RI) report, which will include an assessment and evaluation of human health and ecological risks resulting from contamination of the river sediments. Subsequently, DOEE will investigate specific locations requiring further examination based on any data gaps identified in the RI report. DOEE will continue to evaluate damage to fish and wildlife in the Anacostia River and determine the quantity and quality of sediment contaminants entering the District from Maryland tributaries. DOEE will identify areas of concern, notify Potentially Responsible Parties (PRPs), and initiate negotiations with the PRPs. DOEE will also initiate a feasibility study in FY 2016, that when completed, will provide a detailed assessment of viable methods of remediation
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1	Oversee the implementation of agency-wide priorities	1.2	Enhance resident awareness and support of Sustainable DC and engagement in sustainability initiatives. (Sustainable DC Plan Equity and Diversity Actions 2.1 and 2.2, Age-Friendly DC Goal: Domain # 4)	In FY 16, DOEE will continue to increase the number and diversity of sustainability outreach programs and events. DOEE hired an "equity and engagement" program analyst in Q4 of FY15, and the new staff person will partner with other agencies and nongovernmental organizations to expand Sustainable DC outreach to diverse constituencies and underserved neighborhoods. DOEE will continue to fund and support the Smarter DC Challenge, a business sustainability competition that was launched to promote sustainability in businesses across the District.
1	Oversee the implementation of agency-wide priorities	1.3	Engage with stakeholders and complete a new Comprehensive Energy Plan ("CEP" or "Plan") for the District. (Sustainable DC Plan Energy Actions 1.5, 1.6, 2.3, and 3.1; Transportation Action 4.3)	The CEP is a five-year plan that will establish energy goals and bold solutions that will serve the District well into the future. The CEP will be developed in two phases, 1) research and writing, and 2) stakeholder review and comment. Phase 1 will build on previous drafts of the CEP, consisting primarily of technical analysis and modeling. Phase 2 will generate stakeholder comment to give DOEE confidence that the new CEP adequately reflects the realities of the District's energy environment. The CEP is intended to be a living document that DOEE will update as needed to guide the efforts of District government and other sectors, inform the allocation of resources, respond to new opportunities, and adjust to unanticipated energy market changes.
1	Oversee the implementation of agency-wide priorities	1.4	Restore three streams in the Anacostia Watershed (Sustainable DC Plan Water Goal 2.)	In FY 16, DOEE will begin the construction phase for three multi-year stream restoration projects in the Anacostia Watershed: Nash Run, Springhouse Run, and Pope Branch. DOEE completed the design phase and the majority of the procurement process for these projects in FY15. Over 7,000 linear feet of stream will be restored in total. These projects will create wildlife habitat, improve water quality in the streams and the Anacostia River, and engage residents with their surrounding environment.

1	Oversee the implementation of agency-wide priorities	1.5	Enable the development and deployment of community renewable energy facilities throughout the District (Sustainable DC Plan Energy Actions 2.3 and 2.4)	In FY 16, DOEE will utilize available Renewable Energy Development Funds to facilitate the development of Community Renewable Energy Facilities (CREFs), and encourage broad participation in District-based tier one renewable electric generation by District residents through outreach and education in all eight wards. DOEE will collaborate with the Department of General Services, the District of Columbia Sustainable Energy Utility (DCSEU), and local solar contractors to build CREFs on District-owned facilities to support Low Income Homes Energy Assistance Program (LIHEAP)-eligible residents within the communities served by the facilities. DOEE will coordinate with the DCSEU and local solar installers to provide a range of opportunities to train District residents on how to install and maintain CREFs. DOEE will also continue to support regional efforts led by the Metropolitan Washington Council of Governments to streamline solar permitting and interconnection processes, and educate District residents about the economic and environmental benefits of clean energy generated through CREFs.
1	Oversee the implementation of agency-wide priorities	1.6	Expand the District's tree planting and coordination efforts to achieve the Sustainable DC goal to cover 40 percent of the District with a healthy tree canopy by 2032	In FY 16, DOEE will co-host a Tree Summit with DDOT, kick off Canopy 3000 (a campaign to plant an additional 3,000 new trees in 2016), establish a new MOU with DDOT on tree planting responsibilities, establish the Urban Forestry Advisory Committee, and hire a new full time tree policy specialist at DOEE. Completion Date: September, 2016.

TOT

Office of the Director/DOEE - 2 (1 Initiative)

2	Increase transparency of grant programs	2.1	Streamline grantee monitoring in compliance with new federal requirements	In FY 16, DOEE will update its grant management processes and templates to ensure compliance with the new Uniform Administrative Requirements, Cost Principles, and Audit Requirements For Federal Awards (2 CFR 200). The agency will streamline grantee monitoring through enhanced technical assistance and training. It will also continue efforts started in FY15 to implement a centralized grants management database and a new initiative of showcasing completed projects funded by grants.
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TOT

Office of the Director/DOEE - 3 (1 Initiative)

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3	Establish and continuously maintain regulations that protect and improve the environment for District residents	3.1	Author, revise and/or publish environmental regulations, including regulations that pertain to environmental services, natural resources, energy policy, and sustainability	This initiative is continuing into FY 16, 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 16 the Department expects to promulgate final versions of regulations to: set standards for mold assessment and remediation licensure and certification, set wells and borings standards, govern hazardous air pollutants, set a pesticides standards schedule of fines, implement the expanded polystyrene ban, implement an annual stormwater fees inflation adjustment, govern the LIHEAP program, reorganize Title 20 of the DCMR, and implement provisions of product stewardship and sustainable waste laws.
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TOT

Office of the Director/DOEE - 4 (2 Initiatives)

4	Promote green business and job development	4.1	Coordinate with Sustainable DC agencies to promote green businesses and job development	In FY 16, DOEE will work with the Department of Small and Local Business Development, the Deputy Mayor for Planning and Economic Development, and other District Government agencies through the Smarter DC Challenge program to promote and provide guidance to new and existing green businesses in the District. DOEE will also continue to administer the District's Sustainability Awards, recognizing businesses and institutions for their commitment to environmental practices. Additionally, DOEE will share stories of green businesses with the District-wide sustainability community.
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4	Promote green business and job development	4.2	Support the development of green jobs and career preparation	In FY 16, DOEE will work to expand green job opportunities by 1) hosting a Green Job "Supply & Demand" Conference that will bring together area stakeholders who train and hire for green jobs to identify gaps, strengthen training programs, and improve hiring practices, 2) establishing a new green fellowship program at DOEE that partners with local universities to attract graduate level students for complex projects, 3) expanding the Green Zone Environmental Program to include additional training and partnerships so that program graduates can be matched with local green job training programs and employers, and 4) working with DCSEU, University of the District of Columbia (UDC), Department of Employment Services (DOES), and Department of District of Columbia Public Schools (DCPS) to continue to identify opportunities that prepare District residents for careers in green jobs.
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TOT

Urban Sustainability Administration/DOEE - 1 (4 Initiatives)

1	Increase the understanding and adoption of innovative sustainability practices, including climate change adaptation, within DOEE, the District Government, and the community	1.1	Strengthen community engagement and action related to sustainability (Sustainable DC Plan Equity and Diversity Action 2.1)	In FY 16, DOEE will work collaboratively with new strategic partners, including faith-based institutions and community organizations, with a particular focus on Wards 5, 7, and 8, to better engage residents and act upon opportunities aligned with the Sustainable DC Plan. In addition, USA will develop training materials for DOEE staff and community partners to serve as a resource for equitable inclusion in sustainable practices.
1	Increase the understanding and adoption of innovative sustainability practices, including climate change adaptation, within DOEE, the District Government, and the community	1.2	Engage District businesses to increase environmental compliance and sustainability leadership. (Sustainable DC Plan Equity and Diversity 2.2, Transportation Actions 3.3 and 4.2)	In FY 16, DOEE will develop and execute new business outreach programs to increase environmental compliance and the implementation of sustainable best practices. USA will support other DOEE divisions to develop a clear path of regulatory compliance and leadership in sustainability. To aid in this effort, USA will coordinate and lead a multiagency workgroup to ensure business engagement and regulatory compliance.

1	Increase the understanding and adoption of innovative sustainability practices, including climate change adaptation, within DOEE, the District Government, and the community	1.3	Research and test innovative new policies and programs within green building and energy efficiency (Sustainable DC Plan Built Environment Action 3.5, 4.1, 4.2, and 4.5, Energy Action 2.2 and the Sustainable DC Mayors Order Sections 6 and 8)	In FY 16, DOEE will research and test new techniques in green building through the 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 16 include in-depth analysis in green finance mechanisms, a microgrid feasibility study and toolkit, a grant for supporting deep sustainability planning at the District's large scale development projects, the creation of heat island and cool roof mapping, and a behavior change program for the multifamily residential sector to encourage utility efficiency.
1	Increase the understanding and adoption of innovative sustainability practices, including climate change adaptation, within DOEE, the District Government, and the community	1.4	Advance climate change mitigation and adaptation (Sustainable DC Plan Climate and Environment Actions 1.2, 1.3, 2.1, and 2.4, and Transportation Action 1.4)	In FY 16, DOEE will complete the citywide Climate Adaptation Plan that will assess the vulnerability of the District to the impact of climate change, including threats to energy, transportation, and other critical infrastructure from flooding, extreme weather, and extreme heat. The Climate Adaptation Plan will include recommendations for strategies and policies to improve the resilience of these systems. USA will coordinate with other District agencies to explore new programs to advance resilience, including the creation of a program to install cool roofs on District low-income residential buildings in order to mitigate urban heat island and reduce unhealthy conditions for residential tenants. USA 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, USA will also update the District's greenhouse gas emissions inventory, and will work to find funding sources to update the District's Climate Action Plan to continue to work towards reducing greenhouse gas emissions 50 percent by 2032 and 80 percent by 2050.
TOT				

Urban Sustainability Administration/DOEE - 2 (4 Initiatives)

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2	Continue to implement the Sustainable DC Plan (Sustainable DC Plan Governance Actions 1.1 and 1.2, Equity and Diversity 2.2, Climate and Environment Action 1.1, and Water Actions 1.2 and 1.3)	2.1	Continue to implement the Sustainable DC Plan (Sustainable DC Plan Governance Actions 1.1 and 1.2, Equity and Diversity 2.2, Climate and Environment Action 1.1, and Water Actions 1.2 and 1.3)	In FY 16, DOEE will work with the 27 District Government agencies with responsibilities in the Sustainable DC Plan, and with community partners, to continue to make robust progress on the implementation of the plan. USA will track and analyze information to develop sustainability tools, policies, and programs, and communicate progress by the District Government and community leaders. Progress reports and tools will be publicly available in person and online.
2	Continue to implement the Sustainable DC Plan (Sustainable DC Plan Governance Actions 1.1 and 1.2, Equity and Diversity 2.2, Climate and Environment Action 1.1, and Water Actions 1.2 and 1.3)	2.2	Advance the commitment to sustainable building for all new construction and large scale development projects. (Sustainable DC Plan Built Environment Actions 4.1, 4.3, and 4.4, and Energy Actions 2.3 and 3.3, and Water Actions 2.1 and 2.2)	In FY 16, DOEE will work with private developers to incorporate higher commitments to sustainability, integrate renewable energy technology, and investigate district- and neighborhood-level green building strategies. Through engaging developers and their teams early in the design process, USA will recommend strategies and incentives that advance sustainability goals across multiple target areas of the Sustainable DC Plan, including design for low-impact stormwater management, energy and water efficiency, and net zero energy and water buildings. USA will continue efforts to promote sustainability on the three large-scale EcoDistrict projects that represent different market sectors and socioeconomic conditions in the District. USA will also explore partnerships with the development sector to reduce energy and water use, and work on updates to the Green Building Act and DC Green Construction Code.
2	Continue to implement the Sustainable DC Plan (Sustainable DC Plan Governance Actions 1.1 and 1.2, Equity and Diversity 2.2, Climate and Environment Action 1.1, and Water Actions 1.2 and 1.3)	2.3	Advance the commitment to create greener, healthier and more efficient residential buildings, with a focus on housing affordability. (Sustainable DC Plan Built Environment Actions 3.1, 3.4, 3.5, 4.1, 4.3, 4.4, and 4.5 and Energy Action 1.6, 2.3, and 3.3, and Water Actions 2.1 and 2.2)	In FY 16, DOEE will work with the residential building sector, including the development community and other stakeholders, to create greener, healthier and more efficient residential buildings, with an emphasis on supporting housing affordability through greater utility efficiency, renewables deployment, and household cost-savings. In particular, USA will coordinate expanding green affordable housing choices for District residents by partnering with the housing agencies, particularly the DC Housing Authority and Department of Housing and Community Development to identify opportunities for innovation in deep green retrofits and new construction. In addition, USA will research the expansion of existing programs and the creation of new initiatives that will support the greening of residential buildings not covered by the Green Building Act or DC Green Construction Code, including single family and low-rise multifamily.

2	Continue to implement the Sustainable DC Plan (Sustainable DC Plan Governance Actions 1.1 and 1.2, Equity and Diversity 2.2, Climate and Environment Action 1.1, and Water Actions 1.2 and 1.3)	2.4	Create the Path to Zero Waste (Sustainable DC Plan Waste Actions 1.3, 1.4, and 2.4)	In FY 16, DOEE will aid in the development of a zero waste strategic plan to include source reduction, reuse, recycling, composting, and conversion of compostable solid waste into biofuel. At the same time, USA will implement electronics and paint product stewardship programs, recommend new policies to reduce toxics in the waste stream, and facilitate reuse and recycling of valuable and hard to recycle materials. USA will also support businesses in reducing waste through the Smarter DC Challenge and partnering with businesses in the District's three designated EcoDistricts.
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