



FY 2015 Performance Accountability Report Department of Energy and Environment

INTRODUCTION

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

MISSION

The mission of the Department of Energy and Environment (DOEE) is to improve the quality of life for the residents and natural inhabitants of the nation's capital by protecting and restoring the environment, conserving our natural resources, mitigating pollution, increasing access to clean and renewable energy, and educating the public on ways to secure a sustainable future. The agency's core responsibilities include, but are not limited to, enforcing environmental regulations; monitoring and assessing environmental risks; developing energy and environmental policies; issuing permits; and providing residents and local businesses with funding, technical assistance, and information on initiatives designed to ensure a more resilient and sustainable city.

SUMMARY OF SERVICES

DOEE is the lead agency for creating, promulgating and enforcing District of Columbia environmental standards, in addition to implementing, through grant requirements and other mechanisms, federal environmental laws and regulations. The Department also provides certification, review and technical analysis services to both the District government and District residents through inspections, training programs, and permitting processes, in addition to providing energy-related policy, planning, and direct services. Finally, the Department develops and implements innovative solutions and programs designed to improve environmental quality and sustainability in the District.

OVERVIEW – AGENCY PERFORMANCE

The following section provides a summary of DOEE performance in FY 2015 by listing DOEE's top three accomplishments, and a summary of its progress achieving its initiatives and progress on key performance indicators.

TOP THREE ACCOMPLISHMENTS

- ✓ Installed 137 solar power systems on homes of low-income District residents.
- ✓ Updated the District's State Wildlife Action Plan, a comprehensive ten year conservation strategy for wildlife that identifies species of greatest conservation need, habitats, threats to habitats and species, and actions to minimize those threats.
- ✓ Completed installation of the largest low impact development retrofit in the District—27 acres of rain gardens and permeable paving systems installed across two neighborhoods, including



public space and private properties through RiverSmart Washington, a partnership between DOEE, DDOT, DC Water, and the Rock Creek Conservancy.

Table 1: Total Agency Measures and Initiatives, By Category

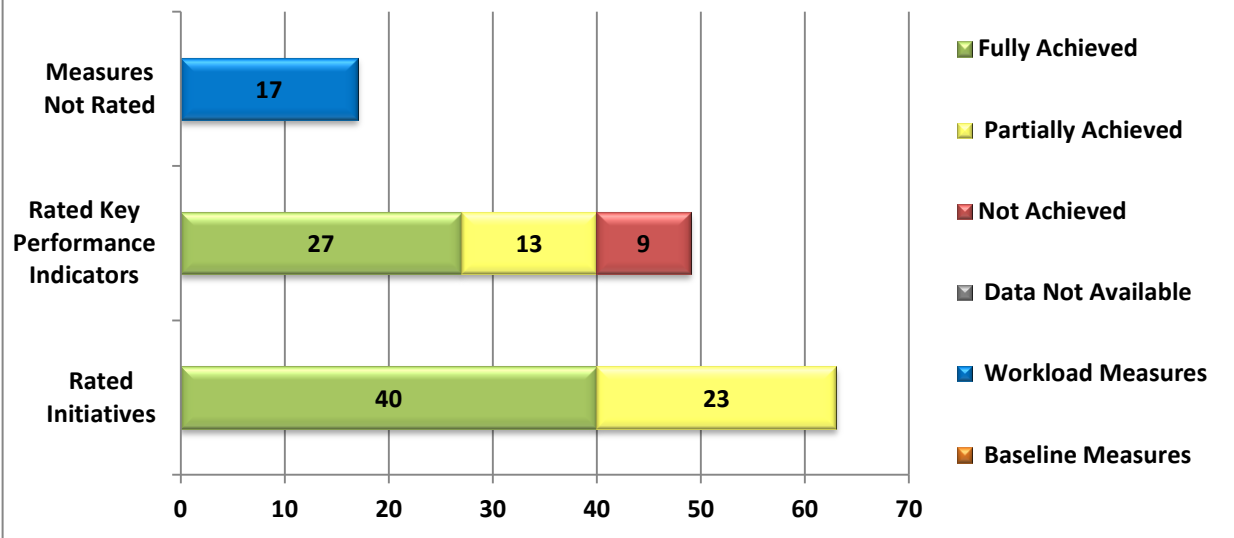


Chart 1: Total Rated Agency Key Performance Measures, by Achievement Level

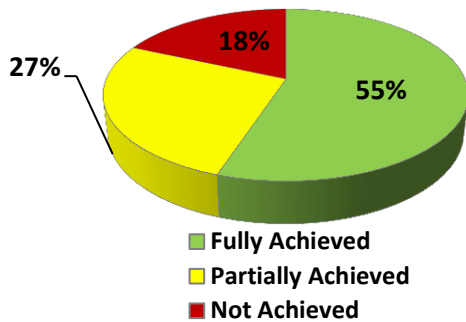
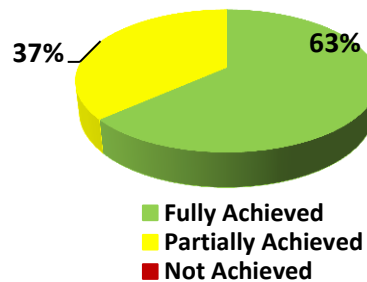


Chart 2: Total Agency Initiatives, by Achievement Level



Default KPI Rating:

$\geq 100\%$	Fully Achieved
75 - 99.99%	Partially Achieved
$< 75\%$	Not Achieved



In FY 2015, DOEE fully achieved almost two thirds of its initiatives and over 50 percent of its rated key performance measures. **Table 1** provides a breakdown of the total number of performance metrics DOEE uses, including key performance indicators and workload measures, initiatives, and whether or not some of those items were achieved, partially achieved or not achieved. **Chart 1** displays the overall progress being made on achieving DOEE objectives, as measured by their rated key performance indicators. Please note that **Chart 2** contains only rated performance measures. Rated performance measures do not include measures where data is not available, workload measures or baseline measures. **Chart 2** displays the overall progress DOEE made on completing its initiatives, by level of achievement.

PERFORMANCE INITIATIVES – ASSESSMENT DETAILS

Office of the Director

OBJECTIVE 1: Oversee the implementation of agency-wide priorities.

INITIATIVE 1.1: Manage the remedial investigation on and undertake a feasibility study of the Anacostia River. In FY 15, DOEE will continue to conduct the remedial investigation of the Anacostia River. This includes an examination of the Anacostia River’s historical data, the collection of samples of the river sediment, and test evaluations of the riverbed, water, and organisms within the Anacostia River. In spring 2015, DOEE plans to conduct a feasibility study of the Anacostia River Study. The objective of the remedial investigation and feasibility study is to determine the nature and extent of contamination, evaluate human health and ecological risk, and ultimately develop cleanup approaches to restore the river. **Completion Date: September, 2015.**

- **Performance Assessment Key: Partially Achieved.** All initial sampling of the Anacostia River was completed in FY15. The contractor also completed all of the necessary background work to start developing a draft Remedial Investigation Report, which is due to the agency in 2Q FY16. Work on evaluating contaminant loading from upstream source commenced in FY15, in coordination with USGS and the University of Maryland. DOEE also worked with the US Fish & Wildlife to initiate a 3rd phase investigation of the brown bullhead catfish to determine if tumor formation is still trending downward. The Feasibility Study is expected to begin in 2Q FY16.

INITIATIVE 1.2: Enhance resident awareness of, support of, and engagement in Sustainable DC and related sustainability initiatives. (Sustainable DC Plan Equity and Diversity Actions 2.1 and 2.2, Age-Friendly DC Goal: Domain # 4)

In FY 15, DOEE will continue to increase the number and diversity of sustainability outreach programs and events. DOEE will partner with other agencies and nongovernmental organizations to expand outreach to diverse constituencies and currently underserved



neighborhoods. DOEE will also develop new business and neighborhood challenges to promote sustainability in particular neighborhoods across the District. **Completion Date: September, 2015.**

- **Performance Assessment Key: Fully Achieved.** In FY15, DOEE enhanced awareness of Sustainable DC and strengthened its community engagement programs to increase awareness of the District’s sustainability goals and educate residents about what they can do to help the city reach these goals. This was accomplished by attending events in all eight wards (127 events in total) and training a new cohort of Ambassadors that educated District residents from across the city on how to talk about sustainability in their community. This year, to increase engagement in under-represented areas, Sustainable DC also partnered with community partners to launch a Climate Photo Contest focused on Wards 7 and 8. Finally, Sustainable DC also reached the business community through the Smarter DC Challenge.

INITIATIVE 1.3: Oversee future certification of Stormwater Retention Credits as part of the District’s Stormwater Retention Credit (SRC) trading program.

The SRC trading program, established on July 19, 2013, is the first of its kind in the nation. In FY 14, DOEE helped move this program forward by certifying the District’s first SRCs in April 2014. DOEE will continue to enhance this program in FY 15 and certify SRCs for eligible best management practices and land cover changes. DOEE will also continue to provide a variety of public training sessions throughout FY 15. These sessions will focus on specific stormwater best practice management—from general compliance training to sessions focused on details of design and constraints of stormwater best management designs. **Completion Date: September, 2015.**

- **Performance Assessment Key: Fully Achieved.** DOEE certified SRCs for six properties in FY15 and has five properties with SRCs listed for sale on the SRC registry. One of the six SRC-generating sites is a District property in DGS’s portfolio that is using the SRCs to meet a compliance obligation. DOEE has also continued to provide free public trainings on SRC generation and general compliance with the District’s stormwater management regulations.

INITIATIVE 1.4: Develop sustainability assessment criteria to guide agencies in evaluating the sustainability of their respective operations in accordance with Mayor’s Order 2013-209 (Sustainable DC Governance Goal 1, Action 1.2; Built Environment Goal 3.

No later than November 30, 2014, the District Department of the Environment and the Office of Planning will jointly develop and send to the Office of the City Administrator for review and approval criteria to guide agencies in evaluating the sustainability of their respective operations in accordance with the requirements of Mayor’s Order 2013-209, the Sustainable DC Transformation Order. DOEE and OP will develop the assessment criteria in consultation with the District agencies listed in the Order in Section IIC. **Completion Date: November 30, 2014.**



- **Performance Assessment Key: Fully Achieved.** DOEE and the Office of Planning, with the assistance of graduate students from American University, developed two sustainability assessments. The first assessment was created for agency managers and the second assessment was developed for all District government employees. The assessments asked respondents to evaluate the sustainability of many different aspects of agency operations. Sustainable DC staff has analyzed results and are drafting options for green government policies or guidelines.

INITIATIVE 1.5 Conduct agency sustainability assessment using OCA approved criteria developed by DOEE and OP in accordance with Mayor’s Order 2013-209 (Sustainable DC Governance Goal 1, Action 1.2; Built Environment Goal 3).

Within one hundred twenty (120) days after the City Administrator approves sustainability assessment criteria developed jointly by the District Department of the Environment and the Office of Planning, each agency head subject to the authority of the mayor shall use the criteria to evaluate the sustainability of their respective operations in accordance with the requirements of Mayor’s Order 2013-209, the Sustainable DC Transformation Order, and submit to his or her responsible Deputy Mayor and the Office of the City Administrator the results of the agency’s internal assessment.

Completion Date: April 2015.

- **Performance Assessment Key: Fully Achieved.** The managers and all staff sustainability assessments were sent in partnership with the Executive Office of the Mayor via email multiple times. Both surveys had good response rates. The all staff assessment received feedback from over 4,500 District employees. DOEE is currently analyzing the results to learn how to improve the sustainability of government operations.

OBJECTIVE 2: Increase transparency of grant programs.

INITIATIVE 2.1: Simplify the management and administration of all DOEE grants and sub-grants.

In FY 15, DOEE will roll out a grants management database that will allow grantees to apply for grant funds electronically, to manage their grants and report back to DOEE through the same database. This database will enable all DOEE grant programs to centralize the administrative portion of managing grants, from the beginning of each grant’s life cycle to the end. **Completion Date: September, 2015.**

- **Performance Assessment Key: Partially achieved.** In FY15, DOEE procured an off-the-shelf grants management database. Agency personnel worked closely with the vendor to implement the use of the database throughout the agency. However, DOEE identified multiple flaws that needed to be addressed by the vendor in order for the product to best meet the needs of the agency. The vendor is scheduled to deliver its updated product in the first quarter of FY16.



OBJECTIVE 3: Establish and continuously maintain regulations that protect and improve the environment for District residents.

INITIATIVE 3.1: Author, revise and/or publish environmental regulations, including regulations that pertain to urban beekeeping, asbestos, control of air pollution sources, wetlands, wells, coal tar, and the schedule of fines, Sustainable DC Governance Action 1.3.

This initiative is continuing into FY15, as DOEE is required to continuously update and improve the portions of the DCMR under its regulatory authority to protect public health and the environment. DOEE also developed new regulations when required by newly enacted laws, and/or develop regulations to enact new programs. By the end of FY15, DOEE expects to promulgate rules to: govern the urban beekeeping program; structure the notification of asbestos work; govern the use of non-road diesel engines; revise the DMV inspections and maintenance program; set forth the comprehensive framework to manage, preserve, and extend the remaining wetland resources of the District; develop a well permitting scheme and establish a standard fee with which to cover the costs of the resources required to review a permit application; add requirements of the Pesticide Education and control Act of 2012 and update the Pesticide Regulations in 20 DCMR Chapters 22-25. **Completion Date: September, 2015.**

- **Performance Assessment Key: Partially Achieved.** All planned rulemakings for FY15 were published as either proposed or final, with the exception of two (wetlands regulations and DMV I/M program rulemakings). The Department promulgated 17 proposed or final rulemakings in total. The additional regulations were done to implement legislative mandates, including expanded polystyrene ban, the protection of air quality, and mold licensure.

Objective 4: Promote green business and job development.

INITIATIVE 4.1: Coordinate with Sustainable DC agencies to promote green businesses and job development

DOEE will work with the Department of Small and Local Business Development, the Deputy Mayor for Planning Economic Development, and other District Government agencies to promote and provide guidance to new and existing green businesses in the District. DOEE will also continue to administer the Mayor's Sustainability Awards recognizing businesses—along with organizations and individuals—for their commitment to environmental practices. When appropriate, DOEE will share stories of green businesses with the District-wide sustainability community. **Completion Date: September, 2015.**

- **Performance Assessment Key: Fully Achieved.** The Smarter DC Challenge was launched in March 2015. As of September 2015, the Challenge had 114 fully registered participants who completed 911 sustainable activities in the categories of energy, education and outreach, purchasing, water, transit and travel, waste and recycling, health, and pollution prevention. The application period for the District's Sustainability Awards opened on June 12



and closed on August 30, 2015. Winners have been selected and the awards ceremony will take place on December 14, 2015, at the Royal Danish Embassy.

KEY PERFORMANCE INDICATORS-Office of the Director

	KPI	Measure	FY 2014 YE Actual	FY 2015 YE Target	FY 2015 YE Revised Target	FY 2015 YE Actual (KPI Tracker)	FY 2015 YE Rating (KPI Tracker)	Budget Program (KPI Tracker)
●	2.1	Percent of subgrantee's budget spent on programmatic costs	76%	65%		87.06%	133.94%	Agency Management Program
●	2.2	Percent of scheduled monitoring reports as defined in agency monitoring plan completed for each grant award	99%	100%		100%	100%	Agency Management Program

Urban Sustainability Administration (USA)

OBJECTIVE 1: Increase the understanding and adoption of innovative sustainability practices, including climate change adaptation, within DOEE, the District Government, and the community (One City Action Plan Actions 1.4.1, 1.4.4, and 3.6.1).

INITIATIVE 1.1: Raise resident awareness of, support of, and engagement in Sustainable DC and related sustainability initiatives. (Sustainable DC Plan Equity and Diversity Actions 2.1 and 2.2, Age-Friendly DC Goal: Domain # 4). DOEE will continue to increase the number and diversity of sustainability outreach. In addition to growing existing programs such as the Sustainable DC Ambassadors and monthly newsletter, USA will partner with other agencies and nongovernmental organizations to expand outreach to additional constituencies and currently underserved neighborhoods. USA will also develop new business and neighborhood challenges and promote accomplishments of local sustainability champions. **Completion Date: September, 2015.**



- **Performance Assessment Key: Fully Achieved.** DOEE along with the Office of Planning recruited and trained 51 volunteer ambassadors that reflect the District's racial and geographic diversity. The ambassadors and Sustainable DC staff represented Sustainable DC at 127 events across the city. DOEE continued to develop an accessible, entertaining monthly newsletter, which in FY15 grew by over 1,300 new subscribers (a 35% increase). Sustainable DC sends multiple tweets daily along with less regular Facebook posts. DOEE also recently updated the Sustainable DC website to make it easier to find priority information. Sustainable DC staff worked with RiverSmart Homes to launch its first neighborhood level challenge, Hickey Run Heroes, in which residents in the Hickey Run Watershed in Ward 5 were encouraged to participate in DOEE's stormwater management program. Over 200 households participated in the challenge.

INITIATIVE 1.2: Monitor and make publicly available the progress of Sustainable DC Plan while coordinating with District agencies to ensure appropriate progress is being made. (Sustainable DC Plan Governance Actions 1.1 and 1.2, Climate and Environment Action 1.1, and Transportation Action 4.5). DOEE will continue to coordinate with the 27 government agencies involved in the Sustainable DC Plan and track progress of the 143 actions. USA will enhance the data it is collecting with outside data to better understand and communicate District sustainability levels. Progress will be promoted through a publicly accessible report as well as an online dashboard. **Completion Date: September, 2015.**

- **Performance Assessment Key: Fully Achieved.** DOEE along with the Office of Planning published the 2015 Sustainable DC Progress Report. The report was release on Earth Day 2015 and updates the public on the progress the District is making on each of the 143 action items. DOEE and the Office of Planning met with the lead agency for each action item and utilized the information gained to complete the report. As of the April progress report release, 85% of Sustainable DC actions were underway and another 8% are complete.

INITIATIVE 1.3: Develop new and strengthen existing partnerships with the private sector and communities across the District. (Sustainable DC Plan Governance Actions 1.4, 1.5, and 1.6, Built Environment 2.6 and 3.4, and Transportation Actions 3.3 and 4.2). DOEE will expand sector challenges, focusing particularly on office tenants as part of the DC Smarter Business Challenge as well as the health sector. Building on a pilot neighborhood challenge, USA will launch additional targeted challenges with neighborhood groups or within schools. USA will also focus on working with private partners to incorporate district-level systems. Specifically, it will work with a consultant to study three projects representing different sectors and neighborhoods in the District. USA will also work private businesses and organizations to develop programs to promote sustainable behavior within their members and employees. In terms of government agencies, USA coordinate with District agencies to develop and fund innovative pilot projects supporting the Sustainable DC Plan through the Innovation Challenge. **Completion Date: September, 2015.**



- **Performance Assessment Key: Fully Achieved.** DOEE engaged 114 private and public sector partners through the Smarter DC Challenge. The Challenge focused on office tenants and will expand to other sectors in future years. The Smarter DC Challenge provided fun and engaging trainings and programs to teach participants about sustainability. Further, Sustainable DC Sector Pledges have continued with universities, health care providers, and international institutions. Tailored trainings and networking sessions were held throughout the year. DOEE also assisted in strengthening the sustainability of economic development projects with its green building team and through a leadership role in the District's three EcoDistrict sites. The first neighborhood challenge, Hickey Run Heroes, was successful with over 200 participants.

OBJECTIVE 2: Implement strategic components of the Sustainable DC Plan and initiate discussions for those actions not yet ready for implementation.

INITIATIVE 2.1: Advance climate change mitigation and adaptation planning (Sustainable DC Plan Climate and Environment Actions (Sustainable DC Plan Climate and Environment Actions 1.2, 1.3, 2.1, and 2.4 and Transportation Action 1.4). DOEE will finalize the climate mitigation plan to reduce greenhouse gas emissions by 50% by 2032 and complete an update of the District's greenhouse gas emissions inventory for 2012 and 2013. DOEE will also manage the process to develop a citywide Climate Adaptation Plan that will assess the vulnerability of the District to the impacts of climate change including threats to energy, transportation and other critical infrastructure from flooding, extreme weather, and extreme heat. The Climate Adaptation Plan will also include recommendations for strategies and policies to improve the resilience of these systems. **Completion Date: September, 2015.**

- **Performance Assessment Key: Partially Achieved.** DOEE completed an update of the greenhouse gas inventory for 2012 and 2013, which was publicly reported through the Climate Disclosure Project and C40. A summary report will be released in FY16. DOEE also made substantial progress on the citywide Climate Adaptation Plan. An assessment of climate change impacts for the District was released, which will inform the recommended adaptation strategies. A draft plan will be complete in early FY16. DOEE has not been able to update the climate mitigation plan due to a lack of funding for the necessary technical analysis. Finally, in FY15, the District was recognized for its commitment to climate action planning and greenhouse gas reporting as one of the first 11 global cities to be fully compliant with the Compact of Mayors, an international agreement among the world's Mayors to demonstrate climate leadership in advance of the United Nations climate change negotiations in Paris in December 2015.

INITIATIVE 2.2: Develop strategies, partnerships, and incentives for reducing waste and increasing diversion waste (Sustainable DC Plan Water Action 1.3 and Waste Actions 1.3, 1.4, 2.1, 1.5, 3.4, and 3.5). DOEE will research national and international best practices to better manage District waste streams. To move new laws and policies to implementation, USA will work with other DOEE divisions, DPW, DGS, and private partners such as the Restaurant Association of Metropolitan Washington to research and promulgate regulations and



guidance. USA will investigate options to replace polystyrene containers, to implement electronics recycling programs and advance composting citywide. USA will continue work with stakeholder groups to develop regulations for construction and demolition debris programs. **Completion Date: September, 2015.**

● **Performance Assessment Key: Fully Achieved.** DOEE hosted a Zero Waste Summit on Earth Day which included speakers from Edmonton, BC, and Seattle, WA, and other leading waste and recycling experts to discuss how the District can better manage its waste streams. DOEE worked with DGS, DPW, and DC Water to investigate options to composting citywide and researched best practices as part of the process of promulgating regulations for electronic recycling legal requirements. The proposed rulemaking for the ban on expanded polystyrene for use in foodservice packaging was issued and business outreach associated with the ban is underway. The ban takes effect on January 1, 2016. Research commenced to inform promulgation of regulations for the recyclable and compostable foodservice packaging requirement scheduled to take effect on January 1, 2017. DOEE also met with stakeholders to discuss construction and demolition recovery programs and associated regulations.

INITIATIVE 2.4: 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; Sustainable DC Mayors Order Sections 6 and 8). DOEE will research and test new techniques in green building through Green Building Fund Grant Program projects, work of the Mayor's Sustainable DC task forces, networking with other leading cities, and running innovative pilot programs. Areas of study will include partnerships with the private sector to reduce energy use, retrofitting existing housing—particularly affordable housing—to be healthier and more efficient, and potential updates to existing legislation such as the Green Building Act. **Completion Date: September, 2015.**

● **Performance Assessment Key: Fully Achieved.** During the last year, seven grant projects were executed through the Green Building Fund Grant program. These projects include the conclusion of three studies. The Greening the Multiple Listing Service and the Green Appraisals studies educated professionals in order to transform the market and recognize the value of green single family homes and commercial buildings. The third study analyzed the data quality of the District's energy benchmarking program and provided tools to the Energy Administration to improve future reporting practices. The Smarter DC Challenge, an engagement platform to support behavior change and create more sustainable businesses was launched in FY15 after a successful strategic plan the prior year and will continue in FY16. A green finance study is examining the feasibility of creating a green bank for the District, revenue neutral carbon pricing, and incentives for deep green buildings. A microgrid study is analyzing the technical, financial, and regulatory opportunities and barriers for deploying resilient microgrid technology for public and private projects. Finally, the Multifamily Energy and Water Engagement Competition has launched an engagement program to decrease resource use in the residential market sector. Each of these studies engaged industry experts



and will result in verified data that will allow the District to make informed policy decisions including but not limited to the Green Building Act.

KEY PERFORMANCE INDICATORS-Urban Sustainability Administration

	KPI	Measure	FY 2014 YE Actual	FY 2015 YE Target	FY 2015 YE Revised Target	FY 2015 YE Actual (KPI Tracker)	FY 2015 YE Rating (KPI Tracker)	Budget Program (KPI Tracker)
●	1.1	Percentage of actions in the Sustainable DC Plan completed or under way	62%	65%		68.59%	105.52%	Policy and Sustainability
●	1.2	Number of businesses and institutions participating in sustainability pledges or challenges	203	300		614	204.67%	Policy and Sustainability
●	1.3	Number of LEED certified projects in the District (cumulative)	489	550		572	104%	Policy and Sustainability
●	1.4	Greenhouse gas emissions reductions from the 2006 baseline year to meet 2050 goal	14.8%	16%		23.31%	145.72%	Policy and Sustainability

Office of Enforcement (OE)

OBJECTIVE 1: Increase enforcement quality and activities in order to bring polluters into compliance with the District's environmental laws.

INITIATIVE 1.1: Improve the enforcement materials on DOEE's website. In FY15, DOEE will assure that quarterly enforcement statistics are posted for the public to view. OE will also make sure that all relevant statutes and regulations are available online. **Completion Date: September, 2015.**



- **Performance Assessment Key: Partially Achieved.** DOEE presented annual enforcement data on the agency website and began an evaluation of metrics that would more meaningfully reflect its enforcement activity. OE worked with each enforcement program across the agency to ensure that relevant statutes and regulations can be accessed by the public via each program's webpage.

INITIATIVE 1.2: Create and systematically build enforcement capacity within the agency.

This initiative will be accomplished by using OE's Quality Assurance professional—a new position—to systematically build enforcement capacity amongst and across the different divisions. This person will work with inspectors on training, multi-media inspections, Standard Operating Procedures, and more. **Completion Date: September, 2015.**

- **Performance Assessment Key: Fully Achieved.** DOEE added a new FTE to help build enforcement capacity across the agency. With her assistance, OE created and began implementation of an Enforcement Blueprint, which serves as a guiding document to enhance the Department's enforcement capacity. The Blueprint is a roadmap for building a more robust enforcement program by strengthening enforcement planning, improving the collection and use of enforcement data, and increasing enforcement efficiency and effectiveness. DOEE implemented the Blueprint in FY15 and undertook several capacity building steps. OE conducted an inspector training needs assessment and is in the process of completing a training plan, which details the types of training needed and whether it can be provided internally or externally. Additionally, OE drafted an agency-wide multi-media inspection strategy that establishes protocols for conducting cross-media inspections of facilities and also updated the Department's Enforcement Guidelines.








INITIATIVE 1.3: Increase the agency's involvement in environmental justice (EJ). This initiative will be accomplished in two ways: 1) considering an agency-wide EJ policy; and 2) researching how other cities have implemented the EJ component of the STAR Community Ratings System. **Completion Date: September, 2015.**

- **Performance Assessment Key: Partially Achieved.** DOEE evaluated how an agency-wide EJ policy could help incorporate EJ principles into program operations as a way to better aid minority, low-income and otherwise isolated constituents. This effort led to creation of a new EJ Workgroup that will review all agency activities and policies that could trigger environmental justice considerations. OE also collaborated with USA to conducted research on STAR Community Rating System (STAR) EJ criteria. OE is a proponent of using STAR as a framework for DOEE's EJ program, and at the conclusion of this research, the agency will be in a better position to determine the best path towards an enhanced EJ program. OE also enhanced the agency's involvement in EJ in a number of other ways in FY15: 1) OE reached out to states that are national leaders in EJ in an effort to build a more robust EJ program here in the District; 2) As DOEE's ambassador to the Diversity Action Team, OE played a lead role in authoring the Diversity Goal Management Strategy for the Chesapeake Bay Watershed Agreement; 3) OE increased the stringency and degree with which we conduct our



Environmental Impact Screening Form (EISF) EJ reviews, and the agency is using more up-to-date screening tools and stronger criteria to analyze proposed construction and renovation projects; and 4) OE coordinated with OCTO to create an interactive Limited-English Proficiency/No-English Proficiency map that serves as a useful decision-making tool for DOEE's programs.

KEY PERFORMANCE INDICATORS- Office of Enforcement

   	KPI	Measure	FY 2014 YE Actual	FY 2015 YE Target	FY 2015 YE Revised Target	FY 2015 YE Actual (KPI Tracker)	FY 2015 YE Rating (KPI Tracker)	Budget Program (KPI Tracker)
	1.1	Amount collected from fines and penalties	\$110,255	\$187,250		\$224,553.43	119.92%	Enforcement and Environmental Justice
	1.2	Compliance rate of enforcement actions processed.	85%	90%		50.21%	55.79%	Enforcement and Environmental Justice
	1.3	Number of Notices of Infraction processed by OE	132	177		274	154.8%	Enforcement and Environmental Justice

Office of Community Relations (OCR)

OBJECTIVE 1: Educate District residents, businesses, institutions and government through targeted public education campaigns to encourage environmentally-friendly and energy efficient practices.

INITIATIVE 1.1: Expand promotion of the Sustainable DC Plan (Sustainable DC Plan Equity and Diversity Action 2.1). In FY 15, DOEE will promote Sustainability through the agency website, participation in community events and posting information on social media in three outlets: Twitter, Facebook and YouTube. DOEE will also utilize paid advertising outlets to promote the Mayor's Sustainable DC Plan, as well as other initiatives including environmental school assemblies, the Anacostia River Sediment project, special events and general energy efficiency techniques for residential and commercial buildings. **Completion Date: September 2015.**



- **Performance Assessment Key: Fully Achieved.** DOEE continued to promote sustainability through the agency's website, Sustainable DC's website, Twitter, and Facebook. DOEE hired a community engagement and equity specialist to increase community engagement overall, but especially to people of color and Wards 5, 7, and 8. This specialist developed new partnerships with the community and participated in EOM neighborhood walk-throughs. DOEE developed 10 creative and engaging bus shelter advertisements that were placed throughout the District. The advertisements gave tips to residents about how to live a more sustainable life and promoted Sustainable DC.

INITIATIVE 1.2: Continue development of targeted outreach materials (Sustainable DC Plan Equity and Diversity Action 2.1).

In FY 15, DOEE will design and print promotional materials, and produce videos on specific energy efficiency and environmental topics that highlight accomplishments in the DC Sustainable Plan. **Completion Date: September 2015.**

- **Performance Assessment Key: Fully Achieved.** DOEE developed multiple print materials, including tips on how to be more sustainable at home and how the District ranks in terms of sustainability to other cities. These materials were made available at events attended by staff and Ambassadors, as well as on Sustainable DC's website. Materials also included a series of 10 transit stop posters on ways to be more sustainable that were up around the city in summer 2015. DOEE held a workshop for the auto services sector (the fifth workshop for this sector). DOEE filmed a dry cleaner/perchloroethylene training video for the Korean-American Drycleaners Association of Greater Washington. DOEE also conducted outreach to businesses for the "foam ban" which goes into effect on January 1, 2016.

INITIATIVE 1.3: Plan and implement community awareness special events (Sustainable DC Plan Equity and Diversity Action 2.1, Age-Friendly DC Goal: Domain # 7).

In FY 15, DOEE will coordinate and conduct inter-agency and community awareness events on the environment and sustainability such as Earth Day Celebration, All Hands, World Environment Day and table festivals. DOEE will also coordinate the agency's presence at high visibility events such as Adams Morgan Day, Senior Expo and the DC Housing Fair. **Completion Date: September 2015.**

- **Performance Assessment Key: Fully Achieved.** DOEE maintained a significant presence in communities across all eight wards and provided outreach and education at numerous annual events, community meetings, and special events throughout FY15. Notable events that DOEE had an agency presence at included multiple Earth Day celebrations, Anacostia River Festival, Community Health and Wellness Fair, Kingman Island Bluegrass Festival, Green Festival Expo, several neighborhood festivals, and numerous ANC meetings. Additionally, DOEE continued targeted outreach and education to children via the School Energy Patrol Program.



KEY PERFORMANCE INDICATORS-Office of Community Relations

 	KPI	Measure	FY 2014 YE Actual	FY 2015 YE Target	FY 2015 YE Revised Target	FY 2015 YE Actual (KPI Tracker)	FY 2015 YE Rating (KPI Tracker)	Budget Program (KPI Tracker)
	1.1	Percent of District residents reached by DOEE Outreach and Education Programs	64%	75%		47.06%	62.74%	Community Relations

Energy Administration (EA)

OBJECTIVE 1: Reduce the energy burden on the District’s most vulnerable and low income populations.

INITIATIVE 1.1: Establish processes to monitor and evaluate the effectiveness of LIHEAP and UDP. In FY 15, DOEE will implement processes to track and capture the number of households that receive financial assistance through the Low Income Home Energy Assistance Program (LIHEAP) and the Utility Discount Program (UPD). DOEE will develop a new LIHEAP Benefit Matrix to ensure that financial assistance is provided to those households with the greatest energy burden. DOEE will also add new components to the current LIHEAP database to facilitate more robust tracking and analyses of the number of households that avoided disconnections as a result of receiving LIHEAP benefits, and the number of households that had their utility services restored as a result of receiving LIHEAP benefits. DOEE will continue to work collaboratively with the natural gas, electric and oil companies to ensure that residents receive their LIHEAP and UDP benefits in a timely manner, and to collect additional data that will facilitate effective evaluation of both LIHEAP and UPD. **Completion Date: September, 2015.**



Performance Assessment Key: Fully Achieved. In FY15, DOEE worked with the software developer for the Low Income Home Energy Assistance Program (LIHEAP) database to not only enhance the data being captured and tracked when applications are processed, but also to develop an online portal for customers to submit LIHEAP applications online. DOEE



developed the capability to track and capture demographic and household data from energy assistance benefit recipients, including those who were disconnected prior to receiving assistance. Additionally, agreements were reached with the utility companies to provide data on household energy usage to allow a determination of the impact on the energy burden as a result of LIHEAP energy assistance. DOEE ensured commitments were made to the utility accounts of LIHEAP recipients, and that payments were made to the utility companies on behalf of these customers within a timely manner. No changes were made to the LIHEAP benefit matrix, based on an independent study by an approved US Health and Human Services' (HHS) consultant that determined the LIHEAP benefit matrix was providing the greatest benefit to households with the highest energy burden.

INITIATIVE 1.2: Improve program coordination among DC Government agencies and the DC SEU to increase the number of District homes weatherized annually (Age-Friendly DC Goal: Domain # 3). In FY 15, DOEE will coordinate with the District Department of Housing and Community Development, The District of Columbia Housing Authority, and the District of Columbia Sustainable Energy Utility to leverage additional funding and technical assistance to provide comprehensive weatherization retrofits (whole-house improvements) to an expanded number of low-income households. DOEE will work with these organizations to address the split-incentive problem that is germane to low-income multi-family housing where residents as renters and the owners of the buildings have no direct incentive to make energy improvements. DOEE will also analyze LIHEAP data to prioritize weatherization assistance to those low-income households consisting of the elderly over 65 years of age, disabled, or small children under the age of 5 years. **Completion Date: September, 2015.**

● **Performance Assessment Key: Fully Achieved.** In FY 15, DOEE, in collaboration with the DCSEU and the District of Columbia Housing Authority, provided energy efficiency improvements to a 273 unit low income multifamily complex. DOEE provided information and education regarding the measures being installed and the associated benefits, to address the split-incentive problem. DOEE administered an emergency heating system program, in which the elderly, disabled, and homes with small children were prioritized. Additionally, a pilot program developed in collaboration with the DCSEU to provide solar systems and energy efficiency retrofits to fifty households receiving LIHEAP energy benefit assistance. This program will be deployed in FY16.

INITIATIVE 1.3: Launch a citywide educational campaign to promote energy efficiency programs and energy-efficient practices. (Sustainable DC Plan Equity & Diversity Action 1.6) In FY 15, DOEE will leverage the outcomes of the Comprehensive Energy Plan to promote energy education and energy-efficient practices that drive behavior modification and lead to permanent reductions in the consumption of energy. DOEE will provide hands-on training and educational materials to schools, residents and businesses on how to conduct walk-through audits to identify energy saving opportunities and measures that can be installed to help minimize their energy use. DOEE will also provide do-it-yourself weatherization packages and live demonstrations or video workshop to all LIHEAP and UPD participants prior to processing



applications for energy assistance. DOEE will forge partnerships with low-income and social service providers and other community stakeholders to leverage energy efficiency resources and facilitate enhanced awareness of energy programs and services offered in the District. DOEE will also participate in a marketing campaign with Sustainable DC urging residents to use less energy and make their homes more energy efficient. **Completion Date: September, 2015.**

- **Performance Assessment Key: Partially Achieved.** The Comprehensive Energy Plan was still under development under a new consulting team in FY15. DOEE continued its successful Energy Patrol Program with a strong presence in the schools. DOEE provided hands-on training and educational materials to schools, as well as energy reduction kits to residents to demonstrate low and no cost ways to reduce energy consumption in the home. DOEE participated in community events to provide information as it relates to making homes more energy efficient. DOEE partnered with various community groups, stakeholders, and working groups to promote energy efficiency resources, practices, and services offered in the District. DOEE also partnered with the DCSEU to provide resources as part of its marketing campaign to promote energy efficiency.

OBJECTIVE 2: Reduce overall energy consumption and increase the use of renewable energy generated in the District.

INITIATIVE 2.1: Continue implementing the recommendations put forward in the multi-year Sustainable DC Plan and the District’s Comprehensive Energy Plan (Sustainable DC Plan Energy Actions 1.5, 1.6, 2.3, and 3.1; Transportation Action 4.3). Starting in 2013, the Energy Administration (EA) began implementing some of the recommendations identified in the Energy section of the multi-year Mayor’s Sustainable DC Plan (SDC Plan). In FY 15, the EA will continue spearheading a coordinated effort to help the District achieve the goals and targets put forward in the SDC Plan, as well as those identified in the Comprehensive Energy Plan. The EA will promote policies and strategies that facilitate an integrated approach to whole-building energy improvements, electric vehicle infrastructure, and develop programs that provide technical and financial assistance to help residents and businesses use less energy and generate their own cleanly. The EA will continue to engage District agencies, special interest groups, community stakeholders and the general public to encourage the widespread adoption of energy-efficient practices, increased use of clean energy, and increased compliance with the new Green Construction Codes that will improve the performance of new and renovated buildings. Part of this will be accomplished via a resident-focused marketing campaign in partnership with Sustainable DC. **Completion Date: September, 2015.**

- **Performance Assessment Key: Partially Achieved.** DOEE engaged District agencies, special interest groups, and community stakeholders to encourage the widespread adoption of energy-efficient practices and increased use of clean energy. DOEE was also successful in repurposing US Department of Energy’s State Energy Program (SEP) funds to promote and host for the first time in the District, the Washington DC Electric Vehicle Grand Prix (EV Grand Prix). The EV Grand Prix is an annual competition that challenges high school students in



Maryland, Virginia, and the District of Columbia to construct and race battery-powered electric cars by applying engineering, science, math principles, and strategy. DOEE also retained a team of energy consultants to complete and communicate a revised Comprehensive Energy Plan (CEP) that would focus on a smaller set of bold and prioritized actions and strategies to meet the District's energy goals within a 5-year period. The revised CEP will explicitly support other relevant plans, targets, and initiatives, such as the long term targets established in the Sustainable DC Plan. A final draft of the revised CEP will be completed in FY16.

INITIATIVE 2.2: Provide \$25 million in funding annually for energy efficiency and renewable energy projects. (Sustainable DC Plan Energy Actions 1.4 and 3.3). This multi-year initiative was started in FY14 as a result of one of the action items advanced in the Sustainable DC Plan to help the District meet its energy efficiency and renewable energy goals. In FY 15, DOEE will help manage, coordinate and leverage funds from the Renewable Energy Development Fund, DC Sustainable Energy Utility, District of Columbia State Energy Program, Low Income Home Energy Assistance Program, Weatherization Assistance Programs, and DC Property Assessed Clean Energy Program to complete at least \$25 million dollars of energy efficiency and renewable energy projects across the District. DOEE will also explore practical opportunities for the District to access additional capital to support large-scale energy efficiency projects, microgrids, and distributed energy systems that can improve the reliability of electricity supply. **Completion Date: September, 2015.**



Performance Assessment Key: Fully Achieved. DOEE managed, coordinated, and leveraged more than \$26 million to fund energy efficiency and renewable energy projects across the District in FY15, providing more than \$94.25 million in lifetime energy savings to residents and businesses. Most of the renewable energy and energy efficiency retrofits were completed by the DCSEU that operates under contract to DOEE. In February 2015, DOEE and the DCSEU launched the Solar Advantage Plus Program that provided for the purchase and installation of solar photovoltaic (PV) systems on eligible single family homes in the District. The DCSEU provided rebates to qualified solar installers, on behalf of eligible homeowners, to install solar PV systems at no cost to the homeowner. Additionally, the District Property Assessed Clean Energy Program (DC PACE) successfully recruited and financed 2 energy efficiency and renewable energy projects that resulted in more than \$850,000 being issued to qualified property owners to help reduce the energy consumption of their buildings.

INITIATIVE 2.3: Implement innovative energy data disclosure protocols and increase enforcement of the District's energy benchmarking laws (Sustainable DC Plan Energy Action 1.1). In FY 15, DOEE will continue to improve the Building Energy Benchmarking Program with a focus on increased data quality, accuracy, and transparency. DOEE will implement a comprehensive in-house technical assistance and enforcement strategy that increases the quality and completeness of benchmarking reports, as well as the overall compliance rate of those that are required to submit annual reports. DOEE will work with the District Department of General Services , the US Department of Energy (US DOE), and other stakeholders to



provide access to DOEE's benchmarking data via easy-to-use map interfaces so third-party applications and interested individuals can easily manipulate the data and developed customized reports. DOEE will also continue to coordinate the District's participation in US DOE's Better Buildings Challenge and work closely with the Downtown DC Business Improvement District, the Smarter Business Challenge, and the DC SEU to promote energy improvements in private buildings. **Completion Date: September, 2015.**

- **Performance Assessment Key: Fully Achieved.** DOEE successfully implemented an in-house Benchmarking Help Center to assist the regulated community with benchmarking compliance. In FY15, the Help Center fielded over 1,500 requests from building owners and managers, and provided technical assistance to help building owners accurately submit their energy and water consumption data via a Portfolio Manager. DOEE also increased the completeness and quality of the data submitted by working collaboratively with building owners to reduce the percentage of incomplete and/or inaccurate reports. DOEE, in collaboration with New York University, conducted a comprehensive review of the quality of benchmarking data submitted, and proposed new methods for further improving data quality. DOEE also worked closely with the DCSEU, DGS, the Downtown DC Business Improvement District, and the Smarter DC Challenge to utilize the energy benchmarking data to promote greater energy savings. DOEE also took effective enforcement actions against building owners that failed to submit mandatory reports for calendar years 2013 and 2014. Notices of Violations (NOVs) were issued to 345 building owners for failure to submit calendar year 2013 reports. Of the 345 NOVs issued, 55 resulted in Notices of Infractions (NOIs) or "fines" for failure to submit the required reports before the expiration of the NOVs. In August 2015, DOEE mailed 486 NOVs to noncompliant building owners for failure to submit calendar year 2014 benchmarking data by April 1, 2015. As a result of the enforcement actions, the compliance rate for calendar year 2013 increased from 70% to 86%, and the compliance rate for calendar year 2014 reached 80%.

INITIATIVE 2.4: Develop, coordinate and implement building energy performance initiatives and standards (Sustainable DC Plan Energy Action 1.1 and 1.2). In FY 15, DOEE will continue to spearhead the efforts of the Building Energy Performance Standards Task Force to develop cohesive policies and programs aimed at driving investment in cost-effective energy performance improvements in existing buildings and transform the manner in which buildings are constructed in the District. These standards will be developed with the objective of significantly reducing energy consumption, greenhouse gas emissions, spur local job creation, and stimulate economic development across the District. DOEE will also work with DGS to develop additional features to the existing BuildSmartDC.com site to accurately track District government's progress against established energy and water performance targets. **Completion Date: September, 2015.**

- **Performance Assessment Key: Fully Achieved.** The work of the Building Energy Performance Standards Task Force was completed in December 2014 and published. Evaluation of how to best implement these recommendations is ongoing and will likely be a component of the new



Comprehensive Energy Plan. The revised BuildSmartDC.com unveiled by the DGS in FY15 better tracks the progress of District buildings and total energy savings.

INITIATIVE 2.5: Accelerate the deployment of solar technologies throughout the District. (Sustainable DC Plan Energy Action 1.4, 2.3 and 3.4). In FY 15, DOEE will utilize available Renewable Energy Development Funds to implement a suite of innovative solar initiatives, including direct financial rebates and incentives to residents and businesses, to reduce the overall costs of installing solar thermal and photovoltaic energy systems of their facilities. DOEE will also pursue clean energy innovation grants funded by the US Department of Energy to support local educational and workforce development activities. DOEE will coordinate with the DC SEU and local solar installers to provide a range of opportunities to train District residents on how to install and maintain renewable energy systems. DOEE will continue to support regional efforts led by the Metropolitan Washington Council of Governments to streamline solar permitting and interconnection processes to further drive down the soft costs of installing solar technologies. DOEE will also coordinate with the District Department of Consumer and Regulatory Affairs and the District of Columbia Public Service Commission to track and verify proper installation and operation of renewable energy systems. **Completion Date: September, 2015.**

● **Performance Assessment Key: Fully Achieved.** DOEE utilized available Renewable Energy Development Funds to implement a successful residential solar program that provided for the purchase and installation of solar photovoltaic (PV) systems on the homes of low-income at no cost to the homeowner. The program, referred to as “130 roofs in 250 days” was implemented in collaboration with the DCSEU. As of September 30, 2015, a total of 137 homes, mostly in Wards 7 and 8, received a solar PV system that were fully interconnected to Pepco’s Distribution grid. The DCSEU also implemented an externship program, wherein District residents were placed with and received on-the-job training from local solar companies, and developed significant skills in solar installation. DOEE also continued to work with MWCOG as part of its initiative to address the balance of system costs related to solar installation, and maintained an open dialogue with DCRA, Pepco, the DCSEU and the PSC to track the installation, permitting, inspection, interconnection, operation and registration of solar photovoltaic systems. As a result of this collaborative effort, the turnaround time to install, permit and fully interconnect solar PV systems was significantly reduced.

INITIATIVE 2.6: Improve DC SEU implementation and collaboration strategies (Sustainable DC Plan Energy Action 1.4, 2.3 and 3.4). In FY 15 DOEE will continue to administer the DC SEU contract and improve program coordination to ensure that the DC SEU plays an integral role in advancing the District’s energy efficiency and renewable energy goals. DOEE will work with the DC SEU to strengthen its management structure, develop more market transformation programs and transparent reports, overcome challenges to program optimization, and ensure an equitable share of program offerings to all electricity and natural gas ratepayers. DOEE will also work with the DC SEU to align community outreach elements of Sustainable DC Plan and the Comprehensive Energy Plan that can best benefit from a unified approach to educate the



public about why energy efficiency is important, both economically and environmentally.
Completion Date: September, 2015.

- **Performance Assessment Key: Fully Achieved.** During FY15, DOEE continued to effectively administer the contract with the DCSEU. DOEE provided advice and guidance to the DCSEU with the objective of maximizing the achievements of the DCSEU's energy efficiency and renewable energy programs. DOEE sought to increase the capacity of the DCSEU in FY15, and encouraged additional leveraging efforts by the DCSEU. As a result, the DCSEU successfully administered a Weatherization grant, bid energy efficiency savings into PJM which will generate revenue for DCSEU programs, and DOEE provided additional funds from the Renewable Energy Development Fund to increase the number of solar installations on single family homes in the District. The DCSEU adhered to the spending requirements of the contract as it relates to funds sourced from the electric and natural gas utility companies. DOEE worked collaboratively with the DCSEU on many joint activities and community events throughout the year. DOEE also played a vital role in helping the DCSEU build a strong working relationship with the Department of Housing and Community Development that resulted in an increased number of homes utilizing clean, renewable solar energy.

OBJECTIVE 3: Enhance reliability, resiliency and environmental performance of energy systems in the District

INITIATIVE 3.1: Promote localized generation and distributed energy systems to improve the quality and reliability of electricity supply. (Sustainable DC Plan Energy Actions 2.2, 3.2 and 3.3). In FY 15, DOEE will develop policies and seek funding opportunities to promote the adoption of distributed energy systems to increase the reliability and resiliency of centralized electricity grid. DOEE will commission an independent feasibility study to explore the practicality of installing microgrids, and combined heat and power systems in the District. DOEE will continue to support programs that reduce peak demand, and participate in the Public Service Commission's Advanced Metering Infrastructure Task Force that monitors the installation of smart meters, as well as educate residents about the benefits of smart meters and smart grid infrastructure. DOEE will also monitor the progress of Pepco and the District Department of Transportation Power Line Undergrounding initiative. **Completion Date: September, 2015.**

- **Performance Assessment Key: Fully Achieved.** DOEE is conducting an independent feasibility study of microgrids and district energy in the District. DOEE has also advocated for microgrid development as part of the Exelon-PHI merger settlement negotiations. DOEE jointly applied, with DC Water, for a competitive DOE grant for a sewer heat recapture feasibility study in the District, also as part of promoting the adoption of distributed energy systems. DOEE has continued to participate in the Advanced Metering Infrastructure Task Force to help monitor the progress of AMI installation and help educate DC ratepayers on the benefits of AMI. DOEE has also successfully monitored the progress of the Power Line Undergrounding Initiative. DOEE has identified a number of initiatives and policies that will help promote the adoption of



distributed energy systems, increase the reliability and resiliency of the grid, and reduce peak demand. These include establishing an Energy Efficiency Portfolio Standard, including storage and CHP as Tier 2 sources under the Renewable Portfolio Standard, and developing a more robust demand response program including the use of time-of-use rates. DOEE has also played a key role in participating in the Public Service Commission's Formal Case 1130, Modernizing the Energy Delivery System for Increased Sustainability. DOEE provided comprehensive comments on the scope of the proceeding with respect to the components of planning, technology, and policy. DOEE also presented a baseline picture of current energy goals and challenges in the District, and identified stakeholders with similar or identical interests and goals, and engaged those stakeholders.

INITIATIVE 3.2: Update and continue implementation of the District's Energy Assurance Plan (Sustainable DC Plan Energy Action 3.2).

In FY 15, DOEE will update and continue implementation of the District of Columbia Energy Assurance Plan (EAP) to ensure that DOEE, and the District in general, can respond to energy emergencies and promote the resiliency of the District's energy systems to reduce vulnerabilities. DOEE will help coordinate the flow of information regarding an energy emergency, and collaborate with the District Department of Homeland Security's Emergency Management Agency, energy suppliers and distributors to determine the severity of an energy event and the types of measures to be implemented. DOEE will continue to work with the Metropolitan Washington Council of Governments and the National Association of State Energy Officials to update the regional plan for Emergency Support Function #12 and strengthen DOEE's energy assurance planning activities. DOEE will also participate in regional exercises to explore potential weak points and opportunities in the District's response to energy emergencies, and will conduct regular trainings for District Emergency Liaison Officers.
Completion Date: September, 2015.

- **Performance Assessment Key: Fully Achieved.** DOEE updated and continued to implement the Energy Assurance Plan. An internal Standard Operations Plan was developed for its Emergency Liaison Officers (ELO), and additional ELOs were recruited and trained. DOEE successfully participated in several activations of the Emergency Operation Center during FY15 and fulfilled its role as the lead Emergency Support Function #12 (Energy). Additionally, DOEE participated in numerous workshops facilitated by MWCOG and the National Association of State Energy Officials to update the regional energy assurance plan and strengthen DOEE's activities.

INITIATIVE 3.3: Expand and implement DC MAP to lower energy costs for participants.











The District of Columbia Municipal Aggregation Program (DC MAP) combines the purchasing power of the District Government, with other District electric accounts to reduce the overall cost of electricity. In FY 15, DOEE will continue to work with the District Department of General Services to expand DC MAP and bring additional private commercial and residential customer into the program. DOEE will significantly increase outreach, education, and recruitment efforts to help residents and businesses understand the benefits of bulk



purchasing of electricity and increase the District's commitment to purchasing 100 percent clean energy through DC MAP. **Completion Date: September, 2015.**

- **Performance Assessment Key: Fully Achieved.** DOEE met its goal in FY15 by successfully procuring a contractor to implement the expansion of DC MAP, with the goal of reaching out to residential and non-profit customers through education and stakeholder engagement. Under DOEE's oversight, the contractor designed a survey of potential outreach targets, and in FY16, the contractor will conduct the survey and outreach through engagement and education.

KEY PERFORMANCE INDICATORS-Energy Administration

   	KPI	Measure	FY 2014 YE Actual	FY 2015 YE Target	FY 2015 YE Revised Target	FY 2015 YE Actual (KPI Tracker)	FY 2015 YE Rating (KPI Tracker)	Budget Program (KPI Tracker)
	1.1	Number of low-income units weatherized	190	220		398	180.91%	Energy
	1.2	Estimated average reduction (%) in energy consumption per unit weatherized	37%	10%		4.5%	45%	Energy
	2.1	Increase in generation capacity resulting from PV installations	0	2,300		2467	107.26%	Energy
	2.2	Increase in production capacity resulting from Thermal installations	0	180		486.12	270.07%	Energy
	2.3	Number of buildings reporting ENERGY STAR benchmarking data to DOEE	1438	1,600		1418	88.63%	Energy
	2.4	Number of green-collar jobs in the District	20.85	88		33.38	37.93%	Energy



●	2.5	Rate of expenditure of DCSEU contract	16.7%	100%		100%	100%	Energy
●	2.6	Percent of renewable energy usage	12.9%	13.5%		13.02%	96.45%	Energy
●	2.8	Number of solar installations incentivized for renewable energy	0	522		151	28.93%	Energy
●	2.9	Compliance rate of Energy Benchmarking	64%	85%		83%	97.47%	Energy

Environmental Services Administration (ESA)

OBJECTIVE 1: Transform DC residential housing into homes that do not contain environmental health hazards (Age-Friendly DC Goal: Domain # 3).

INITIATIVE 1.1: Expand DC Partnership for Healthy Homes to increase its impact and accelerate the elimination of environmental health hazards in homes that can most benefit from it (Sustainable DC Plan Built Environment Action 3.2, Age-Friendly DC Goal: Domain # 3). DOEE chairs the DC Partnership for Healthy Homes, which includes a number of sister agencies and private sector partners. In FY 15, the Partnership will begin new relationships with additional public and private sector partners that will result in an expansion of the Partnership. This expansion will permit the identification of an increased number of homes where vulnerable populations live, such as children with asthma or lead poisoning, pregnant women, and senior citizens. **Completion Date: September, 2015.**

● **Performance Assessment Key: Fully Achieved.** DOEE expanded membership in the Partnership by successfully recruiting additional private sector partners, specifically: Bread for the City, Health Leads, and two of the District's Managed Care Organizations (Amerihealth and MedStar).

INITIATIVE 1.2: Begin assessing fines and penalties for non-compliance with the District's lead laws, thereby increasing the number of homes where lead-based paint hazards are effectively eliminated. (Sustainable DC Plan Built Environment Action 3.2) DOEE will focus on increasing compliance with the District's lead laws by assessing fines and penalties for non-compliance. This should result in a dramatic increase in the rate of compliance with the District's lead laws, both by those already in receipt of a Notice of Violation, who will want to avoid additional fines for continued non-compliance, and by those who have not received a Notice of Violation, but have heard that fines/penalties are now being assessed and wish to avoid them. The projected increase in compliance translates into more housing being made



lead safe by property owners and managers, along with a decrease in lead-based paint hazards being generated by contractors who are less likely to fail to comply with the District's requirement of lead-safe work practices. **Completion Date: September, 2015.**

- **Performance Assessment Key: Partially Achieved.** During FY15, DOEE issued 25 Notices of Infraction ("Notices") to property owners and contractors, each of which imposed a fine. Out of those 25 Notices, 10 were reissued by OAH for failure to comply with DOEE's initial Notice, potentially creating increased penalties for recipients. DOEE will continue its practice of issuing such Notices in cases of serious violations of the District's lead laws/regulations, and as it does so, the expectation is that an increase in compliance will ultimately be measurable.

OBJECTIVE 2: Improve the design, implementation, and enforcement of emission control programs to reduce air pollution.

INITIATIVE 2.1: Enhance Anti-Idling Efforts in the District (Sustainable DC Plan Transportation Action 4.1). District regulations limit the idling of gasoline- and diesel-powered motor vehicles to 3 minutes, with a few exceptions. Of the air pollution created in the District, approximately half is from the driving and idling of motor vehicles, with an additional 20% from non-road engines such as construction and landscaping equipment. While multiple District agencies, primarily DOEE's Air Quality Division, have enforced the idling regulation for many years. In FY 15, DOEE will continue its enhanced anti-idling effort. DOEE will implement a plan to conduct enhanced outreach to fleet and commercial vehicle owners that operate within the District. These efforts will include vehicles owned or operated by U.S. government and District government agencies. In addition, DOEE will continue to develop a regulation limiting the idling of non-road engines. **Completion Date: September, 2015.**

- **Performance Assessment Key: Partially Achieved.** In FY15, DOEE conducted 236 engine idling inspections, including scheduled inspections based on priority areas previously identified, ad-hoc inspections, and inspections in response to complaints from District residents. DOEE developed new outreach material, e.g., brochures, outreach business cards, key chains, etc., and conducted outreach meetings with sister agencies and regulated entities that control large vehicle fleets. DOEE organized an outreach event with the director and media, where many agency-wide inspectors on bicycle and on foot distributed an engine idling business card to bus drivers along the mall (one of the key priority areas for engine idling in the District). Working with OUC, DOEE expanded the District's 311 online system to include "engine idling" as a reporting option, creating a new method for District residents to report engine idling violations or concerns. Additionally, DOEE proposed a regulation limiting the idling of non-road engines, which was finalized in November 2015. This initiative will be fully achieved when DOEE reaches out to Federal government regarding idling in the first quarter of FY16.

INITIATIVE 2.2: Implement Source Category Permit Program. DOEE issues over 200 Chapter 2 (i.e., minor source) permit applications each year, and a typical permit is approximately five pages long. Many of the applications received and permits issued fall into a small number of



source categories, such as auto body shop paint booths. In FY 15, DOEE will implement the recently completed general permit for perchloroethylene drycleaners, issuing it to the approximately 50 such dry cleaners in the District. In addition, DOEE will complete development of the general permit for gasoline stations and begin issuing the permits to the stations. **Completion Date: September, 2015.**

- **Performance Assessment Key: Partially Achieved.** In FY15, DOEE staff visited 16 dry cleaner facilities and communicated the requirement to apply for coverage under the source category permit, and provided applications. The response to these efforts resulted in four applications, all of which were processed and approved. DOEE began development of a source category permit for gasoline stations, but source category permit program priorities shifted during the year to emergency generators and other stationary emergency engines. These engines are greater in number in the District and emit oxides of nitrogen (NOx), which is greater pollutant of concern in our area. As a result of this shift in priorities, DOEE issued four emergency engine source category permits that will cover most of these engines in the District.

OBJECTIVE 3: Return District lands to productive use by effectively managing brownfields and underground storage tanks.

INITIATIVE 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 15, DOEE will finalize VCP guidance documents that will be reviewed by the regulated community. The end result of this process will be a more streamlined process that will allow District owners and developers to realize cost savings by working with District staff for a more effective corrective action plan approval and oversight process. **Completion Date: September, 2015.**

- **Performance Assessment Key: Partially Achieved.** DOEE completed a draft of a VCP guidance document. The guidance document was not finalized in FY15 because it was drafted according to regulated-community-suggested statutory amendments that were not adopted by the end of FY15. DOEE is ready to circulate the guidance document for stakeholder approval upon adoption of the statutory amendments.

INITIATIVE 3.2: Upgrade the Underground Storage Tank abandoned tank program to identify and perform possible site assessments on potentially contaminated properties (Sustainable DC Plan Waste Action 2.2 and 2.3). In FY 15, DOEE will document and physically identify sites where potential abandoned underground storage tanks are located. Depending on the location, the UST branch may be able to perform an initial site assessment and categorize particular sites as clean or containing possible contamination. **Completion Date: September, 2015.**

- **Performance Assessment Key: Partially Achieved.** DOEE reinitiated the unknown tanks (abandoned USTs) project in FY15. With support from EPA, DOEE dedicated staff to conduct research and develop a list of unknown tanks. Site inspections were completed of all the



remaining listed federally-regulated sites that used gasoline or diesel fuel, and enforcement directives were issued to the current owners. Owners were given 45 days to respond to DOEE to either show proof that their UST(s) was permanently closed or apply for a permit and inspection to remove it from the ground. A few tanks on the unknown list have since been removed from the ground and our database has been updated. The standard UST closure assessment protocol is being followed to ensure the soil below the tank is assessed for petroleum contaminants of concern. Evidence of contamination above our standards will result in the opening of a leaking UST (LUST) case for comprehensive site assessment and correction action towards cleanup and case closure.

INITIATIVE 3.3: Continue implementation of the Pesticide Education and Control Amendment Act of 2012 (Sustainable DC Plan Water Action 1.2). In FY 14, DOEE drafted regulations in accordance with the Pesticide Education and Control Amendment Act of 2012. DOEE plans to review all comments in FY 15 and complete implementation of this act by educating District trained pesticide applicators on new reporting requirements and meeting with District owned properties to discuss integrated pest management. **Completion Date: September, 2015.**

● **Performance Assessment Key: Partially Achieved.** IPM regulations were completed and education of pesticide applicators started in FY15. DOEE also started to focus on working with child care centers in the District as they are a high priority location for implementing IPM. Development of outreach materials for the general public and efforts to fully complete implementation of the act will continue into FY16.

KEY PERFORMANCE INDICATORS-Environmental Services Administration

	KPI	Measure	FY 2014 YE Actual	FY 2015 YE Target	FY 2015 YE Revised Target	FY 2015 YE Actual (KPI Tracker)	FY 2015 YE Rating (KPI Tracker)	Budget Program (KPI Tracker)
●	1.1	Percent 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	95%	100%		82.69%	82.69%	Environmental Services



		assessment						
●	1.2	Percent of children under 36 months of age that are being screened for lead poisoning	60%	65%		44.81%	68.93%	Environmental Services
●	1.3	Number of cases of children under age six identified with a blood lead level at or above the Center for Disease Control's current reference value of 5 micrograms of lead per deciliter of blood	153	370		225	164.44%	Environmental Services
●	1.4	Confirmed EBLLs as % of District children tested, as compared to national average	.01	0.5		1.5%	33.33%	Environmental Services
●	2.1	Number of days in which ozone levels exceed the National Ambient Air Quality Standards	1	12		3	400%	Environmental Services
●	2.2	Number of full-compliance evaluations of Title V facilities	12	18		19	105.56%	Environmental Services
●	2.3	Compliance rate of gas stations and drycleaners inspected	100%	70%		100%	142.86%	Environmental Services



●	2.4	Number of asbestos inspections conducted	94	50		101	202%	Environmental Services
●	3.1	Number of Brownfield assessments completed	6	8		25	312.5%	Environmental Services
●	3.2	Number of Significant Operational Compliance inspections of underground storage tanks completed	44	90		69	76.67%	Environmental Services
●	3.3	Compliance rate of underground storage tanks inspected	380	83%		78.79	94.93%	Environmental Services
●	3.4	Number of pesticide marketplace inspections	45	50		56	112%	Environmental Services
●	3.5	Number of hazardous waste inspections completed	12	50		48	96%	Environmental Services
●	2.8	Percent of facilities taking corrective action to mitigate air quality violations as required by an NOV or compliance order	380	100%		100%	100%	Environmental Services

Natural Resources Administration (NRA)



OBJECTIVE 1: Promote the installation of green infrastructure (GI) 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. (One City Action Plan Action 3.6.3)

INITIATIVE 1.1: Undertake an In-Lieu Fee project (Sustainable DC Plan Water Goal 2 and Actions 1.4, 3.3, and 3.4). DOEE's Stormwater Management regulations provide major regulated projects with the option of achieving a portion of their stormwater retention volume requirement off site, either by paying an In-Lieu Fee (ILF), set at \$3.50 per gallon per year, or by using Stormwater Retention Credits, traded privately. For each gallon that will be achieved through ILF, DOEE must install and maintain a gallon of green infrastructure (GI) retention capacity. In FY15, DOEE will install at least one ILF GI project so that an initial volume of ILF GI retention capacity will be available.

Completion Date: September, 2015.

- **Performance Assessment Key: Fully Achieved.** DOEE financed installation and coordinated with DGS to install an ILF GI project at Brookland Middle School. The GI is a rainwater harvesting system that provides 16,090 gallons of stormwater retention annually.

INITIATIVE 1.2: Field test innovative technologies to improve river water quality. (Sustainable DC Plan Water Action 1.1). DOEE will participate in an inter-jurisdictional, multi-year, research project to monitor, study, and report on the efficacy of Smart Integrated Stormwater Management Systems (SISMS). These "smart" devices are programmed to automatically control the operation of stormwater best management practices (BMPs) based on preset criteria for actual rainfall and natural-system conditions. The devices identify these conditions in real time through internet data from field sensors, weather forecasts, stream gauges, etc. The project will have one site in the District and multiple sites throughout the Anacostia Watershed. The project begins in the fall of 2014 and will be completed in 2018. FY15 activities include site selection, instrument installation, system calibration, and initial data collection. These field tests will identify barriers and solutions for the wider use of this type of technology and will aid DOEE in optimizing BMP guidance for compliance with the new stormwater regulations. The broader goal of this work is to reduce the volume of stormwater that enters District waterbodies in order to improve water quality. **Completion Date: September, 2015.**

- **Performance Assessment Key: Partially Achieved.** In FY15, District and Prince George's County sites were selected. In FY16, instruments will be installed and the systems will be calibrated, then data collection will begin. These field tests will identify barriers and solutions for the wider use of this type of technology and will aid DOEE in optimizing BMP guidance for compliance with the new stormwater regulations. The broader goal of this work is to reduce the volume of stormwater that enters District waterbodies in order to improve water quality. This initiative is ongoing through FY18.



INITIATIVE 1.3: Implement the Hickey Run Heroes campaign in Ward 5 (Sustainable DC Plan Equity and Diversity Actions 2.1 and 2.2; Water Action 2.3). In FY 15, DOEE will enlist 25% of residents in the Hickey Run Watershed in the RiverSmart Homes program. DOEE will administer a block contest in this watershed and work with the winning block to implement a green street.

Completion Date: September, 2015.

● **Performance Assessment Key: Partially Achieved.** In FY15, DOEE engaged 13% of the residents in the Hickey Run Watershed in the RiverSmart Homes program. While short of the goal, the percentage of households reached is a considerable increase from the 2% participation rate prior to the Hickey Run Heroes campaign. DOEE is currently contracting the design and construction of “green” streetscape features that will be installed on the winning block, which had 100% participation.

INITIATIVE 1.4: Implement two stream restoration projects in Anacostia tributaries. In FY 15, DOEE will complete the design phase and begin the construction phase on two multi-year, stream-restoration projects: Nash Run and Hickey Run. Over 3,000 linear feet of stream will be restored in total. These projects will create habitat, improve water quality, and engage local residents by involving them in the project design and construction. **Completion Date: September, 2015.**

● **Performance Assessment Key: Partially Achieved.** DOEE completed the design phase for Nash Run and Springhouse Run, and began contracting these two stream restoration projects. The contracting phase has taken longer than anticipated, pushing construction into FY16.

INITIATIVE 1.5: Establish a portfolio of SRC-generating green infrastructure (GI) retrofit projects. (Sustainable DC Plan Water Goal 1 and 2 and Actions 1.4, 3.3, and 3.4). DOEE’s Stormwater Management regulations provide major regulated projects with the option of achieving a portion of their stormwater retention volume requirement off site, either by paying an In-Lieu Fee (ILF) to DOEE or by using Stormwater Retention Credits (SRCs), traded privately. In FY 15, DOEE will identify a list of potential Green Infrastructure (GI) retrofit projects that could be undertaken by a regulated site or an SRC aggregator who wants to generate SRCs on District property. In selecting these sites, DOEE will consider factors such as whether the project will benefit a larger stream restoration, environmental justice, and overall benefits to District waterbodies. **Completion Date: September, 2015.**

● **Performance Assessment Key: Fully Achieved.** DOEE developed a list of potential projects in FY15 and is further prioritizing a subset of those projects to vet with sister agencies. Further coordination will occur with sister agencies to assess their land-use objectives and willingness to partner on projects installations. .

INITIATIVE 1.6: Encourage the installation and maintenance of green roofs. (Sustainable DC Plan Water Action 2.1). In FY14, the DOEE green roof tracking database recorded 2,287,698



square feet of confirmed green roof installations in the District, which exceeds the goal in the Sustainable DC Plan. In FY 15, DOEE will continue to promote the installation and maintenance of green roofs through the completion and dissemination of a green roof maintenance video. DOEE will also provide targeted outreach and training to green roof providers to advance their understanding of how green roof products can be used to comply with the District's new stormwater regulations. **Completion Date: September, 2015.**

- **Performance Assessment Key: Fully Achieved.** In FY15, the DOEE green roof tracking database recorded 2,506,575 square feet of confirmed green roof installations in the District, which exceeds the goal in the Sustainable DC Plan. DOEE also completed and disseminated a green roof maintenance video to promote better stewardship of green roofs.

INITIATIVE 1.7: Fully implement the Green Area Ratio (GAR) regulation. (Sustainable DC Plan Nature Action 1.4). In FY 13, the DC Office of Planning's initiative to require landscape performance elements in all new construction and major renovation projects was adopted, with DOEE's commitment to act as the reviewing authority. In FY 14, DOEE developed the tools for compliance and worked with Department of Comer and Regulatory Affairs staff to implement the application and review process. DOEE began using these compliance tools to provide training to relevant stakeholders including the development community, designers, engineers, and architects as well as permit reviews and inspectors within DOEE and across District agencies. In FY 15, DOEE will continue the outreach and education effort through regular training seminars. DOEE will also undertake new work with professional associations and landscape experts through a "train the trainer" approach to broaden GAR outreach efforts. DOEE will evaluate the use of multiple strategies for disseminating information, including online field guides and smart apps. **Completion Date: September, 2015.**

- **Performance Assessment Key: Fully Achieved.** In FY15, DOEE approved 41 plan submittals for compliance under GAR. DOEE also provided a series of training sessions to stakeholders and District agencies, providing guidance on how to comply with the requirements of the regulation. In addition, the agency maintained and updated program outreach materials, including its website, brochure, and technical guidance manual.

OBJECTIVE 2: Improve regulatory compliance through increased enforcement and more efficient customer service.

INITIATIVE 2.1: Implement a database that integrates stormwater management related functions and programs to improve enforcement and program efficiency and customer service.

In FY 14, DOEE began developing a web-based database that integrates review and tracking of Stormwater Management Plans (SWMPs) and Erosion and Sediment Control (ESC) Plans with related inspections and the other programs that use this data, including the Stormwater Retention Credit (SRC) trading program, the In-Lieu Fee program, and the RiverSmart Rewards discount program. This system will also include transitioning inspectors in the Watershed



Protection Division to using web-enabled electronic tablets that will enable them to access plan-review information, record inspection details, and issue inspection notices in the field. This effort will increase efficiency and coordination amongst these programs and improve customer service by making it easier for projects that request plan review to participate in related programs. This consolidated database will also make it easier for the District to comply with its reporting obligations under its EPA-issued Municipal Separate Storm Sewer System (MS4) permit, and it will provide critical data to track progress toward the strategic plan (currently under development) for reducing discharges from the District's storm sewer system to a level that is consistent with restoring health to District waterbodies. **Completion Date: September, 2015.**

- **Performance Assessment Key: Fully Achieved.** DOEE launched a new Stormwater Database that achieves all of the functions described above and provides DOEE with a significantly enhanced understanding of the impacts of regulated and voluntary green infrastructure projects on District water bodies, enabling more strategic management of the District's effort to protect and restore District water bodies.

INITIATIVE 2.2: Implement and execute the Water Quality Division Inspection and Enforcement Branch's Mobile Inspection and Investigation Application.

Throughout FY 13 and FY 14, the Water Quality Division (WQD) worked with the Office of the Chief Technology Officer to develop a custom software application that can be used to complete MS4 facility inspections, outfall inspections, and illicit discharge investigations. In FY 15, WQD inspectors will implement use of this software on rugged computer tablets in the field. This increased field capability will help to ensure complete, consistent, and effective inspections. **Completion Date: September, 2015.**

- **Performance Assessment Key: Fully Achieved.** The software development has been completed and the application and new hardware have been deployed. DOEE's Water Quality Division inspectors are using this software on rugged computer tablets in the field. DOEE will continue to work with OCTO to update the software to optimize field capability.

INITIATIVE 2.3: Implement and execute the Hickey Run Illicit Discharge Strategic Investigation.

Throughout FY 14, the Water Quality Division Inspection and Enforcement Branch has been drafting a statement of work (SOW) to conduct a Strategic Investigation of Illicit Discharges within the Hickey Run Sewershed in FY15. The SOW provides the framework for how the investigation will be conducted, including specific tasks that will be performed to identify and eliminate the source(s) of illicit discharges within the sewershed. The objective of the investigation is to identify and eliminate persistent illicit discharges to the Hickey Run Watershed in an effort to reduce the loading of toxics, nutrients, and sediment to the Anacostia River, the Potomac River, and ultimately the Chesapeake Bay. Once the threat of illicit discharges and continued loading is eliminated, additional restoration and improvements



within the Hickey Run watershed can be conducted, further reducing toxics, nutrient, and sediment loads to the Anacostia River. **Completion Date: September, 2015.**

- **Performance Assessment Key: Partially Achieved.** DOEE completed initial screening and sample collection of dry weather flows within the Hickey Run sewershed. High priority areas and hotspots within the sewershed were identified and mapped. The contracts for closed-circuit television monitoring of storm sewer lines were completed and the work will be initiated during the first quarter of FY16.

INITIATIVE 2.4: Finalize, promulgate, and enforce the proposed Well Construction, Maintenance, and Abandonment Standards, known as the District Well Regulations. The Water Quality Division (WQD) has been drafting water well regulations over the past several years. The proposed regulations establish the standards and procedures for the construction, maintenance, and abandonment of wells in the District. WQD intends to implement the regulations and begin enforcing them before the end of FY15. **Completion Date: September, 2015.**

- **Performance Assessment Key: Partially Achieved.** The proposed regulations were promulgated in FY15 and went into final stages of approval in FY16.

INITIATIVE 2.5: Update design and construction guidance manuals to reflect latest science, technology and regulations. In FY 13, DOEE completed a major revision to the District's stormwater regulation and provided updated compliance tools, including a revised Stormwater Management Guidebook. In FY 14, DOEE implemented these tools and provided related training to relevant stakeholders, including the development community, designers, engineers, and architects, as well as permit reviews and inspectors within DOEE and across District agencies. In FY 15, DOEE will continue the guidance update effort by posting a request for proposals and selecting a contractor to initiate revisions to the 2003 Soil Erosion and Sediment Control Guidebook. This update will evaluate the use of multiple strategies for disseminating information, including online field guides and smart apps. **Completion Date: September, 2015.**

- **Performance Assessment Key: Fully Achieved.** DOEE selected a contractor to revise the 2003 Soil Erosion and Sediment Control Guidebook. The contractor met with DOEE and DDOT staff to solicit feedback on state-of-the-art approaches and began to update the document. DOEE also began the process of updating the 2013 Stormwater Management Guidebook. The updated guidebook will be completed in FY16.

OBJECTIVE 3: Monitor the health of the District's natural resources.

INITIATIVE 3.1: Continue planning and begin grant management for the update to the Wetland Conservation Plan and creation of the Wetland Registry (Sustainable DC Nature Plan Actions 1.1 and 1.2). In FY 15, DOEE will begin a two-year process to update the District's



Wetland Conservation Plan, including a Wetland Registry, to promote conservation and facilitate restoration or creation of wetland habitat. The Wetland Registry will include possible sites for wetland creation as well as descriptions for suitable restoration projects. The two-year process will afford opportunities to coordinate with stakeholders and verify wetland delineations over two seasons. In FY 15, DOEE will procure and manage consulting services to update the Wetland Conservation Plan and create the Wetland Registry. In FY 15, DOEE will begin initial conversations with the National Park Service regarding open space guidelines and management policies relating to waterfowl that interfere with new wetland development. **Completion Date: September, 2015.**

- **Performance Assessment Key: Partially Achieved.** DOEE awarded a grant to Wetland Studies and Solutions, Inc. (WSSI) in FY15 to update the Wetland Conservation Plan and create a Wetland Registry. WSSI submitted drafts to DOEE for Wetland Creation Site Suitability Guidelines and the Wetland Restoration/Enhancement Assessment Tool. The land access permit application for the National Park Service was also initiated.

INITIATIVE 3.2: Conduct fine-scale mapping of District watersheds and subwatersheds (Sustainable DC Plan Nature Action 1.3). In FY15, DOEE will collaborate with the Office of the Chief Technology Officer (OCTO) and United States Geological Survey (USGS) to acquire an enhanced digital elevation resource to facilitate fine-scale base mapping. This resource will increase the accuracy of watershed/sewershed mapping and measuring of topographic conditions. DOEE will produce fine-scale maps as a resource for its programs and for District stakeholders who may be developing flood risk maps, mitigation plans, hydrology studies, sustainable watershed plans and assessments, for stormwater planning and analysis, and utilities and public works improvements. The acquired enhanced digital elevation resource will also be used to develop the District of Columbia's portion of the National Hydrography Dataset/Watershed Boundary Dataset. **Completion Date: September, 2015.**

- **Performance Assessment Key: Partially Achieved.** DOEE finalized a scope of work in FY15 after numerous negotiations with the parties involved in the project, including the United States Geologic Survey (USGS), OCTO, and DC Water. A Memorandum of Understanding between DOEE, OCTO, DC Water, and USGS was signed by all parties. Subsequently, USGS and DOEE entered into a Joint Funding Agreement, and the work is ongoing.

INITIATIVE 3.3: Begin preparation for the triennial review to the District's Water Quality Standards.

The District of Columbia (DC) Water Quality Standards (WQS) are revised every three years with public participation and a public hearing under the authority of the federal Clean Water Act (CWA) and the DC Water Pollution Control Act of 1984. In FY15, DOEE will initiate a triennial review. The revisions make the standards more robust to protect designated uses as identified in the regulations. The water-quality standards play a critical role in implementing various essential purposes and functions under the federal CWA, such as assessing water quality, National Pollutant Discharge Elimination System (NPDES) permits, non-point source



program implementation activities, and Total Maximum Daily Loads (TMDLs). It is DOEE's goal to use the latest scientific findings on ambient water quality criteria to update the water quality standards and to continue the restoration and protection of the quality of the District's surface waters. **Completion Date: September, 2015.**

- **Performance Assessment Key: Fully Achieved.** DOEE initiated the Water Quality Standards Triennial Review. DOEE is researching EPA's published updates to E. coli Recreational Water Quality Criteria, Ammonia Aquatic Life Ambient Water Quality Criteria, Human Health Water Quality Criteria for 94 organics, and the Draft Selenium Aquatic Life Ambient Water Quality Criteria, as well as the Final Rule for Water Quality Standards Regulatory Revision.

INITIATIVE 3.4: Continue review and comment processes for draft wetland regulations.

In FY 15, DOEE will continue the review and comment process for the draft wetland regulations, which will be promulgated in FY 16. In FY 15, The draft wetland regulations will undergo review and comment by District agencies and a public comment period. DOEE will issue a comment response document and, if necessary, a second proposed public comment period will occur. **Completion Date: September, 2015.**

- **Performance Assessment Key: Partially Achieved.** DOEE reviewed and addressed internal comments on the draft regulations and requested review and comments from sister agencies. Before promulgating regulations in FY16, DOEE will address comments received from sister agencies and submit the draft regulations to the Baltimore District of the U.S. Army Corps of Engineers for review and comment.

INITIATIVE: 3.5: Initiate standard operating procedures (SOP) to identify algal blooms in the Potomac and Anacostia Rivers.

During the summer months, algal blooms can occur in District waterbodies. Algal blooms can have toxic effects on humans or other aquatic organisms by creating nuisance vegetation that cause waterbody impairment and potentially prevent light penetration or hypoxic conditions upon decomposition. Data collected by this SOP will give the Water Quality Division the ability to collect and identify algae, identify blooms, and provide information on possible causes of fish kills. **Completion Date: September, 2015.**

- **Performance Assessment Key: Fully Achieved.** DOEE implemented the SOP for collection and identification of algae at sites on the Potomac and Anacostia Rivers. Samples were processed and information ascertained through the analyses was used to respond to inquiries from the public and media. DOEE inspectors were also provided with an abridged SOP and sample bottles to use when responding to possible fish kills.

INITIATIVE 3.6: Develop a revised monitoring program consistent with the requirements of the District's MS4 Stormwater Permit.

The District's current Municipal Separate Storm Sewer System (MS4) Permit requires the development of a revised monitoring program in order to make 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. In FY 14, DOEE worked on developing this revised monitoring program in parallel with an effort to develop a Consolidated TMDL Implementation Plan. The development of this revised monitoring network consisted of an analysis of DOEE's current monitoring programs, and an analysis of future monitoring needs. These analyses will inform a gap analysis to identify areas where new or additional monitoring is necessary, as well as identifying areas where it is possible to streamline monitoring or eliminate redundancy. This task will be completed in FY15, when the draft Revised Monitoring Program will be published for public comment and submitted to the US Environmental Protection Agency Region III. **Completion Date: September, 2015.**

- **Performance Assessment Key: Fully Achieved.** The Revised Monitoring Program draft was completed, published for public review and comment, and submitted to EPA Region III. In FY16, DOEE plans to finalize the draft based on public comments and feedback from EPA, and begin implementing the Revised Monitoring Program and integrating it with other monitoring efforts within the agency.

INITIATIVE 3.7: Update and significantly revise the District of Columbia Wildlife Action Plan (Sustainable DC Plan Nature Action 2.3).

The District is mandated by Congress to update its Wildlife Action Plan (WAP) every 10 years. The current WAP includes a list of 148 animals that were determined to be Species of Greatest Conservation Need (SGCN) and lists the critical habitats these SGCN need. The WAP also describes specific threats to SGCN and their habitats and designates conservation actions to address those threats. The Fisheries and Wildlife Division (FWD) is currently implementing these actions. In FY 15, the WAP revision process will include an analysis of the population statuses of SGCN and other wildlife, a reassessment of their critical habitats, and a reassessment of the threats to wildlife. These analyses will be based on monitoring data that FWD has been collecting since 2006. The update will include new conservations actions, based on the analysis of current threats. FWD's goal for the update of conservation actions is to shift its focus from inventory and monitoring to on-the-ground conservation and restoration of wildlife habitat in the District. The update will include input from an advisory panel and technical committees made up of representatives from federal agencies, academic institutions, and conservation organizations, in addition to other stakeholders. Additionally, the revision is mandated to undergo a period of public review and input. This plan will include—either as part of the document or an output—a connectivity map to guide development of viable habitats throughout the District. **Completion Date: September, 2015.**

- **Performance Assessment Key: Fully Achieved.** DOEE completed comprehensive updates to the Wildlife Action Plan and submitted this ten-year revision to the US Fish and Wildlife Service.

OBJECTIVE 4: Encourage the public to protect natural resources through education and outreach.



INITIATIVE 4.1: Pilot the integration of the Environmental Literacy Framework (Sustainable DC Plan Equity and Diversity Action 1.3). In FY 15, DOEE will continue to coordinate implementation of the Environmental Literacy Plan through a pilot project to integrate the Environmental Literacy Framework (ELF) at eight model schools, one in each ward. The ELF identifies environmental and sustainability connections with the recently adopted Next Generation Science Standards. This pilot will utilize brand new K–12 lesson plans and teaching tools developed at the Environmental Literacy Summer Institute. Each school will receive a mini-grant to support implementation. DOEE and its subgrantee will also organize two green career expos that will be co-hosted with program partners. These expos will provide approximately 300 District high school students with access to presenters from organizations that offer career opportunities, internships, higher education, and training in the environmental and sustainability fields. **Completion Date: September, 2015.**

● **Performance Assessment Key: Fully Achieved.** During FY15, eight model schools (one in each ward) with collaborating Environmental Education Coordinators were given a \$3,000 mini-grant and tasked with developing a school-specific Environmental Literacy Framework (ELF) implementation plan. The ELF identifies environmental and sustainability connections with the recently adopted Next Generation Science Standards. All eight model schools implemented these plans, and six of eight schools noticed a change in school culture after the second year. DOEE and its sub-grantees organized two Green Job Expos to provide District high school students with access to organizations that offer career opportunities, internships, higher education, and training in the environmental and sustainability fields.

INITIATIVE 4.2: Complete the two-year pilot program to provide Meaningful Watershed Educational Experiences to 5th graders in Wards 7 and 8 (Sustainable DC Plan Equity and Diversity Action 1.3). In FY 15, DOEE will send 75% of all 5th graders from Wards 7 and 8 (approximately 1,125 students) to overnight camps to learn how to better protect their natural environment. The camps will be run by nonprofit partners who specialize in providing rich environmental experiences that are tied to the Next Generation Science Standards, including characteristics that make up the Earth’s systems; food chains and webs in ecosystems; and the interaction between humans and the earth, specifically focusing on ways to protect the environment. This program targets students in traditionally underserved communities in the Anacostia Watershed. The goal is to develop a model program for future expansion to fifth graders District-wide, pending funding availability. **Completion Date: September, 2015.**

● **Performance Assessment Key: Partially Achieved.** In FY15, DOEE sent approximately 608 students (1,293 over the two years of the grant) to overnight camps to learn how to better protect their natural environment. The program targets students in traditionally underserved communities in the Anacostia Watershed, specifically focusing on ways to protect the environment. In FY15, the program was expanded to include all fifth graders District-wide.



INITIATIVE: 4.3: Develop a strategy to engage and communicate with the public regarding the new EPA’s Long-Term Vision for Assessment, Restoration, and Protection under the Clean Water Act Section 303(d) Program. In FY 15, DOEE will develop a strategy to engage and communicate with the public on EPA’s Long-Term Vision for Assessment, Restoration, and Protection under the Clean Water Act Section 303(d) Program. A public engagement strategy will identify key opportunities and actions to communicate the Vision Goals to the public and stakeholders and encourage their participation in achieving them; provide information about the purpose and critical importance of the program; and encourage their participation in the process of listing and developing total maximum daily loads (TMDLs) or alternatives.

Completion Date: September, 2015.

- **Performance Assessment Key: Fully Achieved.** DOEE drafted a Stakeholder Engagement Strategy as part of the implementation of the “Long-Term Vision for Assessment, Restoration, and Protection under the Clean Water Act Section 303(d) Program.” The document outlines DOEE’s TMDL/ Alternatives engagement framework, consultation approaches, and includes metrics by which outcomes will be managed.

INITIATIVE 4.4: Develop a prioritization strategy and coordinate with EPA to implement the Long-Term Vision for Assessment, Restoration, and Protection under the Clean Water Act under Section 303(d) Vision. In FY 15, DOEE will develop a prioritization strategy under the new 303(d) Vision that will be used for the by 2016 Integrated Report to identify priority lists of waters that are slated for near-term (~2 year) total maximum daily load (TMDL) development or alternative approaches; scheduled for likely TMDL development or alternative approaches for the period covering 2016–2022; and/or awaiting management to protect their current condition from degradation. The strategy will also include DOEE’s strategic rationale in setting these priorities. In addition, DOEE will continue to coordinate with the US environmental Protection Agency to discuss the District’s total maximum daily loads (TMDLs), TMDL alternatives, development and results of DOEE’s 303(d) Program Vision prioritization strategy, and/or its public engagement strategy, including efforts to coordinate Section 303(d) program priorities with other relevant programs (e.g., monitoring, nonpoint source control, and National Pollutant Discharge Elimination System programs). **Completion Date: September, 2015.**

- **Performance Assessment Key: Fully Achieved.** DOEE developed a list of priority waters and, through meetings and workshops, is working with EPA Region III on related TMDL revisions and alternatives.

Initiative: 4.6: Make Anacostia river boat tours available to the public. (Sustainable DC Plan Nature Action 3.1). In FY 15, DOEE, in partnership with a grantee, will make free, educational boat tours of the Anacostia River available to the public. This will help connect District residents to and educate them about the Anacostia River. It will also help to make residents aware of the tremendous potential of the Anacostia River as a resource for the community. **Completion Date: September, 2015.**



- **Performance Assessment Key: Fully Achieved.** DOEE issued two grant awards through which several educational boat tours were made available for the public. The program will continue in earnest in the spring of FY16.

KEY PERFORMANCE INDICATORS-Natural Resources Administration

 	KPI	Measure	FY 2014 YE Actual	FY 2015 YE Target	FY 2015 YE Revised Target	FY 2015 YE Actual (KPI Tracker)	FY 2015 YE Rating (KPI Tracker)	Budget Program (KPI Tracker)
	1.1	Number of participants in RiverSmart Homes Program	678	1,300		1071	82.38%	Natural Resources
	1.2	Number of rain barrels installed on private land	348	900		714	79.33%	Natural Resources
	1.3	Square footage of green roofs installed [One City Action Plan Action 3.6.3]	31,876	175,000		135,275	77.4%	Natural Resources
	1.4	Percent of stormwater management plans approved that contain a low impact design component (Sustainable DC Action NA1.4)	61%	70%		77.64%	110.92%	Natural Resources
	1.5	Number of acres of District landscape retrofitted with green infrastructure to be able to naturally filter or capture rainwater for reuse [One City Action Plan Action 3.6.3]	159	20		206.7	1033.5%	Natural Resources
	1.7	Number of trees planted through	NA	2,875		1709	59.44%	Natural Resources



		third-party agreements [Sustainable DC Plan NA2.1]						
●	1.8	Number of installations for RiverSmart Communities Program	5	6		8	133.33%	Natural Resources
●	2.1	Number of inspections for stormwater management erosion/sediment control	4,891	9,000		6932	77.02%	Natural Resources
●	2.2	Percent of drainage complaints responded to within 2 business days	87%	100%		67.12%	67.12%	Natural Resources
●	2.3	Number of Bag Law inspections	567	550		552	100.36%	Natural Resources
●	2.4	Number of coal tar inspections	184	60		83	138.33%	Natural Resources
●	2.5	Number of MS4 outfalls inspected	165	188		172	91.49%	Natural Resources
●	2.6	Number of MS4 facilities inspected	153	168		133	79.17%	Natural Resources
●	3.2	Percent of illicit discharge complaints investigated within 5 business days	100%	100%		100%	100%	Natural Resources
●	4.1	Number of Aquatic Resources Education Center visitors	3,866	3,500		3,653	104.37%	Natural Resources

WORKLOAD MEASURES – APPENDIX

WORKLOAD MEASURES ●

Measure Name	FY 2013 YE Actual	FY 2014 YE Actual	FY 2015 YE Actual	Budget Program
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Number of complaints received about presence of deteriorated paint	53	13	64	Environmental Services
Number of complaints received about unsafe work practices	46	47	72	Environmental Services
Number of households receiving energy assistance	22,726	18,110	21,544	Environmental Services
Number of applications received for renewable energy	920	50	248	Energy
Number of chapter 2 permit applications received	249	168	177	Environmental Services
Number of applications received for the Property Assessed Clean Energy Program (PACE)	1	0	20	Energy
Number of air quality complaints received	263	100	466	Environmental Services
Number of ambient air quality monitors operated and maintained	35	30	130	Environmental Services
Number of applications received for the RiverSmart Homes program	1,429	1,214	1,663	Natural Resources
Number of Environmental Impact Screening Forms received	58	43	44	OFFICE OF THE DIRECTOR
Number of requests to	40	23	15	Environmental Services



respond to potential spills or releases				
Number of complaints of potentially unsafe pesticide use	21	16	31	Environmental Services
Number of new applications received for the Voluntary Cleanup Program (Brownfields)	0	0	3	Environmental Services
Number of pesticide applicators inspected in the District	163	89	120	Environmental Services
Number of active underground storage tank (UST) facilities registered in the District	459	438	440	Environmental Services
Number of active hazardous waste generators registered in the District	869	956	1,023	Environmental Services
Number of contaminated site clean-ups under regulatory oversight in the District	6	6	159	Environmental Services