



FY 2015 PERFORMANCE PLAN District Department of the Environment

MISSION

The mission of the District Department of the Environment (DDOE) 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, and educating the public on ways to secure a sustainable future.

SUMMARY OF SERVICES

DDOE 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.

PERFORMANCE PLAN DIVISIONS

- Office of Policy and Sustainability (OPS)
- Office of Enforcement and Environmental Justice (OEEJ)
- Office of Community Relations (OCR)
- Energy Administration (EA)
- Environmental Services Administration (ESA)
- Natural Resources Administration (NRA)
- Office of the Director¹

AGENCY WORKLOAD MEASURES

Measure	FY 2012 Actual	FY 2013 Actual	FY 2014 YTD ²
Number of complaints received about presence of deteriorated paint	40	53	13
Number of complaints received about unsafe work practices	32	46	47
Number of households receiving energy assistance	21,688	22,726	18,110
Number of applications received for renewable energy ³	762	920	50
Number of chapter 2 permit applications received ⁴	152	249	168

¹ For the purposes of the FY14 Performance Plan, the Office of the Director includes the budget divisions (1000) Agency Management, (8000) Green Economy, and (100F) Agency Financial Operations.

² Data is accurate as of the 3rd quarter of 2014.

³ In FY11 – 13, this workload measure is for the Renewable Energy Incentive Program. In FY14 and beyond, this measure will be for any incentive programs implemented directly by DDOE. This measure is also tracked in the One City Action Plan, Action 1.4.2.

⁴ Chapter 2 permits come in two main types: 1) preconstruction review permits where we evaluate applications to install air pollutant emitting equipment to ensure that the equipment will comply with regulations; and 2) operating permits for facilities to operate the equipment once it has been constructed.



Measure	FY 2012 Actual	FY 2013 Actual	FY 2014 YTD²
Number of applications received for the Property Assessed Clean Energy Program (PACE)	NA	1	0
Number of air quality complaints received	124	263	100
Number of ambient air quality monitors operated and maintained	35	35	30
Number of applications received for the RiverSmart Homes program	1,268	1,429	1214
Number of Environmental Impact Screening Forms received	37	58	43
Number of requests to respond to potential spills or releases	50	40	23
Number of complaints of potentially unsafe pesticide use	50	21	16
Number of new applications received for the Voluntary Cleanup Program (Brownfields)	2	1	1
Number of pesticide applicators inspected in the District	139	163	89
Number of active underground storage tank (UST) facilities registered in the District	445	459	438
Number of active hazardous waste generators registered in the District	858	869	956
Number of contaminated site clean-ups under regulatory oversight in the District	NA	6	6



Office of the Director

SUMMARY OF SERVICES

The Office of the Director oversees overall agency operations in order to effectively meet the environmental goals of the District. In addition to agency-wide priorities, the Office of the Director includes initiatives focused on internal agency management; coordination of the agency's roles and responsibilities in economic development projects; and legal and regulatory issues.

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

INITIATIVE 1.1: Manage the remedial investigation and undertake a feasibility study of the Anacostia River. In FY 15, DDOE 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, DDOE 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.**

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, DDOE will continue to increase the number and diversity of sustainability outreach programs and events. DDOE will partner with other agencies and nongovernmental organizations to expand outreach to diverse constituencies and currently underserved neighborhoods. DDOE will also develop new business and neighborhood challenges to promote sustainability in particular neighborhoods across the District. **Completion Date: September, 2015.**

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, DDOE helped move this program forward by certifying the District's first SRCs in April 2014. DDOE will continue to enhance this program in FY 15 and certify SRCs for eligible best management practices and land cover changes. DDOE 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.**

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. DDOE 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.**

INITIATIVE 1.5 Conduct agency sustainability assessment using OCA approved criteria developed by DDOE 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.

OBJECTIVE 2: Increase transparency of grant programs.

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

In FY 15, DDOE 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 DDOE through the same database. This database will enable all DDOE 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.**

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 DDOE is required to continuously update and improve the portions of the DCMR under its regulatory authority to protect public health and the environment. DDOE also develops new regulations when required by newly enacted laws, and/or develop regulations to enact new programs. By the end of FY15, DDOE 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.**

Objective 4: Promote green business and job development.

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

DDOE 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. DDOE 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, DDOE will share stories of green businesses with the District-wide sustainability community.

Completion Date: September, 2015.

KEY PERFORMANCE INDICATORS – Office of the Director

Measure	FY 2013 Actual	FY 2014 Target	FY 2014 YTD ⁵	FY 2015 Projection	FY 2016 Projection	FY 2017 Projection
Percent of subgrantee’s budget spent on programmatic costs ⁶	81.85%	65%	NA	65%	65%	65%
Percent of scheduled monitoring reports as defined in agency monitoring plan completed for each grant award ⁷	90.43%	100%	28.9%	100%	100%	100%

⁵ Data is accurate as of the 3rd quarter of 2014.

⁶ The Wise Giving Alliance of the Better Business Bureau identifies 65% to be an industry standard for this measure <http://www.bbb.org/us/Charity-Standards/> . This metric measures subgrantees’ programmatic costs as a percentage of their overall costs. In FY12, this metric focused on ARRA subgrantees.

⁷ Pursuant to 11.4 of the Grants Manual and Source Book all District agencies must complete monitoring reports. All District agencies should be in compliance with this standard. The standard is 100%.



Office of Policy and Sustainability

SUMMARY OF SERVICES

The Office of Policy and Sustainability (OPS) develops innovative policy and programming solutions to address environmental challenges and increase sustainability in the District. OPS coordinates programs and communications with sister agencies, the Mayor's office, and non-government stakeholders to promote widespread adoption of sustainable practices and support implementation of the Sustainable DC Plan, including green building, green infrastructure, sustainability planning, and greenhouse gas emission reductions.

OBJECTIVE 1: Increase the understanding and adoption of innovative sustainability practices, including climate change adaptation, within DDOE, 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)

OPS 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, OPS will partner with other agencies and nongovernmental organizations to expand outreach to additional constituencies and currently underserved neighborhoods. OPS will also develop new business and neighborhood challenges and promote accomplishments of local sustainability champions.

Completion Date: September, 2015.

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)

OPS will continue to coordinate with the 27 government agencies involved in the Sustainable DC Plan and track progress of the 143 actions. OPS 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.**

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)

OPS 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, OPS will launch additional targeted challenges with neighborhood groups or within schools. OPS 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.



OPS will also work private businesses and organizations to develop programs to promote sustainable behavior within their members and employees. In terms of government agencies, OPS coordinate with District agencies to develop and fund innovative pilot projects supporting the Sustainable DC Plan through the Innovation Challenge. **Completion Date: September, 2015.**

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). OPS 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. DDOE 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.**

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). OPS will research national and international best practices to better manage District waste streams. To move new laws and policies to implementation, OPS will work with other DDOE divisions, DPW, DGS, and private partners such as the Restaurant Association of Metropolitan Washington to research and promulgate regulations and guidance. OPS will investigate options to replace polystyrene containers, to implement electronics recycling programs and advance composting citywide. OPS will continue work with stakeholder groups to develop regulations for construction and demolition debris programs. **Completion Date: September, 2015.**

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). OPS 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.



KEY PERFORMANCE INDICATORS - Office of Policy and Sustainability

Measure	FY 2013 Actual	FY 2014 Target	FY 2014 YTD ⁸	FY 2015 Projection	FY 2016 Projection	FY 2017 Projection
Percentage of actions in the Sustainable DC Plan completed or under way	46%	60%	62%	65%	70%	75%
Number of businesses and institutions participating in sustainability pledges or challenges ⁹	213	200	203	300	400	450
Number of LEED certified projects in the District (cumulative)	424	450	489	550	600	600
Greenhouse gas emissions reductions from the 2006 baseline year to meet 2050 goal ¹⁰	81.9%	14.8%	NA	16%	17.5%	17.5%

⁸ Data is accurate as of the 3rd quarter of 2014.

⁹ This measure tracks the number of businesses and organizations in the Green Business Challenge, as well as the number of institutions that sign a sustainability pledge (e.g. the existing College and University Sustainability Pledge).

¹⁰ In 2006, the District produced 10.2 million metric tons of greenhouse gas emissions. The District is committed to reducing its annual emissions by 20% by 2020, 50% by 2032 and 80% by 2050 (from the 2006 baseline total). This translates into a 1.2% reduction per year in the near future and graduates to a 1.8% reduction closer to 2050. For each fiscal year, these reduction targets will be reported for the previous calendar year due to the time required to collect and process data.



Office of Enforcement and Environmental Justice

SUMMARY OF SERVICES

The Office of Enforcement and Environmental Justice (OEEJ) develops and implements effective practices in order to support DDOE enforcement efforts. OEEJ works directly with DDOE’s environmental enforcement programs by providing training, developing standard procedures, maintaining records, and managing the civil infractions program. OEEJ serves as the lead agency contact for enforcement matters involving U.S. EPA Region 3. In addition, the Office implements DDOE’s environmental justice initiatives through outreach to affected communities.

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 DDOE’s website. In FY15, DDOE will assure that quarterly enforcement statistics are posted for the public to view. OEEJ will also make sure that all relevant statutes and regulations are available online. **Completion Date: September, 2015.**

INITIATIVE 1.2: Create and systematically build enforcement capacity within the agency. This initiative will be accomplished by using OEEJ’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.**

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.**

KEY PERFORMANCE INDICATORS - Office of Enforcement and Environmental Justice

Measure	FY 2013 Actual	FY 2014 Target	FY 2014 YTD ¹¹	FY 2015 Projection	FY 2016 Projection	FY 2017 Projection
Amount collected from fines and penalties	\$186,449	\$183,750	\$110,255	\$187,250	\$190,000	\$195,000
Compliance rate of enforcement actions processed. ¹²	80.3%	85%	85%	90%	90%	90%
Number of Notices of Infraction processed by OEEJ	160	173	132	177	180	185

¹¹ Data is accurate as of the 3rd quarter of 2014.

¹² Compliance rate of enforcement actions processed measures the success of enforcement actions. A high compliance rate means that once DDOE takes enforcement actions it is successful at getting the desired environmental results from the regulated industry. (This does not include payments of fines and penalties). A low compliance rate means that even after DDOE takes enforcement actions, it is still not getting the desired results. This measure can be influenced by several factors such as inability to locate the responsible party, being ignored by the responsible party, or the agency’s failure to follow-up on enforcement actions.



Office of Community Relations

SUMMARY OF SERVICES

The Office of Community Relations (OCR) manages public affairs and community education programs for DDOE. OCR maintains and enhances the agency’s online presence and promotes agency programs and events.

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, DDOE will promote Sustainability through the agency website, participation in community events and posting information on social media in three outlets: Twitter, Facebook and YouTube. DDOE 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.**

INITIATIVE 1.2: Continue development of targeted outreach materials (Sustainable DC Plan Equity and Diversity Action 2.1). In FY 15, DDOE 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.**

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, DDOE 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. DDOE 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.**

KEY PERFORMANCE INDICATORS - Office of Community Relations

Measure	FY 2013 Actual	FY 2014 Target	FY 2014 YTD ¹³	FY 2015 Projection	FY 2016 Projection	FY 2017 Projection
Percent of District residents reached by DDOE Outreach and Education Programs ¹⁴	69%	75%	64%	75%	75%	75%

¹³ Data is accurate as of the 3rd quarter of 2014.

¹⁴ This KPI is measured by analyzing the following data: 1) the number of participants that participate in school activities such as assemblies, DDOE-related events, etc; 2) the number of new followers on social media, including DDOE’s Twitter, Facebook, and YouTube accounts; 3) the number of participants that attend DDOE Community Outreach Events; and 4) the number of List-Serve Participants that receive regular DDOE updates and information. This combined number is then divided by the number of District residents to ascertain the percentage of District residents reached by DDOE Outreach and Education Programs.



Energy Administration

SUMMARY OF SERVICES

The Energy Administration (EA) provides advice and recommendations to the Mayor on current or impending energy related problems and to serve as the lead entity to develop and implement a comprehensive long-range District energy plan to achieve maximum effective management and use of present and future sources of energy. The EA administers energy efficiency and renewable energy programs that help District residents use less energy, and provides direct financial assistance and discounts to low-income residents to help off-set their energy bills.

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 UPD.

In FY 15, DDOE 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). DDOE will develop a new LIHEAP Benefit Matrix to ensure that financial assistance is provided to those households with the greatest energy burden. DDOE 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. DDOE 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.**

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, DDOE 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. DDOE 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. DDOE 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.**



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, DDOE 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. DDOE 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. DDOE will also provide do-it-yourself weatherization packages and live demonstrations or video workshops to all LIHEAP and UPD participants prior to processing applications for energy assistance. DDOE 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. DDOE 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.**

OBJECTIVE 2: Reduce overall energy consumption and increase the use of renewable energy generated in the District.¹⁵

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.**

¹⁵ The wording for this objective was changed to better align the FY15 objectives of DDOE's Energy Administration with the Energy goals specified in the Sustainable DC Plan.



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, DDOE 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. DDOE 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.**

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, DDOE will continue to improve the Building Energy Benchmarking Program with a focus on increased data quality, accuracy, and transparency. DDOE 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. DDOE will work with the District Department of General Services, the US Department of Energy (US DOE), and other stakeholders to provide access to DDOE'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. DDOE 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.**

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, DDOE 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. DDOE 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.**



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, DDOE 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. DDOE will also pursue clean energy innovation grants funded by the US Department of Energy to support local educational and workforce development activities. DDOE 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. DDOE 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. DDOE 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.**

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 DDOE 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. DDOE 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. DDOE 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.**

OBJECTIVE 3: Enhance reliability, resiliency and environmental performance of energy systems in the District¹⁶

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, DDOE 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. DDOE will commission an independent feasibility study to explore the practicality of installing microgrids, and combined heat and power systems in the District. DDOE 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

¹⁶ The wording for this objective was changed to better align the FY15 objectives of DDOE's Energy Administration with the Energy goals specified in the Sustainable DC Plan.



benefits of smart meters and smart grid infrastructure. DDOE will also monitor the progress of Pepco and the District Department of Transportation Power Line Undergrounding initiative. **Completion Date: September, 2015.**

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

In FY 15, DDOE will update and continue implementation of the District of Columbia Energy Assurance Plan (EAP) to ensure that DDOE, and the District in general, can respond to energy emergencies and promote the resiliency of the District’s energy systems to reduce vulnerabilities. DDOE 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. DDOE 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 DDOE’s energy assurance planning activities. DDOE 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.

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, DDOE 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. DDOE 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.



KEY PERFORMANCE INDICATORS - Energy Administration

Measure	FY 2013 Actual	FY 2014 Target	FY 2014 YTD ¹⁷	FY 2015 Projection	FY 2016 Projection	FY 2017 Projection
Number of low-income units weatherized ¹⁸	504	220	190	220	220	220
Estimated average reduction (%) in energy consumption per unit weatherized	35%	10%	37%	10%	10%	25%
Increase in generation capacity resulting from PV installations ¹⁹	828.5	1,500	0 ²⁰	2,300	2,900	1,000
Increase in production capacity resulting from Thermal installations ²¹	156.6	150	0 ²²	180	215	1,200
Number of buildings reporting ENERGY STAR benchmarking data to DDOE	968	1,350	1438	1,600	1,800	1,900
Compliance rate of Energy Benchmarking	77%	70%	64%	85%	90%	95%
Number of green-collar jobs in the District ²³	50.3	88	20.85	88	88	88
Rate of expenditure of DCSEU contract ²⁴	96.7%	100%	16.7%	100%	100%	100%
Percent of renewable energy usage [One City Action Plan Indicator 1E] ²⁵	11.4%	12.5%	12.9%	13.5%	14.5%	13.5%
Number of solar installations incentivized for renewable energy ²⁶	194	354	0 ²⁷	522	654	475

¹⁷ Data is accurate as of the 3rd quarter of 2014.

¹⁸ A technical adjustment is made to reflect that DDOE's Weatherization Assistance Program (WAP) provides technical and financial assistance to help low-income residents only. WAP helps reduce home energy bills through energy audits and installs to help residents maintain energy-efficient, safe and healthy homes. This Performance Measure only captures low-income homes.

¹⁹ PV stands for solar photovoltaic system. This measure is calculated in kilowatts.

²⁰ The program to incentive the increase in generation capacity was funded through the Renewable Energy Incentive Program (REIP), which was funded from FY10-FY13 only. The agency intends to start another program to incentives further installations using another source of funding in FY14.

²¹ This measure is calculated in kilowatt equivalent (kWe) units.

²² The program to incentive the increase in generation capacity was funded through REIP, which was funded from FY10-FY13 only. The agency intends to start another program to incentives further installations using another source of funding in FY14.

²³ Generated by the DC Sustainable Energy Utility.

²⁴ DCSEU = DC Sustainable Energy Utility.

²⁵ This metric is derived and tabulated by the Environmental Protection Agency's Green Power Partnership. It includes the 100% Green Power purchase by District Government. As EPA does not forecast the percentage of renewable energy usage under its Green Power Purchasing Program, the out-year targets are suggested incremental projections. This is renewable energy purchased by anyone in the District voluntarily, i.e. over and above the Renewable Portfolio Standard.

²⁶ This measure is also tracked in the One City Action Plan, Action 1.4.2.

²⁷ The Renewable Energy Incentive Program (REIP) provided residents with direct financial incentives to adopt solar photovoltaic and thermal systems on their properties. This Program was funded by the Sustainable Energy Trust Fund (SETF) from FY10 through FY13 only.



Environmental Services Administration

SUMMARY OF SERVICES

The Environmental Services Administration (ESA) works to reduce hazards and contaminants in District land, air, water and homes by certifying facilities and professional service providers, reviewing plans, issuing permits, conducting inspections, and recommending new policy directions. Specific programs within ESA include lead poisoning prevention, healthy homes, air quality, pesticides, hazardous waste, underground storage tanks, and contaminated site remediation.

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). DDOE 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.**

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) DDOE 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.**

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 DDOE's Air Quality Division (AQD), have enforced the idling regulation for many years. In FY 15, DDOE will continue its enhanced anti-idling effort. AQD 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, AQD will continue to develop a regulation limiting the idling of non-road engines. **Completion Date: September, 2015.**

INITIATIVE 2.2: Implement Source Category Permit Program. DDOE 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, AQD will implement the recently completed general permit for perchloroethylene drycleaners, issuing it to the approximately 50 such dry cleaners in the District. In addition, AQD will complete development of the general permit for gasoline stations and begin issuing the permits to the stations. **Completion Date: September, 2015.**

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, DDOE 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.**

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, DDOE 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.**

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, DDOE drafted regulations in accordance with the Pesticide Education and Control Amendment Act of 2012. DDOE 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.**



KEY PERFORMANCE INDICATORS - Environmental Services Administration

Measure	FY 2013 Actual	FY 2014 Target	FY 2014 YTD ²⁸	FY 2015 Projection	FY 2016 Projection	FY 2017 Projection
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 assessment ²⁹	95%	95%	95%	100%	100%	100%
Percent of children under 36 months of age that are being screened for lead poisoning	50%	TBD ³⁰	60%	65%	68%	70%
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	235	380	153	370	360	320
Confirmed EBLLs as % of District children tested, as compared to national average ³¹	0.24	0.65	TBD ³²	0.5	0.4	0.25
Number of days in which ozone levels exceed the National Ambient Air Quality Standards ³³	0	12	1	12	12	12
Number of full-compliance evaluations of Title V facilities ³⁴	18	19	12	18	20	18
Compliance rate of gas stations and drycleaners inspected	95%	70%	100%	70%	70%	70%

²⁸ Data is accurate as of the 3rd quarter of 2014.

²⁹ A technical adjustment was made that changed the Performance Measure from "Number of elevated" cases to "Percent of elevated" cases. Capturing the the percentage of blood level cases and other properties instead of the actual number allows for a more holistic understanding of the number of cases which received the Order and which did not—rather than simply a report of those that received the Orders.

³⁰ This is an annual measure. Data for FY2014 will be reported and compiled at the end of the fiscal year.

³¹ This industry standard is an annual measure that will be compared to the national average reported by the Center for Disease Control. The current average hovers around 1%. EBLL = Elevated blood lead level.

³² This is an annual measure. Data for FY2014 will be reported and compiled at the end of the fiscal year.

³³ This industry standard measure can only be compared to jurisdictions with the same ozone nonattainment status as the District. In addition, ozone formation is highly dependent on heat and sunlight.

³⁴ A Title V facility is one that is considered a major source of one or more air pollutants and so receives a facility-wide permit.



Measure	FY 2013 Actual	FY 2014 Target	FY 2014 YTD²⁸	FY 2015 Projection	FY 2016 Projection	FY 2017 Projection
Number of asbestos inspections conducted	82	45	94	50	60	70
Number of Brownfield assessments completed	17	8	6	8	8	8
Number of Significant Operational Compliance inspections of underground storage tanks completed	72	80	44	90	90	90
Compliance rate of underground storage tanks inspected ³⁵	77%	82%	380	83%	82%	85%
Number of pesticide marketplace inspections	62	50	45	50	50	50
Number of hazardous waste inspections completed ³⁶	12	75	12	50	75	75
Percent of facilities taking corrective action to mitigate air quality violations as required by an NOV or compliance order (report numerator and denominator). ³⁷	380	100%	380	100%	100%	100%

³⁵ This measure is the combined compliance rate of inspected facilities, including release detection compliance and release prevention compliance. Active underground storage tank facilities are targeted for inspection at least once every 3 years.

³⁶ The FY13 and FY15 targets are lower because inspections will be done of larger facilities, which require more time.

³⁷ New Mexico Energy Department (NMED) Key Performance Measures First Quarter FY 12 July 1 – September 30, 2011- Benchmarks: FY11 Actual 100%



Natural Resources Administration

SUMMARY OF SERVICES

The Natural Resources Administration oversees fisheries and wildlife, water quality, watershed protection, and stormwater management in the District. The division provides certification, review and technical analysis services to businesses, Federal and District governments, and District residents through licensing, inspections, monitoring, permitting, and technical assistance. It also provides natural resources education and outreach and demonstrates new technologies to protect natural resources.

OBJECTIVE 1: Promote the installation of green infrastructure practices, such as rain barrels, rain gardens, and green roofs on public and private lands to help control stormwater runoff and make the District more environmentally sustainable. (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).

DDOE'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, DDOE must install and maintain a gallon of green infrastructure (GI) retention capacity. In FY15, DDOE 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.

INITIATIVE 1.2: Field test innovative technologies to improve river water quality. (Sustainable DC Plan Water Action 1.1).

DDOE 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 DDOE 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.



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, DDOE will enlist 25% of residents in the Hickey Run Watershed in the RiverSmart Homes program. DDOE will administer a block contest in this watershed and work with the winning block to implement a green street.

Completion Date: September, 2015.

INITIATIVE 1.4: Implement two stream restoration projects in Anacostia tributaries.

In FY 15, DDOE 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.**

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)

DDOE'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 DDOE or by using Stormwater Retention Credits (SRCs), traded privately. In FY 15, DDOE 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, DDOE 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.

INITIATIVE 1.6: Encourage the installation and maintenance of green roofs. (Sustainable DC Plan Water Action 2.1)

In FY14, the DDOE 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, DDOE will continue to promote the installation and maintenance of green roofs through the completion and dissemination of a green roof maintenance video. DDOE 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.

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 DDOE's commitment to act as the reviewing authority. In FY 14, DDOE developed the tools for compliance and worked with Department of Comer and Regulatory Affairs staff



to implement the application and review process. DDOE 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 DDOE and across District agencies. In FY 15, DDOE will continue the outreach and education effort through regular training seminars. DDOE will also undertake new work with professional associations and landscape experts through a “train the trainer” approach to broaden GAR outreach efforts. DDOE will evaluate the use of multiple strategies for disseminating information, including online field guides and smart apps. **Completion Date: September, 2015.**

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, DDOE 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.**

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.**

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.

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.

INITIATIVE 2.5: Update design and construction guidance manuals to reflect latest science, technology and regulations.

In FY 13, DDOE completed a major revision to the District's stormwater regulation and provided updated compliance tools, including a revised Stormwater Management Guidebook. In FY 14, DDOE 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 DDOE and across District agencies. In FY 15, DDOE 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.

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, DDOE 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, DDOE will procure and manage consulting services to update the Wetland Conservation Plan and create the Wetland



Registry. In FY 15, DDOE 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.**

INITIATIVE 3.2: Conduct fine-scale mapping of District watersheds and subwatersheds (Sustainable DC Plan Nature Action 1.3).

In FY15, DDOE 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. DDOE 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.**

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, DDOE 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 DDOE'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.

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

In FY 15, DDOE 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. DDOE will issue a comment response document and, if necessary, a second proposed public comment period will occur. **Completion Date: September, 2015.**

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.**

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, DDOE 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 DDOE’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.**

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 conservation 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.**



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, DDOE 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. DDOE 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.**

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, DDOE 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.**

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, DDOE 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.



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, DDOE 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 DDOE’s strategic rationale in setting these priorities. In addition, DDOE 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 DDOE’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.**

Initiative: 4.6: Make Anacostia river boat tours available to the public. (Sustainable DC Plan Nature Action 3.1).

In FY 15, DDOE, 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.**



KEY PERFORMANCE INDICATORS – Office of Natural Resources

Measure	FY 2013 Actual	FY 2014 Projection	FY 2014 YTD ³⁸	FY 2015 Projection	FY 2016 Projection	FY 2017 Projection
Number of participants in RiverSmart Homes Program	1,010	1,100	678	1,300	1,300	1,300
Number of rain barrels installed on private land	1429	900	348	900	900	900
Square footage of green roofs installed ³⁹ [One City Action Plan Action 3.6.3]	199,440	150,000	31,876	175,000	200,000	225,000
Number of trees planted through third-party agreements [Sustainable DC Plan NA2.1]	NA	6,875	NA	2,875	2,050	2,050
Number of installations for RiverSmart Communities Program ⁴⁰	5	5	5	6	8	10
Percent of stormwater management plans approved that contain a low impact design component (Sustainable DC Action NA1.4)	50%	70%	61%	70%	80%	100%
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]	82	15	159	20	50	100
Number of inspections for stormwater management erosion/sediment control	8,447	8,250	4,891	9,000	9,500	9,750
Percent of drainage complaints responded to within 2 business days	100%	100%	87%	100%	100%	100%
Percent of illicit discharge complaints investigated within 5 business days	97%	100%	100%	100%	100%	100%
Number of Bag Law inspections	587	550	401	550	550	550
Number of coal tar inspections	152	65	118	60	60	60
Number of MS4 outfalls inspected ⁴¹	178	182	127	188	190	190

³⁸ Data is accurate as of the 3rd quarter of 2014.

³⁹ This measure is also tracked in the One City Action Plan, Action 3.6.3. By 2017, the District will install 1.5 million square feet of green roofs as part of an effort to make the Anacostia River, Rock Creek, Potomac River and all District waterways fishable and swimmable.

⁴⁰ Historical data is not currently available. This is a new measure in FY14.

⁴¹ MS4 = municipal separate storm sewer system.



Measure	FY 2013 Actual	FY 2014 Projection	FY 2014 YTD³⁸	FY 2015 Projection	FY 2016 Projection	FY 2017 Projection
Number of MS4 facilities inspected ⁴²	163	162	101	168	170	170
Number of Aquatic Resources Education Center visitors	4,625	3,000	1,485	3,500	4,000	5,000

⁴² The facilities most commonly inspected include automotive repair, maintenance, and body shops, dry cleaners, and car washes. Inspections are also routinely conducted at solid waste transfer stations, scrap metal yards, equipment maintenance yards, golf courses, marinas, bus depots, District government-owned facilities, and federal facilities such as the Bureau of Printing and Engraving and National Park Service vehicle shops. The list of facilities inspected is updated annually in accordance with the District's MS4 permit.