



Department of Energy and Environment (DOEE) FY2016 Performance Accountability Report (PAR)

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.

Summary of Services

DOEE is the leading authority on energy and environmental issues affecting the District of Columbia. Using a combination of regulations, outreach, education, and incentives, our agency administers programs and services to fulfill our mission. We work collaboratively with other government agencies, residents, businesses, and institutions to promote environmentally responsible behavior that will lead to a more sustainable urban environment.

Overview – Agency Performance

The following section provides a summary of DOEE performance in FY 2016 by listing DOEE’s top accomplishments, and a summary of its progress achieving its initiatives and progress on key performance indicators.

Top Agency Accomplishments

Accomplishment	Impact on Agency	Impact on Residents
DOEE dramatically increased career preparation and green job resources for District residents and stated promoting new opportunities on its Green Pathways site (doee.dc.gov/greenpathways)	These initiatives enhanced DOEE’s role in creating pathways to the middle class.	In FY16, DOEE Green Pathways boosted green job opportunities in the District by: implementing an enhanced, award winning Summer Youth Employment (SYEP)/Green Zone Environmental Program (GZEP); launching GZEP Solar Plus to train SYEP graduates in solar installation and energy efficiency; completing its first year of the Green Fellows program for District graduate students, and kicking off it’s the second cohort of green fellows; and establishing an Anacostia River Clean Up and Infrastructure Job Training Program for underserved and unemployed District 18-24 year olds.
Climate Ready DC released	DOEE has assumed a leading role in coordinating with sister agencies and stakeholders to make the District ‘climate-ready’.	Climate Ready DC, the District’s plan to adapt to a changing climate was released after two years of research and stakeholder engagement. Already experiencing the impacts of climate change, the District recognizes its responsibility to protect its infrastructure, neighborhoods, and residents, and take action to become more resilient.

Signing of the Anacostia River Accord and implementation of the polystyrene ban	DOEE has developed additional tools, resources, and partnerships to help restore and protect District waterways that are impacted by trash litter.	DOEE reached agreement with Montgomery County and Prince George's County, Maryland to execute the Anacostia River Accord, a renewed commitment to combat trash in the Anacostia River and its watershed. In addition, DOEE implemented the ban on expanded polystyrene, also known as foam or Styrofoam™, one of the most common forms of trash pollution in District waterways. DOEE provided compliance assistance and gradually worked toward enforcement in order to achieve a first year compliance rate of approximately 80%.
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In FY 2016, DOEE had 48 Key Performance Indicators. Of those, 15 were neutral, and another 2 were not able to be reported by the end of the fiscal year. Of the remaining measures, 33% (16 KPIs) were met, 10% (5 KPIs) were nearly met, and 21% (10 KPIs) were unmet. In FY 2016, DOEE had 68 Initiatives. Of those, 50% (34) were completed and 28% (19) were nearly completed, and 22% (15) were not completed. The next sections provide greater detail on the specific metrics and initiatives for DOEE in FY 2016.

FY16 Objectives

Division	Objective
Energy Administration/DOEE	Reduce the energy burden on the District's most vulnerable and low income populations
Energy Administration/DOEE	Reduce overall energy consumption and increase the use of renewable energy generated in the District
Energy Administration/DOEE	Enhance reliability, resiliency and environmental performance of energy systems in the District
Environmental Services Administration/DOEE	Improve the design, implementation, and enforcement of emission control programs to reduce air pollution
Environmental Services Administration/DOEE	Return District lands to productive use by effectively managing brownfields and underground storage tanks
Environmental Services Administration/DOEE	Transform District residential housing into homes that do not contain environmental health hazards
Natural Resources Administration/DOEE	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
Natural Resources Administration/DOEE	Improve regulatory compliance through increased enforcement and more efficient customer service
Natural Resources Administration/DOEE	Monitor the health of the District's natural resources
Natural Resources Administration/DOEE	Encourage the public to protect natural resources through education and outreach
Office of Community Relations	Educate District residents, businesses, institutions and government through targeted public education campaigns to encourage environmentally-friendly and energy efficient practices
Office of Enforcement/DOEE	Increase enforcement quality and activities in order to bring polluters into compliance with the District's environmental laws
Office of the Director/DOEE	Oversee the implementation of agency-wide priorities
Office of the Director/DOEE	Increase transparency of grant programs
Office of the Director/DOEE	Establish and continuously maintain regulations that protect and improve the environment for District residents
Office of the Director/DOEE	Promote green business and job development
Urban Sustainability Administration/DOEE	Increase the understanding and adoption of innovative sustainability practices, including climate change adaptation, within DOEE, the District Government, and the community
Urban Sustainability Administration/DOEE	Continue to implement the Sustainable DC Plan (Sustainable DC Plan Governance Actions 1.1 and 1.2, Equity and Diversity 2.2, Climate and Environment Action 1.1, and Water Actions 1.2 and 1.3)

FY16 KPIs

Objective: Continue to implement the Sustainable DC Plan (Sustainable DC Plan Governance Actions 1.1 and 1.2, Equity and Diversity 2.2, Climate and Environment Action 1.1, and Water Actions 1.2 and 1.3)

Measure	Target	Freq	Q1	Q2	Q3	Q4	Total	KPI Status	KPI Barriers
Percentage of actions in the Sustainable DC Plan completed or under way	70	Q	92.31	95.1	95.1	95.1	94.4	Met	

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

Measure	Target	Freq	Q1	Q2	Q3	Q4	Total	KPI Status	KPI Barriers
Number of online-related posts (including press releases, tweets, Facebook posts)	664	Q	356	504	402	775	2,037	Met	
Number of school visits, community-related meetings/events that promote DOEE program and activities	104	Q	9	32	24	22	87	Unmet	Missing the target is attributed to fewer schools being visited by the Energy Hero program since it is being re-envisioned and enhanced.

Objective: Encourage the public to protect natural resources through education and outreach

Measure	Target	Freq	Q1	Q2	Q3	Q4	Total	KPI Status	KPI Barriers
Number of Aquatic Resources Education Center visitors	4,000	Q	335	88	506	1,206	2,135	Unmet	AREC was closed for more than 45 days due to water main break during peak visitation period.

Objective: Improve regulatory compliance through increased enforcement and more efficient customer service

Measure	Target	Freq	Q1	Q2	Q3	Q4	Total	KPI Status	KPI Barriers
Percentage of stormwater management plans approved that contain a low impact design component	80	Q	91.18	91.89	85.42	63.79	80.8	Met	

Percentage of illicit discharge complaints investigated within 5 business days	100	Q	100	100	100	100	100	100	Met	
Number of inspections for stormwater management erosion/sediment control	9,500	Q	1,478	1,654	1,016	1,746	5,894		Neutral Measure	
Number of Bag Law inspections	550	Q	123	147	159	141	570		Neutral Measure	
Number of coal tar inspections	60	Q	2	0	31	26	59		Neutral Measure	
Number of MS4 facilities inspected	170	Q	22	28	21	53	124		Neutral Measure	
Percentage of drainage complaints responded to within 2 business days	100	Q	70.37	87.76	100	71.43	83.9		Unmet	This was added to 311 in January, resulting in more complaints. Program was also short staffed part of the FY.

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

Measure	Target	Freq	Q1	Q2	Q3	Q4	Total	KPI Status	KPI Barriers
Number of days in which ozone levels exceed the National Ambient Air Quality Standards	12	Q	0	0	2	3	5	Met	
Percentage of facilities taking corrective action to mitigate air quality violations as required by an NOV or compliance order	100	Q	100	100	100	100	100	Met	
Compliance rate of gas stations and dry cleaners inspected	70	Q	100				100	Met	Program was short-staffed in FY16. Fully staffed at start of FY17 and will increase # of inspections in FY17.
Number of full-compliance evaluations of Title V facilities	20	Q	0	3	4	12	19	Nearly Met	Slow start in first half of FY; program short staffed. Missed target by 1.
Number of asbestos inspections conducted	60	Q	9	31	30	130	200	Neutral Measure	

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

Measure	Target	Freq	Q1	Q2	Q3	Q4	Total	KPI Status	KPI Barriers
Amount collected from fines and penalties	190,000	M	27,899	47,230.20	56,110.2	47,034.7		Neutral Measure	
Number of Notices of Infraction processed	180	Q	231	122	46	75	474	Neutral Measure	

Compliance rate of enforcement actions processed	55	Q	60.79	19.27	60.53	28.13	45.7	Unmet	After updating Q1-Q3, final rate for year will be 46%, compared to our target of 55%.
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Objective: Increase the understanding and adoption of innovative sustainability practices, including climate change adaptation, within DOEE, the District Government, and the community

Measure	Target	Freq	Q1	Q2	Q3	Q4	Total	KPI Status	KPI Barriers
Greenhouse gas emissions reductions from the 2,006 baseline year to meet 2,050 goal	17.5	A					23.3	Met	Target of 17.5% reduction in FY16 was met and exceeded.
Number of businesses and institutions participating in sustainability pledges or challenges	400	Q	249	279	285	290	1,103	Met	
Number of LEED certified projects in the District	600	Q	538	558	581	611	2,288	Met	

Objective: Increase transparency of grant programs

Measure	Target	Freq	Q1	Q2	Q3	Q4	Total	KPI Status	KPI Barriers
Percentage of scheduled monitoring reports as defined in agency monitoring plan completed for each grant award	100	A					83.6	Unmet	TBD

Objective: Monitor the health of the District's natural resources

Measure	Target	Freq	Q1	Q2	Q3	Q4	Total	KPI Status	KPI Barriers
Number of MS4 outfalls inspected	190	Q	52	56	47	37	192	Neutral Measure	

Objective: 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

Measure	Target	Freq	Q1	Q2	Q3	Q4	Total	KPI Status	KPI Barriers
Square footage of green roofs installed	2e+05	Q	142,201	21,116	26,942	59,732	249,991	Met	
Number of installations for RiverSmart Communities Program	8	Q	2	0	6	4	12	Met	

Number of acres of District landscape retrofitted with green infrastructure to be able to naturally filter or capture rainwater for reuse	50	Q	164	34.1	46.4	74.6	319.1	Met	
Average cost incurred per RiverSmart Home Audit	422.35	Q	494	483	535	404	1,916	Neutral Measure	
Number of participants in RiverSmart Homes Program	1,300	Q	239	244	263	286	1,032	Unmet	Target was a little high in retrospect. Lost one FTE during the year. Some contracting delays impacted the number of installs as well.
Number of rain gardens installed on private land	125	Q	28	12	17	9	66	Unmet	Target was a little high in retrospect. Lost one FTE during the year. Some contracting delays impacted the number of installs as well.
Number of trees planted through third-party agreements	2,050	Q	627	29	255	51	962	Unmet	The Sustainable DC grant was completed in the first quarter and Casey Trees provides DOEE tree planting numbers in June and December. We are shortly issuing new tree planting grants for large parcels so numbers should recover by the end of the calendar year.

Objective: Reduce overall energy consumption and increase the use of renewable energy generated in the District

Measure	Target	Freq	Q1	Q2	Q3	Q4	Total	KPI Status	KPI Barriers
Number of applications reviewed within 45 days after receipt	100	Q	0	0					Target was met
Increase in generation capacity resulting from solar installations	2,900	Q	0	552.6	1,481.6	2,800	4,834.2	Met	
Number of solar installations incentivized for renewable energy	100	Q	0	0	34	135	169	Met	

Average cost per household to weatherize units	4,661.22	Q	0	0	0	0	0	0	Met	Units not weatherized in FY16. Federal grant and work extended into FY17.
Compliance rate of Energy Benchmarking	90	A						86.1	Nearly Met	Will continue ramping up enforcement in FY17
Rate of expenditure of DCSEU contract	100	A						99.1	Nearly Met	Nearly met, 99.1% expended
Percentage of renewable energy usage	14.5	Q	13.17	13.17	13.62	13.62	13.4		Nearly Met	Aggressive target. Traditional energy is still affordable in an upfront financial sense, and renewable requires significant incentivizing.
Number of buildings reporting ENERGY STAR benchmarking data to DOEE	1,800	A							Neutral Measure	

Objective: Reduce the energy burden on the District's most vulnerable and low income populations

Measure	Target	Freq	Q1	Q2	Q3	Q4	Total	KPI Status	KPI Barriers
Average cost per household to provide energy assistance	620.2	Q	647.9	634	695.8	615.9	2,593.6	Neutral Measure	We were recently granted an extension for the 2016 Fiscal Year by DOE, and we are in the process of completing the work
Number of low-income units weatherized	220	Q	0	0	0	0	0	Unmet	We were recently granted an extension for the 2016 Fiscal Year by DOE, and are in the process of completing the work.

Objective: Return District lands to productive use by effectively managing brownfields and underground storage tanks

Measure	Target	Freq	Q1	Q2	Q3	Q4	Total	KPI Status	KPI Barriers
Compliance rate of underground storage tanks inspected	83	Q	82.35	85.71	76.92	73.91	78.8	Nearly Met	Should probably change target to national federal standard rate of 76%.

Number of Significant Operational Compliance inspections of underground storage tanks completed	90	Q	17	14	26	23	80	Neutral Measure	
Number of hazardous waste inspections completed	75	Q	9	25	0	21	55	Neutral Measure	
Number of Brownfield assessments completed	8	Q	0	0	0	0	0	Neutral Measure	Contracting issues caused contract to be cancelled in FY16. New contract will be awarded in FY17 for this work.

Objective: Transform District residential housing into homes that do not contain environmental health hazards

Measure	Target	Freq	Q1	Q2	Q3	Q4	Total	KPI Status	KPI Barriers
Percentage of children under 36 months of age that are being screened for lead poisoning	68	A							Q4 data will be entered in FY17 Q1 after it is lab-certified. The target will be met or nearly met.
Number of pesticide marketplace inspections	50	Q	20	7	15	25	67	Neutral Measure	
Percentage of elevated blood level cases and other properties with identified hazards that are issued an Order to Eliminate Lead-Based Paint Hazards within 21 days of the property's risk assessment	100	Q	100	80	94.74	80	88.2	Unmet	21 days is aggressive target

FY16 Workload Measures

Measure	Freq	Q1	Q2	Q3	Q4	Total
Number of complaints received about presence of deteriorated paint	Q	4	11	18	24	57
Number of applications received for renewable energy incentives	Q	0	0	301	112	413
Number of chapter 2 permit applications received	Q	33	21	64	26	144
Number of air quality complaints received	Q	98	117	101	93	409
Number of ambient air quality monitors operated and maintained	Q	34	34	34	33	135
Number of Environmental Impact Screening Forms received	Q	8	15	11	9	43
Number of requests to respond to potential spills or releases	Q	45	42	39	46	172
Number of complaints of potentially unsafe pesticide use	Q	7	1	4	2	14
Number of new applications received for the Voluntary Cleanup Program (Brownfields)	Q	2	4	2	0	8
Number of pesticide applicators inspected in the District	Q	49	21	8	10	88
Number of active underground storage tank (UST) facilities registered in the District	Q	338	74	6	2	420
Number of active hazardous waste generators registered in the District	Q	1,098	1,092	1,100	1,117	4,407
Number of contaminated site clean-ups under regulatory oversight in the District	Q	154	143	143	163	603
Number of open leaking UST remediation sites under regulatory oversight	Q	3	6	7	5	21
Number of applications received for the RiverSmart Homes program	Q	167	263	537	266	1,233
Number of households receiving energy assistance	Q	9,443	8,456	3,414	2,507	23,820

FY16 Initiatives

Title: Evaluate the effectiveness and impact of LIHEAP in reducing the energy burden of households that received energy benefit assistance in FY 15

Description: In FY 16, DOEE will analyze the annual energy costs, amount of LIHEAP energy benefit assistance payment, and annual household income to determine LIHEAP's impact on reducing the energy burden of FY 15 program participants. DOEE will continue to process residents' Utility Discount Program (UDP) applications for the natural gas, electric, and water utility discounts during the LIHEAP energy benefit intake appointment time, to ensure that residents receive their LIHEAP and UDP benefits in a timely manner. DOEE will continue to collect the required data and information that will allow continued effectiveness and enhancement of both LIHEAP and UDP.

Complete to Date: Complete

Status Update: DOEE finalized the data analysis for 12,365 homes that received assistance in FY15. For those homes, the average annual burden before receiving LIHEAP was 22%; the average annual burden after receiving LIHEAP was 0.9%.

Title: Implement holistic approach to enhance the delivery of services offered to low income households

Description: In FY 16, DOEE will launch a pilot program in collaboration with the DCSEU to strategically target low income households that are high energy users and LIHEAP energy benefit assistance recipients, to provide deep energy efficiency and weatherization improvements and solar systems. The intent of this effort is to develop a seamless method of providing comprehensive energy efficiency and renewable measures, and leverage resources to reduce the energy costs of low income/high energy households. The EA will also conduct a study to provide recommendations regarding a mechanism for leveraging low-income utility subsidies authorized by the Public Service Commission of the District of Columbia (PSC), to finance deep weatherization and efficiency retrofits.

Complete to Date: Complete

Status Update: DOEE continued to integrate the solar and weatherization programs into LIHEAP. DOEE attempted to contact all clients who received solar in FY15 to receive weatherization services in FY16. DOEE plans to build on these efforts in FY17 so that our suite of programs are offered and implemented in a holistic way.

Title: Promote energy efficiency programs and energy efficient practices through an educational campaign. (Sustainable DC Plan Energy Action 1.6)

Description: In FY 16, DOEE will continue to promote energy education and energy-efficient practices to encourage behavioral changes that result in decreasing the energy burden of low income households. DOEE will provide do-it-yourself weatherization packages to LIHEAP energy benefit recipients and streamlined energy saving tips to all LIHEAP and UDP participants who are waiting to receive energy benefit assistance at DOEE's Energy Centers. DOEE will continue to strengthen its partnerships with low-income and social service providers and other community stakeholders to leverage energy efficiency resources and identify innovative approaches to market the energy programs and services offered in the District.

Complete to Date: Complete

Status Update: DOEE completed the distribution of weatherization do-it-yourself kits and energy efficient lightbulbs. DOEE is working to develop a new slideshow of energy efficiency facts and tips for LIHEAP and UDP clients who are waiting for assistance in the Energy Centers and has partnered with DOEE's Power Down program that was used with DCHA for reducing energy usage and providing educational and resident engagement activities

Title: Increase the impact of DOEE's innovative energy data disclosure program through enhanced enforcement and utilization of data collected. (Sustainable DC Plan Energy Action 1.1)

Description: In FY 16, DOEE will focus on increasing the compliance rate for buildings required to submit annual energy and water consumption data to DOEE. DOEE will expand enforcement actions against non-compliant building owners to ensure that all reports are completely and accurately submitted by the annual due date, as required by District law. Data quality issues will be detected through careful review and quantitative analysis of each report submitted. Notices of Violations (written warnings) and Notices of Infractions (fines) will be issued to non-compliant building owners and/or renters for failure to report their annual energy and water consumption data. DOEE will make the benchmarking data easier to access through customized maps and open source application program interfaces, and by providing more feedback to building owners and the public on how to accurately interpret the results. DOEE will also collaborate with the DCSEU, the US Department of Energy, other District agencies, and private sector stakeholders to design programs to help drive energy savings in large commercial buildings.

Complete to Date: Complete

Status Update: DOEE continued enforcement on CY14 data (compliance rate: 93%) and CY2015 data (compliance rate 86%), with over 133 Notices of Infraction issued and sent to OAH to date. DOEE completed a visualization map for benchmarking data. DOEE also published a report on data quality. Data is also available via APIs on OCTO'S data portal and the SEED platform

Title: Install electric vehicle charging stations at District-owned buildings and develop a comprehensive suite of strategies to help guide large fleets toward greater fuel efficiency and lower emissions

Description: In FY 16, DOEE will utilize funds from the U.S. Department of Energy's State Energy Program to purchase and install level 1 and 2 electric vehicle charging stations at District facilities to accelerate the adoption and use of electric and low emission vehicles in the District. DOEE will create a catalog of current large vehicles owned by District and federal governments, the Washington Metropolitan Area Transit Authority (WMATA), local universities, and other private entities such as United Parcel Service and FedEx. DOEE will also develop policies, programs, incentives, and new purchasing strategies to encourage fleet owners to switch to lower emission vehicles that will substantially exceed federal vehicle standards and result in cleaner air and improved quality of life.

Complete to Date: 75-99%

Status Update: Staff identified preliminary locations, stakeholders, and similar efforts that should be leveraged in order to provide a coordinated and coherent effort to install EV charging infrastructure. DOEE received support from Pepco and DDOT to assist with permitting and interconnection efforts. Staff drafted a statement of work and equipment requirements for a solicitation to be issued FY17

If Incomplete, Explanation: Initiative was delayed to align with recommendations of the Clean Energy Plan, the Greening the Fleet Study, and to leverage parallel efforts of sister agencies and other stakeholders. Purchase and installation of EVSE will be completed in FY17.

Title: Expand DOEE's strategic partnership with the DCSEU to explore new ways to finance energy efficiency and renewable energy projects and initiatives. (Sustainable DC Plan Energy Action 1.4, 2.3 and 3.4)

Description: In FY 16, DOEE will continue to provide technical assistance and guidance to help the DCSEU leverage significant amounts of private capital to finance cost-effective energy efficiency and renewable energy projects across the District's residential and commercial sectors. A major part of this initiative will involve DOEE working with the DCSEU and other private entities to sell any electric system capacity and environmental credits from energy efficiency projects funded by the DCSEU to the PJM Capacity Market. DOEE also plans to continue its partnership with the DCSEU to install solar photovoltaic systems on low-income homes through the Solar Advantage Plus Program.

Complete to Date: Complete

Status Update: DOEE successfully bid into PJM and received \$141,000 in revenue. Those funds will be used to expand DCSEU's programs and initiatives in FY17. Additionally, the DCSEU successfully implemented the Affordable Solar Program and Small Business Solar Pilot Program that installed solar panels on the roofs of small businesses and low-income households.

Title: Promote distributed energy resources by representing District Government in Formal Case 1130 convened by the Public Service Commission of the District of Columbia to broadly consider the technologies and policies that would be necessary to modernize the energy delivery system in the District.

Description: The proceeding will cover many topics impacting the sustainability, reliability, resiliency, and affordability of the District's energy system, and may include implementable policy recommendations. In FY 16, DOEE will help lead discussions, projects, and studies impacting policy and regulatory issues and participate in the collaborative stakeholder process. DDOE will seek opportunities to participate in the overall infrastructure planning of the electric and natural gas distribution systems, including the deployment of microgrids, and will provide substantive input to ensure that the District's ratepayers benefit from utility investments .

Complete to Date: 75-99%

Status Update: DOEE participated in additional stakeholder meetings and PSC's information session on pilot projects. DOEE submitted extensive comments on the issue of pilot projects, and procured a consultant, an expert on utility rate design and grid modernization, for advice on the proceeding. DOEE continues to discuss critical issues with PSC staff, and engage stakeholders

If Incomplete, Explanation: This has become a multi-year initiative

Title: Develop and implement an outreach, education, and recruitment strategy to expand the DC Municipal Aggregation Program (MAP), to help residents and businesses understand the benefits of bulk purchasing of electricity to reduce the cost of electricity and increase the District's commitment to purchasing 100 percent clean energy.

Description: In FY 16, DOEE will facilitate the completion of a survey to develop a baseline of the general understanding of electric choices and renewable energy options among targeted communities and customer classes in the District. The results of the survey will be used to develop a campaign, and to identify and build rapport with communities most likely to be a part of an aggregation. DOEE will also facilitate the design of a basic aggregation program with the goal of leading the customer through a simple process, from awareness to execution. The focus of the outreach phase will be to spread the message as far and wide as possible with uniform distribution across all 8 Wards. Through the development of a grassroots campaign, DOEE will operate with a goal to generate a greater understanding of electric choice, spread knowledge of the advantages of aggregation, and provide education regarding the accessibility and reliability of renewable energy, including solar Photovoltaic and thermal systems.

Complete to Date: Complete

Status Update: DOEE and a consultant have finalized educational materials, and designed the web content. DOEE has developed outreach events over the summer and a social media strategy

Title: Launch a demonstration project in collaboration with sister agencies to develop an implementation plan for a Neighborhood Resiliency Center

Description: In FY 16, DOEE will study the effectiveness of low-carbon resiliency and sustainability measures and examine the development of a specific demonstration project on a government-owned property, to incorporate innovative distributed generation and support technologies. The EA at a minimum will produce an implementation plan for the demonstration project, which would serve as a Neighborhood Resiliency Center for the nearby residents and businesses in the event of a prolonged outage.

Complete to Date: 50-74%

Status Update: DOEE amended the direction of this initiative mid FY16 and is conducting research on a potential proposal to use mobile battery sources to enhance neighborhood resiliency.

If Incomplete, Explanation: Initiative was reformulated mid FY16

Title: Conduct feasibility studies and in-depth research to provide recommendations for enhancing the performance of the District’s energy systems and reducing environmental impacts

Description: In FY 16, DOEE will conduct studies that include: 1) examining the Renewable Portfolio Standard to determine the eligibility of Combined Heat and Power and other resources; 2) exploring the feasibility of developing Energy Efficiency Resource Standards for the District; 3) analyzing various methods of low-carbon (waste heat) heating and cooling, including passive cooling, in collaboration with DC Water to study the potential for supplying heat and hot water to buildings from recaptured waste heat from sewer pipe; and 4) examining additional methods to reduce peak demand, including the use of battery storage as a demand response tool, to produce power during peak periods and reduce the cost of electricity, as well as other cost-effective demand response measures.

Complete to Date: Complete

Status Update: DOEE partnered with DC Water and Carbon Neutral Cities Alliance to promote sewer heat recapture and investigate air source heat pumps as a tool for renewable heating and cooling. DOEE developed a pilot neighborhood energy modeling for load-growth areas such as Mt. Vernon. The modeling provided energy-intense usage neighborhoods, and identified DER deployment for load management and peak reduction.

Title: Refine interagency coordination processes supporting the DC Partnership for Healthy Homes to eliminate environmental health hazards in the homes of vulnerable residents. (Sustainable DC Plan Built Environment Action 3.2, Age-Friendly DC Goal: Domain No. 3)

Description: DOEE chairs the DC Partnership for Healthy Homes, which includes other District agencies and private sector partners. In FY 16, the Partnership will seek to solidify existing interagency agreements as well as initiate collaborative relationships with additional public and private sector partners. The enhanced Partnership will result in the identification of an increased number of homes where vulnerable populations live, and increased pathways to hazard remediation.

Complete to Date: Complete

Status Update: DOEE has secured a steady flow of asthma-related referrals from the District’s Managed Care Organizations. In addition, DOEE now receives a steady flow of referrals from the DC Housing Authority and from the Office of the Tenant Advocate

Title: Enforce against property owners and managers violating laws to protect tenants from exposure to lead (Sustainable DC Plan Built Environment Action 3.2)

Description: DOEE enforces compliance with the District’s lead laws and regulations, including requirements to inform tenants about lead hazards. During FY 14 and FY 15, DOEE conducted office audits of property owners and/or property managers to verify their compliance with requirements to provide tenants with a completed District Lead Disclosure Form and the District Tenant Rights Form. It was found that most of those audited failed to comply with these requirements, and DOEE responded by providing compliance education. In FY 16, DOEE will follow up with the violators and take enforcement action against those who fail to provide tenants with information they need to protect their health.

Complete to Date: Complete

Status Update: DOEE continued to follow up on audits conducted in previous fiscal years and issued and Notices of Violation and provided compliance assistance

Title: Enhance inspection of minor air pollution sources in the District (Sustainable DC Plan Transportation Goal 4)

Description: There are many minor sources in the District that when combined account for approximately one-third of the emissions in the District that lead to ozone formation. Ensuring that these sources comply with applicable laws and make corrections and repairs where needed, will reduce air pollution in the District. Previously gas stations, dry cleaners, and auto painting operations have been inspected periodically or as complaints are received. In FY 16, that list of sources will be expanded to include emergency generators with air quality permits. Verification of a complete list of gas stations will also be undertaken. In addition, written procedures will be developed to determine how often each source is inspected and the criteria for selecting which sources to inspect in which years. Further,

inspection checklists will be developed and newly purchased iPads will be used to allow more efficient inspection and documentation of the inspections. These activities will increase the number of inspections that can be performed with the same staff.

Complete to Date: 25-49%

Status Update: An inspector was hired in Q3 to perform these inspections, and the supervisor is scheduled to start in Q1 FY17. A plan has been crafted to complete inspections of automotive paint shops, gas stations, dry cleaners, and emergency generators in FY17.

If Incomplete, Explanation: Agency lost an inspector and supervisor in FY16 who were to lead this initiative.

Title: New and revised air quality regulations in the District (Sustainable DC Plan Transportation Goal 4)

Description: In FY 16, DOEE proposes at least three regulations to improve air quality in the District. The list of potential regulations includes: extensive revision of the asbestos abatement regulations, to include for the first time, buildings with fewer than five residential units; reasonably available control technology (RACT) requirements for sources of oxides of nitrogen (NOx), the primary precursor pollutant for ozone formation; extensive revisions of the regulations for automotive painting, a source not only of ozone precursor pollutants but also a nuisance odor issue; revisions to the air quality permitting regulations; and regulations for a variety of generators, which are also sources of NOx.

Complete to Date: Complete

Status Update: All tasks in initiative completed.

Title: Implement new cost effective measures within the Voluntary Cleanup Program (VCP) for remediation of contaminated properties (Sustainable DC Plan Built Environment Action 3.1)

Description: In FY 16, DOEE will finalize VCP guidance documents that will be reviewed by the respective regulated community. DOEE will also work with Council to update the VCP provisions of the District's Brownfields Revitalization Act, resulting in a more streamlined process that will allow District property owners and developers to realize cost savings by working with the District on an effective corrective action plan approval and oversight process.

Complete to Date: 0-24%

Status Update: The VCP Guidance document has not be finalized, and amendments need to be approved by Council

If Incomplete, Explanation: The VCP Guidance document has not be finalized, and amendments need to be approved by Council

Title: DOEE will continue to encourage and facilitate an increase in Voluntary Remediation Action Program applications and support redevelopment of petroleum contaminated properties at Leaking Underground Storage Tank (LUST) sites

Description: In FY 16, DOEE will conduct an evaluation of the process for reviewing site assessment reports, corrective action plans, permits, approvals, and case closures, to identify and eliminate any weaknesses within the process. This will increase the throughput of applications and encourage greater participation by the development community.

Complete to Date: 75-99%

Status Update: DOEE will incorporate recommend VRAP application changes to the revised UST Regulations, expected to be published in FY17

If Incomplete, Explanation: Regs delayed until FY17

Title: DOEE will enhance how information is collected, tracked, and shared on Brownfields and LUST Cases

Description: In FY 16, DOEE will liaise with the Department of Consumer and Regulatory Affairs (DCRA), the District Zoning Office, and DC GIS to improve data sharing and public access to information on sites that are contaminated, remediated, or need deed restrictions as institutional controls against residential use.

In addition, a new database will be developed that will allow for better tracking of USTs and improve inspection capabilities. Whenever a decision to open or close a case, or an application is made to the Voluntary Remediation Action Program, the information will be made available to the public.

Complete to Date: 0-24%

Status Update: An inspector was hired in Q3 to perform these inspections, and the supervisor is scheduled to start in Q1 FY17. A plan has been crafted to complete inspections of automotive paint shops, gas stations, dry cleaners, and emergency generators in FY17.

If Incomplete, Explanation: Program lost an inspector and supervisor who were going to lead this initiative.

Title: Improve release detection and release prevention at UST facilities and facilitate better site assessments and cleanup at petroleum contaminated sites

Description: In FY 16, DOEE will review District UST regulations to meet the U.S. EPA June 2015 amendments. DOEE will consider updates to the public participation policy, voluntary remediation action program, and District risk-based assessment guidance, in addition to the development of new guidance on vapor intrusion and institutional control.

Complete to Date: 75-99%

Status Update: The research on LUST requirements for our revised UST regulations is completed. Incorporation into the regulations and publication is expected in FY17

If Incomplete, Explanation: UST Regulations will be finalized in FY17 to incorporate VRAP and other UST-LUST changes.

Title: Implement mandatory Integrated Pest Management (IPM) program aimed at preventing possible accidental exposure of pesticides to children at daycare facilities and schools

Description: In FY 16, DOEE will augment outreach to inform the public about the District's revised pesticides regulations for daycare facilities and schools. Printed material will be distributed and the media will be utilized to inform the public about the new program.

Complete to Date: 50-74%

Status Update: Over 400 Child Care Occupied facilities were notified of PECA, given steps to comply and an IPM plan template, and offered assistance. 40 facilities have submitted the plans after 2 Warning letters have been sent. DOEE will follow up with inspections, but will need to devise a comprehensive enforcement compliance strategy.

If Incomplete, Explanation: Program needed to send out 300 NOV's, far more than anticipated.

Title: Improve the current certification process of pesticide operators and applicators to apply registered pesticides in the District

Description: In FY 16, DOEE will install a new database that will improve tracking of the certification and training of pesticide operators and applicators. Additionally, DOEE will enhance the pesticide product registration process to better track the products registered.

Complete to Date: Complete

Status Update: Data conversion was completed during this quarter and there was intensive training for the Pesticide Program staff. DOEE worked with DCRA to complete the licensing transition from DCRA to DOEE. The program (DCPLANTS) went live in Q4. The inspection module will be added to the DCPLANTS program in FY17 to allow the Pesticide Program inspection activities to operate paperless

Title: Implement a program to purchase Stormwater Retention Credits (SRCs) (Sustainable DC Plan Water Goal 2 and Actions 1.4, 3.3, and 3.4)

Description: The SRC trading program, established on July 19, 2013, is the first of its kind in the nation. This program allows properties that voluntarily install green infrastructure to generate and sell SRCs in an open market to projects required to comply with DOEE's stormwater management regulations. In FY 16, DOEE will implement a program to purchase SRCs to encourage greater private investment in green infrastructure retrofits in order to reduce stormwater runoff.

Complete to Date: 75-99%

Status Update: DOEE has awarded a grant to a not-for-profit organization to administer the SRC trading program. DOEE is working with the grantee to prepare the program for launch. In addition, DOEE and OCFO are finalizing agreements to establish an escrow account that will fund the program

If Incomplete, Explanation: Needed to award a grant to an org to administer the program and open escrow accounts to fund program.

Title: Finalize and implement updated RiverSmart Homes incentives (Sustainable DC Plan Water Goal 2, Action 2.3)

Description: In FY 16, DOEE will finalize revisions to the RiverSmart Homes program to provide District homeowners with more choices and greater incentives to increase voluntary installation of green infrastructure on private properties. These changes will be incorporated into new requests for applications and grants awarded in FY 16.

Complete to Date: Complete

Status Update: RiverSmart Homes implemented its new incentive structure on July 15, 2016. So far the response to the changes from homeowners and contractors has been positive. We are keeping an eye on the installation rate, which dipped slightly in the first couple of months after the changes were implemented. We believe this may be attributed to contractors spending more time per property.

Title: Retrofit the Rock Creek Park Carter Barron Tennis Center and Amphitheater with green infrastructure (Sustainable DC Plan Water Goal 2)

Description: In FY 16, DOEE will begin the design and construction of stormwater retrofits for this highly visible 11-acre parking area on National Park Service land. This project will reduce stormwater pollution, restore natural hydrology, prevent flooding and erosion, and enhance natural habitat for the federally listed endangered Hay's Spring amphipod (*Stygobromus hayi*).

Complete to Date: 25-49%

Status Update: A contractor has been selected for this work and the contract, which is over \$1 million, is waiting on District Council review. This will hopefully occur in November and design work will begin in December 2016

If Incomplete, Explanation: Waiting on District Council review of contract over \$1 million.

Title: Design and install stormwater retrofits on Department of Parks and Recreation (DPR) lands (Sustainable DC Plan Water Goal 2)

Description: In a new partnership with DPR, DOEE will undertake the design and construction of stormwater retrofits for at least five District parks. The projects will address uncontrolled stormwater, which has negatively impacted DPR infrastructure, as well as beautify the parks and enhance recreational activities.

Complete to Date: 25-49%

Status Update: The contract was awarded for the Takoma Park project and a kickoff meeting scheduled. The Amidon Park contract should be awarded soon. DOEE is relying on DGS to contract the remaining projects. To date, DGS has not issued the RFPs or provided a timeline for the work

If Incomplete, Explanation: Contracting delays primarily

Title: Encourage restoration of native meadows and early successional habitat on public and private lands

Description: In accordance with the District's 2015 Wildlife Action Plan, in FY 16 DOEE will encourage native meadow and early successional habitat restoration by meeting with landowners and providing them with comprehensive suitability assessments. DOEE will also quantify and map lands that have been converted to

meadow or early successional habitats. These restoration efforts will provide vital habitat for native wildlife while helping to control stormwater runoff.

Complete to Date: 25-49%

Status Update: DOEE has met with DDOT, DGS, and DPR regarding converting suitable lands into meadows. DOEE has identified several potential locations and completed one meadow near Franklin and Michigan Avenue NE. DOEE is scheduling a meeting with the partners to determine the next course of action. Additional work may be able to commence in spring 2017

If Incomplete, Explanation: Ran into logistical issues that need to be addressed with sister agencies before completing additional meadow projects.

Title: Conduct a floodplain study of Oxon Run

Description: In FY15, DOEE initiated multi-jurisdictional communications and coordination where representatives from the District and Prince George's County agreed to collaborate to restore Oxon Run, a tributary of the Potomac River. The watershed is shared by the jurisdictions. In FY 16, DOEE will conduct a floodplain study along Oxon Run that will provide comprehensive flood modeling and mapping in support of the restoration project. Oxon Run will be the largest stream restoration undertaken by the District and will result in numerous environmental benefits, including potential flood mitigation for existing properties located within a high-risk flood zone.

Complete to Date: 50-74%

Status Update: USACE completed the survey of Oxon Run in FY16, which included survey work on both District and NPS land along Oxon Run in the District. The full study should be completed by the end of FY17

If Incomplete, Explanation: MOU delays primarily

Title: Field test stormwater smart control devices (Sustainable DC Plan Water Action 1.1)

Description: The Metropolitan Washington Council of Governments (COG) received a grant from the National Fish and Wildlife Foundation to study the effectiveness of stormwater smart controls in the Anacostia River watershed. The District of Columbia, Prince George's County, and Montgomery County supported the application and are assisting with the project. The control devices receive real-time weather data and use rainfall prediction to optimize the storage capacity of stormwater management practices, such as ponds, cisterns, and bioretention. The controllers release only the volume of water necessary to accommodate the predicted event. COG has installed two controllers at stormwater ponds: one that drains to Sligo Creek in Montgomery County and another that drains to Lower Beavercreek in Prince George's County. DOEE is assisting with design review and interagency coordination for a third controller that COG will install at a bioretention facility on Nannie Helen Burroughs Avenue NE in FY16. COG will collect stormflow water quality data for approximately one year. DOEE will use the study results to determine the feasibility for using this technology at other locations.

Complete to Date: 75-99%

Status Update: The device was installed at the bioretention facility on Nannie Helen Burroughs Ave. NE and receives real-time weather data, calculates the bioretention's storage capacity, and releases only the volume of water necessary to accommodate the upcoming rain event. MWCOCG will continue to collect stormflow water quality data for approximately one year

If Incomplete, Explanation: Monitoring of device will continue into FY17.

Title: Optimize the Stormwater Database to improve enforcement, program efficiency, and customer service

Description: In FY 15, DOEE developed a web-based database that integrates information from Stormwater Management Plans (SWMPs), Erosion and Sediment Control Plans, and inspections. In FY 16, DOEE will expand the functions of the Stormwater Database to improve the process of submitting and approving SWMP applications. The database will also collect inspection data, including photo evidence, track environmental impacts to District waterbodies, and incorporate a feature to electronically stamp plan documents.

Complete to Date: Complete

Status Update: Work continued in the fourth quarter of FY16. All enhancements described were developed; implementation of the electronic plan stamp feature is expected in FY17

Title: Update the Soil Erosion and Sediment Control Standards and Specifications and develop a field guide for contractors

Description: In FY 16, DOEE will update Soil Erosion and Sediment Control Standards and Specifications guidance to include the latest technologies to control sediment runoff. DOEE will also develop an easy-to-read, laminated companion field guide that provides illustrated examples of soil erosion control best management practices at construction sites. The field guide will be published in English and Spanish and distributed to building contractors.

Complete to Date: 50-74%

Status Update: DOEE staff is still conducting a technical review of the revised draft. The public comment period is now planned for the first quarter of FY17

If Incomplete, Explanation: Delays from grant process and internal technical review of draft guidance docs.

Title: Coordinate FEMA's Community Assistance Visit (Sustainable DC Plan Water Goal 2)

Description: In FY 16, DOEE will coordinate with the District Homeland Security and Emergency Management Agency (HSEMA) and DCRA to prepare for the Federal Emergency Management Agency's (FEMA's) Community Assistance Visit (CAV) in March 2016. This visit is an audit of the District's implementation of National Flood Insurance Program (NFIP), including a review of the past five years of floodplain development permits and a tour of floodplain areas to identify any violations of the District's floodplain regulations. This will be first FEMA CAV since the District joined NFIP in 1976. DOEE will work with sister agencies to conduct the CAV and address issues FEMA has identified, including revising the standard operating procedures for the District's Floodplain Regulations.

Complete to Date: Complete

Status Update: CAV was completed. Still awaiting final report from FEMA however.

Title: Expand and refine the mobile application for water quality inspection and investigation

Description: DOEE coordinated with the Office of the Chief Technology Officer (OCTO) in FY 13 and FY 14 to develop a custom software application to capture inspection and enforcement data in a relational geodatabase. In FY 15, DOEE inspectors began using this software in the field. The application is helping to improve data accuracy, completeness, and reporting for inspections of Municipal Separate Storm Sewer System (MS4) facilities, outfalls, federally permitted facilities, and illicit discharges. In FY 16, DOEE will refine the software to streamline workflow and reporting and improve query capabilities by adding two new modules: one to track follow-up visits/inspections and one to track individual and Multi-Sector General Permit inspections related to National Pollutant Discharge Elimination System requirements.

Complete to Date: 75-99%

Status Update: DOEE procured a new contractor to fix minor bugs in the programming and make further revisions and improvements to the second version of the application. The application is still fully functional and is used daily during the inspectors' routine tasks.

If Incomplete, Explanation: Additional bugs needed attention from outside contractor.

Title: Identify illegal discharges to Hickey Run and take enforcement action against polluters

Description: In FY 16, DOEE will conduct a strategic investigation of sources of pollution in Hickey Run, a tributary of the Anacostia River that flows through the National Arboretum. Development and impervious surfaces in the surrounding areas have seriously degraded and polluted the stream. The investigation will include collection of evidence to support enforcement actions against those responsible for the pollution, and DOEE will initiate enforcement actions to hold responsible parties liable.

Complete to Date: 50-74%

Status Update: DOEE completed additional monitoring and analysis from stormwater lines within the sewershed. This data will assist in locating target sections of the sewershed that are contributing contaminants and will help identify responsible parties. Additionally, since the BMP at the New York Ave Hickey Run outfall was installed, it has collected a large volume of sediment from the sewershed. This sediment was sampled and the data should give an idea of contaminants loaded to Hickey Run.

If Incomplete, Explanation: Monitoring and sampling was weather-dependent, and analysis has been delayed. This could become a multi year initiative.

Title: Implement water well regulations and develop a related guidance document

Description: In FY15, DOEE proposed water well regulations that establish standard procedures for the construction, maintenance, and abandonment of wells in the District. DOEE will implement the regulations and begin enforcing them before the end of FY 16. DOEE will also develop a guidance document to assist applicants with the well registration process and fee calculation.

Complete to Date: 75-99%

Status Update: The well regulations were forwarded to OPLA for final review before publication in Sept. DOEE staff and the consultant developed an outline of the guidance document contents and identified forms and schematics that need to be updated or developed for well permit applicants. A trifold was developed outlining the well permitting process for both public space and private wells

If Incomplete, Explanation: Extended review pushed final publication of regs to Oct 2016. They are final now.

Title: Implement new Foam Ban

Description: Expanded polystyrene, also known as foam or Styrofoam™, is one of the most common forms of trash pollution in District waterways. A new law, effective January 1, 2016, prohibits District businesses and organizations from serving prepared food and beverages in foam containers. DOEE will conduct a comprehensive, District-wide outreach campaign that will include in-person visits, mailings, phone calls, and emails to regulated entities and other relevant stakeholders. Once the ban takes effect, DOEE will begin enforcement, initially focusing on compliance assistance and warnings and then ramping up issuance of fines to regulated entities that continue to distribute foam products.

Complete to Date: Complete

Status Update: DOEE continues to enforce the ban and has issued both warnings and fines. DOEE has found the compliance rate remained at around 80% through FY16

Title: Update the project and data framework for the Wetland Conservation Plan and Registry (Sustainable DC Plan Nature Goal 1, Actions 1.1 and 1.2)

Description: In FY 16, DOEE will create the Wetland Registry geodatabase structure, which involves defining the attributes and restoration/mitigation potential for the District's known wetlands, creating suitability guidelines for wetland creation, and aggregating and normalizing data according to OCTO's geographic information system (GIS) standards. DOEE will continue to engage stakeholders and will also work with federal and District partners to secure access to land that needs to be assessed.

Complete to Date: 75-99%

Status Update: The field work has been 95% completed (only the Arboretum remains). DOEE staff have completed internal review and provided comments for the draft of the wetland conservation plan, which was developed by the consultant (WSSI) in cooperation with DOEE staff

If Incomplete, Explanation: Field truthing and internal review of wetland conservation plan.

Title: Update fine-scale mapping project of District watersheds and subwatersheds (Sustainable DC Plan Nature Goal 1, Action 1.3)

Description: In FY 16, DOEE will continue to collaborate with the Office of the Chief Technology Officer, DC Water, and the United States Geological Survey on the fine-scale mapping project. FY 16 deliverables include developing a pilot local-resolution for the Anacostia Watershed test case, conducting staff training, and developing draft National Hydrography/Watershed Boundary Datasets for the District's portion of the project.

Complete to Date: 75-99%

Status Update: The majority of the outfall locations have been rectified. The culverts have proved to be a challenge due to conflicting data or the absence of data. The interagency team has now approached DDOT for assistance with the culvert data

If Incomplete, Explanation: Missing or conflicting infrastructure data delayed initiative. Working with sister agencies to rectify.

Title: Propose rulemaking for the triennial review of the District's Water Quality Standards

Description: The District Water Quality Standards are revised every three years with public participation and a public hearing under the authority of the federal Clean Water Act and the DC Water Pollution Control Act of 1984. In FY 16, DOEE will use the latest scientific findings on ambient water quality criteria to update the Water Quality Standards and publish a proposed rulemaking, which will protect designated uses as identified in the regulations. DOEE will conduct stakeholder engagement activities prior to publication.

Complete to Date: 75-99%

Status Update: In August 2016, DOEE received approval from DMPED and OPLA to conduct the Triennial Review of the District of Columbia's Water Quality Standards. The draft regulations were completed and submitted to the General Counsel. DOEE and DC Water have held several meetings to resolve issues raised by DC Water.

If Incomplete, Explanation: Required policy approval from OCA and multiple meetings with DC Water in attempt to resolve concerns.

Title: Publish proposed wetland regulations (Sustainable DC Plan Nature Goal 1, Action 1.2)

Description: In FY 16, DOEE will finalize the review and comment process for the draft wetland regulations, which will be promulgated in FY 17. DOEE will coordinate efforts with DCRA and the United States Army Corps of Engineers. DOEE will also conduct stakeholder's engagement activities prior to publication.

Complete to Date: 50-74%

Status Update: DOEE and USACE had a conference call to discuss the draft regulations, and USACE provided their comments to DOEE on July 27, 2016. DOEE staff edited the draft regulations to address USACE's comments and routed the revised version on August 30 for internal review.

If Incomplete, Explanation: DOEE gave sister agencies and federal gov ample opportunity for review of draft regs, delaying completion.

Title: Implement a revised monitoring program consistent with the requirements of the District's MS4 Stormwater Permit. (Sustainable DC Plan Water Goal 3, Action 3.5)

Description: In FY15, DOEE submitted a revised monitoring program to the U.S. EPA Region 3 for approval. The revised monitoring program will be used to produce wet weather pollutant loading estimates, identify pollutant sources, track progress toward total maximum daily load (TMDL) waste load allocations, and evaluate the health of receiving waters. DOEE will implement the revised monitoring program in FY 16, upon EPA's approval.

Complete to Date: 75-99%

Status Update: The details of the monitoring plan will be incorporated into the District's next MS4 Permit for implementation during the next permit term beginning in FY17

If Incomplete, Explanation: Awaiting approval from EPA and incorporation into the next MS4 permit they issue the District.

Title: Implement a Fisheries Management Plan to restore DC's native fisheries

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

Complete to Date: Complete

Status Update: DOEE is implementing its 5 year work plan, completed its FY16 studies and surveys in accordance with federal grant requirements, and documented the restoration of the American Shad in the Potomac River in FY16.

Title: Develop and publish a new RiverSmart Homes website and blog. (Sustainable DC Plan Water Goal 2, Action 2.3)

Description: In FY 16, DOEE will create an external website and blog to engage current, past, and future RiverSmart Homes participants by providing resources that empower them to better understand and prevent stormwater runoff on their properties and in their communities. The website, www.riversmarthomes.org, will provide a suite of evergreen resources for homeowners on maintenance, pesticide use, habitat creation, street tree assistance, and other stormwater related issues. The blog, embedded in the website at www.riversmarthomes.org/blog, will feature examples of practices and timely updates, such as seasonal maintenance tips and reminders to prepare for major rainstorms.

Complete to Date: 50-74%

Status Update: The new RiverSmart incentives has gone into effect, and staff is now updating content for the website and blog, which will be implemented in FY17

If Incomplete, Explanation: Namely staffing changes and de-prioritization until new RiverSmart incentives were adopted.

Title: Increase fishing regulation compliance by employing an education before enforcement approach

Description: In FY 16, DOEE will work with District landowners to erect signs in high-target areas to inform the angling community of the District's fishing and licensing requirements and anglers' responsibilities. DOEE will also conduct a survey to gauge regulatory compliance.

Complete to Date: 75-99%

Status Update: Limited funds prevented the completion of this effort in FY 2016. Efforts will resume in FY 2017 with renewed funding.

If Incomplete, Explanation: Limited funds prevented the completion of this effort in FY 2016. Efforts will resume in FY 2017 with renewed funding.

Title: Conduct enhanced outreach on the fish consumption advisory

Description: In FY 16, DOEE will conduct fish consumption advisory outreach to provide the general public with information regarding the risks associated with, and best practices for, consuming fish from the Anacostia and Potomac river. DOEE will maintain physical signage at popular fishing locations, in addition to disseminating information on the agency website, on fishing licenses, and via social media.

Complete to Date: Complete

Status Update: Completed in previous quarter.

Title: Create a connectivity map to guide development of viable habitats throughout the District

Description: In FY 16, DOEE will collect and analyze data on plant species population, distribution, and abundance and create comprehensive maps of vegetative cover. These maps will help DOEE identify corridors that wildlife can utilize for home range and migratory behaviors and that are the most successful or harmful

for species movements. DOEE will prioritize the maps and corridors to identify greater species risks and methods to reduce those risks.

Complete to Date: Complete

Status Update: Initiative completed as part of District's Wildlife Action Plan.

Title: Expand DOEE visibility and rapport with District residents, particularly in historically underserved neighborhoods (Sustainable DC Plan Equity and Diversity Action 2.1)

Description: In FY 16, DOEE will enhance efforts to directly engage District residents (including children, seniors, and low-income residents) through community service organizations and community events. The OCR will coordinate efforts with the Department's new equity and engagement program analyst.

Complete to Date: Complete

Status Update: Made more social media posts and participated in more community events and meetings than ever before in effort to reach more residents across all 8 wards

Title: Enhance the Energy Patrol Program for District elementary and middle school students

Description: In FY 16, DOEE will augment the Energy Patrol Program to include broad environmental education. In addition, the program will implement a tracking mechanism to measure student progress and collect information on program effectiveness.

Complete to Date: 50-74%

Status Update: DOEE continues to work toward retooling this program. We are in the process of contracting an independent entity to rehaul and restructure the program.

If Incomplete, Explanation: DOEE is issuing a grant for the development of new energy and environmental education programming.

Title: Plan and execute community outreach activities and produce outreach materials and social media content to promote the mission and services of DOEE and Sustainable DC

Description: In FY 16, DOEE will continue to develop targeted outreach materials and participate in community events with focus on the environment, energy, and sustainability. Sample events that the Department will participate in include Earth Day, Adam's Morgan Day, Senior Expo, DC Housing Fair, school conventions, and World Environment Day.

Complete to Date: Complete

Status Update: DOEE coordinated and/or staffed approximately 22 events this quarter. Three hundred and twelve (312) tweets were sent and, as a result, we garnered 233 new follows. Forty-eight (48) posts were made to FaceBook and 17,673 YouTube views have been made to date.

Title: Enhance enforcement planning

Description: In FY 16, DOEE will implement a process to coordinate development of enforcement goals and initiatives. This process will help focus enforcement efforts by identifying priorities and opportunities for cross-agency enforcement to address environmental problems that threaten the District's air, water, lands, wildlife, and the health of its people.

Complete to Date: Complete

Status Update: DOEE developed and began implementation of a multi-media inspection plan to promote cross-program inspections where appropriate. OEEJ also worked with managers in all programs to identify inspection, compliance, and enforcement objectives for FY 2017.

Title: Streamline enforcement by adopting templates for common enforcement documents

Description: DOEE enforces multiple laws that protect public health and the environment. In FY 16, DOEE will adopt a set of standardized enforcement templates for use by all agency enforcement programs to streamline enforcement and help ensure consistency and quality.

Complete to Date: Complete

Status Update: DOEE now has standardized enforcement templates for Administrative Orders, Cease and Desist/Stop Work/Stop Sale Orders, Permit Actions, Notices of Violation, and Notices of Infraction.

Title: Facilitate tracking of enforcement actions

Description: In FY 16, DOEE will facilitate tracking of agency-wide enforcement by including enforcement actions in a centralized database. This will make it easier to identify repeat violators, areas of concern, and enforcement priorities. This database will become part of an integrated agency-wide inspection, compliance, and enforcement database now under development.

Complete to Date: 75-99%

Status Update: DOEE completed enhancement of its Enforcement Database and has integrated the majority of programs into the enhanced version.

If Incomplete, Explanation: This initiative will not be 100% complete until ICE database is done.

Title: Continue managing the remedial investigation and initiate a feasibility study for remediating contaminated Anacostia River sediments

Description: In FY 16, DOEE will produce a draft remedial investigation (RI) report, which will include an assessment and evaluation of human health and ecological risks resulting from contamination of the river sediments. Subsequently, DOEE will investigate specific locations requiring further examination based on any data gaps identified in the RI report. DOEE will continue to evaluate damage to fish and wildlife in the Anacostia River and determine the quantity and quality of sediment contaminants entering the District from Maryland tributaries. DOEE will identify areas of concern, notify Potentially Responsible Parties (PRPs), and initiate negotiations with the PRPs. DOEE will also initiate a feasibility study in FY 2016, that when completed, will provide a detailed assessment of viable methods of remediation

Complete to Date: Complete

Status Update: Public comment period resulted in receiving 335 comments on the draft remedial investigation report. Responses to comments have been prepared. A follow-up investigation was completed in summer of 2016. Samples are currently being analyzed by the contracted laboratory. The data will undergo data validation before it is ready for use. An updated RI Report will be prepared in FY 2017. DOEE initiated a feasibility study.

Title: Enhance resident awareness and support of Sustainable DC and engagement in sustainability initiatives. (Sustainable DC Plan Equity and Diversity Actions 2.1 and 2.2, Age-Friendly DC Goal: Domain No. 4)

Description: In FY 16, DOEE will continue to increase the number and diversity of sustainability outreach programs and events. DOEE hired an equity and engagement program analyst in Q4 of FY15, and the new staff person will partner with other agencies and nongovernmental organizations to expand Sustainable DC outreach to diverse constituencies and underserved neighborhoods. DOEE will continue to fund and support the Smarter DC Challenge, a business sustainability competition that was launched to promote sustainability in businesses across the District.

Complete to Date: Complete

Status Update: The SDC Ambassador program ran spring through fall 2016 with 20 new ambassadors at community engagement events nearly every weekends. DOEE also launched an SDC Flickr account to capture sustainability related pictures from the community to be used in future communications campaigns. Current campaigns include the continuation of the climate photo contest exhibit and a transit shelter campaign.

Title: Engage with stakeholders and complete a new Comprehensive Energy Plan (CEP or Plan) for the District. (Sustainable DC Plan Energy Actions 1.5, 1.6, 2.3, and 3.1; Transportation Action 4.3)

Description: The CEP is a five-year plan that will establish energy goals and bold solutions that will serve the District well into the future. The CEP will be developed in two phases, 1) research and writing, and 2) stakeholder review and comment. Phase 1 will build on previous drafts of the CEP, consisting primarily of technical analysis and modeling. Phase 2 will generate stakeholder comment to give DOEE confidence that the new CEP adequately reflects the realities of the District's energy environment. The CEP is intended to be a living document that DOEE will update as needed to guide the efforts of District government and other sectors, inform the allocation of resources, respond to new opportunities, and adjust to unanticipated energy market changes.

Complete to Date: Complete

Status Update: On Sept 7 and 8, DOEE conducted a detailed peer review on the draft plan: over 80 stakeholders representing 40 organizations attended one of 6 meetings. 180 comments were submitted, 122 were incorporated into the revised draft; the other 58 will be addressed later. A final draft of the CEP was submitted to DOEE on 9/30/16. The plan, now called Clean Energy DC, will be released in October 2016

Title: Restore three streams in the Anacostia Watershed (Sustainable DC Plan Water Goal 2.)

Description: In FY 16, DOEE will begin the construction phase for three multi-year stream restoration projects in the Anacostia Watershed: Nash Run, Springhouse Run, and Pope Branch. DOEE completed the design phase and the majority of the procurement process for these projects in FY15. Over 7,000 linear feet of stream will be restored in total. These projects will create wildlife habitat, improve water quality in the streams and the Anacostia River, and engage residents with their surrounding environment.

Complete to Date: 75-99%

Status Update: The Nash Run Project has been completed. The Pope Branch project is 90% complete and will be fully completed in November 2016. The Springhouse Run project has just begun construction and should be completed in mid-FY 17

If Incomplete, Explanation: Contracting pushed one of the three projects later into FY17.

Title: Enable the development and deployment of community renewable energy facilities throughout the District (Sustainable DC Plan Energy Actions 2.3 and 2.4)

Description: In FY 16, DOEE will utilize available Renewable Energy Development Funds to facilitate the development of Community Renewable Energy Facilities (CREFs), and encourage broad participation in District-based tier one renewable electric generation by District residents through outreach and education in all eight wards. DOEE will collaborate with the Department of General Services, the District of Columbia Sustainable Energy Utility (DCSEU), and local solar contractors to build CREFs on District-owned facilities to support Low Income Homes Energy Assistance Program (LIHEAP)-eligible residents within the communities served by the facilities. DOEE will coordinate with the DCSEU and local solar installers to provide a range of opportunities to train District residents on how to install and maintain CREFs. DOEE will also continue to support regional efforts led by the Metropolitan Washington Council of Governments to streamline solar permitting and interconnection processes, and educate District residents about the economic and environmental benefits of clean energy generated through CREFs.

Complete to Date: 50-74%

Status Update: Project consultant has completed site analyses (technical feasibility) and some site prep (debris removal) for three sites representing a combined solar potential of approximately 4.9 MW. The team is currently in the process of narrowing down strategic and financial options for deployment, and drafting solicitation specifications

If Incomplete, Explanation: MOU with DGS and consultant work.

Title: Expand the District's tree planting and coordination efforts to achieve the Sustainable DC goal to cover 40 percent of the District with a healthy tree canopy by 2032

Description: In FY 16, DOEE will co-host a Tree Summit with DDOT, kick off Canopy 3000 (a campaign to plant an additional 3,000 new trees in 2016), establish a new MOU with DDOT on tree planting responsibilities, establish the Urban Forestry Advisory Committee, and hire a new full time tree policy specialist at DOEE. Completion Date: September, 2016.

Complete to Date: 75-99%

Status Update: The Urban Forestry council launched in September 2016. The tree policy specialist began research on urban tree and solar policy, and drafted an RFP for a marketing services for District tree initiatives. The grantees developed draft tree planting plans for mutually agree upon sites. The plans are currently under review and planting is expected to start in October 2016

If Incomplete, Explanation: Tree planting scheduled to start in fall (2016), which is the optimal planting season.

Title: Streamline grantee monitoring in compliance with new federal requirements

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

Complete to Date: 75-99%

Status Update: DOEE updated its grant management processes and templates to ensure compliance with the new Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards. DOEE developed and implemented a risk assessment tool, updated all grant competition and award templates. The agency engaged in extensive research to seek out a centralized grants management database for use across all divisions. Based on what was feasible, some DOEE programs are showcasing grant funded projects on DOEE's website.

If Incomplete, Explanation: The agency has not yet procured a grants management database, due to difficulties in finding a system feasible for DOEEs needs at a reasonable price. DOEE is currently working with a sister agency, to test a system purchased by them for a DOEE grant competition.

Title: Author, revise and/or publish environmental regulations, including regulations that pertain to environmental services, natural resources, energy policy, and sustainability

Description: This initiative is continuing into FY 16, as DOEE is required to regularly update and improve the portions of the Municipal Code of Regulations under its regulatory authority to protect public health and the environment. The Department also develops new regulations when required by newly enacted laws, and develops regulations to enact new programs. By the end of FY 16 the Department expects to promulgate final versions of regulations to: set standards for mold assessment and remediation licensure and certification, set wells and borings standards, govern hazardous air pollutants, set a pesticides standards schedule of fines, implement the expanded polystyrene ban, implement an annual stormwater fees inflation adjustment, govern the LIHEAP program, reorganize Title 20 of the DCMR, and implement provisions of product stewardship and sustainable waste laws.

Complete to Date: 75-99%

Status Update: DOEE published final versions of the radon contractor requirements, paint stewardship, and stormwater fee discount rules, along with a proposed version of the electronic waste rules. DOEE staff have finalized the LIHEAP, electronic waste, stormwater fees inflation adjustment, wells and borings, auto body paint shop, biosolids, and paint stewardship schedule of fines rules, all of which will be published pending OPLA certification

If Incomplete, Explanation: Based on the complexity of the rulemakings and the extensive stakeholder feedback received, the wells and borings, electronic waste, and LIHEAP rules were not published as final in Q4. However, DOEE has submitted them to OPLA for approval, and these remaining rules are slated for final publication in early FY17.

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

Description: In FY 16, DOEE will work with the Department of Small and Local Business Development, the Deputy Mayor for Planning and Economic Development, and other District Government agencies through the Smarter DC Challenge program to promote and provide guidance to new and existing green businesses in the District. DOEE will also continue to administer the District's Sustainability Awards, recognizing businesses and institutions for their commitment to environmental practices. Additionally, DOEE will share stories of green businesses with the District-wide sustainability community.

Complete to Date: Complete

Status Update: DOEE held the Green Zone Employment program this summer and is hosting five Green Fellows from DC universities. DOEE also continues to support the Smarter DC Challenge, which will be brought in house in FY17. The SDC newsletter and social media apps regular feature businesses that are leaders in sustainability, including past winners of the District Sustainability award and other notable private sector partners. Planning is underway for the 2017 District Sustainability Awards to honor well performing green businesses and organizations

Title: Support the development of green jobs and career preparation

Description: In FY 16, DOEE will work to expand green job opportunities by 1) hosting a Green Job Supply and Demand Conference that will bring together area stakeholders who train and hire for green jobs to identify gaps, strengthen training programs, and improve hiring practices, 2) establishing a new green fellowship program at DOEE that partners with local universities to attract graduate level students for complex projects, 3) expanding the Green Zone Environmental Program to include additional training and partnerships so that program graduates can be matched with local green job training programs and employers, and 4) working with DCSEU, University of the District of Columbia (UDC), Department of Employment Services (DOES), and Department of District of Columbia Public Schools (DCPS) to continue to identify opportunities that prepare District residents for careers in green jobs.

Complete to Date: Complete

Status Update: DOEE established a Anacostia River Clean Up and Green Infrastructure Job Training for 20 underserved and underemployed District residents. DOEE completed the first year of the Green Fellow initiatives for DC graduate level students. OEE is currently recruiting for the second cohort of Green Fellows. DOEE executed its SYEP-GZEP program this summer. DOEE launched GZEP Solar Plus to train 15, 18-24 SYEP participants in solar installation and energy efficiency. Three participants secured full-time jobs at the conclusion of the summer.

Title: Strengthen community engagement and action related to sustainability (Sustainable DC Plan Equity and Diversity Action 2.1)

Description: In FY 16, DOEE will work collaboratively with new strategic partners, including faith-based institutions and community organizations, with a particular focus on Wards 5, 7, and 8, to better engage residents and act upon opportunities aligned with the Sustainable DC Plan. In addition, USA will develop training materials for DOEE staff and community partners to serve as a resource for equitable inclusion in sustainable practices.

Complete to Date: 75-99%

Status Update: Bias Reduction training occurred in Q4. The Climate Ready DC public engagement efforts proved to be a great cross-branch effort for the USA team. The partnership with the Anacostia Community Museum has deepened and evolved to result in our participation in a climate justice community forum that will feature two staff and conclude with the Picture This Climate Photo contest exhibit. The community forum's panelist were selected by DOEE based on growing relationships with diverse community partners

If Incomplete, Explanation: In FY 17, we will be building an Equity Advisory committee that will guide our actions related to Climate Ready DC implementation. The committee was not established in FY 16 simply due to the Plans release in conjunction with the public comment period timeline. A greater emphasis was placed on the Climate Ready DC plan in lieu of the Sustainable DC plan itself, although CRDC plan is a product of SDC; they're fully connected.

Title: Engage District businesses to increase environmental compliance and sustainability leadership. (Sustainable DC Plan Equity and Diversity 2.2, Transportation Actions 3.3 and 4.2)

Description: In FY 16, DOEE will develop and execute new business outreach programs to increase environmental compliance and the implementation of sustainable best practices. USA will support other DOEE divisions to develop a clear path of regulatory compliance and leadership in sustainability. To aid in this effort, USA will coordinate and lead a multiagency workgroup to ensure business engagement and regulatory compliance.

Complete to Date: Complete

Status Update: DOEE coordinated its 4th workshop, Air, Energy and Waste 101” for building engineers in September (in FY16 150 attended these workshops). USA also coordinated an Auto Services Workshop (25 attendees). The Smarter DC Challenge grant to Greenspace ended September 30, 2016. USA will operate the program in-house with FTE. DOEE expects an adjustment in the SDCC participant numbers when the program is moved in-house.

Title: Research and test innovative new policies and programs within green building and energy efficiency (Sustainable DC Plan Built Environment Action 3.5, 4.1, 4.2, and 4.5, Energy Action 2.2 and the Sustainable DC Mayors Order Sections 6 and 8)

Description: In FY 16, DOEE will research and test new techniques in green building through the Green Building Fund Grant Program, collaborate with other leading cities to advance best practices, and run innovative pilot programs. Research and programs anticipated for FY 16 include in-depth analysis in green finance mechanisms, a microgrid feasibility study and toolkit, a grant for supporting deep sustainability planning at the District’s large scale development projects, the creation of heat island and cool roof mapping, and a behavior change program for the multifamily residential sector to encourage utility efficiency.

Complete to Date: Complete

Status Update: The Sustainable Planning and Analysis Grant was awarded to a team led by Hickok Cole Architects. They focused on St. Elizabeths East Campus during this project, the draft report was delivered and final report will be delivered by the end of FY17 Q1. Final reports have been delivered for the Microgrid, Green Finance, Power Down DC and Smarter DC Challenge grants with significant and anticipated progress documented for all projects

Title: Advance climate change mitigation and adaptation (Sustainable DC Plan Climate and Environment Actions 1.2, 1.3, 2.1, and 2.4, and Transportation Action 1.4)

Description: In FY 16, DOEE will complete the citywide Climate Adaptation Plan that will assess the vulnerability of the District to the impact of climate change, including threats to energy, transportation, and other critical infrastructure from flooding, extreme weather, and extreme heat. The Climate Adaptation Plan will include recommendations for strategies and policies to improve the resilience of these systems. USA will coordinate with other District agencies to explore new programs to advance resilience, including the creation of a program to install cool roofs on District low-income residential buildings in order to mitigate urban heat island and reduce unhealthy conditions for residential tenants. USA will also work with other agencies to incorporate resilience strategies into relevant District policies and plans, including the District’s Comprehensive Plan, construction codes, and capital improvement plans. In order to advance climate change mitigation, USA will also update the District’s greenhouse gas emissions inventory, and will work to find funding sources to update the District’s Climate Action Plan to continue to work towards reducing greenhouse gas emissions 50 percent by 2032 and 80 percent by 2050.

Complete to Date: Complete

Status Update: The final Climate Ready DC plan, reflecting the public comments received, was submitted to the Mayor’s Office and approved. DOEE received more than 300 comments and survey responses. The updated plan is now being designed and will be released with a public event in November. DOEE reported updated GHG emissions to CDP in April and will soon publish a report detailing trends in emissions from 2006-2013.

Title: Continue to implement the Sustainable DC Plan (Sustainable DC Plan Governance Actions 1.1 and 1.2, Equity and Diversity 2.2, Climate and Environment Action 1.1, and Water Actions 1.2 and 1.3)

Description: In FY 16, DOEE will work with the 27 District Government agencies with responsibilities in the Sustainable DC Plan, and with community partners, to continue to make robust progress on the implementation of the plan. USA will track and analyze information to develop sustainability tools, policies, and programs, and communicate progress by the District Government and community leaders. Progress reports and tools will be publicly available in person and online.

Complete to Date: Complete

Status Update: DOEE released the 2016 Progress Report on Earth Day. 80% of the plan's actions are underway and 15% are complete. DDOE also continues to remain in close communication with over 100 staff people at 27 different District Government agencies with weekly emails updates and at least biannual meetings. We send a monthly email newsletter to over 5,000 people and maintain a robust website with progress reports, tools, and information on programs and policies

Title: Advance the commitment to sustainable building for all new construction and large scale development projects. (Sustainable DC Plan Built Environment Actions 4.1, 4.3, and 4.4, and Energy Actions 2.3 and 3.3, and Water Actions 2.1 and 2.2)

Description: In FY 16, DOEE will work with private developers to incorporate higher commitments to sustainability, integrate renewable energy technology, and investigate district- and neighborhood-level green building strategies. Through engaging developers and their teams early in the design process, USA will recommend strategies and incentives that advance sustainability goals across multiple target areas of the Sustainable DC Plan, including design for low-impact stormwater management, energy and water efficiency, and net zero energy and water buildings. USA will continue efforts to promote sustainability on the three large-scale EcoDistrict projects that represent different market sectors and socioeconomic conditions in the District. USA will also explore partnerships with the development sector to reduce energy and water use, and work on updates to the Green Building Act and DC Green Construction Code.

Complete to Date: Complete

Status Update: DOEE continued to work with sister agencies to host an ULI technical assistance panel to explore sustainable utility options for the Union Market neighborhood. In addition, we worked with OP to frame the Buzzard Point Vision Framework Plan as driven by the city's sustainability and climate goals. Progress was made in incorporating Microgrid and district energy technology for St. Elizabeths East, GSA's HOTD plant, New City, and Buzzard Point

Title: Advance the commitment to create greener, healthier and more efficient residential buildings, with a focus on housing affordability. (Sustainable DC Plan Built Environment Actions 3.1, 3.4, 3.5, 4.1, 4.3, 4.4, and 4.5 and Energy Action 1.6, 2.3, and 3.3, and Water Actions 2.1 and 2.2)

Description: In FY 16, DOEE will work with the residential building sector, including the development community and other stakeholders, to create greener, healthier and more efficient residential buildings, with an emphasis on supporting housing affordability through greater utility efficiency, renewables deployment, and household cost-savings. In particular, USA will coordinate expanding green affordable housing choices for District residents by partnering with the housing agencies, particularly the DC Housing Authority and Department of Housing and Community Development to identify opportunities for innovation in deep green retrofits and new construction. In addition, USA will research the expansion of existing programs and the creation of new initiatives that will support the greening of residential buildings not covered by the Green Building Act or DC Green Construction Code, including single family and low-rise multifamily.

Complete to Date: Complete

Status Update: Recommendations were finalized as a playbook and presented to DOEE Director Tommy Wells. Recommendations will be prioritized and developed into an implementation strategy in FY 17. The executive summary will be published on the DOEE website in 2017.

Title: Create the Path to Zero Waste (Sustainable DC Plan Waste Actions 1.3, 1.4, and 2.4)

Description: In FY 16, DOEE will aid in the development of a zero waste strategic plan to include source reduction, reuse, recycling, composting, and conversion

of compostable solid waste into biofuel. At the same time, USA will implement electronics and paint product stewardship programs, recommend new policies to reduce toxics in the waste stream, and facilitate reuse and recycling of valuable and hard to recycle materials. USA will also support businesses in reducing waste through the Smarter DC Challenge and partnering with businesses in the District's three designated EcoDistricts.

Complete to Date: Complete

Status Update: DOEE participated in quarterly Interagency WasteWorking groups convened by DPW. While plans for the Zero Waste Plan have been delayed due to staff capacity issues at DPW, DOEE is proactively working with staff there to help fill gaps and help in plan preparations to hit the ground running when the official planning process launches