



## District Department of the Environment DDOE (KG)

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### MISSION

Protect and enhance human health and the environment through preservation, conservation, restoration, education, enforcement and energy efficient practices to improve the quality of life in the District of Columbia and build a world-class green city.

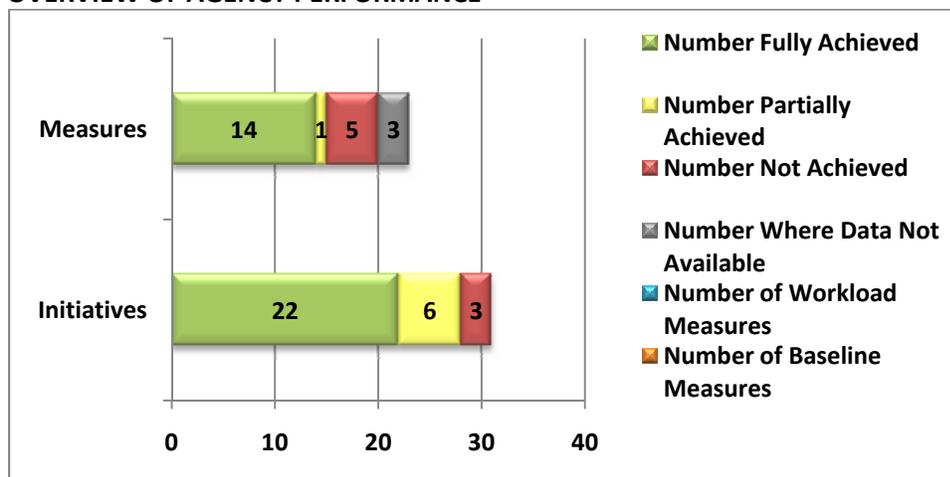
### SUMMARY OF SERVICES

The District Department of the Environment is the lead agency for creating, promulgating and enforcing District of Columbia environmental standards. The Department also provides certification, review and technical analysis services to both the District government and District residents through inspections, training programs and permitting processes.

### ACCOMPLISHMENTS

- ✓ RiverSmart Homes: In FY10 DDOE staff conducted 752 RiverSmart Home audits, a 63% increase from FY09. In FY10, 1,033 RiverSmart practices were installed, a 180% increase from FY09. The RiverSmart Homes program helps property owners reduce stormwater pollution by installing innovative landscape features including rain barrels, rain gardens, pervious paving, shade trees, and native landscaping.
- ✓ Green Roofs: In FY10, DDOE successfully implemented the expansion of the private-owner subsidy green roof rebate program. Additionally, DDOE entered into MOUs and transferred funds to five District Agencies including DCPL, OPEFM, FEMS, DRES and UDC for the installation of green roofs. In FY10 these funding efforts resulted in the installation of 120,645 square feet of new green roofs across seventeen properties.
- ✓ Weatherization of low-income homes: In FY10, DDOE weatherized 482 homes using ARRA funds and 1,151 units using non-ARRA funds, assisting low-income residents to increase energy savings in their homes. There is ongoing monitoring and evaluation of the work being done and all reporting requirements are being met.

### OVERVIEW OF AGENCY PERFORMANCE





## Performance Initiatives – Assessment Details

### Performance Assessment Key:

-  Fully achieved     Partially achieved     Not achieved     Data not reported

### OFFICE OF THE DIRECTOR

#### OBJECTIVE 1: INCREASE CUSTOMER SATISFACTION THROUGH EFFICIENT BUSINESS PRACTICES

- INITIATIVE 1.1: Implement a core customer service delivery training program for all public contact positions.**

DDOE conducted two very successful training sessions for eleven public contact employees at the 1200 First Street location. The training outlined the duties of the staff responsible for servicing the Receptionist area. The requirements of the Language Access Program and the testing requirements for the Office of Unified Communications were also reviewed. The employees were receptive and open to the information provided, and rendered positive feedback on various ways that the agency as a whole can improve upon its Customer Service delivery. The Energy Affordability Division will receive the same training in FY11 once they have co-located with DHS.

#### OBJECTIVE 2: PROMOTE GREEN ECONOMIC DEVELOPMENT

- INITIATIVE 2.1: Complete a feasibility study for a green business incubator.**

DDOE completed a feasibility study for a green business incubator in 2009 and shared it with OP and DMPED to consider alternatives.

#### OBJECTIVE 3: ESTABLISH AND CONTINUOUSLY MAINTAIN REGULATIONS THAT PROTECT AND IMPROVE THE ENVIRONMENT FOR DISTRICT RESIDENTS.

- INITIATIVE 3.1: Write and implement additional air pollution control, voluntary cleanup, lead and underground storage tank regulations.**

Several staff attorneys were involved in the above mentioned regulations, which are a work-in-progress. DDOE is working to have these regulations completed by the end of the calendar year. Status of the regulations is as follows: 1. The Volatile Organic Compounds (VOC) Proposed Rulemaking was published on August 13, 2010. DDOE is currently addressing comments. 2. DDOE staff attorneys and program staff are working to finalize lead regulations. 3. The Energy Policy Act Rulemaking for Underground Storage Tanks was completed and published on July 10, 2009, and the Underground Storage Tank Civil Infractions Amendment is in review phase. 4. DDOE is in the process of incorporating comments by EPA on the voluntary cleanup program regulations. A revised draft should be available by the end of October 2010.

### OFFICE OF POLICY AND SUSTAINABILITY

#### OBJECTIVE 1: IDENTIFY GOVERNMENT-WIDE SUSTAINABILITY INITIATIVES.



- **INITIATIVE 1.1: Expand the GreenDC Agenda by increasing, tracking and analyzing District agency contributions.**  
FY10 efforts to expand the Green DC Agenda focused on developing action items related to the draft Climate Action Plan. Staff were not able to return to the full Agenda to review action item status or expand the list of action items. Efforts to include community actions were also focused on development of the discussion draft of the Climate Action Plan for community actions.

#### **OBJECTIVE 2: TRACK AND REPORT ON GREEN BUILDING PROGRESS AND COMPLIANCE.**

- **INITIATIVE 2.1: Complete annual green building status report.**  
The green building report is still in process. Given program resources and deadlines stated in oversight hearings, DDOE prioritized working toward compliance on the ENERGY STAR benchmarking over working on the GBAC report. Data collection was completed for the public benchmark process which measures the energy performance of District public buildings using the ENERGY STAR Portfolio Manager tool. Results will be included in the report along with reporting from prior years.

#### **OBJECTIVE 3: COMPLETE ANALYSIS AND PLAN FOR CLIMATE CHANGE MITIGATION AND ADAPTATION.**

- **INITIATIVE 3.1: Complete greenhouse gas emissions baseline.**  
In January 2010, DDOE released a baseline inventory of the District's greenhouse gas emissions attributed to both government operations and broader community activities during calendar year 2006, which is available to the public at <http://green.dc.gov/climate>. The community inventory includes estimated GHG emissions from all building energy use, vehicle fuel use and transportation, and emissions from waste streams. As a subset of the community inventory, there is an in-depth analysis of emissions from the District's local government operations, including government-operated facilities and streetlights, vehicle fleet and off-road equipment, and waste generated by government operations.
- **INITIATIVE 3.2: Complete climate action plan for the District.**  
DDOE staff, working with representatives from agencies across the government, completed draft plans with quantitative targets and timelines for government operations greenhouse gas emissions reductions. The plan was released September 10, 2010. The document also included a discussion draft to begin community engagement and planning for a city-wide Climate Action Plan. Completion of the plan is estimated for early 2011.

### **OFFICE OF ENFORCEMENT AND ENVIRONMENTAL JUSTICE**

#### **OBJECTIVE 1: INCREASE ENFORCEMENT COLLECTIONS.**

- **INITIATIVE 1.1: Increase the amount collected from fines and penalties by 10%.**  
DDOE collected \$158,997 in FY09 and \$264,196 in FY10, respectively, from civil infractions fines and penalties. This represents an increase of 66% from FY09 to FY10, far exceeding the 10% target increase.

#### **OBJECTIVE 2: IMPROVE DATA MANAGEMENT SYSTEMS.**

- **INITIATIVE 2.1: Revise the central enforcement database.**



This project was not completed. The staff assigned to work on this project was transferred to another program. The OEEJ currently does not have the staff or resources to complete this project.

- **INITIATIVE 2.2: Create and manage a central filing room.**  
The Central Records Room is in operation. DDOE developed a Records Management Team (RMT) to assist with the management of the room. The RMT organizes files, develops records databases, handles records retrieval requests and archives closed records. The Team has archived over 200 boxes of closed records. The Central Records Room currently houses over 6,000 files representing 5 environmental programs.

## OFFICE OF COMMUNITY RELATIONS (OCR)

### OBJECTIVE 1: EDUCATE AND ENCOURAGE ENVIRONMENTALLY-FRIENDLY AND ENERGY EFFICIENT PRACTICES TO DISTRICT RESIDENTS, BUSINESSES, INSTITUTIONS AND GOVERNMENT.

- **INITIATIVE 1.1: Increase scope of outreach and education programs by reaching 55% of District residents.**  
In FY 10, DDOE exceeded the goal of reaching 55% of District residents to promote messages that encourage environmental protection and stewardship. Paid advertising helped to reach thousands of residents through the "Skip the Bag" and "Joint Utility Discount Day" promotions. DDOE staff attended hundreds of community outreach events and distributed over 45,000 reusable bags. DDOE staff held school assemblies throughout the District, educating students, teachers and facility managers on how to conserve energy and use renewable sources.

### OBJECTIVE 2: Develop targeted public education campaigns around upcoming DDOE and District initiatives and programs.

- **INITIATIVE 2.1: Conduct a public education campaign about the Anacostia River Clean-Up and Protection Act of 2009.**  
DDOE has completed the majority of the requirements under this action item; others are currently in progress. DDOE kicked-off the "Skip the Bag, Save the River" public education campaign in November 2009 to introduce residents and businesses to the provisions of the District's Bag Law. (1) Bag distribution is in progress. To date, DDOE has distributed over 45,000 bags to students, seniors and low-income residents. (2) DDOE partnered with OTR to mail a letter and 5 language versions of the decals to all registered District businesses in December 2009. (3) Information about bag distribution, FAQs, press releases and other educational information about the Bag Law was posted on DDOE's website (at <http://green.dc.gov/bags>) prior to January 2010 and continues to be updated regularly. (4) The full advertising campaign is currently in progress and includes TV and radio commercials, newspaper ads, and signage at the Verizon Center and Metro stations and on Metro buses.
- **INITIATIVE 2.2: Develop a point-of-sale rebate campaign for the Appliance Rebate Program.**  
DDOE has completed the procurement of a vendor to administer the Appliance Rebate Program. The delayed start date for the program was October 25, 2010. The DDOE website was updated to reflect the new start date, and previous visitors will get an e-mail alert for the start of the program.
- **INITIATIVE 2.3: Implement the Energy Patrol program in all District elementary schools.**



In FY10, the Energy Patrol program was very successful. In schools throughout the District, teachers, students and school facility managers were involved in identifying energy waste in the school building and correcting the problems. School assemblies were held, educating the students about energy efficiency techniques and renewable energy. The Energy Patrol program will continue in FY 11.

## ENERGY OFFICE

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

● **INITIATIVE 1.1: Increase weatherization of low-income homes to increase energy savings for residents.**

In FY10, DDOE weatherized 482 homes using ARRA funds and 1,151 units using non-ARRA funds, assisting low-income residents to increase energy savings in their homes. There is ongoing monitoring and evaluation of the work being done and all reporting requirements are being met.

**OBJECTIVE 2: Facilitate market transformation by providing incentives for energy efficiency and conservation practices and renewable energy generation.**

● **INITIATIVE 2.1: Increase energy efficiency audits to available to District home owners.**

The Home Energy Rating System program began in August 2010 with three new RESNET certified contractors and they are conducting home energy audits across District. Since there are three contractors this time (compared with two previously), DDOE expects that 1,500 audits will be completed in FY 2011 and in FY 2012 to meet the goal of 3,000 energy audits to expend all the funding.

● **INITIATIVE 2.2: Expand and more efficiently administer rebates for energy efficient appliances.**

The contract was awarded to the rebate fulfillment company by OCP on September 28, 2010. DDOE had the kick-off meeting with the contractor on October 5, 2010 and the appliance rebate program officially began on October 25, 2010 after the process for processing rebates was finalized and publicized on DDOE's website, and other requirements of the District were put in place. As the program rolls out, the rebates will be processed within 4 -6 weeks with an aim to reducing this over time.

● **INITIATIVE 2.3: Implement Sustainable Energy Utility**

The SEU Contractor evaluation and selection is in process and on track to be completed within the required timeframe. DDOE will enter into contract negotiations during December, 2010 and and move towards completing the process. DDOE will publicly announce the winning bidder after the contract is awarded.

## OFFICE OF ENVIRONMENTAL PROTECTION

**OBJECTIVE 1: Transform DC residential housing into homes that do not contain environmental health hazards.**

● **INITIATIVE 1.1: Eliminate most lead hazards in highest-risk housing through pro-active inspections.**



The Lead and Healthy Housing Division initiated a proactive process to ensure existing lead-based paint hazards are eliminated throughout the District. Starting in the 4 highest risk Wards, letters were sent to the owners of the largest pre-78 residential properties offering them a choice: either they wait for DDOE inspectors to conduct formal lead inspections of their properties, or they produce documentation demonstrating to DDOE that they are taking or have taken appropriate steps to ensure lead safety at their properties. DDOE has gotten a positive response from many of these owners, allowing us to target our enforcement resources more efficiently to those who've ignored our letter.

- **INITIATIVE 1.2: Develop and broaden Healthy Housing program in order to address more residential hazards.**

DDOE has begun participating in a project with the Columbia, MD-based National Center for Healthy Housing to disseminate information about Integrated Pest Management to thousands of District tenants. DDOE has also initiated new partnerships focused on the promotion of Healthy Housing, both with other District agencies and with community partners, in preparation for a joint proposal to HUD for a 3-year Healthy Homes Production grant of \$1 million, which will be submitted in early November 2010.

**OBJECTIVE 2: Improve the Design, Implementation, and Enforcement of Emission Control Programs to Reduce Air Pollution.**

- **INITIATIVE 2.1: Improve timeliness of response to air quality inspection findings.**

Inspection report templates and procedures were developed. Group and one-on-one trainings were held with the inspectors. However, we were not able to improve the timeliness of response to air quality inspection findings. We will continue to work toward the goal in FY11.

- **INITIATIVE 2.2: Reduce diesel emissions within the District.**

The stimulus diesel grant was extended to 9/30/11. DDOE and DDOT are coordinating on outreach regarding anti-idling. DPW has 10 alternative fuel vehicles in the procurement process. The FY09 and FY10 Diesel Emission Reduction Act grant awards were received at the end of FY10 and grant acceptance letters were sent. The budgets will be established in early FY11 and work will begin on the two projects: purchase of a CNG street sweeper for DPW and a cruise ship repower.

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

- **INITIATIVE 3.1: Facilitate brownfield redevelopment.**

DDOE's Brownfields or Voluntary Cleanup Program currently has 11 active sites that were monitored in FY10. Two cases were closed in FY10. Due to reduced funding from EPA and a FY10 sweep of VCP revenue funds, DDOE was not able to fund actual site assessments. On a positive note, DDOE was able to draft new VCP regulations in FY10, which have been reviewed by EPA and are proceeding toward publication. With new regulations and incentives in place, it is anticipated that the VCP will become an attractive tool for developers.

- **INITIATIVE 3.2: Reduce Releases from Underground Storage Tanks and Cleanup Existing Contaminated Sites.**



Historically, there have been a total of 1,685 Leaking Underground Storage Tank (LUST) cases in the District. Currently 261 (15%) are still open pending closure. This is a significant reduction in the number of petroleum contaminated sites in the District. In FY11, 61 cleanups were completed. Of the 261 open cases, 87% of are in active compliance and should achieve closure within the next few months to years. The number of LUST sites which qualify for stimulus funding is two. One of these sites is expected to be closed shortly. DDOE completed a total of 52 UST SOC inspections in FY10, compared to a grant commitment of 50. The commitment in FY11 is 60 inspections.

## OFFICE OF NATURAL RESOURCES

### OBJECTIVE 1: Manage nonpoint source pollution / stormwater runoff by promoting Low Impact Development throughout the District of Columbia

- **INITIATIVE 1.1: Increase RiverSmart Homes properties by 50%.**  
In FY10, DDOE staff conducted 752 RiverSmart Home audits, a 63% increase from FY 09. In FY10, 1,033 RiverSmart practices were installed, a 180% increase from FY 09. The RiverSmart Homes program helps property owners reduce stormwater pollution by installing innovative landscape features including rain barrels, rain gardens, pervious paving, shade trees, and native landscaping.
- **INITIATIVE 1.2: Increase green roof projects by 120,000 square feet installed.**  
In FY10, DDOE successfully implemented the expansion of the private-owner subsidy green roof rebate program. Additionally, DDOE entered into MOUs and transferred funds to five District Agencies including DCPL, OPEFM, FEMS, DRES and UDC for the installation of green roofs. In FY10 these funding efforts resulted in the installation of 120,645 square feet of new green roofs across seventeen properties.
- **INITIATIVE 1.3: Promote and encourage Low-Impact Design (LID) to the development community.**  
In FY10, DDOE produced several presentations for the development, design and engineering community on low impact development technologies and the green infrastructure approach to onsite stormwater managing for local talks with DCBIA, MWCOG, and the National Building Museum. The LID brochure is being revised to reflect a wider universe of practices and update photographs. These brochures are to be distributed through the DCRA's homeowner resource center and will be available online when the update is finalized. DDOE's LID Specialist continues to act in an advisory role with development teams at pre-development meetings to help "green" the stormwater infrastructure of these projects at the conceptual stage, notable projects have included the Canal Park project, the redevelopment of the old Convention Center as well as the St Elizabeth area. DDOE's LID grants to nonprofits in FY10 included Common Good City Farm, Anacostia Riverkeeper, Casey Trees, THC Affordable Housing, Inc., and the Golden Triangle BID. These will result in the installation of multiple innovative demonstrations to manage roof, sidewalk and roadway runoff on-site or in the public rights of way.

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

- **INITIATIVE 2.1: Increase inspections for stormwater and erosion/sediment control compliance**



In FY10 DDOE completed 7009 inspections for regulatory compliance for erosion/sediment control. DDOE conducted an additional 981 inspections of watershed sites involved in the development of watershed implementation plans and the installation of green practices.

- **INITIATIVE 2.2 Improve customer service response to drainage complaints**  
DDOE responded to a total of 61 drainage complaints in FY10. All were responded to within 2 business days of receipt.

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

- **INITIATIVE 3.1: Expand wildlife and plant surveys to adequately assess District habitats.**  
Though survey reports are generated annually, fish, wildlife, and plant surveys are ongoing. DDOE completed the expansion of each survey in FY10.

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

- **INITIATIVE 4.1: Conduct an outreach campaign to increase visitors to the Aquatic Resources Education Center.**  
DDOE achieved its visitation goal for fiscal year 2010 and continues to promote the Aquatic Resource Education program in route to achieving its 2011 and 2012 visitation goals. Marketing and promotion efforts will continue to ensure that the Aquatic Resource Education program remains relevant and viable.



## Key Performance Indicators – Details

### Performance Assessment Key:

● Fully achieved    
 ● Partially achieved    
 ● Not achieved    
 ● Data not reported

	Measure Name	FY2009 YE Actual	FY2010 YE Target	FY2010 YE Actual	FY2010 YE Rating	Budget Program
<b>OFFICE OF POLICY AND SUSTAINABILITY</b>						
●	1.1 % of District Cabinet agencies reporting Action Items for Green DC Agenda	40%	75%	42.65%	56.86	POLICY AND SUSTAINABILITY
<b>OFFICE OF ENFORCEMENT AND ENVIRONMENTAL JUSTICE</b>						
●	1.1 Amount collected from fines and penalties	\$158,997	\$174,997	\$260,796	149.03%	ENFORCEMENT & ENVIRONMENTAL JUSTICE
<b>OFFICE OF COMMUNITY RELATIONS</b>						
●	1.1 % of District residents reached by DDOE Outreach and Education	55	55	72.12%	131.14%	COMMUNITY RELATIONS
●	2.1 % of Appliance Rebate participants claiming their rebate at the point-of-sale	0	0	0	0%	COMMUNITY RELATIONS
<b>ENERGY ADMINISTRATION</b>						
●	1.1 Total units weatherized	251	350	482	137.71%	ENERGY EFFICIENCY AND CONSERVATION
●	1.2 Average reduction in energy consumption per unit weatherized	15	8	16%	162.96%	ENERGY EFFICIENCY AND CONSERVATION
●	1.3 Number of households receiving energy assistance	24085	Baseline	33550		ENERGY ASSISTANCE BENEFIT PAYMENTS
●	2.1 Home Energy Rating System audits performed	929	1200	93	7.75%	ENERGY EFFICIENCY AND CONSERVATION



2.2	Reduce rebate processing time for energy efficient appliances (in weeks)	7	6	N/A	N/A	ENERGY EFFICIENCY AND CONSERVATION
<b>ENVIRONMENTAL SERVICES ADMINISTRATION</b>						
1.1	% of elevated blood level cases and other properties with identified hazards that receive an Order to Eliminate Lead-Based Paint Hazards within 15 days of being assessed.	45.83	55	61.67%	112.12%	LEAD AND HEALTHY HOUSING
1.2	% of eligible children being screened for lead poisoning.	34	34	41	120.59%	LEAD AND HEALTHY HOUSING
1.3	1.1: Number of cases of children under age six identified with a blood lead level at or above CDC's threshold of concern of 10 micrograms of lead per deciliter of blood	0	100	89	112.36%	LEAD AND HEALTHY HOUSING
2.1	Number of days in which ozone levels exceed the National Ambient Air Quality Standards.	0	0	18	0%	AIR QUALITY
2.2	Tons of diesel NOX emissions prevented	3.5	1	0	0%	AIR QUALITY
2.3	Number of diesel-powered vehicles or engines replaced or retrofitted.	60	20	0	100%	AIR QUALITY
3.1	Number of Brownfields assessments completed	7	30	0	452.50%	TOXIC SUBSTANCES



NATURAL RESOURCES ADMINISTRATION						
1.1	# Participants in RiverSmart Homes Program	359	160	1079	674.38%	WATERSHED PROTECTION
1.2	% of construction plans approved that contain a low impact design component.	40	25	51.81%	207.25%	WATERSHED PROTECTION
2.1	# of inspections for stormwater management erosion/sediment control	3411	7900	7009	88.72%	WATERSHED PROTECTION
2.2	% of drainage complaints responded to within 2 business days	62	90	100%	111.11%	WATERSHED PROTECTION
3.1	Number of days Dissolved Oxygen exceeds ambient water quality criteria identified in the District Water Quality Standards*	59	0	50	0%	WATER QUALITY
3.2	# of wildlife surveys	11	12	12	100%	FISHERIES AND WILDLIFE
4.1	# of Aquatic Resources Education Center visitors	790	1200	5430	452.50%	FISHERIES AND WILDLIFE