



## 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.

#### SUMMARY OF SERVICES

The District Department of the Environment (DDOE) is the lead agency for creating, promulgating and enforcing District of Columbia environmental standards. Additionally, DDOE develops and implements innovative policy and programming solutions to address environmental challenges, including issues such as climate change, property contamination, sustainable development and natural resource protection. 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.

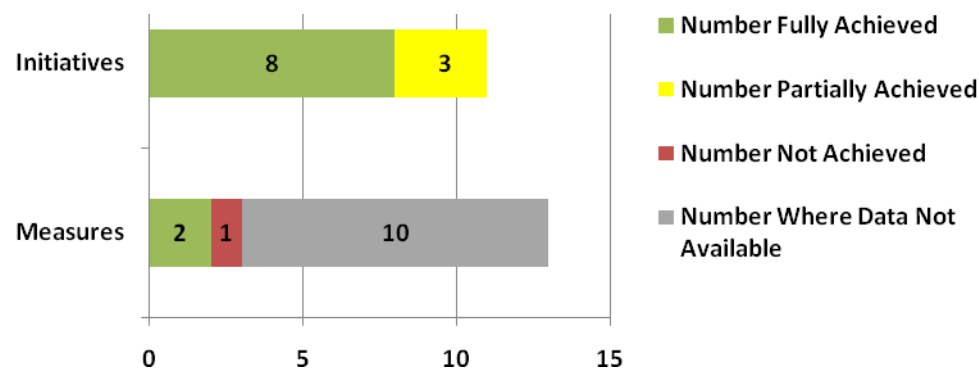
#### AGENCY OBJECTIVES

1. Establish a strong, cohesive environmental regulatory framework.
2. Educate District residents about environmentally friendly behaviors and practices through outreach, education, and awareness.
3. Encourage District-wide environmental and sustainability goals by utilizing DDOE expertise and resources
4. Enrich, restore, and protect the environmental quality of the District's natural resources
5. Enforce compliance with environmental regulations

#### ACCOMPLISHMENTS

- ✓ DDOE provided training and green-collar work experience to 300 District youth through the creation of the Mayor's Green Summer Jobs Corps.
- ✓ DDOE served 30,506 District residents through the Low-Income Home Energy Assistance Program (LIHEAP).
- ✓ DDOE effectively responded to several environmental emergencies in the past year, including the CSX derailment, Fort Reno closure, Washington Channel oil spill, and Jimmy's Tire fire.

#### OVERVIEW OF AGENCY PERFORMANCE





## Performance Initiatives – Assessment Details



### Performance Assessment Key:

-  Fully achieved     Partially achieved     Not achieved     Data not reported

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### OBJECTIVE 1: Establish a strong, cohesive environmental regulatory framework.



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-  **INITIATIVE 1.1: Low impact design.**  
**Fully Achieved.** DDOE successfully drafted revised stormwater and sedimentation regulations in FY08, and they should be formally promulgated through the DC Register in Fall, 2008. DDOE also hired an expert in Low-Impact Design (LID) technology to increase coordination between planning and permitting in DDOE's Watershed Protection Division; as well as provide technical support and training to District agencies, developers, businesses, and residents in using LID technology to reduce stormwater runoff and improve water quality in our streams and rivers.
-  **INITIATIVE 1.2: Water and air quality standards.**  
**Partially Achieved.** DDOE has initiated work on several air quality regulations in FY08, both new and updates to existing regulations, and expects to have some finalized in the next year. The Water Quality Division is currently in the process of conducting the next triennial revision of the water quality standards, which will be completed in 2009. Staff at DDOE have undergone extensive training in FY08, including the drafting of a training manual and using best practices from other jurisdictions to increase DDOE's enforcement capabilities.

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### OBJECTIVE 2: Educate District residents about environmentally friendly behaviors and practices through outreach, education, and awareness.

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-  **INITIATIVE 2.1: Outreach and education.**  
**Fully Achieved.** The green.dc website was launched by DDOE in 2008, which is a clearinghouse for environmental policies and programs in the District, and as it grows will be a valuable resource for District residents and visitors. DDOE pioneered the highly successful Mayor's Green Summer Job Corps program in 2008, where students performed environmental cleanups and public education while learning life skills at the University of the District of Columbia. DDOE also increased the size of their communications staff, and began conducting expanded, intensive media outreach on numerous topics such as energy assistance and vector control in 2008.
-  **INITIATIVE 2.2: Regulatory awareness.**  
**Fully Achieved.** New educational materials organized by audience (previously by DDOE program area) are being developed to explain the entire portfolio of environmental regulations to businesses and developers, and should be ready for public distribution in FY09. DDOE began conducting pre-development meeting informally in 2008, to keep developers and businesses updated. DDOE's Office of Enforcement and Environmental Justice hired 2 FTEs in FY08, which has allowed DDOE to design a program to both support compliance and enforce against violations.



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**OBJECTIVE 3: Encourage District-wide environmental and sustainability goals by utilizing DDOE expertise and resources.**

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**INITIATIVE 3.1: Capital Futures.**

**Partially Achieved.** The Capital Futures Plan will be shifted into a new sustainability agenda that is currently being developed in conjunction with the Mayor's CapStat program. In FY08, DDOE successfully greened six schoolyards, began identifying land in the District which might be suitable for habitat protection, launched a new website with a sustainability resource center ([green.dc.gov](http://green.dc.gov)), hired a program analyst to focus on business outreach and a green building specialist to focus on incorporating green building practices, standards and design into both public and private projects.

**INITIATIVE 3.2: High performance buildings.**

**Fully Achieved.** DDOE is working closely with DCRA, OPM, DHCD and other agencies to implement the Green Building Act. The agency actively engaged with DCRA and the Green Building Advisory Council to green the new 2008 Construction Codes. DDOE is also working closely with OPEFM to directly support greening of school projects and to support development of program-wide green building standards, an example of this collaboration is at Woodson High School which is targeted to be a LEED Platinum Building.

**INITIATIVE 3.3: Climate action plan.**

**Fully Achieved.** Through the Mayor's Green Team, DDOE formed an interagency Climate Working Group and is charting the development of a climate action plan by early 2009. DDOE is finalizing protocols to conduct a carbon baseline analysis of government and citywide operations and to lay the groundwork for the final climate action plan. DDOE has also participated in the MWCOG climate program to produce its Climate Change Report for the National Capital Region and is now a member of the national Climate Registry.

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**OBJECTIVE 4: Enrich, restore, and protect the environmental quality of the District's natural resources.**

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**INITIATIVE 4.1: Clean Anacostia River.**

**Fully Achieved.** In 2008, DDOE successfully launched a web-based water quality reporting system that allows the public to monitor dissolved oxygen, pH, water temperature, turbidity and chlorophyll. DDOE has worked on legislation to adjust the stormwater fee to raise additional revenue for the reduction of stormwater pollution, which is currently before Council. The DDOE Stormwater Division has revised and updated its Permit Compliance Matrix with tasks and commitments for District agencies to meet municipal separate storm sewer system obligations based on the November MS4 Letter Agreement with EPA Region III. DDOE also developed and launched a public outreach campaign called RiverSmart Homes, which offers incentives to homeowners interested in reducing stormwater pollution from their properties.

**INITIATIVE 4.2: Wetlands protection.**

**Fully Achieved.** DDOE's Water Quality Division brought on an Environmental Protection Specialist who will be responsible for the evaluation of wetlands, delineation of wetlands, and addressing impact to wetlands from development projects. DDOE remains committed to designing and applying a no-net-loss wetlands policy, which is still in the drafting stages.



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**OBJECTIVE 5: Enforce compliance with environmental regulations.**

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● **INITIATIVE 5.1: Lead exposure reduction.**

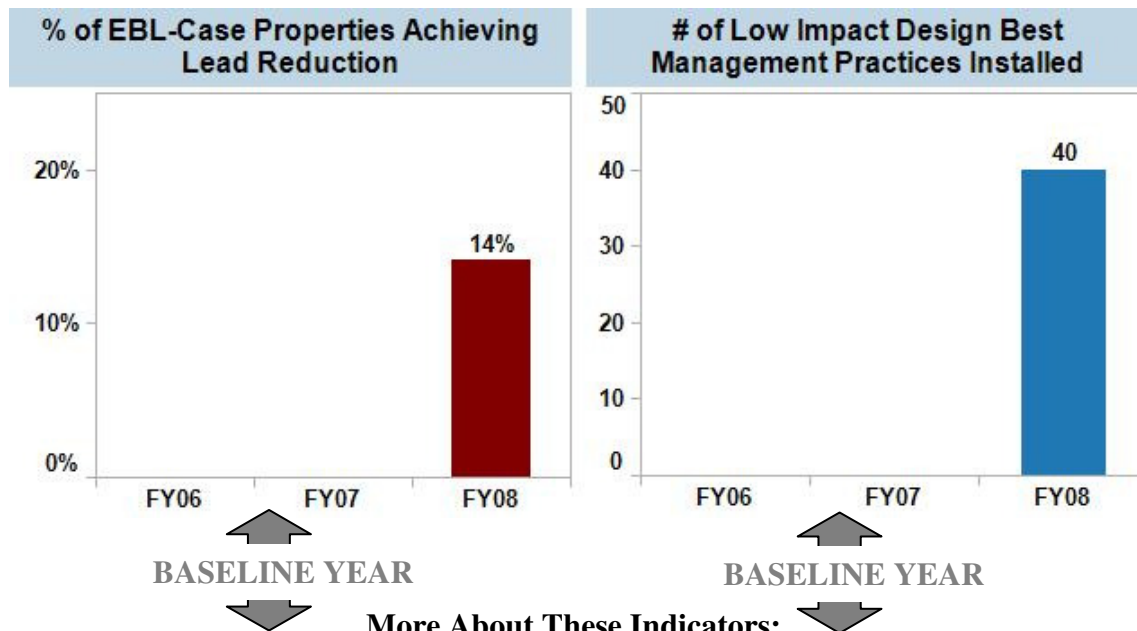
**Fully Achieved.** DDOE prepares a biweekly report that updates the progress that each District agency is making to resolve lead poisoning cases in the District. Steps have been initiated to ensure that the lead poisoning prevention, inspection and enforcement programs are consolidated at DDOE by Oct. 1, 2008. This consolidation should help streamline the process of addressing and preventing lead poisoning and improve the tracking of lead-affected properties and cases.

● **INITIATIVE 5.2: Brownfield planning and redevelopment.**

**Partially Achieved.** DDOE requested \$1.3M from U.S. EPA to support assessment of up to 70 potential brownfield sites over two years, however because EPA provided only 600K in federal funds, DDOE anticipates it will only be able to assess approximately 40 sites. DDOE has hired a new manager for this program, and is coordinating with the Office of the Deputy Mayor for Planning and Economic Development (DMPED) to finalize the initial list of sites for assessment. Final selection of sites will be based on criteria such as size, location, nature and extent of contamination, and potential for remediation and redevelopment.



## Key Performance Indicators – Highlights



### More About These Indicators:

#### *How did the agency's actions affect this indicator?*

- DDOE consolidated elements of the District's lead response from disparate agencies into DDOE during FY08.
- DDOE strengthened its cooperation with other District agencies in order to ensure that properties where a child was lead poisoned eliminated any lead hazards.

#### *What external factors influenced this indicator?*

- A property owner's completion of the abatement process is often contingent on the availability of certified contractors to perform the necessary work. Therefore, this indicator remained relatively low.
- In order to counter this external factor, DDOE is seeking ways to expand lead professional capacity in the District.

#### *How did the agency's actions affect this indicator?*

- DDOE is moving to revise stormwater regulations that will require LID as the first option for on site stormwater management.
- Within DDOE, increased training for permit reviewers and the hiring of a LID specialist engineer helped to promote greater application of low impact design technologies.
- DDOE expanded incentive programs for low impact design installation via its Watershed Protection Division.

#### *What external factors influenced this indicator?*

- In 2008, DDOE was subject to the terms of a new MS4 permit issued by US EPA. The permit emphasized a number of innovative stormwater reduction strategies; the District was directed to install LID Best Management Practices in the public right-of way.
- The first phase of the Green Building Act of 2006 requirements took effect in FY08. Low impact design installations are one of many available means for developers and property managers to gain the LEED points required to achieve building certification.



## Key Performance Indicators – Details

### Performance Assessment Key:

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

	FY06 Actual	FY07 Actual	FY08 Target	FY08 Actual	FY09 Projection
<b>OBJECTIVE 1: Establish a strong, cohesive environmental regulatory framework</b>					
<span style="color: green;">●</span> % of stormwater plans approved that contain low impact designs . . . . .	25%	25%	50%	73%	50%
<span style="color: gray;">●</span> # of low impact design best management practices installed. . . . .	N/A	N/A	N/A	40	TBD
<b>OBJECTIVE 2: Educate District residents about environmentally friendly behaviors and practices through outreach, education, and awareness.</b>					
<span style="color: gray;">●</span> % of applicable development projects conducting pre-plan meetings with DDOE. . . . .	N/A	N/A	N/A	61	TBD
<span style="color: green;">●</span> % of District residents reached by DDOE environmental education and outreach efforts. . . . .	N/A	N/A	25%	37%	25%
<b>OBJECTIVE 3: Encourage District-wide environmental and sustainability goals by utilizing DDOE expertise and resources.</b>					
<span style="color: gray;">●</span> % reduction of kilowatt hours from the prior year in targeted District government buildings . . . . .	N/A	N/A	7%	TBD	25%
<span style="color: gray;">●</span> % of commercial building operators trained by DDOE in energy efficient practices. . . . .	N/A	N/A	N/A	TBD	TBD
<span style="color: gray;">●</span> % of commercial buildings participating in energy star benchmarking programs. . . . .	N/A	N/A	N/A	TBD	TBD
<b>OBJECTIVE 4: Enrich, restore, and protect the environmental quality of the District's natural resources.</b>					
<span style="color: red;">●</span> # new stormwater best management practices installed annually that protect the Anacostia River . . .	N/A	65	75	48	75
<span style="color: gray;">●</span> # of pounds of nitrogen and phosphorous prevented from entering the Potomac and Anacostia River by stormwater best management practices . . . . .	1745	1345	2400	764	2400
<span style="color: gray;">●</span> # of tons of sediment prevented from entering the Potomac and Anacostia River annually by stormwater best management practices. . . . .	135	105	185	53	185
<span style="color: gray;">●</span> % increase in suitable fish and wildlife habitat acreage. . . . .	N/A	N/A	30%	TBD	30%
<b>OBJECTIVE 5: Enforce compliance with environmental regulations.</b>					
<span style="color: gray;">●</span> % of EBL-case properties achieving lead reduction. . .	N/A	N/A	N/A	14%	TBD
<span style="color: gray;">●</span> # of leaking underground storage tank site clean-ups initiated. . . . .	N/A	24	50	17	50