

GOVERNMENT OF THE DISTRICT OF COLUMBIA

District Department of the Environment



May 15, 2012

The Honorable Kwame Brown  
Chairman  
Council of the District of Columbia  
1350 Pennsylvania Avenue NW, Suite 504  
Washington, DC 20004

**RE: Clean and Affordable Energy Act of 2008, D.C. Law 17-250**

Dear Chairman Brown:

Pursuant to sections 210(e) and 211(e) of the Clean and Affordable Energy Act of 2008, D.C. Law 17-250, effective October 2008, I am pleased to submit the District Department of the Environment's (DDOE) second Quarterly Report for the quarter January 1, 2012 – March 31, 2012. This report describes the performance of Energy Assistance Trust Fund and Sustainable Energy Trust Fund programs and expenditures during the quarter ending March 31, 2012. This document reflects DDOE's continuing commitment to making the District more energy efficient and improving the quality of the environment.

Please feel free to contact me or Dr. Taresa Lawrence at 202-671-3313 if you have any questions regarding this report.

Sincerely,

A handwritten signature in green ink, appearing to read 'Christophe A. G. Tulou', is written over the word 'Sincerely,'.

Christophe A. G. Tulou, Director  
District Department of the Environment

Attachments

cc: Councilmember Mary Cheh, Chairperson, Committee on the Environment, Public Works, and Transportation  
DC Councilmembers  
Nyasha Smith, Secretary of the Council



**District Department of the Environment**  
**Clean and Affordable Energy Act Quarterly Report**  
*January 1, 2012 – March 31, 2012*

## Table of Contents

<b>INTRODUCTION.....</b>	<b>1</b>
<b>BACKGROUND .....</b>	<b>1</b>
<b>CAEA BUDGET AND EXPENDITURES .....</b>	<b>3</b>
<b><u>SUSTAINABLE ENERGY TRUST FUND.....</u></b>	<b>4</b>
Renewable Energy Incentive Program.....	4
<b><u>ENERGY ASSISTANCE TRUST FUND.....</u></b>	<b>7</b>
LIHEAP Extension and Energy Education.....	7
Residential Essential Service Expansion and Awareness Program .....	9

## **Attachments**

Attachment 1 - Revenue Collection

Attachment 2 - All Financial Activity

Attachment 3 - Administrative Budget and Expenditures

Attachment 4 - Monthly Actual Expenditures by Program

## **INTRODUCTION**

The District Department of the Environment's ("DDOE") Clean and Affordable Energy Act ("CAEA") Quarterly Report to the Council of the District of Columbia ("Council") covers the period from January 1, 2012 – March 31, 2012. This report: 1) describes significant program status; 2) provides timelines and milestones to track the progress and success of each program; 3) offers highlights of ward specific data; and 4) presents the status of administrative and programmatic expenditures.

## **BACKGROUND**

The Retail Electric Competition and Consumer Protection Act of 1999 created the Reliable Energy Trust Fund ("RETF"), the purpose of which was to fund programs promoting energy efficiency and the use of electricity from renewable sources. In Commission Order No. 13475, Formal Case No. 945, the Public Service Commission of the District of Columbia ("Commission") designated DDOE (previously the DC Energy Office), as the authority to administer all the programs approved for funding from the RETF. Subsequently, the Commission authorized DDOE to implement 16 programs.

Additionally, in 2005 the Council passed the Omnibus Utility Emergency Amendment Act of 2005, which established the Natural Gas Trust Fund ("NGTF") to promote energy efficient gas programs and to provide assistance to low-income gas customers in the District. DDOE was designated as the administrator of all the programs.

This quarterly report is required by the "Clean and Affordable Energy Act of 2008," D.C. Law 17-250, effective October 22, 2008, which replaced the RETF and NGTF programs with the Sustainable Energy Trust Fund ("SETF") and the Energy Assistance Trust Fund ("EATF")

programs, funded by two new utility assessments. The following three programs are currently being administered by DDOE:

**Sustainable Energy Trust Fund**

**1. R1, Renewable Energy Incentive Program**

*Provides financial incentives for and increases the awareness and the use of renewable energy generation technologies by District of Columbia residents, businesses, and institutions.*

**Energy Assistance Trust Fund**

**2. D1, LIHEAP Expansion and Energy Education**

*Provides additional funding for electric customers to be used in concert with the Federal Low Income Home Energy Assistance Program.*

**3. G1, Residential Essential Service Expansion and Awareness Program**

*Provides low-income gas customers greater affordability toward their total gas bills and aims to increase the participation rate by at least 30%.*

DDOE has contracted with Vermont Energy Investment Corporation, the prime contractor of the Sustainable Energy Partnership (a team of local partners), to provide programs and initiatives as the District of Columbia Sustainable Energy Utility (“DC SEU”). The DC SEU conducts programs in the District to reduce per-capita energy consumption, increase the number of green collar jobs in the District, stimulate the local economy through contract spending with District businesses, increase renewable energy generating capacity, reduce the growth of peak electricity demand, improve the energy efficiency of low-income housing, and reduce the growth of energy demand of the District’s largest energy users. The DC SEU is funded by the SETF.

DDOE is appropriated an amount equivalent to ten percent of the DC SEU contract value for administering the contract, and the financial attachments at the end of this report reflect this activity. The DC SEU submits quarterly reports to DDOE, and DDOE files these reports with the Council on behalf of the DC SEU. Both reports can be found on DDOE’s web site.

## **CAEA BUDGET AND EXPENDITURES**

This report includes the following financial attachments:

- Attachment 1: Revenue Collections
- Attachment 2: Financial Activity as of the end of the quarter
- Attachment 3: Administrative Budget and Expenditures
- Attachment 4: Monthly Expenditures by Program

## Sustainable Energy Assistance Trust Fund

<b>Program Name:</b>	Renewable Energy Incentive Program
<b>Program Number:</b>	R1
<b>Reporting Period:</b>	January – March 2012

### Project Description

The District of Columbia Renewable Energy Incentive Program (REIP) has been developed to increase the use and awareness of renewable energy generation technologies by District of Columbia residents, businesses, and institutions.

### Program Status

- Program is falling short of expectations
- Program is on Target
- Program is exceeding expectations

The program supported 40 projects and added 184 kilowatts of solar power capacity to the District. The program received 76 new requests, prequalified 262 applicants from the waitlist pool, and conducted 53 site visits.

### Breakdown by property type (of 40 projects funded)

Residential: 40                      Non-Profit:0                      Commercial: 0                      Educational: 0

**Table 1: Renewable Energy Incentive Program Projects Funded by Ward**

	Ward 1	Ward 2	Ward 3	Ward 4	Ward 5	Ward 6	Ward 7	Ward 8	Total
<b>Current Quarter</b>	16	1	8	6	0	9	0	0	<b>40</b>
<b>Cumulative Total</b>	18	1	10	6	0	9	0	0	<b>44</b>

**Table 2: Renewable Energy Incentive Program Deliverables**

<b>Program Deliverables</b>	<b>Quarter Achievement</b>	<b>Cumulative Achievement</b>	<b>Program Goal</b>
Number of Rebates	40	44	-
Rebate Amounts Awarded & Obligated	\$ 428,548	\$ 447,405	<b>\$2,000,000</b>
Residential Installations	40	44	
Non-profit, business and institutional Installations, commercial, educational	0	0	
Capacity of Projects Rebated (kW)	183.7	197.16	-
Kilowatt hours/year capacity awarded (kWh)	225,916	242,466	
Energy Value (\$/year @ 13¢ a kWh)	\$29,369.08	\$31,520.58	
Projected Lifetime Energy (\$/yr @ 13 ¢ a kWh for 25years)	\$734,225	\$788,012.50	
Emissions Offset (Avoided)*			
Carbon dioxide (pounds)	378,861.12	406,615.48	
Nitrogen oxides (pounds)	1467.13	1,505.91	
Sulfur dioxide (pounds)	529.32	636.81	

\*\*Emissions coefficients are based on the US Average as stated in table 2.4 of Leonardo Academy Inc. white paper: "Emission Factors and Energy Prices for Leonardo Academy's Cleaner and Greener® Program" April 2009. <http://www.cleainerandgreener.org/download/2009-4-21%20C&G%20Program%20Emission%20Factors%20and%20Energy%20Prices.pdf>

**Table 3: Renewable Energy Incentive Program Quarter 2 Timeline and Milestones**

<b>Milestone</b>	<b>Goal Date</b>	<b>Actual Date Accomplished</b>
<b>Quarter 2 January – March 2012</b>		
Distribute Approved Rebates	March 2012	March 2012
Introduce Solar Thermal Incentives	February 2012	Incomplete
Complete Site Visits	March 2012	March 2012

### Next Quarter's Projected Goals

In the upcoming quarter, REIP will continue to accept and qualify new applicants for the current fiscal year. In addition, program staff will visit more system rebate recipients to close out the program's site visit requirements. Finally, REIP will begin to accept applications for solar thermal projects.

**Table 4: Renewable Energy Incentive Program Quarter 3 Timeline and Milestone**

<b>Milestone</b>	<b>Goal Date</b>	<b>Actual Date Accomplished</b>
<b>Quarter 3 April – June 2012</b>		
Distribute Approved Rebates	June 2012	
Complete Site Visits	June 2012	

### Issues and remedial plan

None

## Energy Assistance Trust Fund

<b>Program Name:</b>	LIHEAP Expansion and Energy Education
<b>Program Number:</b>	D1
<b>Reporting Period:</b>	January – March 2012

### Program Description

The Low-Income Home Energy Assistance Program (“LIHEAP”) Expansion and Energy Education Program provides additional funding for electric customers to be used in concert with federal LIHEAP funding. Households that would otherwise not be served as a result of limited LIHEAP funding are granted benefits through this program.

### Program Status

- Program is falling short of expectations
- Program is on Target
- Program is exceeding expectations

### Program Accomplishments

The LIHEAP Expansion and Energy Education Program enrolled 6,305 eligible District residents this quarter. DDOE continues to hold educational workshops for customers that enroll in the LIHEAP Program. The customers learn how to make their homes more energy efficient. The workshops also educate customers on how to weatherize their homes and provide tips on decreasing their heating and cooling costs.

**Table 5: LIHEAP Expansion Deliverables**

<b>Program Deliverable</b>	<b>Quarter Achievement</b>	<b>Cumulative Achievement</b>	
Enroll Additional Participants	6,305	13,420	

**Table 6: LIHEAP Expansion Quarter 2 Timeline and Milestones**

<b>Milestone</b>	<b>Goal Date</b>	<b>Actual Date</b>
<b>Quarter 2 January - March</b>		
Serve Additional eligible District Households (electric)	March 2012	March 2012
Continue educational workshops	March 2012	March 2012

**Next Quarter's Projected Goals**

**Table 7: LIHEAP Expansion Quarter 3 Timeline and Milestones**

<b>Milestone</b>	<b>Goal Date</b>	<b>Actual Date</b>
<b>Quarter 3 April - June</b>		
Serve additional eligible District households (electric)	June 2012	
Continue educational workshops	June 2012	

**Issues and Remedial Plan**

None

<b>Program Name:</b>	Residential Essential Service Expansion and Awareness Program
<b>Program Number:</b>	G1
<b>Reporting Period:</b>	January – March 2012

### Project Description

The Residential Essential Service (“RES”) Expansion and Awareness Program aims to provide eligible gas customers greater affordability toward their total gas bills and to increase the participation rate by at least 30%. The RES Expansion program follows the same enrollment schedule as the RES program which extends its services until April 30, 2012.

### Program Status

- Program is falling short of expectations
- Program is on Target
- Program is exceeding expectations

### Program Accomplishments

During the second quarter, 3,192 participants applied for the program and 2,003 were new participants.

**Table 8: RES Expansion Deliverables**

Program Deliverable	Quarter Achievement	Cumulative Achievement	Program Goal
Additional Participants	2,003	3,616	N/A

**Table 9: RES Expansion Participants by Ward**

	Ward 1	Ward 2	Ward 3	Ward 4	Ward 5	Ward 6	Ward 7	Ward 8	Total
<b>Current Quarter</b>	123	38	9	263	448	177	429	516	<b>2,003</b>
<b>Cumulative Total</b>	189	73	13	418	785	324	793	1,021	<b>3,616</b>

**Table 10: RES Expansion Quarter 2 Timeline and Milestones**

<b>Milestone</b>	<b>Goal Date</b>	<b>Actual Date</b>
<b>Quarter 2 January - March</b>		
Increase program participation rate by 30% among eligible customers	March 2012	March 2012

**Next Quarter's Projected Goals**

**Table 11: RES Expansion Quarter 3**

<b>Milestone</b>	<b>Goal Date</b>	<b>Actual Date</b>
<b>Quarter 3 April - June</b>		
Increase program participation rate by 30% among eligible customers	June 2012	

**Issues and Remedial Plan**

None